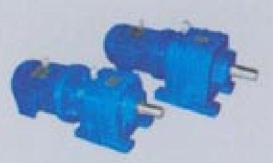
PRODUCTE LINE

TR

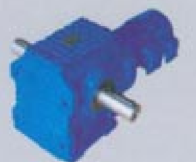


Helical Gear Motor

TK

Helical-Bevel Gear Units And Gear Motors

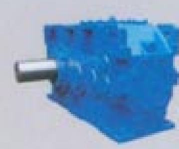
TS



Helical-worm Gear Units And Geared Motors

TSG

TSG



Gear Box

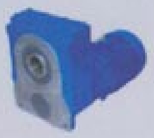
TB

Bevel Gear Boxes

TBX

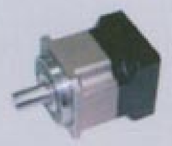
Cycloidal-Bevel Gear Motor

TBX



Cycloidal-Helical Gear Motor

TLG



Low Backlash Gear Reducer

TP

Planetary Reducers

TG

Gear Motor

TZS

Centrifugal Reducers

TL

Cycloid Speed Reducers With Torque Limiter

T600

Cycloid Speed Reducers

TAU

Electric Capstan

D

Variable Speed Drive

Suzhou Plant

Taiwan Plant

TRANSTEC HEAVY INDUSTRY(SUZHOU)CO.,LTD.

NO.81 JINSHENG ROAD, SHENGPU TOWN

SUZHOU INDUSTRIAL PARK, CHINA

TEL:0086-512-62823398 62823395 62826739

62829929 62821756

FAX:0086-512-62828178

E-mail:transcyko_cn@yahoo.com.cn

http://www.transcyko.com.cn

TRANSMISSION MACHINERY CO.,LTD.(TAIWAN)

NO.1-6,SHYHHORNG NEWVILLAGE,

HSIAO HSIN LI SHAN HUA CHENG,

TAINAN HSIEN,TAIWAN741.

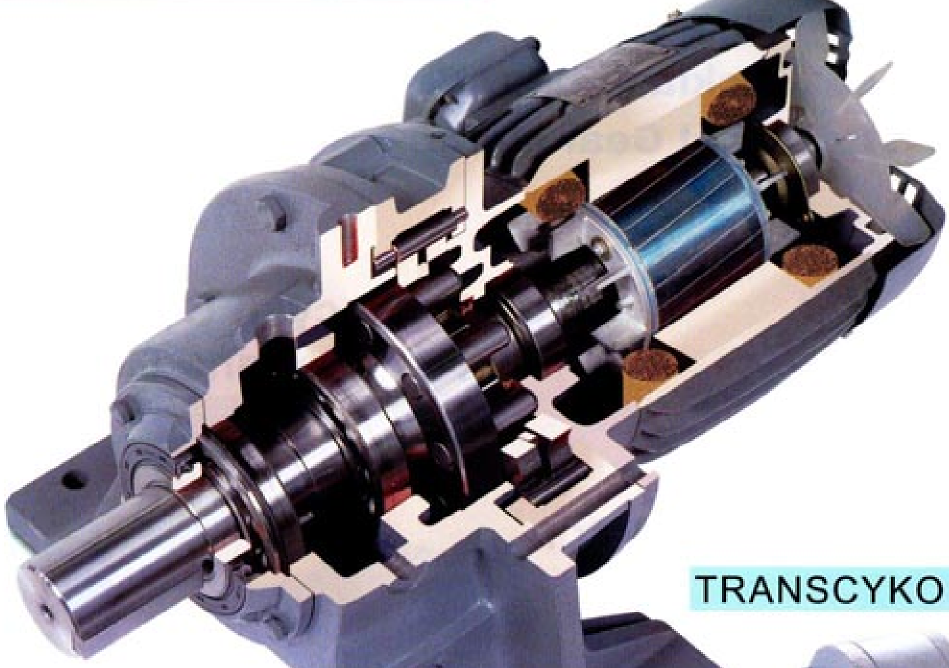
TEL:886-6-5831177

FAX:886-6-5831193

E-mail:transtec@ms5.hinet.net

http://www.transcyko.com

Transcyko cycloidal Speed neducers (productions) series



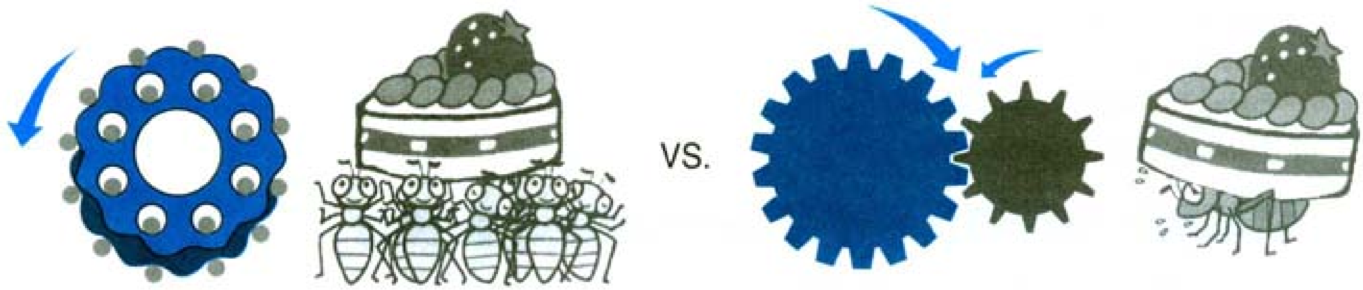
TRANSCYKO Speed Reducer

TRANSCYKO Gearmotor

TABLE OF CONTENTS

ADVANTAGES AND FEATURES

By replacing more conventional helical , worm and spur gear units throughout the world, TRANSCYKO 600 series High-Efficiency Speed Reducers has proven itself in a wide variety of applications.



ADVANTAGES

High Efficiency

The superior cycloidal design over conventional gear tooth design, with all torque transmitting parts operate in compression, allows for many teeth to share the load. Cycloidal teeth transmit torque by rolling from one element to another. There is no sliding friction as in conventional gear reducers. This design eliminates sliding friction and creates a vibration-free operation. High efficiencies are reached in excess of 90% in single stage reduction units and 80% plus in double stage reduction units. TRANSCYKO Speed Reducers can make your individual applications more productive and efficient.

Overload Protection

The TRANSCYKO cycloidal tooth design maximizes 67% tooth contact. The loadsharing capabilities eliminates gear teeth being sheared off and provides an overload protection of 500%.

Warranty

Exceptionally versatile engineering and manufacturing capabilities enable us to offer TRANSCYKO Speed Reducers for vitually any industrial application. Every TRANSCYKO Speed Reducer receives our standard 24 month warranty. Proper selection and correct maintenance will provide the end - user with unequaled service life for many years.

FEATURES

A Wide Range of Models for Every Need

TRANSCYKO provides a wide range of Speed Reducers in combinations of sizes, ratios, input horsepowers, mountings and configurations. High reduction ratios 6:1 through 119:1 per single stage, through 7569:1 double and almost up to 1,000,000:1 triple reductions. Input horsepower from 1/16 to over 200 H.P., Output torque exceeds 6,000kg-m (500,000 in-lbs).

A wide variety of horizontal and vertical mounts with various IEC/NEMA input adaptors for maximum installation ease.* TRANSCYKO housings are manufactured from ductile iron for ultimate durability. The power transmitting internals are manufactured from bearing steel 52100 series, through hardened and tempered to Rockwell Rc. 59 - 62.

These manufacturing features have produced a very compact reducer compared to conventional helical reducers for similar applications. Since we can now provide a smaller compact reducer, with high efficiency, this allows us to use a smaller size motor to provide the same output torque rating as previously required. We have this compact motor designed for integral coupling with our TRANSCYKO Speed Reducer.

Quiet and Smooth Running

Compared with conventional gear tooth reducers, the cycloidal design uses hardened and polished rolling elements to provide a very quiet and smooth running reducer with minimum vibration levels.

Ideal for Stop/Start and Reversing Operation

TRANSCYKO Speed Reducers are manufactured to very high tolerance levels, when combined with our low inertia levels, are well suited for all dynamic situations.

Economical

Our reducers are competitively priced compared to conventional gear reducers, they have lower operating costs because of longer life cycles and minimum maintenance.

Quality

We are committed to delivering high quality TRANSCYKO Speed Reducer to the marketplace. We have demonstrated this commitment through process improvement and ISO registration. We offer additional value through our extensive machining and engineering capabilities, in conjunction with our proven on-time delivery and short lead-time.

*Sizes: 607 to 619 are Cast Iron (Ductile Iron is available on request)
Sizes: 620 to 627 are Ductile Iron

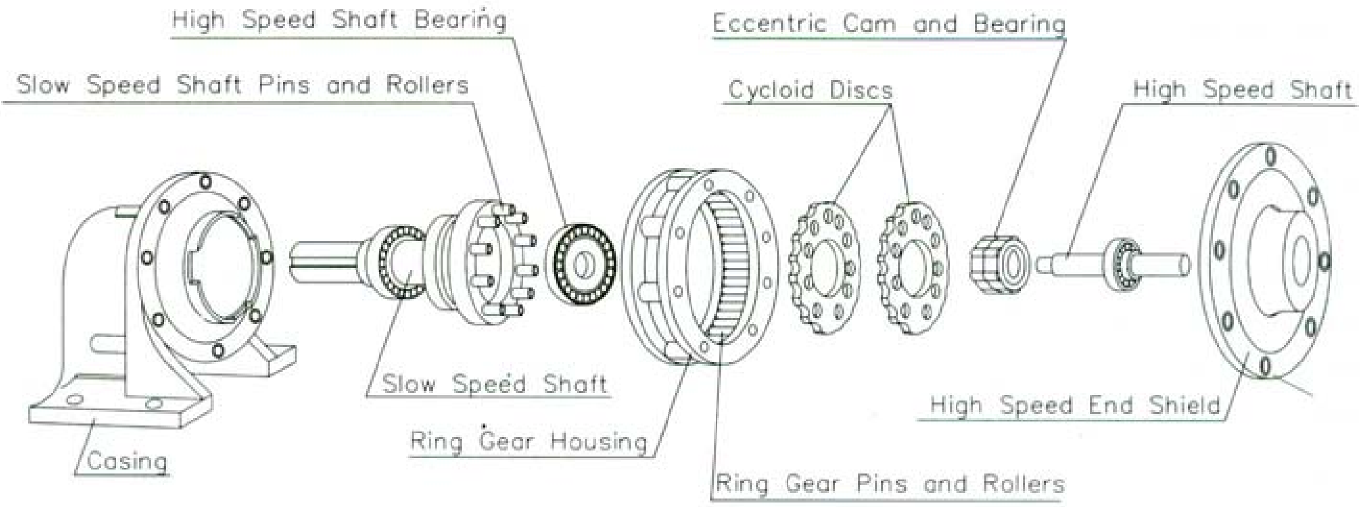
PRINCIPLE OF OPERATION

The cycloidal design basically has three major components.

(1) Input shaft assembly (high speed) with eccentric cam, roller bearing and seals.

(2) Cycloid discs.

(3) Output shaft assembly (slow speed) with support bearings and seals.



Torque transmitted to the high speed shaft rotates the eccentric cam and roller bearing assembly, and rolls the cycloid discs around the internal circumference of the stationary ring gear housing.

The teeth of the cycloid discs contact the pins of the stationary ring gear, producing a reverse rotation at a reduced speed. Each rotation of the high speed shaft advances the cycloid discs a distance of one tooth pitch in the opposite direction.

The reduced rotation of the cycloid discs is transmitted to the output shaft assembly by means of drive pins and rollers, that are projected through holes located around the bore of the cycloid discs.

DESIGN CRITERIA

TRANSCYKO Speed Reducers are designed and manufactured for trouble free operation, based upon uniform loading conditions. Ten(10) hour daily service is equivalent to AGMA service factor of 1.0. If the application requires longer daily service, the selection rating (service factor) must be applied to the loading conditions for proper drive selection.

Recommended TRANSCYKO Load Factors

Load conditions / Hours of daily operation	U Uniform Loading		M Moderate Shock Loading		H Heavy Shock Loading	
	TRANSCYKO	AGMA1	TRANSCYKO	AGMA2	TRANSCYKO	AGMA3
Continuous Running ~ 3 hours	0.80	0.80	1.00	1.00	1.35	1.50
Continuous Running ~ 10 hours	1.00	1.00	1.20	1.25	1.50	1.75
Continuous Running ~ 24 hours	1.20	1.25	1.35	1.50	1.60	2.00

Machine Load Classifications:

Agitators

U Pure liquid
M Liquids+solids
M Variable-viscosity liquids

Brewing & distilling equip.

U Capping machine
U Can machine
M Weighing machine
M Pulling machine
U Cooker

Pottery machines

M Mixer
H Brick press
M Grinding machine

Conveyors (average)

U Segmented
M Accumulator-type
U Belt
U Bucket
U *Oven-type
U Screw-type

Conveyors (heavy duty)

M Segmented
M Belt
M Suspension bucket
M Screw-type
M Hopper-type
H *Reciprocating
H Rocker-type

Winches

M Suspension-bucket
M Horizontal
M Vertical
H Main hoist (heavy duty)
M Main hoist (medium duty)

Crushers

H Diamond
H Stone
M Raw sugar

Dredges

M Cable drum
M Conveyor
H Cutting head
H Mold-board drive
M Winch
M Pump
M *Stacker
H Seine drive

Elevator

U Suspension hopper (avg. load)
M Suspension hopper (heavy duty)
M Suspension hopper (continuous)
U Escalator
M Cargo
M Utility

Feed supply systems

M Segmented belts
U *Round segment types
H *Reciprocating
M Screw-type

Food processing

M Raw sugar & turnip cutters
U *Ovens
M Meat slicers
M Noodle mixer

Axies

M Drive train
U Lightly loaded
U Other axles

Timber equipment

H *Reservoir pumps
H Chain & *drogue saws
H Chain transmission
H Brake drum
H Gear boxes
H Segmented conveyors
U Sawdust conveyor(belt)
M Sawdust conveyor(chain)
M *Sorting conveyor
M Utility conveyor

Sheet metal equipment

M Forming rolls
H Punch press(drive gear)
H Flat planer
H Drill
M Other main drives
U Auxiliary drives

Machine shop equipment

M *Table feeds
H Shapers
Non-reversible conveyors
M *Collective drives
H Individual drives
H Screw machines

Solid-material mixers

M Cement drums
M Dryers, coolers
M *Kilns
M Gravel
M *Barrel packers
H *Pellet-abrasion machines

Liquid mixers

M Concrete (continuous duty)
M Concrete (*intermittent)
U Fixed viscosity
M Variable viscosity

Petroleum equipment

M Stack coolers
Well-head pumps
M *Pressurized lubricant drives
M *Reversing kiln

Sugar Industry

H Mills
M Crushers
M Cane Knives

Rubber processing equip

M Rubber strainer
M Roll
M *Thin plate
M Mixer

Paper-making equipment

M Agitator
M *paper-maker
M De-barker
M Beater
M Impact-type beater
U Bleacher
M Pressurized strainer
H Large strainer
U Conveyor
M Dryer
M *Felt extender
H *Felt press
M Finishing press

Textile (fiber) equipment

M Carding machine
M Strainer
M Dryer
M Dyer
M Washing machine
M Spinning machine
M *Lapping machine

Water treatment equip.

U Sludge recovery machine
M Sludge compactor
M Low & high speed mixers
U Chemical-supply devices

Steel Industry

H Forming machine
C Reversing pinch, dryer & scrubber roll
M Slitters
M Draw bench carriage & main drive
C Reversing table conveyor
M Group drive of non-reversing table conveyor
H Individual drive of non-reversing table conveyor
M Wire winding ,wire drawing & flattening machines

C - Contact us
*** - Refer to factory**

GENERAL INFORMATION

Shaft Rotation

For single and triple reduction units, the low speed shaft turns in the opposite direction to the high speed shaft. For double reduction drives, the low speed and high speed shafts turn in the same direction.

Note: On all TRANSCYKO Speed Reducers, the high speed and low speed shafts have the same common axis.

Motor Input Speed (nominal)

1800 R.P.M., 1500 R.P.M., 1200 R.P.M., 1000 R.P.M., 900 R.P.M., 750R.P.M., 600 R.P.M.

Note: For non-standard input speed, please contact your factory representative to confirm torque ratings.

Shaft Connections

Proper mounting of sheaves, gears, pulleys, chain sprockets, belt and couplings is essential for trouble free operation. All shaft connections must be mounted as close as possible to the cycloidal housing, but never touching. Overhung loads should be located as close to the bearing as possible. If shaft connections are mounted at the end of the shaft, the overhung load may cause excessive loading on the bearings and possible shaft deflection. Radial loads have been designed at the midpoint of the slow speed shaft. If this is not possible, please contact your factory representative to confirm proper selection. Proper alignment procedures for all shaft connections are imperative for trouble free operation.

Permissible torsional forces such as, thrust and radial loads applied to the low speed shaft must be calculated to confirm their allowable limits for each selection.

LUBRICATION AND MAINTENANCE

Mounting

Horizontal and vertical oil lubricated drives should be mounted in a level and plumb plane to ensure proper lubrication.

Grease and oil lubrication systems are adopted subject to the size and ratio of TRANSCYKO Speed Reducer. Please refer to the tables shown below.

Standard Lubrication Type

One stage reduction	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627
Horizontal Type	Grease(Maintenance - Free)						Oil - Bath														
Vertical Type	Grease(Maintenance - Free)						Oil - Bath			Forced - Oil Lubrication(P)											(TP)

Double-reduction		607/07 608/07 609/08	610/08 611/08 611/09	613/08 613/09 613/10	614/08 614/09 614/10	616/09 616/10	617/08 617/10	618/10	616/11	617/11	618/13	619/11 619/13	620/11 620/13	621/13 621/16	622/13 622/17	623/16 623/18	624/16 624/18	625/17 625/19	626/19	627/19
Horizontal Type		Grease (M.F.)		Grease (Replenish)					Oil - Bath											
Vertical Type	Ratio	Grease (M.F.)		Grease (Replenish)					- 473	- 841	- 1015	- 2065	- 2537							Forced - Oil Labriation (TP)
									Forced - Oil Lubrication(p)											
	Ratio								559 -	1003 -	1247 -	2537 -	3045 -							
									Grease (Replenish)											

Grease Lubricated Reducers

Are factory packed and ready for operation. Maintenance - Free grease lubricated units are filled with specially designated long-life grease assure maintenance free operation, replenishment is unnecessary, but replacement in every 20,000 hours of operation or every 4 - 5 years intervals is recommended for longer service life.

For those grease lubricated units other than Maintenance - Free types, please replenish or replace according to the service manual. The mixture of the two types of grease is permissible.

Recommended Grease Lubricants for TRANSCYKO Speed Reducers

Ambient Temperature °C (°F)	Maintenance - Free Grease	Replenish Grease	Electric Motor
-15°C (5°F) | 50°C (122°F)	Shell Alvania Grease RA or equivalent	Shell Alvania Grease No.2, Cosmo Grease Dynamax SH No. 2 or equivalent	Shell Alvania Grease No. 2 or equivalent

Oil Lubricated Reducers

Are factory filled to the correct level. Please be sure to double check the oil level of the red line of the oil gauge before operating. Mild EP Oil is recommended for the lubrication of TRANSCYKO Speed Reducers.

Recommended Oil Brand and Specifications (or equivalent)

Ambient Temperature ℃ (° F)	Shell Oil	Mobil Oil	BP Oil	Esso Oil	Gulf Oil	Caltex Oil	SAE Grade	AGMA Grade
-15~5 (5~41)	Omala Oil 86	Mobilgear 626 (ISO VG 68)	Energol GR-xp 46 GR-xp 68	Spartan EP 68	EP Lubricant HD 68	Meropa 68	80W	2EP
0~35 (32~95)	Omala Oil 100, 150	Mobil gear 627 629 (ISO VG 100~150)	Energol GR-xp 100 GR-xp 150	Spartan EP 100 EP 150	EP Lubricant HD 100 HD 150	Meropa 100, 150	80W 90	3EP 4EP
30~50 (86~122)	Omala Oil 220, 320, 460	Mobil gear 630 632, 633,634 (ISO VG 200~460)	Energol GR-xp 220 GR-xp 320 GR-xp 460	Spartan EP 220 EP 320 EP 460	EP Lubricant HD 220 HD 320 HD 460	Meropa 220, 320 460	90 140	5EP 7EP

*use lower viscosity oil for winter or relatively low ambient temperature.

There are two types of Forced - Oil Lubrication for vertical units:

1. Plunger Pump Lubrication (P) is drived by a cam fitted on the slow speed shaft automatically.
2. Trochoid Pump Lubrication(TP): The Oil circulation is conducted by an independent operation of pump and motor. This table shows the application of Trochoid Pump Lubrication.

TRANSCYKO Speed Reducers		Trochoid Pump	
Frame Size		Pump Type	Pump Motor
Single Stage	627	TOP - 216HA	0.75kw(1HP), 4p
Double Stage	627/19	TOP - 204HA	0.4kw(1/2HP), 4p

Oil Change Interval

Under all conditions, every TRANSCYKO unit needs an initial oil change after 500 hours of primary operation. The subsequent oil change interval will depend on the operational conditions.

every 6 months	less than 10 hours / day operation
every 2500 hours	10~24 hours / day operation
every 1~3 months	heavy operation condition such as high ambient temperature & high humidifies.

For specific details of lubrication and maintenance, please refer to the Operating and Maintenance Manual.

TRANSCYKO SPEED REDUCER MODEL DESIGNATION NO:600 SERIES

T H M 05 — 610 — 29 — — B —

Output Direction

	Any Output Shaft Position *(see note)
H	Horizontal output shaft level
D	Output Shaft Vertical Down
U	Output Shaft Vertical Up

Input Connection

	TRANSCYKO Reducer With Free Shaft
M	TRANSCYKO Reducer With Intergral Motor
C	With IEC Flange C-Face Adaptor
X	With IEC/NEMA Hollow Input Shaft Adaptor
T	Top Mount
S	Shovel Base

Frame size

Ratio

Special Specification

TL	Torque Limiter
B	High Capacity Bearing
BD	High Capacity Bearing Ductile Casing
DM	DC Motor
AF	AF Motor
SP	Single Phase Motor
SM	Servo Motor

Brake

	No Brake
B	With Brake

Mounting

H	Foot Mount Casing
V	V-Flange Base Mount Casing

Shaft Specification

	Metric Size
I	Inch Size
A1	AGMA1
A2	AGMA2
A3	AGMA3

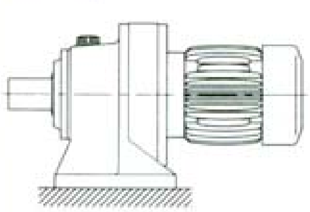
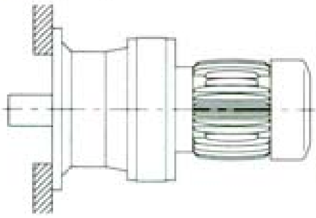
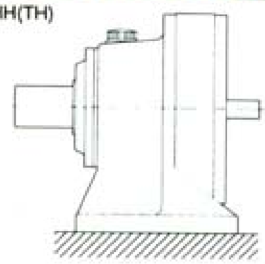
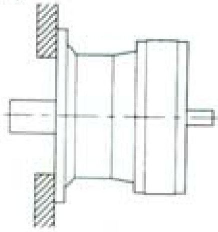
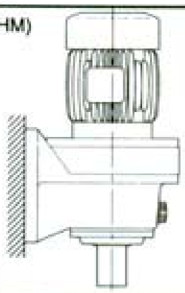
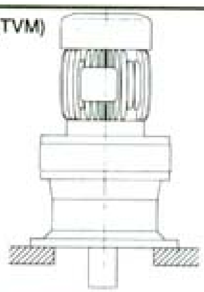
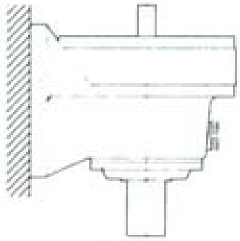
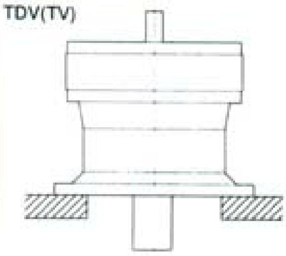
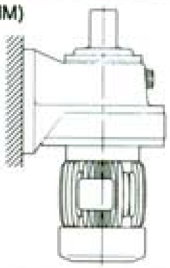
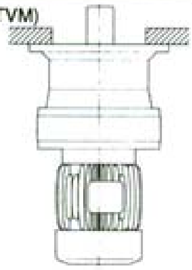
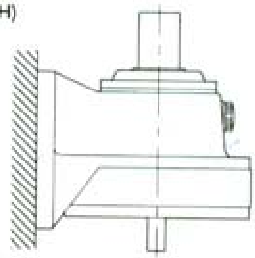
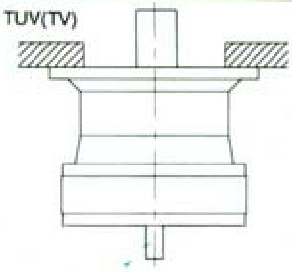
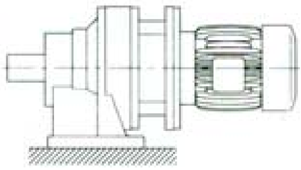
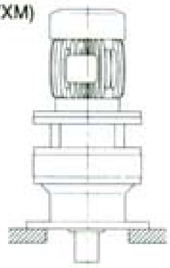
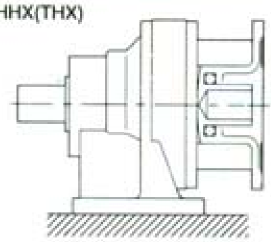
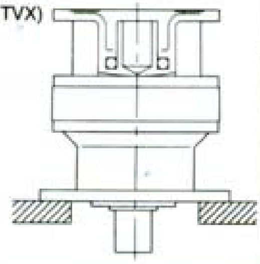
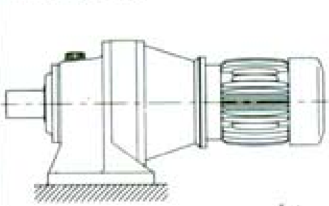
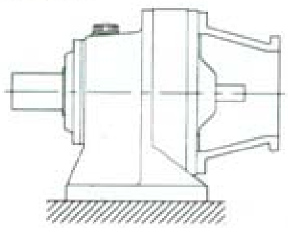
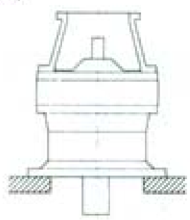
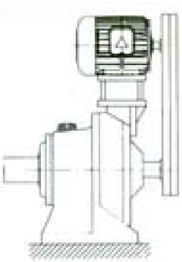
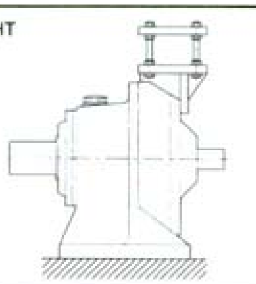
Input Power - Motor Capacity Symbol

4 Pole	Symbol	02	05	1	2	3	5	8	10	15	20	25	30	40	50	60	75	100
	KW	0.2	0.4	0.75	1.5	2.2	3.7	5.5	7.5	11	15	18.5	22	30	37	45	55	75
	HP	1/4	1/2	1	2	3	5	7.5	10	15	20	25	30	40	50	60	75	100

6 Pole	Symbol	20/6	25/6	30/6	40/6	50/6	60/6	75/6	100/6	125/6	150/6	175/6
	KW	15	18.5	22	30	37	45	55	75	90	110	132
	HP	20	25	30	40	50	60	75	100	125	150	175

*Note: Could be any mounting position. Only applies to grease lubricated maintenance - free TRANSCYKO Speed Reducers.

MOUNTING POSITIONS

TRANSCYKO Gearmotors		TRANSCYKO Speed Reducers	
THHM(THM) 	THVM(TVM) 	THH(TH) 	THV(TV) 
TDHM(THM) 	TDVM(TVM) 	TDH(TH) 	TDV(TV) 
TUHM(THM) 	TUVM(TVM) 	TUH(TH) 	TUV(TV) 
THHXM(THXM) 	TDVXM(TVXM) 	THHX(THX) 	TDVX(TVX) 
THHCM(THCM) 	TDVCM(TVCM) 	THHC(THC) 	TDVC(TVC) 
THHTM 		THHT 	

LIST OF STANDARD FRAME SIZES

SINGLE STAGE
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627

DOUBLE STAGE	OUTPUT FRAME SIZE	INPUT FRAME SIZE
607/07	607	607
608/07	608	607
609/08	609	608
610/08	610	608
611/08	611	608
611/09	611	609
613/08	613	608
613/09	613	609
613/10	613	610
614/08	614	608
614/09	614	609
614/10	614	610
616/09	616	609
616/10	616	610
616/11	616	611
617/09	617	609
617/10	617	610
617/11	617	611
618/10	618	610
618/13	618	613
619/11	619	611
619/13	619	613
620/11	620	611
620/13	620	613
621/13	621	613
621/16	621	616
622/13	622	613
622/17	622	617
623/16	623	616
623/18	623	618
624/16	624	616
624/18	624	618
625/17	625	617
625/19	625	619
626/19	626	619
627/19	627	619

COMBINATION OF RATIOS

1.Standard single stage reduction ratios with 4 pole motor (1500 R.P.M.–50HZ / 1800 R.P.M.–60HZ)

Ratio		6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119
Output	50Hz	250	188	136	115	100	88	71	60	52	43	35	29	25	21	17	13
Speed (R.P.M.)	60Hz	300	225	164	138	120	106	86	72	62	51	42	35	31	25	21	15

2.Standard single stage reduction ratios with 6 pole motor (1000 R.P.M.–50HZ / 1200 R.P.M.–60HZ)

Ratio		11	15	21	29	43	59	87
Output	50Hz	91	67	48	34	23	17	11
Speed (R.P.M.)	60Hz	109	80	57	41	28	20	14

3.Standard double stage reduction ratios with 4 pole motor (1500 R.P.M.–50HZ / 1800 R.P.M.–60HZ)

Ratio		104 (13x8)	121 (11x11)	143 (13x11)	165 (15x11)	195 (15x13)	231 (21x11)	273 (21x13)	319 (29x11)	377 (29x13)	473 (43x11)	559 (43x13)	649 (59x11)	731 (43x17)	841 (29x29)	1003 (59x17)
Output	50Hz	14	12	10	9.1	7.7	6.5	5.5	4.7	4.0	3.2	2.7	2.3	2.1	1.8	1.5
Speed (R.P.M.)	60Hz	17	15	13	11	9.2	7.8	6.6	5.6	4.8	3.8	3.2	2.8	2.5	2.1	1.8

Ratio		1247 (43x29)	1479 (87x17)	1849 (43x43)	2065 (59x35)	2537 (59x43)	3045 (87x35)	3481 (59x59)	4437 (87x51)	5133 (87x59)	6177 (87x71)	7569 (87x87)
Output	50Hz	1.2	1.0	0.81	0.73	0.59	0.49	0.43	0.34	0.29	0.24	0.20
Speed (R.P.M.)	60Hz	1.4	1.2	0.97	0.87	0.71	0.59	0.52	0.41	0.35	0.29	0.24

4.Other available double stage reduction ratios with 4 pole motor (1500 R.P.M.–50HZ / 1800 R.P.M.–60HZ)

Ratio		88 (11x8)	90 (15x6)	102 (17x6)	120 (15x8)	126 (21x6)	136 (17x8)	150 (25x6)	168 (21x8)	169 (13x13)	174 (29x6)	187 (17x11)	200 (25x8)	210 (35x6)	221 (17x13)	225 (15x15)
Output	50Hz	17	17	15	12	12	11	10	8.9	8.9	8.6	8.0	7.5	7.1	6.8	6.7
Speed (R.P.M.)	60Hz	20	20	18	15	14	13	12	11	11	10	9.6	9.0	8.6	8.1	8.0

Ratio		232 (29x8)	255 (17x15)	258 (43x6)	275 (25x11)	280 (35x8)	289 (17x17)	306 (51x6)	315 (21x15)	325 (25x13)	344 (43x8)	354 (59x6)	357 (21x17)	375 (25x15)	385 (35x11)	408 (51x8?)
Output	50Hz	6.5	5.9	5.8	5.4	5.4	5.2	4.9	4.8	4.6	4.4	4.2	4.2	4.0	3.9	3.7
Speed (R.P.M.)	60Hz	7.8	7.0	7.0	6.5	6.4	6.2	5.9	5.7	5.5	5.2	5.1	5.0	4.8	4.7	4.4

Ratio		425 (25x17)	426 (71x6)	435 (29x15)	441 (21x21)	455 (35x13)	472 (59x8)	493 (29x17)	522 (87x6)	525 (35x15)	561 (51x11)	568 (71x8)	595 (35x17)	609 (29x21)	625 (25x25)	645 (43x15)
Output	50Hz	3.5	3.5	3.4	3.4	3.3	3.2	3.0	2.9	2.9	2.7	2.6	2.5	2.5	2.4	2.3
Speed (R.P.M.)	60Hz	4.2	4.2	4.1	4.1	4.0	3.8	3.7	3.4	3.4	3.2	3.2	3.0	3.0	2.9	2.8

Ratio		663 (51x13)	696 (87x8)	725 (29x25)	735 (35x21)	765 (51x15)	767 (59x13)	781 (71x11)	867 (51x17)	875 (35x25)	885 (59x15)	903 (43x21)	923 (71x13)	957 (87x11)	1015 (35x29)	1065 (71x15)
Output	50Hz	2.3	2.2	2.1	2.0	2.0	2.0	1.9	1.7	1.7	1.7	1.7	1.6	1.5	1.5	1.4
Speed (R.P.M.)	60Hz	2.7	2.6	2.5	2.4	2.4	2.3	2.3	2.1	2.1	2.0	2.0	2.0	1.8	1.8	1.7

Ratio		1071 (51x21)	1075 (43x25)	1131 (87x13)	1207 (71x17)	1225 (35x35)	1239 (59x21)	1275 (51x25)	1305 (87x15)	1475 (59x25)	149 (71x21)	1505 (43x35)	1711 (59x29)	1775 (71x25)	1785 (51x35)	1827 (87x21)
Output	50Hz	1.4	1.4	1.3	1.2	1.2	1.2	1.2	1.1	1.0	1.0	1.0	0.88	0.85	0.84	0.82
Speed (R.P.M.)	60Hz	1.7	1.7	1.6	1.5	1.5	1.5	1.4	1.4	1.2	1.2	1.2	1.1	1.0	1.0	0.99

Ratio		2059 (71x29)	2175 (87x25)	2193 (51x43)	2485 (71x35)	2523 (87x29)	2601 (51x51)	3009 (59x51)	3053 (71x43)	3621 (71x51)	3741 (87x43)	4189 (71x59)	5041 (71x71)
Output	50Hz	0.73	0.69	0.68	0.60	0.59	0.58	0.50	0.49	0.41	0.40	0.36	0.30
Speed (R.P.M.)	60Hz	0.87	0.83	0.82	0.72	0.71	0.69	0.60	0.59	0.50	0.48	0.43	0.36

5.Available triple stage reduction ratios (1500 R.P.M.—50HZ / 1800 R.P.M.—60HZ)

Ratio		990	1122	1331	1386	1734	1815	1914	2057	2142	2310
		(15X11X6)	(17X11X6)	(11X11X11)	(21X11X6)	(17X17X6)	(15X11X11)	(29X11X6)	(17X11X11)	(21X17X6)	(35X11X6)
Output Speed (R.P.M.)	50 Hz	1.5	1.3	1.1	1.1	0.86	0.83	0.78	0.73	0.70	0.65
	60 Hz	1.8	1.6	1.4	1.3	1.0	0.99	0.94	0.87	0.84	0.78

Ratio		2541	2838	2958	3179	3509	3570	3894	3927	4235	4386
		(21X11X11)	(43X11X6)	(29X17X6)	(17X17X11)	(29X11X11)	(35X17X6)	(59X11X6)	(21X17X11)	(35X11X11)	(43X17X6)
Output Speed (R.P.M.)	50 Hz	0.59	0.53	0.51	0.47	0.43	0.42	0.38	0.38	0.35	0.34
	60 Hz	0.71	0.63	0.61	0.57	0.51	0.50	0.46	0.46	0.42	0.41

Ratio		4913	5046	5203	5423	5742	6018	6069	6069	6545	7139
		(17X17X17)	(29X29X6)	(43X11X11)	(29X17X11)	(87X11X6)	(59X17X6)	(21X17X17)	(35X29X6)	(35X17X11)	(59X11X11)
Output Speed (R.P.M.)	50 Hz	0.30	0.30	0.29	0.28	0.26	0.25	0.25	0.25	0.23	0.21
	60 Hz	0.37	0.36	0.34	0.33	0.31	0.30	0.30	0.30	0.28	0.25

Ratio		7350	7482	8041	8381	8874	9030	9251	10115	10266	10527
		(35X35X6)	(43X29X6)	(43X17X11)	(29X17X17)	(87X17X6)	(43X35X6)	(29X29X11)	(35X17X17)	(59X29X6)	(87X11X11)
Output Speed (R.P.M.)	50 Hz	0.20	0.20	0.19	0.18	0.17	0.17	0.16	0.15	0.15	0.14
	60 Hz	0.24	0.24	0.22	0.21	0.20	0.20	0.19	0.18	0.18	0.17

Ratio		11033	11094	11165	12390	12427	13475	13717	14297	15138	15222
		(59X17X11)	(43X43X6)	(35X29X11)	(59X35X6)	(43X17X17)	(35X35X11)	(43X29X11)	(29X29X17)	(87X29X6)	(59X43X6)
Output Speed (R.P.M.)	50 Hz	0.14	0.14	0.13	0.12	0.12	0.11	0.11	0.10	0.10	0.10
	60 Hz	0.16	0.16	0.16	0.14	0.14	0.13	0.13	0.12	0.12	0.12

Ratio		16269	16555	17051	17255	18270	18821	20339	20825	21199	22446
		(87X17X11)	(43X35X11)	(59X17X17)	(35X29X17)	(87X35X6)	(59X29X11)	(43X43X11)	(35X35X17)	(43X29X17)	(87X43X6)
Output Speed (R.P.M.)	50 Hz	0.09	0.09	0.09	0.09	0.08	0.08	0.07	0.07	0.07	0.07
	60 Hz	0.11	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.08	0.08

Ratio		22715	24389	25143	25585	27753	27907	29087	29435	31433	33495
		(59X35X11)	(29X29X29)	(87X17X17)	(43X35X17)	(87X29X11)	(59X43X11)	(59X29X17)	(35X29X29)	(43X43X17)	(87X35X11)
Output Speed (R.P.M.)	50 Hz	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.04
	60 Hz	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.05

Ratio		35105	35525	36163	38291	41151	42875	42891	43129	43645	49619
		(59X35X17)	(35X35X29)	(43X29X29)	(59X59X11)	(87X43X11)	(35X35X35)	(87X29X17)	(59X43X17)	(43X35X29)	(59X29X29)
Output Speed (R.P.M.)	50 Hz	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03
	60 Hz	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04

Ratio		51765	52675	53621	56463	59177	59885	63597	64715	72275	73167
		(87X35X17)	(43X35X35)	(43X43X29)	(87X59X11)	(59X59X17)	(59X35X29)	(87X43X17)	(43X43X35)	(59X35X35)	(87X29X29)
Output Speed (R.P.M.)	50 Hz	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
	60 Hz	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02

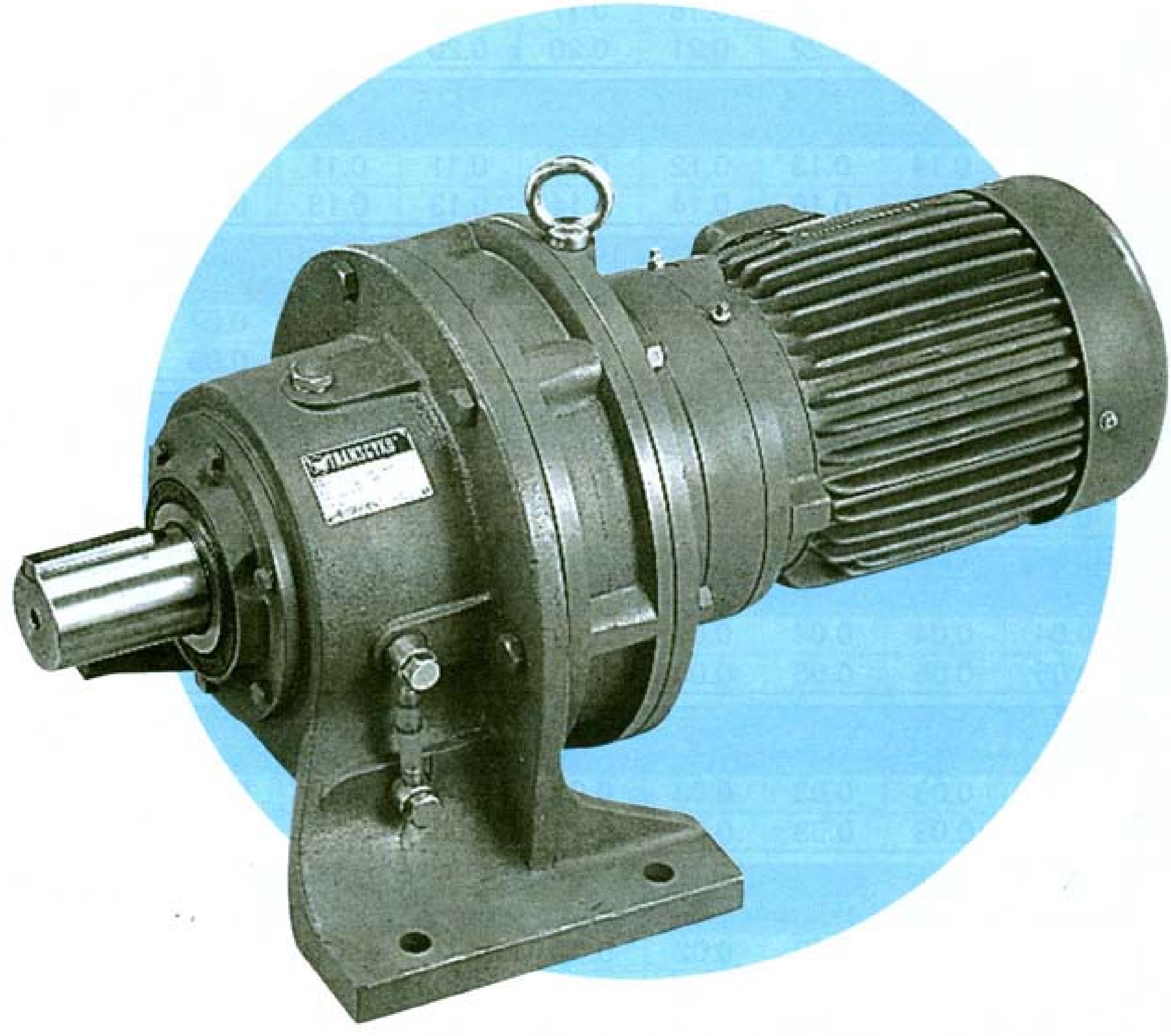
Ratio		73573	79507	83259	87261	88305	88795	100949	106575	108489	109091
		(59X43X29)	(43X43X43)	(87X87X11)	(87X59X17)	(59X43X35)	(59X43X35)	(59X59X29)	(87X35X35)	(87X43X29)	(59X43X43)
Output Speed (R.P.M.)	50 Hz	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
	60 Hz	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Ratio		121835	128673	130935	148857	149863	160863	179655	205379	219501	220719
		(59X59X35)	(87X87X17)	(87X43X35)	(87X59X29)	(87X43X43)	(87X43X43)	(87X59X35)	(59X59X59)	(87X87X29)	(87X59X43)
Output Speed (R.P.M.)	50 Hz	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	60 Hz	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Ratio		264915	302847	325467	446571	658503
		(87X87X35)	(87X59X59)	(87X87X43)	(87X87X59)	(87X87X87)
Output Speed (R.P.M.)	50 Hz	0.006	0.005	0.005	0.003	0.002
	60 Hz	0.01	0.006	0.006	0.004	0.003

SELECTION AND DIMENSIONS OF TRANSCYKO GEARMOTORS

- How To Select A Suitable TRANSCYKO Gearmotor
- Selection Tables
- Dimension Pages



HOW TO SELECT A SUITABLE TRANSCYKO GEARMOTOR

Example 1

Given Conditions: 1.Driven machine application: Agitator (Liquids & Solids),output shaft vertical down, V-flange mounting

2.Operation time: 24 hours/day

3.Motor type: 4 pole, 50Hz, 1500 R.P.M.

4.Required output speed: approximately 30 R.P.M.

5.Transmitted Torque: 153 kg · m(13,280 in · lbs)

Step 1: Refer to "Machine Load Classifications", determine the machine load Characteristic = M.

And Operation time : 24 hrs/day

Review the "Recommended TRANSCYKO Load Factors" table, determine the load factor = 1.35

Step 2: $P_1 \geq \frac{30x153}{975}$ =4.71 kw $\quad \therefore P_1 = 5.5$ kw

Step 3: From the Selection Table on page 26, the closest ratio for required output speed 30 R.P.M. is 51 and unit frame size to suit transmitted torque 153 kg · m(13,280 in · lbs) [Output Torque 168kg · m(14,582 in · lbs)] and load factor 1.35[S.F=1.52] requirement is 617.

Step 4: The complete model designation would be TDVM8-617-51.

Example 2

Given Conditions: 1.Driven machine application: Mixer (concrete),shaft coupling, output shaft vertical down

2.Operation time: 10 hours/day

3.Motor type: 4 pole, 60 Hz, 1800 R.P.M.

4.Required output speed: approximately 15 R.P.M.

5.Transmitted Torque: 150 kg · m(13,020 in - 1bs)

Step 1: Refer to "Machine Load Classifications",determine the machine load Characteristic = M. And operation Time : 10 hour/day Review the "Recommended TRANSCYKO Load Factors"table, determine the load factor =1.2

Step 2 = $P_1 \geq \frac{15x150}{975}$ =2.30 kw $\quad P_1 = 3.7$ kw

Step 3: From the Selection Table on page 29, the closest ratio for required output speed 15 RPM is 121 and unit frame size to the suit the transmitted torque 150 kg · m(13,020 in · 1bs) requirement is 616/11. If the S.F in this column is greater than load factor 1.2, the model designation would be determined. If the S.F is less than 1.2, the model designation would be determined by Transmitted Torque x Load factor≦Output Torque. In this case, 150(13020)x1.2=180(15624)<182(15798). Model 5-616/11-121 is selected. Overhung load does not have to be considered because of coupling connections.

Step 4: The complete model designation would be TDVM5-616/11-121.

SELECTION TABLE WITH 4 POLE MOTOR

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
6	50 Hz	1500 R.P.M.	250 R.P.M.
	60 Hz	1800 R.P.M.	300 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	0.72/62	140/308	2.00	0.60/52	130/286	1.80	**02-608-6**	49	106
0.4	1/2	05	1.44/125	140/308	1.00	1.20/104	130/286	1.05	**05-608-6**	49	106
				262/576	3.32		248/546	3.35	05-609-6	50	107
0.75	1	1	2.70/234	262/576	1.77	2.25/195	248/546	1.79	**1-609-6**	50	107
				415/913	2.95		390/858	3.01	1-610-6	51	108
1.5	2	2	5.40/469	415/913	1.47	4.50/391	390/858	1.51	**2-610-6**	51	108
				516/1135	3.31		487/1071	3.25	2-611-6	52	109
2.2	3	3	7.92/687	415/913	1.00	6.60/573	390/858	1.03	**3-610-6**	51	108
				516/1135	2.25		487/1071	2.22	3-611-6	52	109
3.7	5	5	13.3/1156	516/1135	1.34	11.1/963	487/1071	1.32	**5-611-6**	52	109
				519/1142	1.79		487/1071	1.83	5-612-6	53	110
				601/1233	2.69		568/1250	2.69	5-613-6	54	111
5.5	7.5	8	19.8/1719	519/1142	1.20	16.5/1432	487/1071	1.23	**8-612-6**	53	110
				601/1322	1.81		568/1250	1.81	8-613-6	54	111
7.5	10	10	27.0/2344	601/1322	1.33	22.5/1953	568/1250	1.33	**10-613-6**	54	111
				940/2068	1.73		890/1958	1.73	10-615-6	56	113
				975/2145	1.95		920/2024	1.95	10-616-6	57	113
11	15	15	39.6/3437	940/2068	1.18	33.0/2864	890/1958	1.18	**15-615-6**	56	113
				975/2145	1.33		920/2024	2.65	15-616-6	57	113
				1152/2534	1.94		1081/2378	3.21	15-617-6	58	114
15	20	20	54.0/4687	1152/2534	1.43	45.0/3906	1081/2378	2.60	**20-617-6**	58	114
18.5	25	25	66.6/5781	1152/2534	1.16	55.5/4817	1081/2378	1.85	**25-617-6**	58	114

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
8	50 Hz	1500 R.P.M.	188 R.P.M.
	60 Hz	1800 R.P.M.	225 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	0.96/83	154/339	2.00	0.80/69	145/319	2.00	**02-608-8**	49	105
0.4	1/2	05	1.92/167	154/339	1.00	1.60/139	145/319	1.00	**05-608-8**	49	105
				289/636	3.38		272/598	3.35	05-609-8	50	106
0.75	1	1	3.60/312	289/636	1.80	3.00/260	272/598	1.79	**1-609-8**	50	106
				455/1001	3.63		429/944	3.68	1-610-8	51	107
1.5	2	2	7.20/625	455/1001	1.81	6.00/521	429/944	1.84	**2-610-8**	51	107
				570/1254	3.34		537/1181	3.34	2-611-8	52	108
2.2	3	3	10.6/917	455/1001	1.24	8.80/764	429/944	1.25	**3-610-8**	51	107
				570/1254	2.28		537/1181	2.28	3-611-8	52	108
3.7	5	5	17.8/1542	570/1254	1.36	14.8/1285	537/1181	1.35	**5-611-8**	52	108
				571/1256	1.84		540/1188	1.83	5-612-8	53	109
				659/1455	2.70		624/1373	2.70	5-613-8	54	110
5.5	7.5	8	26.4/2292	570/1258	1.24	22.0/1910	540/1188	1.23	**8-612-8**	53	109
				659/1450	1.82		624/1373	1.82	8-613-8	54	110
7.5	10	10	36.0/3125	659/1450	1.33	30.0/2604	624/1373	1.33	**10-613-8**	54	110
				1030/2266	1.73		975/2145	1.72	10-615-8	56	112
				1072/2358	2.37		1010/2230	2.39	10-616-8	57	113
11	15	15	52.8/4583	1030/2266	1.18	44.0/3819	975/2145	1.17	**15-615-8**	56	112
				1072/2358	1.62		1012/2226	1.63	15-616-8	57	113
15	20	20	72.0/6250	1072/2358	1.19	60.0/5208	1012/2226	1.19	**20-616-8**	57	113

*Please select models in the shaded column when a load factor of 1.0 is required as shown on page 8.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
11	50 Hz	1500 R.P.M.	136 R.P.M.
	60 Hz	1800 R.P.M.	164 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	1.32/114	101/222	1.20	1.10/95	92/202	1.20	02-607-11	48	104
				170/374	2.00		161/354	2.00	02-608-11	49	105
0.4	1/2	05	2.64/229	170/374	1.00	2.20/191	161/354	1.00	05-608-11	49	105
				325/715	3.05		309/680	3.02	05-609-11	50	106
0.75	1	1	4.95/430	325/715	1.63	4.12/358	309/680	1.61	1-609-11	50	106
				506/1113	3.62		476/1047	3.60	1-610-11	51	107
1.5	2	2	9.90/859	506/1113	1.81	8.25/716	476/1047	1.80	2-610-11	51	107
				634/1395	3.35		597/1313	3.32	2-611-11	52	108
2.2	3	3	14.5/1259	506/1113	1.24	12.1/1050	476/1047	1.23	3-610-11	51	107
				634/1395	2.29		597/1313	2.26	3-611-11	52	108
3.7	5	5	24.4/2118	634/1395	1.36	20.4/1771	597/1313	1.34	5-611-11	52	108
				735/1617	2.62		692/1522	2.64	5-613-11	54	110
5.5	7.5	8	36.3/3151	735/1617	1.76	30.2/2626	692/1522	1.78	8-613-11	54	110
7.5	10	10	49.5/4297	735/1617	1.29	41.2/3576	692/1522	1.30	10-613-11	54	110
				968/2130	1.31		916/2015	1.32	10-614-11	55	111
				1131/2488	1.73		1070/2354	1.72	10-615-11	56	112
				1198/2636	2.41		1122/2468	2.37	10-616-11	57	113
11	15	15	72.6/6302	1131/2488	1.18	60.5/5251	1070/2354	1.17	15-615-11	56	112
				1198/2636	1.64		1122/2468	1.62	15-616-11	57	113
15	20	20	99.0/8593	1198/2636	1.21	82.5/7161	1122/2468	1.19	20-616-11	57	113
				1407/3095	1.80		1322/2908	1.79	20-617-11	58	114
				1888/4154	2.15		1780/3916	2.16	20-618-11	59	115
18.5	25	25	122/10590	1407/3095	1.46	102/8854	1322/2908	1.45	25-617-11	58	114
				1888/4154	1.74		1780/3916	1.75	25-618-11	59	115
22	30	30	145/12586	1407/3095	1.23	121/10503	1322/2908	1.22	30-617-11	58	114
				1888/4154	1.47		1780/3916	1.47	30-618-11	59	115
				2647/5823	1.97		2481/5458	1.97	30-619-11	60	116
30	40	40	198/17186	1888/4154	1.08	165/14322	1780/3916	1.08	40-618-11	59	115
				2647/5823	1.44		2481/5458	1.44	40-619-11	60	116
				3420/7524	1.92		3242/7132	1.93	40-620-11	61	117
37	50	50	244/21179	2647/5823	1.17	204/17707	2481/5485	1.17	50-619-11	60	116
				3420/7524	1.56		3242/7132	1.56	50-620-11	61	117
				4360/9625	1.89		4132/9090	1.88	50-621-11	62	118
45	60	60	297/25780	3420/7524	1.28	248/21526	3242/7132	1.28	60-620-11	61	117
				4367/9607	1.55		4132/9090	1.55	60-621-11	62	118
				4592/10102	2.14		4350/9570	2.13	60-622-11	63	119
55	75	75	363/31508	4367/9607	1.27	302/26214	4132/9090	1.26	75-621-11	62	118
				4592/10102	1.75		4350/9570	1.74	75-622-11	63	119
75	100	100	495/42966	4592/10102	1.29	412/35762	4350/9570	1.28	100-622-11	62	119

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
13	50 Hz	1500 R.P.M.	115 R.P.M.
	60 Hz	1800 R.P.M.	138 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	1.56/135	107/235	1.20	1.30/113	100/220	1.20	02-607-13	48	104
				177/389	2.00		170/374	2.00	02-608-13	49	105
0.4	1/2	05	3.12/271	177/389	1.00	2.60/226	170/374	1.00	05-608-13	49	105
				334/735	3.00		325/715	3.00	05-609-13	50	106
0.75	1	1	5.85/508	334/735	1.60	4.88/424	325/715	1.60	1-609-13	50	106
				534/1175	3.54		505/1111	3.52	1-610-13	51	107
1.5	2	2	11.7/1016	534/1175	1.77	9.75/846	505/1111	1.76	2-610-13	51	107
				670/1474	3.25		634/1395	3.24	2-611-13	52	108

*Please select models in the shaded column when a load factor of 1.0 is required as shown on page 8.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m/in・lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg・m/in・lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
2.2	3	3	17.2/1493	534/1175	1.21	14.3/1241	505/1111	1.20	3-610-13	51	107
				670/1474	2.22		634/1395	2.21	3-611-13	52	108
3.7	5	5	28.9/2508	670/1474	1.32	24.0/2083	634/1395	1.31	5-611-13	52	108
				670/1474	1.35		634/1395	1.35	5-612-13	53	109
				775/1705	2.49		736/1619	2.50	5-613-13	54	110
5.5	7.5	8	42.9/3724	775/1705	1.67	35.8/3107	736/1619	1.68	8-613-13	54	110
7.5	10	10	58.5/5078	775/1705	1.23	48.8/4236	736/1619	1.23	10-613-13	54	110
				1190/2618	1.37		1131/2488	1.36	10-615-13	56	112
				1260/2772	2.27		1197/2633	2.27	10-616-13	57	113
11	15	15	85.8/7447	1260/2772	1.54	71.5/6206	1197/2633	1.54	15-616-13	57	113
				1478/3252	2.43		1407/3095	2.44	15-617-13	58	114
15	20	20	117/10156	1260/2772	1.13	97.5/8463	1197/2633	1.13	20-616-13	57	113
				1478/3252	1.78		1407/3095	1.79	20-617-13	58	114
				1995/4389	2.21		1884/4145	2.20	20-618-13	59	115
18.5	25	25	144/12499	1478/3252	1.44	120/10416	1407/3095	1.45	25-617-13	58	114
				1995/4389	1.79		1884/4145	1.78	25-618-13	59	115
22	30	30	172/14930	1478/3252	1.21	143/12412	1407/3095	1.22	30-617-13	58	114
				1995/4389	1.50		1884/4145	1.50	30-618-13	59	115
				2793/6145	1.81		2632/5790	1.92	30-619-13	60	116
30	40	40	234/20311	1995/4389	1.10	195/16926	1884/4145	1.10	40-618-13	59	115
				2793/6145	1.33		2632/5790	1.41	40-619-13	60	116
37	50	50	289/25085	2793/6145	1.08	241/20919	2632/5790	1.14	50-619-13	60	116

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
15	50 Hz	1500 R.P.M.	100 R.P.M.
	60 Hz	1800 R.P.M.	120 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m/in・lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg・m/in・lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
0.2	1/4	02	1.80/156	110/242	1.20	1.50/130	106/233	1.20	02-607-15	48	104
				180/396	2.00		179/394	2.00	02-608-15	49	105
0.4	1/2	05	3.60/312	180/396	1.00	3.00/260	179/394	1.00	05-608-15	49	105
				340/748	2.62		335/737	2.00	05-609-15	50	106
0.75	1	1	6.75/586	340/748	1.40	5.62/488	335/737	1.39	1-609-15	50	106
				550/1210	3.65		528/1162	3.63	1-610-15	51	107
1.5	2	2	13.5/1161	550/1210	1.83	11.3/981	528/1162	1.81	2-610-15	51	107
				705/1551	3.23		662/1456	3.21	2-611-15	52	108
2.2	3	3	19.8/1719	550/1210	1.24	16.5/1432	528/1162	1.24	3-610-15	51	107
				705/1551	2.20		662/1456	2.19	3-611-15	52	108
3.7	5	5	33.3/2890	705/1551	1.31	27.8/2413	662/1456	1.30	5-611-15	52	108
				705/1551	1.34		662/1456	1.34	5-612-15	53	109
				818/1799	2.06		765/1683	2.05	5-613-15	54	110
5.5	7.5	8	49.5/4297	818/1799	1.39	41.2/3576	765/1683	1.38	8-613-15	54	110
				1060/2332	1.66		1010/2222	1.66	8-614-15	55	111
7.5	10	10	67.5/5859	818/1799	1.02	56.2/4878	765/1683	1.01	10-613-15	54	110
				1060/2332	1.22		1010/2222	1.22	10-614-15	55	111
				1241/2730	1.32		1170/2574	1.32	10-615-15	56	112
				1333/2933	1.97		1240/2728	1.99	10-616-15	57	113
11	15	15	99.0/8593	1333/2933	1.36	82.5/7161	1240/2728	1.26	15-616-15	57	113
				1565/3443	2.08		1470/3234	2.07	20-617-15	58	114
15	20	20	135/11718	1333/2932	1.00	113/9808	1240/2728	1.00	20-616-15	57	113
				1565/3443	1.53		1470/3234	1.52	20-617-15	58	114
				2100/4620	2.02		1970/4334	2.00	20-618-15	59	115
18.5	25	25	167/14496	1565/3443	1.24	139/12065	1470/3234	1.23	25-617-15	58	114
				2100/4620	1.64		1970/4334	1.62	25-618-15	59	115
22	30	30	198/17186	1565/3443	1.04	165/14322	1470/3234	1.04	30-617-15	58	114
				2100/4620	1.38		1970/4334	1.36	30-618-15	59	115
				2940/6468	1.94		2750/6050	1.93	30-619-15	60	116

*Please select models in the shaded column when a load factor of 1.0 is required as shown on page 8.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
30	40	40	270/23436	2090/4614	1.01	225/19530	1970/4334	1.00	40-618-15	59	115
				2930/6468	1.42		2750/6050	1.42	40-618-15	59	115
				3760/8300	1.94		3560/7832	1.94	40-620-15	61	117
37	50	50	333/28904	2930/6468	1.15	278/24130	2750/6050	1.15	50-619-15	60	116
				3760/8300	1.57		3560/7832	1.57	50-620-15	61	117
				4790/10574	1.93		4530/10000	1.92	50-621-15	62	118
45	60	60	405/35154	3760/8300	1.29	338/29338	3560/7832	1.29	60-620-15	61	117
				4790/10574	1.58		4530/9966	1.58	60-621-15	62	118
				5040/11126	2.00		4770/10494	2.00	60-622-15	63	119
55	75	75	495/42966	4790/10574	1.30	412/35762	4530/9966	1.29	75-621-15	62	118
				5040/11126	1.64		4770/10494	1.64	75-622-15	63	119
75	100	100	675/58590	5040/11126	1.20	562/48782	4770/10494	1.20	100-622-15	63	119

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
17	50 Hz	1500 R.P.M.	88 R.P.M.
	60 Hz	1800 R.P.M.	106 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	2.04/177	110/242	1.20	1.72/149	109/240	1.20	**02-607-17**	48	104
				180/396	2.00		179/394	2.00	02-608-17	49	105
0.4	1/2	05	4.08/354	180/396	1.00	3.40/295	179/394	1.00	**05-608-17**	49	105
				340/748	2.68		339/746	2.72	05-609-17	50	106
0.75	1	1	7.65/664	340/748	1.43	6.38/554	339/746	1.45	**1-609-17**	50	106
				550/1210	2.79		550/1210	2.73	1-610-17	51	107
1.5	2	2	15.3/1328	550/1210	1.39	12.8/1111	550/1210	1.37	**2-610-17**	51	107
				733/1613	3.12		690/1518	3.07	2-611-17	52	108
2.2	3	3	22.4/1944	733/1613	2.13	18.7/1623	690/1518	2.09	**3-611-17**	52	108
3.7	5	5	37.7/3272	733/1613	1.26	31.4/2726	690/1518	1.24	**5-611-17**	52	108
				734/1615	1.34		690/1518	1.34	5-612-17	53	109
				850/1870	1.90		795/1749	1.91	5-613-17	54	110
5.5	7.5	8	56.1/4869	850/1870	1.28	46.8/4062	795/1749	1.28	**8-613-17**	54	110
				1100/2420	1.65		1040/2288	1.64	8-614-17	55	111
7.5	10	10	76.5/6640	1100/2420	1.21	63.8/5538	1040/2288	1.20	**10-614-17**	55	111
				1380/3036	2.00		1310/2882	1.99	10-616-17	57	113
11	15	15	112/9722	1380/3036	1.36	93.5/8116	1310/2882	1.35	**15-616-17**	57	113
				1620/3564	1.75		1532/3370	1.75	15-617-17	58	114
15	20	20	153/13280	1380/3036	1.00	128/11110	1310/2882	1.00	20-616-17	57	113
				1620/3564	1.29		1532/3370	1.29	20-617-17	58	114
				2180/4796	2.00		2050/4510	1.99	20-618-17	59	115
18.5	25	25	189/16405	1620/3564	1.04	157/13628	1532/3370	1.04	**25-617-17**	58	114
				2180/4796	1.62		2050/4510	1.61	25-618-17	59	115
22	30	30	224/19443	2180/4796	1.36	188/16339	2050/4510	1.35	**30-618-17**	59	115
				3050/6710	1.95		2870/6314	1.94	30-619-17	60	116
30	40	40	306/26561	2180/4796	1.00	255/22134	2050/4510	1.00	**40-618-17**	59	115
				3050/6710	1.43		2870/6314	1.42	40-619-17	60	116
37	50	50	377/32724	3050/6710	1.16	314/27255	2870/6314	1.15	**50-619-17**	60	116

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
21	50 Hz	1500 R.P.M.	71 R.P.M.
	60 Hz	1800 R.P.M.	89 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	2.52/219	110/242	1.00	2.10/182	110/242	1.00	**02-607-21**	48	104

*Please select models in the shaded column when a load factor of 1.0 is required as shown on page 8.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg·m / in·lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg·m / in·lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	2.52/219	180/396	2.00	2.10/182	180/396	2.00	02-608-21	49	105
0.4	1/2	05	5.04/437	180/396	1.00	4.20/364	180/396	1.00	**05-608-21**	49	105
				340/748	2.48		340/748	2.50	05-609-21	50	106
0.75	1	1	9.45/820	340/748	1.32	7.88/684	340/748	1.33	**1-609-21**	50	106
				550/1210	2.69		550/1210	2.68	1-610-21	51	107
1.5	2	2	18.9/1640	550/1210	1.35	15.8/1371	550/1210	1.34	**2-610-21**	51	107
				787/1731	2.69		740/1628	2.67	2-611-21	52	108
2.2	3	3	27.7/2413	787/1731	1.83	23.1/2005	740/1628	1.82	3-611-21	52	108
3.7	5	5	46.6/4046	787/1731	1.09	38.8/3368	740/1628	1.08	**5-611-21**	52	108
				909/2000	1.64		855/1881	1.63	5-613-21	54	110
5.5	7.5	8	69.3/6015	909/2000	1.10	57.8/5017	855/1881	1.09	**8-613-21**	54	110
				1180/2596	1.22		1110/2442	1.21	8-614-21	55	111
				1480/3256	2.40		1390/3058	2.42	8-616-21	57	113
7.5	10	10	94.5/8203	1480/3256	1.76	78.8/6840	1390/3058	1.77	**10-616-21**	57	113
11	15	15	139/12065	1480/3256	1.20	116/10069	1390/3058	1.21	**15-616-21**	57	113
				1740/3828	1.68		1640/3608	1.67	15-617-21	58	114
15	20	20	189/16405	1740/3828	1.23	158/13714	1640/3608	1.23	**20-617-21**	58	114
				2340/5148	1.79		2200/4840	1.79	20-618-21	59	115
18.5	25	25	233/20224	1740/3828	1.00	194/16839	1640/3608	1.00	**25-617-21**	58	114
				2340/5148	1.45		2200/4840	1.45	25-618-21	59	115
				3270/7194	1.95		3080/6776	1.96	25-619-21	60	116
22	30	30	277/24044	2340/5148	1.22	231/20051	2200/4840	1.22	**30-618-21**	59	115
				3270/7194	1.64		3080/6776	1.64	30-619-21	60	116
30	40	40	378/32810	3270/7194	1.20	315/27342	3080/6776	1.21	**40-619-21**	60	116
				4160/9152	1.54		3940/8668	1.53	40-620-21	61	117
				5300/11660	1.98		5010/11022	1.98	40-621-21	62	118
37	50	50	466/40449	3270/7194	1.00	388/33687	3080/6776	1.00	**50-619-21**	60	116
				4160/9152	1.25		3940/8668	1.24	50-620-21	61	117
				5300/11660	1.93		5010/11022	1.92	50-621-21	62	118
				5580/12276	2.44		5280/11616	2.43	50-622-21	63	119
45	60	60	567/49216	4160/9152	1.03	472/40970	3940/8668	1.02	**60-620-21**	61	117
				5300/11660	1.58		5010/11022	1.58	60-621-21	62	118
				5580/12276	2.00		5280/11616	2.00	60-622-21	63	119
55	75	75	693/60152	5300/11660	1.30	578/50170	5010/11022	1.29	**75-621-21**	62	118
				5580/12276	1.64		5280/11616	1.64	75-622-21	63	119

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
25	50 Hz	1500 R.P.M.	60 R.P.M.
	60 Hz	1800 R.P.M.	72 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg·m / in·lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg·m / in·lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	3.00/260	180/396	1.25	2.50/217	180/396	1.25	**02-608-25**	49	105
				340/748	3.75		340/748	3.75	02-609-25	50	106
0.4	1/2	05	6.00/521	340/748	1.88	5.00/434	340/748	1.88	**05-609-25**	50	106
0.75	1	1	11.3/981	340/748	1.00	9.38/814	340/748	1.00	**1-609-25**	50	106
				550/1210	1.92		550/1210	1.96	1-610-25	51	107
1.5	2	2	22.5/1953	835/1837	2.13	18.8/1632	785/1727	2.13	**2-611-25**	52	108
2.2	3	3	33.0/2864	835/1837	1.45	27.5/2387	785/1727	1.45	**3-611-25**	52	108
				835/1837	1.52		785/1727	1.52	3-612-25	53	109
				965/2123	2.31		909/2000	2.31	3-613-25	54	110
3.7	5	5	55.5/4817	965/2123	1.37	46.2/4010	909/2000	1.37	**5-613-25**	54	110
				1242/2732	1.58		1170/2574	1.57	5-614-25	55	111
5.5	7.5	8	82.5/7161	1242/2732	1.06	68.8/5972	1170/2574	1.06	**8-614-25**	55	111
				1453/3197	1.22		1370/3014	1.26	8-615-25	56	112
				1580/3476	2.11		1470/3234	2.11	8-616-25	57	113
7.5	10	10	113/9808	1580/3476	1.55	93.8/8142	1470/3234	1.55	**10-616-25**	57	113
				1855/4081	2.07		1740/3828	2.08	10-617-25	58	114

*Please select models in the shaded column when a load factor of 1.0 is required as shown on page 8.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
11	15	15	165/14322	1580/3476	1.05	138/11978	1470/3234	1.05	15-616-25	57	113
				1855/4081	1.41		1740/3828	1.42	15-617-25	58	114
				2490/5478	2.07		2330/5126	2.07	15-618-25	59	115
15	20	20	225/19530	1855/4081	1.03	188/16318	1740/3828	1.04	20-617-25	58	114
				2490/5478	1.52		2330/5126	1.52	20-618-25	59	115
				3490/7678	2.29		3260/7172	2.28	20-619-25	60	116
18.5	25	25	278/24130	2490/5478	1.23	231/20051	2330/5126	1.23	25-618-25	59	115
				3490/7678	1.86		3260/7172	1.85	25-619-25	60	116
22	30	30	330/28644	2490/5478	1.04	275/23870	2330/5126	1.04	30-618-25	59	115
				3490/7678	1.56		3260/7172	1.55	30-619-25	60	116
30	40	40	450/39060	3490/7678	1.15	375/32550	3260/7172	1.14	40-619-25	60	116

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
29	50 Hz	1500 R.P.M.	52 R.P.M.
	60 Hz	1800 R.P.M.	62 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	3.48/302	180/396	1.20	2.90/252	180/396	1.20	02-608-29	49	105
				340/748	3.35		340/748	3.40	02-609-29	50	106
0.4	1/2	05	6.96/604	340/748	1.68	5.80/503	340/748	1.70	05-609-29	50	106
0.75	1	1	13.0/1128	550/1210	1.84	10.9/944	550/1210	1.84	1-610-29	51	107
1.5	2	2	26.1/2265	876/1927	1.90	21.8/1892	824/1813	1.89	2-611-29	52	108
2.2	3	3	38.3/3324	876/1927	1.30	31.9/2769	824/1813	1.29	3-611-29	52	108
				1010/2222	2.00		954/2100	2.00	3-613-29	54	110
3.7	5	5	64.4/5590	1010/2222	1.19	53.6/4652	954/2100	1.19	5-613-29	54	110
				1300/2860	1.31		1230/2706	1.31	5-614-29	55	111
				1510/3322	1.58		1430/3146	1.59	5-615-29	56	112
				1650/3630	2.62		1550/3410	2.62	5-616-29	57	113
5.5	7.5	8	95.7/8307	1510/3322	1.06	79.8/6927	1430/3146	1.07	8-615-29	56	112
				1650/3630	1.76		1550/3410	1.76	8-616-29	57	113
7.5	10	10	131/11371	1650/3630	1.29	109/9461	1550/3410	1.29	10-616-29	57	113
				1940/4268	1.91		1830/4026	1.91	10-617-29	58	114
11	15	15	191/16579	1940/4268	1.30	160/13888	1830/4026	1.30	15-617-29	58	114
				2610/5742	1.67		2458/5408	1.66	15-618-29	59	115
15	20	20	261/22655	2610/5742	1.23	218/18922	2458/5408	1.22	20-618-29	59	115
				3650/8030	2.01		3430/7546	2.00	20-619-29	60	116
18.5	25	25	322/27950	2610/5742	1.00	268/23262	2458/5408	1.00	25-618-29	59	115
				3650/8030	1.63		3430/7546	1.62	25-619-29	60	116
				4580/10076	2.11		4340/9548	2.11	25-620-29	61	117
22	30	30	383/33244	3650/8030	1.37	319/27689	3430/7546	1.36	30-619-29	60	116
				4580/10076	1.78		4340/9548	1.77	30-620-29	61	117
30	40	40	522/45310	3650/8030	1.00	435/3758	3430/7546	1.00	40-619-29	60	116
				4580/10076	1.34		4340/9548	1.30	40-620-29	61	117
				5860/12892	1.59		5539/12185	1.59	40-621-29	62	118
				6161/13554	1.78		5820/12804	1.78	40-622-29	63	119
37	50	50	644/55899	4580/10076	1.06	536/46525	4340/9548	1.05	50-620-29	61	117
				5860/12892	1.29		5539/12185	1.29	50-621-29	62	118
				6161/13554	1.44		5820/12804	1.44	50-622-29	63	119
45	60	60	783/67964	5860/12892	1.06	652/56594	5539/12185	1.06	60-621-29	62	118
				6161/13554	1.19		5820/12804	1.18	60-622-29	63	119
55	75	75	957/83068	6161/13554	1.00	798/69266	5820/12804	1.00	75-622-29	63	119

*Please select models in the shaded column when a load factor of 1.0 is required as shown on page 8.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
35	50 Hz	1500 R.P.M.	43 R.P.M.
	60 Hz	1800 R.P.M.	51 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	4.20/364	180/396	1.20	3.50/304	180/396	1.20	02-608-35	49	105
				340/748	2.90		340/748	2.90	02-609-35	50	106
0.4	1/2	05	8.40/729	340/748	1.45	7.00/608	340/748	1.45	05-609-35	50	106
				550/1210	2.55		550/1210	2.58	05-610-35	51	107
0.75	1	1	15.8/1371	550/1210	1.36	13.1/1137	550/1210	1.37	1-610-35	51	107
				880/1936	3.23		878/1932	3.20	1-611-35	52	108
1.5	2	2	31.5/2734	880/1936	1.61	26.2/2274	878/1932	1.60	2-611-35	52	108
				1080/2376	2.43		1010/2222	2.41	2-613-35	54	110
2.2	3	3	46.2/4010	880/1936	1.10	38.5/3342	878/1932	1.09	3-611-35	52	108
				1080/2376	1.65		1010/2222	1.64	3-613-35	54	110
3.7	5	5	77.7/6744	1080/2376	1.00	64.8/5625	1010/2222	1.00	5-613-35	54	110
				1370/3014	1.25		1300/2860	1.24	5-614-35	55	111
				1590/3498	1.31		1510/3322	1.31	5-615-35	56	112
				1750/3850	2.34		1650/3630	2.32	5-616-35	57	113
5.5	7.5	8	116/10069	1750/3850	1.57	96.2/8350	1650/3630	1.56	8-616-35	57	113
				2077/4570	2.27		1946/4282	2.25	8-617-35	58	114
7.5	10	10	158/13714	1750/3850	1.15	131/11371	1650/3630	1.15	10-616-35	57	113
				2077/4570	1.67		1946/4282	1.65	10-617-35	58	114
11	15	15	231/20051	2077/4570	1.14	193/16752	1946/4282	1.13	15-617-35	58	114
				2773/6101	1.68		2619/5762	1.67	15-618-35	59	115
15	20	20	315/27342	2773/6101	1.23	262/22742	2619/5762	1.23	20-618-35	59	115
				3880/8536	1.58		3662/8057	1.57	20-619-35	60	116
18.5	25	25	389/33765	2773/6101	1.00	324/28123	2619/5762	1.00	25-618-35	59	115
				3880/8536	1.28		3662/8057	1.27	25-619-35	60	116
22	30	30	462/40102	3880/8536	1.08	385/33418	3662/8057	1.07	30-619-35	60	116

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
43	50 Hz	1500 R.P.M.	35 R.P.M.
	60 Hz	1800 R.P.M.	42 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	5.16/448	180/396	1.00	4.30/373	180/396	1.00	02-608-43	49	105
				340/748	2.50		340/748	2.45	02-609-43	50	106
0.4	1/2	05	10.3/894	340/748	1.25	8.60/746	340/748	1.22	05-609-43	50	106
				550/1210	2.32		550/1210	2.32	05-610-43	51	107
0.75	1	1	19.4/1684	550/1210	1.24	16.1/1397	550/1210	1.24	1-610-43	51	107
				880/1936	2.56		880/1936	2.56	1-611-43	52	108
1.5	2	2	38.7/3359	880/1936	1.28	32.2/2795	880/1936	1.28	2-611-43	52	108
				1150/2530	1.97		1094/2406	1.97	2-613-43	54	110
2.2	3	3		1150/2530	1.34		1094/2406	1.34	3-613-43	54	110
			56.8/4930	1460/3212	1.44	47.3/4106	1380/3036	1.43	3-614-43	55	111
				1600/3520	1.75		1590/3498	1.75	3-615-43	56	112
3.7	5	5	95.5/8289	1600/3520	1.04	79.6/6909	1590/3498	1.04	5-615-43	56	112
				1880/4136	1.83		1776/3907	1.82	5-616-43	57	113
5.5	7.5	8	142/12326	1880/4136	1.23	118/10242	1776/3907	1.22	8-616-43	57	113
				2220/4884	1.69		2087/4592	1.68	8-617-43	58	114
7.5	10	10	194/16839	2220/4884	1.24	161/13975	2087/4592	1.24	10-617-43	58	114
				2983/6567	2.00		2800/6160	1.97	10-618-43	59	115
11	15	15	284/24651	2983/6567	1.36	237/20572	2800/6160	1.34	15-618-43	59	115
				4150/9130	1.86		3910/8602	1.89	15-619-43	60	116
15	20	20	387/33592	2985/6567	1.00	323/28036	2800/6160	1.00	20-618-43	59	115
				4150/9130	1.37		3910/8602	1.39	20-619-43	60	116

*Please select models in the shaded column when a load factor of 1.0 is required as shown on page 8.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torque kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torque kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
15	20	20	387/33592	5150/11330	1.82	323/28036	4897/10773	1.80	20-620-43	61	117
18.5	25	25	477/41404	4150/9130	1.11	398/34546	3910/8602	1.12	25-619-43	60	116
				5150/11330	1.48		4897/10773	1.46	25-620-43	61	117
				6565/14443	2.02		6220/13684	2.00	25-621-43	62	118
22	30	30	568/49302	5150/11330	1.24	473/41056	4897/10733	1.23	30-620-43	61	117
				6565/14443	1.70		6220/13684	1.69	30-621-43	62	118
				6910/15202	2.08		6562/14437	2.08	30-622-43	63	119
30	40	40	774/67183	6565/14443	1.24	645/55986	6220/13684	1.24	40-621-43	62	118
				6910/15202	1.52		6562/14437	1.52	40-622-43	63	119
37	50	50	955/82894	6565/14443	1.01	796/69093	6220/13684	1.00	50-621-43	62	118
				6910/15202	1.24		6562/14437	1.24	50-622-43	63	119
45	60	60	1161/100775	6910/15202	1.02	968/84022	6562/14437	1.02	60-622-43	63	119

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
51	50 Hz	1500 R.P.M.	29 R.P.M.
	60 Hz	1800 R.P.M.	35 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torque kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torque kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	6.12/531	340/748	1.80	5.10/443	340/748	1.80	02-609-51	50	106
0.4	1/2	05	12.2/1059	550/1210	1.68	10.2/885	550/1210	1.65	05-610-51	51	107
0.75	1	1	23.0/1996	880/1936	2.21	19.1/1658	880/1936	2.49	1-611-51	52	108
1.5	2	2	45.9/3984	880/1936	1.11	38.2/3316	880/1936	1.25	2-611-51	52	108
				1220/2684	1.67		1150/2530	1.68	2-613-51	54	110
2.2	3	3	67.3/5842	1220/2684	1.14	56.1/4869	1150/2530	1.14	3-613-51	54	110
				1500/3300	1.35		1460/3212	1.34	3-614-51	55	111
				1600/3520	1.51		1600/3520	1.55	3-615-51	56	112
				1990/4378	2.59		1880/4136	2.58	3-616-51	57	113
3.7	5	5	113/9808	1990/4378	1.54	94.4/8194	1880/4136	1.53	5-616-51	57	113
				2340/5148	2.25		2200/4840	2.86	5-617-51	58	114
5.5	7.5	8	168/14582	1990/4378	1.04	140/12152	1880/4136	1.03	8-616-51	57	113
				2340/5148	1.52		2200/4840	1.51	8-617-51	58	114
				3150/6930	2.07		2985/6567	2.07	8-618-51	59	115
7.5	10	10	230/19964	2340/5148	1.11	191/16579	2200/4840	1.11	10-617-51	58	114
				3150/6930	1.52		2985/6567	1.52	10-618-51	59	115
				4400/9680	2.39		4150/9130	2.40	10-619-51	60	116
11	15	15	337/29252	3150/6930	1.04	280/24304	2985/6567	1.04	15-618-51	59	115
				4400/9680	1.63		4150/9130	1.64	15-619-51	60	116
15	20	20	459/39841	4400/9680	1.19	383/33244	4150/9130	1.20	20-619-51	60	116

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
59	50 Hz	1500 R.P.M.	25 R.P.M.
	60 Hz	1800 R.P.M.	31 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torque kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torque kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	7.08/614	340/748	1.65	5.90/512	340/748	1.65	02-609-59	50	106
0.4	1/2	05	14.2/1232	550/1210	1.50	11.8/1024	550/1210	1.52	05-610-59	51	107
				880/1936	3.42		880/1936	3.45	05-611-59	52	108
0.75	1	1	26.6/2309	880/1936	1.83	22.1/1918	880/1936	1.84	1-611-59	52	108
1.5	2	2	53.1/4609	1295/2849	1.43	44.3/3845	1220/2684	1.44	2-613-59	54	110
				1500/3300	1.87		1500/3300	1.89	2-614-59	55	111
2.2	3	3	77.9/6762	1500/3300	1.27	64.9/5633	1500/3300	1.29	3-614-59	55	111
				1600/3520	1.28		1600/3520	1.32	3-615-59	56	112

*Please select models in the shaded column when a load factor of 1.0 is required as shown on page 8.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
2.2	3	3	77.9/6762	2000/4400	2.25	64.9/5633	1985/4367	2.23	3-616-59	57	113
3.7	5	5	131/11371	2090/4400	1.34	109/9461	1985/4367	1.32	5-616-59	57	113
				2490/5478	1.97		2340/5148	1.95	5-617-59	58	114
5.5	7.5	8	195/16926	2490/5478	1.32	162/14062	2340/5148	1.31	8-617-59	58	114
				3330/7326	1.79		3140/6908	1.77	8-618-59	59	115
7.5	10	10	266/23089	3300/7326	1.31	221/190183	3140/6908	1.30	10-618-59	59	115
				4660/10252	2.07		4400/9680	2.07	10-619-59	60	116
11	15	15	389/33765	4660/10252	1.41	325/28210	4400/9680	1.41	15-619-59	60	116
				5700/12540	1.74		5410/11902	1.74	15-620-59	61	117
15	20	20	531/46091	4660/10252	1.03	443/38452	4400/9680	1.03	20-619-59	60	116
				5700/12540	1.27		5410/11902	1.28	20-620-59	61	117
				7265/15983	1.85		4400/9680	1.85	20-621-59	62	118
18.5	25	25	655/56854	5700/12540	1.03	546/47393	5410/11902	1.04	25-620-59	61	117
				7265/15983	1.50		6890/15158	1.50	25-621-59	62	118
				7640/16808	1.80		7250/15950	1.80	25-622-59	63	119
22	30	30	779/67617	7265/15983	1.26	649/56333	6890/15158	1.26	30-621-59	62	118
				7640/16808	1.52		7250/15950	1.51	30-622-59	63	119
30	40	40	1062/92182	7640/16808	1.11	885/76818	7250/15950	1.11	40-622-59	63	119

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
71	50 Hz	1500 R.P.M.	21 R.P.M.
	60 Hz	1800 R.P.M.	25 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	8.52/740	340/748	1.30	7.10/616	340/748	1.30	02-609-71	50	106
				550/1210	2.45		550/1210	2.45	02-610-71	51	107
0.4	1/2	05	17.0/1476	550/1210	1.22	14.2/1232	550/1210	1.22	05-610-71	51	107
				880/1936	2.45		880/1936	2.45	05-611-71	52	108
0.75	1	1	32.0/2778	880/1936	1.31	26.6/2309	880/1936	1.31	1-611-71	52	108
				1000/2200	1.36		1000/2200	1.35	1-612-71	53	109
				1350/2970	2.40		1295/2849	2.43	1-613-71	54	110
1.5	2	2	63.9/5546	1350/2970	1.20	53.2/4618	1295/2849	1.21	2-613-71	54	110
				1500/3300	1.41		1500/3300	1.40	2-614-71	55	111
				1600/3520	1.45		1600/3520	1.45	2-615-71	56	112
				2000/4400	2.73		2000/4400	2.73	2-616-71	57	113
2.2	3	3	93.7/8133	1600/3520	1.00	78.1/6779	1600/3520	1.00	3-615-71	56	112
				2000/4000	1.86		2000/4400	1.86	3-616-71	57	113
3.7	5	5	158/13714	2000/4000	1.10	131/11371	2000/4400	1.11	5-616-71	57	113
				2680/5896	1.62		2490/5478	1.62	5-617-71	58	114
5.5	7.5	8	234/20422	2680/5896	1.09	195/16926	2460/5478	1.09	8-617-71	58	114
				3590/7898	1.34		3330/7326	1.33	8-618-71	59	115
				5020/11044	2.44		4660/10252	2.44	8-619-71	60	116
7.5	10	10	320/27776	3590/7898	1.00	266/23089	3330/7326	1.00	10-618-71	59	115
				5020/11044	1.79		4660/10252	1.79	10-619-71	60	116
11	15	15	469/40709	5020/11044	1.22	391/33939	4660/10252	1.22	15-619-71	60	116

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
87	50 Hz	1500 R.P.M.	17 R.P.M.
	60 Hz	1800 R.P.M.	21 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / l'	S.F.		H	V
0.2	1/4	02	10.4/903	340/748	1.25	8.70/755	340/748	1.20	02-609-87	50	106
				550/1210	2.45		550/1210	2.45	02-610-87	51	107

*Please select models in the shaded column when a load factor of 1.0 is required as shown on page 8.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
87	50 Hz	1500 R.P.M.	17 R.P.M.
	60 Hz	1800 R.P.M.	21 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
0.4	1/2	05	20.9/1814	550/1210	1.22	17.4/1510	550/1210	1.22	05-610-87	51	107
				880/1936	2.33		880/1936	2.33	05-611-87	52	108
0.75	1	1	39.2/3402	880/1936	1.24	32.6/2830	880/1936	1.24	1-611-87	52	108
				1364/3001	1.95		1360/2992	1.96	1-613-87	54	110
1.5	2	2	78.3/6796	1500/3300	1.30	65.2/5659	1500/3300	1.31	2-614-87	55	111
				1600/3520	1.31		1600/3520	1.33	2-615-87	56	112
				2050/4510	2.23		2000/4400	2.23	2-616-87	57	113
2.2	3	3	115/9982	2050/4510	1.52	95.7/8342	2000/4400	1.52	3-616-87	57	113
				2900/6380	2.20		2660/5852	2.20	3-617-87	58	114
3.7	5	5	193/16752	2900/6380	1.31	161/13975	2660/5852	1.31	5-617-87	58	114
				3760/8272	2.03		3540/7788	2.03	5-618-87	59	115
5.5	7.5	8	287/24912	3760/8272	1.34	239/20745	3540/7788	1.34	8-618-87	59	115
				5260/11572	2.13		4950/10890	2.13	8-619-87	60	116
7.5	10	10	392/34026	5260/11572	1.56	326/28297	4950/10890	1.56	10-619-87	60	116
				6600/14520	1.83		6030/13266	1.81	10-620-87	61	117
11	15	15	574/49823	5260/11572	1.06	478/41490	4950/10890	1.06	15-619-87	60	116
				6600/14520	1.24		6030/13266	1.24	15-620-87	61	117
				8410/18502	1.65		7680/16896	1.66	15-621-87	62	118
				8840/19448	1.99		8090/17798	1.99	15-622-87	63	119
15	15	20	783/67964	8410/18502	1.22	652/56594	7680/16896	1.21	20-621-87	62	118
				8840/19448	1.46		8090/17798	1.46	20-622-87	63	119
18.5	20	25	966/83849	8840/19448	1.18	805/69874	8090/17798	1.18	25-622-87	63	119

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
104 (13 x 8)	50 Hz	1500 R.P.M.	14 R.P.M.
	60 Hz	1800 R.P.M.	17 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
0.2	1/4	02	10.1/877	340/748	<1.0	9.48/823	340/748	1.05	02-609/08-104	70	126
			11.4/990	550/1210	1.80	9.48/823	550/1210	1.91	02-610/08-104	71	127
0.4	1/2	05	20.5/1779	550/1210	<1.0	18.7/1625	550/1210	1.06	05-610/08-104	71	127
			22.7/1970	880/1936	1.00	19.0/1649	880/1936	1.02	05-611/08-104	72	128
			22.7/1970	880/1936	2.10	19.0/1649	880/1936	2.42	05-611/09-104	73	129
0.75	1	1	42.6/3724	880/1936	1.12	35.5/3081	880/1936	1.29	1-611/09-104	73	129
			42.6/3724	1365/3003	1.80	35.5/3081	1365/3003	2.16	1-613/10-104	76	132
1.5	2	2	77.0/6684	1365/3003	<1.0	71.1/6171	1365/3003	1.08	2-613/10-104	76	132
			85.3/7404	2050/4510	1.61	71.1/6171	2050/4510	2.25	2-616/10-104	81	137
2.2	3	3	77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	3-613/10-104	76	132
			103/8940	1500/3300	<1.0	102/8854	1500/3300	<1.0	3-614/10-104	79	135
			125/10850	2050/4510	1.46	104/9027	2050/4510	1.74	3-616/11-104	82	138
3.7	5	5	183/15884	2050/4510	<1.0	175/15190	2050/4510	1.04	5-616/11-104	82	138
			210/18228	2900/6380	1.32	175/15190	2900/6380	1.38	5-617/11-104	85	141
5.5	7.5	8	278/24130	2900/6380	<1.0	241/20919	2900/6380	<1.0	8-617/11-104	85	141
			313/27168	3800/8360	1.28	260/22568	3800/8360	1.54	8-618/13-104	87	143
7.5	10	10	400/34720	3800/8360	<1.0	355/30814	3800/8360	1.13	10-618/13-104	87	143
			426/36977	5300/11660	1.33	355/30814	5300/11660	1.41	10-619/13-104	89	145

*Please select models in the shaded column when a load factor of 1.0 is required as shown on page 8.

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
119	50 Hz	1500 R.P.M.	13 R.P.M.
	60 Hz	1800 R.P.M.	15 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
0.2	1/4	02	14.6/1267	550/1210	1.25	12.2/1059	550/1210	1.20	02-610-119	51	107

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
121 (11 x 11)	50 Hz	1500 R.P.M.	12 R.P.M.
	60 Hz	1800 R.P.M.	15 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	10.1/877	340/748	<1.0	10.2/885	340/748	<1.0	02-609/08-121	70	126
			13.2/1146	550/1210	1.55	11.0/955	550/1210	1.90	02-610/08-121	71	127
0.4	1/2	05	20.5/1779	550/1210	<1.0	21.1//1831	550/1210	<1.0	05-610/08-121	71	127
			26.4/2292	880/1936	1.00	22.0/1910	880/1936	1.00	05-611/08-121	72	128
			26.4/2292	880/1936	1.90	22.0/1910	880/1936	2.12	05-611/09-121	73	129
0.75	1	1	49.6/4305	880/1936	1.01	41.3/3585	880/1936	1.13	1-611/09-121	73	129
			49.6/4305	1370/3014	1.41	41.3/3585	1365/3003	1.63	1-613/09-121	75	131
1.5	2	2	77.0/6684	1370/3014	<1.0	77.0/6684	1365/3003	<1.0	2-613/10-121	76	132
			96.0/8333	1500/3300	<1.0	82.7/7178	1500/3300	1.16	2-614/10-121	79	135
			99.2/8610	2100/4620	1.71	82.7/7178	2050/4510	2.05	2-616/10-121	81	137
2.2	3	3	96.0/8333	1500/3300	<1.0	96.2/8350	1500/3300	<1.0	3-614/10-121	79	135
			146/12673	2100/4620	1.26	121/10503	2050/4510	1.50	3-616/11-121	82	138
			146/12673	2950/6490	1.75	121/10503	2900/6380	2.11	3-617/11-121	85	141
3.7	5	5	183/15884	2100/4620	<1.0	182/15798	2050/4510	<1.0	5-616/11-121	82	138
			245/21266	2950/6490	1.04	204/17707	2900/6380	1.25	5-617/11-121	85	141
			245/21266	3800/8360	1.37	204/17707	3800/8360	1.65	5-618/13-121	87	143
5.5	7.5	8	255/22134	2950/6490	<1.0	256/22221	2900/6380	<1.0	8-617/11-121	85	141
			335/29078	3950/8690	<1.0	303/26300	3800/8360	1.11	8-618/13-121	87	143
			364/31595	5300/11660	1.56	303/26300	5300/11660	1.75	8-619/13-121	89	145
7.5	10	10	496/43053	5300/11660	1.15	413/35848	5300/11660	1.28	10-619/13-121	89	145
			496/43053	7100/15620	1.16	413/35848	6650/14630	1.32	10-620/13-121	91	147
			496/43053	8850/19470	1.48	413/35848	8470/18634	1.72	10-621/16-121	93	149
11	15	15	728/63190	8850/19470	1.01	606/52601	8470/18634	1.17	15-621/16-121	93	149
			728/63190	10450/22990	1.32	606/52601	8910/19600	1.47	15-622/17-121	95	151
15	20	20	960/83328	10450/22990	<1.0	827/71784	8910/19600	1.10	20-622/17-121	95	151
			992/86106	12500/27500	1.15	827/71784	11100/24420	1.30	20-623/16-121	96	152
			992/86106	14100/31020	1.43	827/71784	12400/27280	1.72	20-624/18-121	99	155
18.5	25	25	960/83328	10450/22990	<1.0	910/78988	8930/19646	<1.0	25-622/17-121	95	151
			1120/97216	12500/27500	<1.0	1020/88536	11150/24530	1.09	25-623/18-121	97	153
			1224/106243	14100/31020	1.15	1020/88536	12450/27390	1.38	25-624/18-121	99	155
			1224/106243	17105/37631	1.47	1020/88536	15100/33220	1.48	25-625/19-121	101	157
22	30	30	1120/97216	12500/27500	<1.0	1110/96459	11150/24530	<1.0	30-623/18-121	97	153
			1410/122388	14100/31020	<1.0	1213/105288	12450/27390	1.16	30-624/18-121	99	155
			1455/126294	17105/37631	1.24	1213/105288	15100/33220	1.50	30-625/19-121	101	157
30	40	40	1800/156240	17105/37631	<1.0	1653/143480	15100/33220	1.10	40-625/19-121	101	157
			1984/172211	20900/45980	1.21	1653/143480	18450/40599	1.43	40-626/19-121	102	158
37	50	50	2400/208320	20900/45980	< 1.0	2040/177072	18450/40590	1.16	50-626/19-121	102	158

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
143 (13 x 11)	50 Hz	1500 R.P.M.	10 R.P.M.
	60 Hz	1800 R.P.M.	13 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	10.9/946	340/748	<1.0	11.2/972	340/748	<1.0	02-609/08-143	70	126
			15.6/1354	550/1210	1.30	13.0/1128	550/1210	1.70	02-610/08-143	71	127
0.4	1/2	05	31.3/2717	880/1936	1.00	26.0/2257	880/1936	1.00	05-611/08-143	72	128
			31.3/2717	880/1936	1.62	26.0/2257	880/1936	1.93	05-611/09-143	73	129
0.75	1	1	51.0/4427	880/1936	<1.0	48.8/4236	880/1936	1.03	1-611/09-143	73	129
			58.6/5086	1365/3003	1.31	48.8/4236	1365/3003	1.57	1-613/09-143	75	131
1.5	2	2	77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	2-613/10-143	76	132
			103/8940	1500/3300	<1.0	97.7/8480	1500/3300	1.04	2-614/10-143	79	135
			117/10156	2050/4510	1.56	97.7/8480	2050/4510	1.84	2-616/10-143	81	137

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
143 (13 x 11)	50 Hz	1500 R.P.M.	10 R.P.M.
	60 Hz	1800 R.P.M.	13 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
2.2	3	3	172/14930	2050/4510	1.06	143/12412	2050/4510	1.25	3-616/10-143	81	137
			172/14930	2050/4510	1.06	143/12412	2050/4510	1.27	3-616/11-143	82	138
			172/14930	2900/6380	1.62	143/12412	2900/6380	1.92	3-617/11-143	85	141
3.7	5	5	183/15884	2050/4510	<1.0	182/15798	2050/4510	<1.0	5-616/11-143	82	138
			278/24130	2900/6380	<1.0	241/20919	2900/6380	1.14	5-617/11-143	85	141
			289/25085	3900/8580	1.39	241/20919	3800/8360	1.66	5-618/13-143	87	143
5.5	7.5	8	401/34807	3900/8580	<1.0	358/31074	3800/8360	1.12	8-618/13-143	87	143
			430/37324	5300/11660	1.42	358/31074	5300/11660	1.59	8-619/13-143	89	145
7.5	10	10	586/50865	5300/11660	1.04	488/42358	5300/11660	1.17	10-619/13-143	89	145

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
165 (15 x 11)	50 Hz	1500 R.P.M.	9.1 R.P.M.
	60 Hz	1800 R.P.M.	11 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	13.0/1128	340/748	<1.0	12.7/1104	340/748	<1.0	02-609/08-165	70	126
			18.0/1562	550/1210	1.45	15.0/1302	550/1210	1.70	02-610/08-165	71	127
0.4	1/2	05	26.0/2257	550/1210	<1.0	26.0/2257	550/1210	<1.0	05-610/08-165	71	127
			36.1/3133	880/1936	1.00	30.1/2613	880/1936	1.00	05-611/08-165	72	128
			36.1/3133	880/1936	1.40	30.1/2613	880/1936	1.70	05-611/09-165	73	129
0.75	1	1	51.0/4427	880/1936	<1.0	51.0/4427	880/1936	<1.0	1-611/09-165	73	129
			67.6/5868	1365/3003	1.13	56.4/4896	1365/3003	1.36	1-613/09-135	75	131
			67.6/5868	1500/3300	1.36	56.4/4896	1500/3300	1.61	1-614/09-165	78	134
1.5	2	2	77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	2-613/10-165	76	132
			103/8940	1500/3300	<1.0	103/8940	1500/3300	<1.0	2-614/10-165	79	135
			135/11718	2050/4510	1.35	113/9808	2050/4510	1.61	2-616/10-165	81	137
2.2	3	3	183/15903	2050/4510	<1.0	165/14322	2050/4510	1.10	3-616/10-165	81	137
			198/17186	2900/6380	1.16	165/14322	2900/6380	1.39	3-617/10-165	84	140
			198/17186	2900/6380	1.40	165/14322	2900/6380	1.59	3-617/11-165	85	141
3.7	5	5	278/24130	2900/6380	<1.0	263/22828	2900/6380	<1.0	5-617/11-165	85	141
			334/28991	3900/8580	1.23	278/24130	3850/8470	1.47	5-618/13-165	87	143
			334/28991	5300/11660	1.83	278/24130	5300/11660	2.05	5-619/13-165	89	145
5.5	7.5	8	410/35588	3900/8580	<1.0	410/35588	3850/8470	<1.0	8-618/13-165	87	143
			496/43053	5300/11660	1.23	413/35848	5300/11660	1.38	8-619/13-165	89	145
7.5	10	10	610/52948	5300/11660	<1.0	564/48955	5300/11660	1.01	10-619/13-165	89	145
			677/58764	7050/15510	1.03	564/48955	7050/15510	1.19	10-620/13-165	91	147
			677/58764	8810/19382	1.26	564/48955	8780/19316	1.32	10-621/13-165	92	148
11	15	15	855/74214	8810/19382	<1.0	827/71784	8780/19316	1.03	15-621/16-165	93	149
			992/86106	10400/22880	1.11	827/71784	9950/21890	1.33	15-622/17-165	95	151
			992/86106	12900/28380	1.41	827/71784	12200/26840	1.64	15-623/16-165	96	152
15	20	20	1100/95480	10400/22880	<110	1100/95480	9950/21890	<1.0	20-622/17-165	95	151
			1353/117440	12900/28380	1.03	1127/97824	12200/26840	1.21	20-623/16-165	96	152
			1353/117440	14400/31680	1.21	1127/97824	13600/29920	1.21	20-624/16-165	98	154
18.5	25	25	1400/121520	12900/28380	<1.0	1360/18048	12200/26840	<1.0	25-623/18-165	97	153
			1669/144869	14400/31680	1.09	1390/120652	13600/29920	1.30	25-624/18-165	99	155
			1669/144869	17600/38720	1.38	1390/120652	16600/36520	1.73	25-625/19-165	101	157
22	30	30	1400/121520	12900/28380	<1.0	1360/118048	12200/26840	<1.0	30-623/18-165	97	153
			1810/157108	14400/31680	<1.0	1654/143567	13600/29920	1.10	30-624/18-165	99	155
			1984/172211	17600/38720	1.16	1654/143567	16600/36520	1.45	30-625/19-165	101	157
			1984/172211	21400/47080	1.54	1654/143567	20350/44770	1.77	30-626/19-165	102	158
30	40	40	2300/199640	17600/38720	<1.0	2255/195734	16600/36520	1.07	40-625/19-165	101	157
			2706/234881	21400/47080	1.13	2255/195734	20350/44770	1.30	40-626/19-165	102	158
37	50	50	3050/264740	21400/47080	<1.0	2781/241391	20350/44770	1.05	50-626/19-165	102	158

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
195 (15 x 13)	50 Hz	1500 R.P.M.	7.7 R.P.M.
	60 Hz	1800 R.P.M.	9.2 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	21.3/1849	550/1210	1.20	17.8/1545	550/1210	1.45	02-610/08-195	71	127
			21.3/1849	880/1936	2.00	17.8/1545	8801936	2.00	02-611/08-195	72	128
0.4	1/2	05	26.0/2257	550/1210	<1.0	26.0/2257	550/1210	<1.0	05-610/08-195	71	127
			42.6/3698	880/1936	1.00	35.5/3081	880/1936	1.00	05-611/08-195	72	128
			42.6/3698	880/1936	1.20	35.5/3081	880/1936	1.42	05-611/09-195	73	129
			42.6/3698	1365/3003	1.72	35.5/3081	1365/3003	2.18	05-613/09-195	75	131
0.75	1	1	51.0/4427	880/1936	<1.0	51.0/4427	880/1936	<1.0	1-611/09-195	73	129
			77.0/6684	1365/3003	<1.0	66.6/5781	1365/3003	1.16	1-613/09-195	75	131
			80.0/6944	1500/3300	1.29	66.6/5781	1500/3300	1.55	1-614/10-195	79	135
1.5	2	2	103/8940	1500/3300	<1.0	103/8940	1500/3300	<1.0	2-614/10-195	79	135
			160/13888	2050/4510	1.15	133/11544	2050/4510	1.37	2-616/10-195	81	137
			160/13888	2900/6380	1.61	133/11544	2900/6380	1.79	2-617/10-195	84	140
2.2	3	3	183/15884	2050/4510	<1.0	183/15884	2050/4510	<1.0	3-616/10-195	81	137
			234/20311	2900/6380	1.10	195/16926	2900/6380	1.22	3-617/10-195	84	140
			234/20311	2900/6380	1.19	195/16926	2900/6380	1.41	3-617/11-195	85	141
			234/20311	4000/8800	1.75	195/16926	3950/8690	2.10	3-618/13-195	87	143
3.7	5	5	278/24130	2900/6380	<1.0	278/24130	2900/6360	<1.0	5-617/11-195	85	141
			394/34199	4000/8800	1.04	329/28557	3950/8690	1.25	5-618/13-195	87	143
			394/34199	5400/11880	1.29	329/28557	5300/11660	1.52	5-619/11-195	88	144
5.5	7.5	8	410/35588	4000/8800	<1.0	410/35588	3800/8360	<1.0	8-618/13-195	87	143
			586/50865	5400/11880	1.11	488/42358	5300/11660	1.25	8-619/13-195	89	145
			586/50865	8000/17600	1.18	488/42358	7050/15510	1.42	8-620/13-195	91	147
			586/50865	8800/19360	1.46	488/42358	8800/19360	1.72	8-621/13-195	92	148
7.5	10	10	650/56420	5400/11880	<1.0	610/52948	5300/11660	<1.0	10-619/13-195	89	145
			695/60326	8000/17600	<1.0	666/57809	7050/15510	1.04	10-620/13-195	91	147
			800/69440	8800/19360	1.07	666/57809	8800/19360	1.26	10-621/13-195	92	148
			800/69440	10900/23980	1.26	666/57809	10300/22660	1.30	10-622/13-195	94	150
11	15	15	855/74214	8800/19360	<1.0	850/73780	8800/19360	<1.0	15-621/16-195	93	149
			1100/95480	10900/23980	<1.0	977/84804	10300/22660	1.14	15-622/17-195	95	151
			1172/101730	13800/30360	1.19	977/84804	12800/28160	1.44	15-623/16-195	96	152
			1172/101730	15300/30360	1.54	977/84804	14300/31460	1.58	15-624/16-195	98	154
15	20	20	1100/95480	10900/23980	<1.0	1120/97216	10300/22660	<1.0	20-622/17-195	95	151
			1400/121520	13800/30360	<1.0	1332/115618	12800/28160	1.06	20-623/16-195	96	152
			1599/138793	15300/33660	1.13	1332/115618	14300/31460	1.16	20-624/16-195	98	154
			1599/138793	19100/42020	1.44	1332/115618	17500/38500	1.76	20-625/17-195	100	156
18.5	25	25	1810/157108	15300/33600	<1.0	1643/142612	14300/31460	1.16	25-624/18-195	99	155
			1972/171170	19100/42020	1.17	1643/142612	17500/38500	1.32	25-625/17-195	100	156
			1972/171170	23200/51040	1.55	1643/142612	21300/46860	1.85	25-626/19-195	102	158
22	30	30	1810/157108	15300/33660	<1.0	1810/157108	14300/31460	<1.0	30-624/18-195	99	155
			2300/199640	19100/42020	<1.0	1954/169607	17500/38500	1.20	30-625/17-195	100	156
			2345/203546	23200/51040	1.30	1954/169607	21300/46800	1.58	30-626/19-195	102	158
30	40	40	3050/264740	23200/51040	<1.0	2665/231322	21300/46860	1.16	40-626/19-195	102	158

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
231 (21 x 11)	50 Hz	1500 R.P.M.	6.5 R.P.M.
	60 Hz	1800 R.P.M.	7.8 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	25.2/2189	550/1210	1.01	21.5/1868	550/1210	1.20	02-610/08-231	71	127
			26.0/2259	880/1936	1.96	21.6/1877	880/1936	1.89	02-611/08-231	72	128
0.4	1/2	05	52.1/4527	880/1936	1.01	43.1/3745	880/1936	1.02	05-611/08-231	72	128
			52.5/4562	1365/3003	1.51	43.3/3763	1365/3003	1.81	05-613/09-231	75	131

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
231 (21 x 11)	50 Hz	1500 R.P.M.	6.5 R.P.M.
	60 Hz	1800 R.P.M.	7.8 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.75	1	1	51.0/4427	880/1936	<1.0	51.0/4427	880/1936	<1.0	1-611/09-231	73	129
			77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	1-613/09-231	75	131
			94.7/8221	1500/3300	1.09	78.9/6848	1500/3300	1.29	1-614/09-231	78	134
			94.7/8221	2050/4510	1.53	78.9/6848	2050/4510	1.77	1-616/09-231	80	136
1.5	2	2	183/15884	2050/4510	<1.0	158/13714	2050/4510	1.16	2-616/10-231	81	137
			189/16405	2900/6380	1.47	158/13714	2900/6380	1.76	2-617/10-231	84	140
2.2	3	3	278/24130	2900/6380	1.00	232/20138	2900/6380	1.20	3-617/10-231	84	140
			278/24130	4000/8800	1.13	232/20138	4000/8800	1.27	3-618/10-231	86	142
			278/24130	4000/8800	1.48	232/20138	4000/8800	1.77	3-618/13-231	87	143
3.7	5	5	278/24130	2900/6380	<1.0	278/24130	2900/6380	<1.0	5-617/11-231	85	141
			410/35588	4000/8800	<1.0	389/33765	4000/8800	1.05	5-618/13-231	87	143
			467/41104	5400/11880	1.20	389/33765	5400/11880	1.35	5-619/11-231	88	144
			467/41104	5400/11880	1.56	389/33765	5400/11880	1.84	5-619/13-231	89	145
5.5	7.5	8	694/60239	5400/11880	1.05	579/50257	5400/11880	1.23	8-619/13-231	89	145
			694/60239	8000/17600	1.05	579/50257	8000/17600	1.26	8-620/13-231	91	147
			694/60239	8800/19360	1.39	579/50257	8800/19360	1.66	8-621/13-231	92	148
7.5	10	10	730/83364	7000/17600	<1.0	735/63364	8000/17600	<1.0	10-620/13-231	91	147
			947/82200	8800/19360	1.02	790/69259	8800/19360	1.22	10-621/13-231	92	148
			947/82200	11900/26180	1.32	798/69349	10900/23980	1.32	10-622/13-231	94	150
11	15	15	965/83762	8800/19360	<1.0	968/84022	8800/19360	<1.0	15-621/16-231	93	149
			1275/110670	11900/26180	<1.0	1158/100514	10900/23980	1.08	15-622/17-231	95	151
			1389/120565	14000/30800	1.14	1158/100514	13800/30360	1.31	15-623/16-231	96	152
			1389/120565	16000/35200	1.45	1158/100514	15300/33660	1.65	15-624/16-231	98	154
15	20	20	1590/138012	14000/30800	<1.0	1520/131936	13800/30360	<1.0	20-623/16-231	96	152
			1894/164399	16000/35200	1.07	1578/136970	15300/33660	1.21	20-624/16-231	98	154
			1894/164399	19400/42680	1.40	1578/136970	19100/42020	1.68	20-625/17-231	100	156
18.5	25	25	2050/177940	16000/35200	<1.0	1947/169000	15300/33660	1.03	25-624/18-231	99	155
			2336/202765	19400/42680	1.14	1947/169000	19100/42020	1.36	25-625/17-231	100	156
			2336/202765	23700/52140	1.48	1947/169000	23200/51040	1.70	25-626/19-231	102	158
22	30	30	2050/177940	16000/35200	<1.0	2000/173600	15300/33660	<1.0	30-624/18-231	99	155
			2050/230020	19400/42680	<1.0	2315/200942	19100/42020	1.14	30-625/17-231	100	156
			2778/241130	23700/52140	1.24	2315/200942	23200/51040	1.43	30-626/19-231	102	158
30	40	40	2650/230020	19400/42680	<1.0	2650/230020	19100/42020	<1.0	40-625/19-231	101	157
			3460/300328	23700/52140	<1.0	3157/274028	23200/51040	1.05	40-626/19-231	102	158
37	50	50	3460/300328	23700/52140	<1.0	3304/286787	23200/51040	<1.0	50-626/19-231	102	158

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
273 (21 x 13)	50 Hz	1500 R.P.M.	5.5 R.P.M.
	60 Hz	1800 R.P.M.	6.6 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	26.0/2257	550/1210	<1.0	24.9/2161	550/1210	1.05	02-610/08-273	71	127
			29.8/2578	880/1936	1.70	24.9/2161	880/1936	2.00	02-611/08-273	72	128
0.4	1/2	05	51.0/4427	880/1936	<1.0	49.7/4314	880/1936	1.00	05-611/08-273	72	128
			60.0/5208	1365/3003	1.30	49.7/4314	1365/3003	1.55	05-613/09-273	75	131
0.75	1	1	77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	1-613/09-273	75	131
			103/8940	1500/3300	<1.0	93.3/8098	1500/3300	1.09	1-614/10-273	79	135
			112/9722	2050/4510	1.64	93.3/8098	2050/4510	1.96	1-616/10-273	81	137
1.5	2	2	183/15884	2050/4510	<1.0	183/15884	2050/4510	<1.0	2-616/10-273	81	137
			224/19443	2900/6380	1.24	186/16145	2900/6380	1.49	2-617/10-273	84	140
			224/19443	4000/8800	1.80	186/16145	4000/8800	1.78	2-618/10-273	86	142

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
273 (21 x 13)	50 Hz	1500 R.P.M.	5.5 R.P.M.
	60 Hz	1800 R.P.M.	6.6 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
			278/24130	2900/6380	<1.0	274/23783	2900/6380	1.02	3-617/10-273	84	140
2.2	3	3	338/29338	4000/8800	1.23	274/23783	4000/8800	1.21	3-618/10-273	86	142
			338/29338	4000/8800	1.25	274/23783	4000/8800	1.50	3-618/13-273	87	143
			410/35588	4000/8800	<1.0	410/35588	4000/8800	<1.0	5-618/13-273	87	143
3.7	5	5	552/47914	5400/11880	1.05	460/39928	5400/11880	1.17	5-619/11-273	88	144
			552/47914	5400/11880	1.32	460/39928	5400/11880	1.59	5-619/13-273	89	145
			730/63364	5400/11880	<1.0	684/59371	5400/11880	1.07	8-619/13-273	89	145
5.5	7.5	8	821/71263	8800/19360	1.18	684/59371	8800/19360	1.42	8-621/13-273	92	148
			821/71263	12000/26400	1.55	684/59371	11900/26180	1.71	8-622/13-273	94	150
			965/83762	8800/19360	<1.0	933/80984	8800/19360	1.04	10-621/13-273	92	148
7.5	10	10	1119/97129	12000/26400	1.14	933/80984	11900/26180	1.36	10-622/17-273	95	151
			1119/97129	15000/33000	1.44	933/80984	14000/30800	1.69	10-623/16-273	96	152
			1275/110670	12000/26400	<1.0	1268/110062	11900/26180	<1.0	15-622/17-273	95	151
11	15	15	1620/140616	15000/33000	<1.0	1368/118742	14000/30800	1.15	15-623/16-273	96	152
			1642/142526	16700/36740	1.24	1368/118742	16000/35200	1.47	15-624/16-273	98	154
			2050/177940	16700/36740	<1.0	1865/161882	16000/35200	1.08	20-624/16-273	98	154
15	20	20	2239/194345	20400/44880	1.19	1965/161882	19400/42680	1.42	20-625/17-273	100	156
			2239/194345	24900/54780	1.56	1965/161882	23700/52140	1.86	20-626/19-273	102	158
18.5	25	25	2650/230020	20400/44880	<1.0	2325/202042	19400/42680	1.15	25-625/17-273	100	156
			2761/239655	24900/54780	1.26	2330/202477	23700/52140	1.51	25-626/19-273	102	158
22	30	30	2650/230020	20400/44880	<1.0	2650/230020	19400/42680	1.0	30-625/17-273	100	156
			3283/284964	24900/54780	1.06	2736/237485	23700/52140	1.27	30-626/19-273	102	158
30	40	40	3500/303800	24900/54780	<1.0	3470/301196	23700/52140	1.0	40-626/19-273	102	158

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
319 (29 x 11)	50 Hz	1500 R.P.M.	4.7 R.P.M.
	60 Hz	1800 R.P.M.	5.6 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
0.2	1/4	02	26.0/2257	550/1210	<1.0	26.0/2257	550/1210	<1.0	02-610/08-319	71	127
			34.9/3029	880/1936	1.45	29.1/2526	880/1936	1.75	02-611/08-319	72	128
			51.0/4427	880/1936	<1.0	51.0/4427	880/1936	<1.0	05-611/08-319	72	128
0.4	1/2	05	69.8/6059	1365/3003	1.10	58.1/5043	1365/3003	1.32	05-613/09-319	75	131
			69.8/6059	1500/3300	1.48	58.1/5043	1500/3300	1.78	05-614/09-319	78	134
			77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	1-613/09-319	75	131
0.75	1	1	103/8940	1500/3300	<1.0	103/8940	1500/3300	<1.0	1-614/09-319	78	134
			131/11371	2050/4510	1.40	109/9461	2050/4510	1.65	1-616/09-319	80	136
			183/15884	2050/4510	<1.0	183/15884	2050/4510	<1.0	2-616/10-319	81	137
1.5	2	2	262/22742	2900/6380	1.06	218/18922	2900/6380	1.23	2-617/10-319	84	140
			262/22742	4000/8800	1.57	218/18922	4000/8800	1.75	2-618/10-319	86	142
			278/24130	2900/6380	<1.0	269/23349	2900/6380	<1.0	3-617/10-319	84	140
			278/24130	2900/6380	<1.0	278/24130	2900/6380	<1.0	3-617/11-319	85	141
2.2	3	3	384/33331	4000/8800	1.07	320/27776	4000/8800	1.20	3-618/10-319	86	142
			384/33331	4000/8800	1.07	320/27776	4000/8800	1.28	3-618/13-319	87	143
			384/33331	5400/11880	1.62	320/27776	5400/11880	1.69	3-619/11-319	88	144
			410/35588	4000/8800	<1.0	410/35588	4000/8800	<1.0	5-618/13-319	87	143
3.7	5	5	645/55986	5400/11880	1.13	538/46698	5400/11880	1.31	5-619/13-319	89	145
			645/55986	8800/19360	1.49	538/46698	8800/19360	1.79	5-621/13-319	92	148
			730/63364	5400/11880	<1.0	703/61020	5400/11886	<1.0	8-619/13-319	89	145
5.5	7.5	8	959/83241	8800/19360	1.04	799/69353	8800/19360	1.21	8-621/13-319	92	148
			959/83241	12300/27060	1.33	799/69353	12000/26400	1.55	8-622/13-319	94	150
7.5	10	10	965/83762	8800/19360	<1.0	965/83762	8800/19360	<1.0	10-621/13-319	92	148
			1275/110670	12300/27060	<1.0	1090/94612	12000/26400	1.13	10-622/13-319	94	150

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

MOTOR KW	MOTOR HP	MOTOR SYMBOL	50Hz Output Torgue kg·m/in·lb	50Hz Allowable Output Shaft Overhung load kg/lb	50Hz S.F.	60Hz Output Torgue kg·m/in·lb	60Hz Allowable Output Shaft Overhung load kg/lb	60Hz S.F.	TRANSCYKO MODEL	Dimension page H	Dimension page V
7.5	10	10	1308/113534	15400/33880	1.20	1090/94612	15000/33000	1.39	10-623/16-319	96	152
11	15	15	1275/110670	12300/27060	<1.0	1238/107458	12000/26400	<1.0	15-622/17-319	95	151
			1570/136276	15400/33880	<1.0	1511/131155	15000/33000	<1.0	15-623/16-319	96	152
			1918/166482	17000/37400	1.05	1600/138880	16700/36740	1.19	15-624/16-319	98	154
			1918/166482	21000/46200	1.38	1600/138880	20400/44880	1.65	15-625/17-319	100	156
15	20	20	2030/176204	17000/37400	<1.0	1970/170996	16700/36740	<1.0	20-624/18-319	99	155
			2616/227069	21000/46200	1.01	2200/190960	20400/44880	1.21	20-625/17-319	100	156
			2616/227069	25700/56540	1.34	2200/190960	24900/54780	1.53	20-626/19-319	102	158
18.5	25	25	2650/230020	21000/46200	<1.0	2650/230020	20300/44660	<1.0	25-625/17-319	100	156
			3226/280017	25700/56540	1.09	2688/233318	24900/54780	1.24	25-626/19-319	102	158
			3226/280017	20000/44000	1.83	2688/233318	20000/44000	2.05	25-627/19-319	103	159
22	30	30	3500/303800	25700/56540	<1.0	3197/277500	24900/54780	1.04	30-626/19-319	102	158
			3836/332965	20000/44000	1.54	3197/277500	20000/44000	1.72	30-627/19-319	103	159
30	40	40	5300/460570	20000/44000	1.13	4360/378448	20000/44000	1.26	40-627/19-319	103	159
37	50	50	5900/512120	20000/44000	<1.0	5377/466724	20000/44000	1.02	50-627/19-319	103	159

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
377 (29 x 13)	50 Hz	1500 R.P.M.	4.0 R.P.M.
	60 Hz	1800 R.P.M.	4.8 R.P.M.

MOTOR KW	MOTOR HP	MOTOR SYMBOL	50Hz Output Torgue kg·m/in·lb	50Hz Allowable Output Shaft Overhung load kg/lb	50Hz S.F.	60Hz Output Torgue kg·m/in·lb	60Hz Allowable Output Shaft Overhung load kg/lb	60Hz S.F.	TRANSCYKO MODEL	Dimension page H	Dimension page V
0.2	1/4	02	26.0/2257	550/1210	<1.0	25.8/2242	550/1210	<1.0	02-610/08-377	71	127
			41.2/3576	880/1936	1.25	35.0/3042	880/1936	1.50	02-611/08-377	72	128
0.4	1/2	05	51.0/4427	880/1936	<1.0	51.5/4475	880/1936	<1.0	05-611/08-377	72	128
			77.0/6684	1365/3003	<1.0	69.1/6005	1365/3003	1.12	05-613/09-377	75	131
			82.4/7152	1500/3300	1.25	69.5/6040	1500/3300	1.50	05-614/09-377	78	134
0.75	1	1	77.0/6684	1365/3003	<1.0	77.5/6735	1365/3003	<1.0	1-613/09-377	75	131
			103/8940	1500/3300	<1.0	104/9038	1500/3300	<1.0	1-614/09-377	78	134
			154/13367	2050/4510	1.19	135/11732	2050/4510	1.41	1-616/09-377	80	136
			154/13367	2900/6380	1.80	135/11732	2900/6380	2.16	1-617/10-377	84	140
1.5	2	2	183/15884	2050/4510	<1.0	183/15903	2050/4510	<1.0	2-616/10-377	81	137
			278/24130	2900/6380	<1.0	265/23028	2900/6380	1.08	2-617/10-377	84	140
			309/26821	4000/8800	1.33	265/23028	4000/8800	1.59	2-618/10-377	86	142
2.2	3	3	410/35588	4000/8800	<1.0	385/33456	4000/8800	1.07	3-618/10-377	86	142
			453/39320	5400/11880	1.61	385/33456	5400/11880	1.93	3-619/13-377	89	145
3.7	5	5	730/63364	5400/11880	<1.0	645/56050	5400/11880	1.15	5-619/13-377	89	145
			762/66142	8800/19360	1.26	645/56050	8800/19360	1.53	5-621/13-377	92	148
5.5	8	8	730/63364	5400/11880	<1.0	735/63872	5400/11880	<1.0	8-619/13-377	89	145
			965/83762	8800/19360	<1.0	960/83424	8800/19360	1.03	8-621/13-377	92	148
			1134/98431	13200/29040	1.12	960/83424	12300/27060	1.32	8-622/17-377	95	151
			1134/98431	16300/35860	1.43	965/83858	15400/33880	1.65	8-623/16-377	96	152
7.5	10	10	1275/110670	13200/29040	<1.0	1290/112101	12300/27060	<1.0	10-622/17-377	95	151
			1546/134193	16300/35860	1.05	1300/112970	15400/33880	1.21	10-623/16-377	96	152
			1546/134193	18500/40700	1.33	1300/112970	17000/37400	1.55	10-624/16-377	98	154
11	15	15	1620/140616	16300/35860	<1.0	1600/139040	15400/33880	<1.0	15-623/16-377	96	152
			2050/177940	18500/40700	<1.0	1920/166848	17000/37400	1.05	15-624/16-377	98	154
			2267/196776	22000/48400	1.16	1920/166848	21000/46200	1.40	15-625/17-377	100	156
			2267/196776	27300/60060	1.54	1920/166848	25700/56540	1.85	15-626/19-377	102	158
15	20	20	2650/230020	22000/48400	<1.0	2595/225506	21000/46200	1.03	20-625/17-377	100	156
			3091/268299	27300/60060	1.13	2605/226374	25700/56540	1.36	20-626/19-377	102	158
			3091/268299	20000/44000	1.99	2605/226374	20000/40000	2.25	20-627/19-377	103	159
18.5	25	25	3500/303800	27300/60060	<1.0	3210/278949	25700/56540	1.10	25-626/19-377	102	158
			3813/330968	20000/44000	1.61	3215/279384	20000/44000	1.83	25-627/19-377	103	159
22	30	30	3500/303800	27300/60060	<1.0	3520/305888	25700/56540	<1.0	30-626/19-377	102	158
			4534/393551	20000/44000	1.35	3830/332827	20000/44000	1.54	30-627/19-377	103	159
30	40	40	6150/533820	20000/44000	<1.0	5220/453618	20000/44000	1.13	40-627/19-377	103	159

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
473 (43 x 11)	50 Hz	1500 R.P.M.	3.2 R.P.M.
	60 Hz	1800 R.P.M.	3.8 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	51.7/4488	880/1936	1.00	43.1/3741	880/1936	1.20	02-611/08-473	72	128
			51.7/4488	1350/2970	1.50	43.1/3741	1365/3003	1.80	02-613/08-473	74	130
0.4	1/2	05	51.0/4427	880/1936	<1.0	51.0/4427	880/1936	<1.0	05-611/08-473	72	128
			77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	05-613/08-473	74	130
			103/8940	1500/3300	1.00	86.2/7482	1500/3300	1.20	05-614/09-473	78	134
			103/8940	2050/4510	1.78	86.2/7482	2050/4510	2.12	05-616/09-473	80	136
0.75	1	1	103/8940	1500/3300	<1.0	103/8940	1500/3300	<1.0	1-614/09-473	78	134
			183/15884	2050/4510	<1.0	162/14062	2050/4510	1.13	1-616/09-473	80	136
			194/16839	2900/6380	1.44	162/14062	2900/6380	1.59	1-617/09-473	83	139
1.5	2	2	278/24130	2900/6380	<1.0	277/24044	2900/6380	<1.0	2-617/10-473	84	140
			388/33678	4000/8800	1.05	323/28036	4000/8800	1.27	2-618/10-473	80	142
			388/33678	5400/11880	1.52	323/28036	5400/11880	1.92	2-619/11-473	88	144
2.2	3	3	410/35588	4000/8800	<1.0	410/35588	4000/8800	<1.0	3-618/10-473	86	142
			569/49389	5400/11880	1.04	474/41143	5400/11880	1.31	3-619/11-473	88	144
			569/49389	5400/11880	1.28	474/42143	5400/11880	1.54	3-619/13-473	89	145
3.7	5	5	730/63364	5400/11880	<1.0	730/63364	5400/11880	<1.0	5-619/13-473	89	145
			855/74214	8000/17600	<1.0	797/69180	8000/17600	1.07	5-620/13-473	91	147
			957/83068	8800/19360	1.18	797/69180	8800/19360	1.42	5-621/13-473	92	148
			957/83068	14300/31460	1.50	797/70180	13200/29040	1.79	5-622/13-473	94	150
5.5	7.5	8	855/74214	8000/17600	<1.0	851/73867	8000/1760	<1.0	8-620/13-473	91	147
			1130/98084	8800/19360	<1.0	1130/98084	8800/19360	<1.0	8-621/13-473	92	148
			1422/123430	14300/31460	1.01	1185/102858	13200/29040	1.20	8-622/13-473	94	150
			1422/123430	18000/39600	1.28	1185/102858	16300/35860	1.48	8-623/16-473	96	152
7.5	10	10	1440/124992	14300/31460	<1.0	1429/124037	13200/29040	<1.0	10-622/13-473	94	150
			1825/158410	18000/39600	<1.0	1616/140269	16300/35860	1.09	10-623/16-473	96	152
			1939/168305	19500/42900	1.21	1616/140269	18500/40700	1.43	10-624/16-473	198	154
			1939/168305	24000/52800	1.57	1616/140269	22000/48400	1.89	10-625/17-473	100	156
11	15	15	2350/203980	19500/42900	<1.0	2310/200508	18500/40700	<1.0	15-624/16-473	98	154
			2844/246859	24000/52800	1.07	2370/205716	22000/48400	1.29	15-625/17-473	100	156
			2844/246859	27800/61160	1.45	2370/205716	27300/60060	1.69	15-626/19-473	102	158
15	20	20	3050/264740	24000/52800	<1.0	3050/264740	22000/48400	<1.0	20-625/17-473	100	156
			3879/336697	27800/61160	1.07	3232/280538	27300/60060	1.23	20-626/19-473	102	158
			3879/336697	20000/61820	1.59	3232/280538	20000/44000	1.78	20-627/19-473	103	159
18.5	25	25	4140/359352	27800/61160	<1.0	3986/345985	27300/60060	<1.00	25-626/19-473	102	158
			4784/415251	20000/44000	1.29	3986/355985	20000/44000	1.44	25-627/19-473	103	159
22	30	30	5689/493805	20000/44000	1.08	4740/411432	20000/44000	1.21	30-627/19-473	103	159
30	40	40	6150/533820	20000/44000	<1.0	5753/499360	20000/44000	<1.0	40-627/19-473	103	159

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
559 (43 x 13)	50 Hz	1500 R.P.M.	2.7 R.P.M.
	60 Hz	1800 R.P.M.	3.2 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	51.0/4427	880/1936	<1.0	50.9/4418	880/1936	1.00	02-611/08-559	72	128
			61.1/5303	1365/3003	1.25	50.9/4418	1365/3003	1.50	02-613/08-559	74	130
0.4	1/2	05	77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	05-613/08-559	74	130
			103/8940	1500/3300	<1.0	102/8854	1500/3300	1.00	05-614/08-559	77	133
			122/10590	2050/4510	1.50	102/8854	2050/4510	1.80	05-616/09-559	180	136
0.75	1	1	183/15884	2050/4510	<1.0	183/15884	2050/4510	<1.0	1-616/09-559	80	136
			229/19877	2900/6380	1.21	191/16579	2900/6380	1.41	1-617/09-559	183	139
			229/19877	4000/8800	1.79	191/16579	4000/8800	2.15	1-618/10-559	186	142

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m/in・lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg・m/in・lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
1.5	2	2	278/24130	2900/6380	< 1.0	277/24044	2900/6380	< 1.0	2-617/10-559	84	140
			410/35588	4000/8800	< 1.0	382/33158	4000/8800	1.07	2-618/10-559	86	142
			458/39754	5400/11880	1.33	382/33158	5400/11880	1.56	2-619/11-559	88	144
2.2	3	3	610/52948	5400/11880	< 1.0	560/48608	5400/11880	1.06	3-619/11-559	88	144
			672/58330	5400/11880	1.09	560/48608	5400/11880	1.30	3-619/13-559	89	145
			672/58330	8000/17600	1.27	560/48608	8000/11880	1.50	3-620/13-559	91	147
3.7	5	5	730/63364	5400/11880	< 1.0	730/63364	5400/11760	< 1.0	5-619/13-559	89	145
			855/74214	8000/17600	< 1.0	840/72912	8800/11880	< 1.0	5-620/13-559	91	147
			1131/98171	8800/19360	1.00	942/81766	8800/17600	1.20	5-621/13-559	92	148
			1131/98171	14300/31460	1.27	942/81766	14300/19360	1.52	5-622/13-559	94	150
5.5	7.5	8	1440/124992	14300/31460	< 1.0	1401/121607	14300/31460	1.02	8-622/13-559	94	150
			1681/145911	18000/39600	1.08	1401/121607	18000/39600	1.30	8-623/16-559	96	152
			1681/145911	19500/42900	1.40	1401/121607	19500/42900	1.69	8-624/16-559	98	154
7.5	10	10	1825/158410	18000/39600	< 1.0	1820/157976	18000/39600	< 1.0	10-623/16-559	96	152
			2292/198946	19500/42900	1.02	1910/165788	19500/42900	1.24	10-624/16-559	98	154
			2292/198946	24000/52800	1.33	1910/165788	24000/52800	1.59	10-625/17-559	100	156
11	15	15	3050/264740	24000/52800	< 1.0	2801/243127	24000/52800	1.08	15-625/17-559	100	156
			3361/291735	27800/61160	1.23	2801/243127	27800/61160	1.46	15-626/19-559	102	158
			3361/291735	20000/44000	1.83	2801/243127	20000/44000	2.18	15-627/19-559	103	159
15	20	20	4140/359352	27800/61160	< 1.0	3820/331576	27800/61160	1.07	20-626/19-559	102	158
			4584/397891	20000/44000	1.34	3820/331576	20000/44000	1.60	20-627/19-559	103	159
18.5	25	25	5653/490680	20000/44000	1.09	4711/408915	20000/44000	1.30	25-627/19-559	103	159
22	30	30	6150/533820	20000/40000	< 1.0	5602/486254	20000/44000	1.09	30-627/19-559	103	159

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
649 (59 x 11)	50 Hz	1500 R.P.M.	2.3 R.P.M.
	60 Hz	1800 R.P.M.	2.8 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m/in・lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg・m/in・lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
0.2	1/4	02	51.0/4427	880/1936	<1.0	51.0/4427	880/1936	<1.0	02-611/08-649	72	128
			59.1/6213	1365/3003	1.10	59.1/5130	1365/3003	1.30	02-613/08-649	74	130
			59.1/6274	1500/3300	1.45	59.1/5130	1500/3300	1.75	02-614/08-649	77	133
0.4	1/2	05	77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	05-613/08-649	74	130
			103/8940	1500/3300	<1.0	103/8940	1500/3300	<1.0	05-614/08-649	77	133
			142/12326	2050/4510	1.30	118/10242	2050/4510	1.55	05-616/09-649	80	136
0.75	1	1	183/15884	2050/4510	<1.0	183/15884	2050/4510	<1.0	1-616/09-649	80	136
			266/23089	2900/6380	1.04	222/19270	2900/6380	1.20	1-617/09-649	83	139
			266/23089	4000/8800	1.55	222/19270	4000/8800	1.84	1-618/10-649	86	142
1.5	2	2	278/24130	2900/6380	<1.0	276/23957	2900/6380	<1.0	2-617/10-649	84	140
			410/35588	4000/880	<1.0	408/35588	4000/8800	<1.0	2-618/10-649	86	142
			532/46178	5400/11880	1.19	443/38452	5400/11880	1.37	2-619/11-649	88	144
2.2	3	3	630/54684	5400/11880	<1.0	610/52948	5400/11880	<1.0	3-619/11-649	88	144
			780/67704	8000/17600	1.10	650/56420	8000/17600	1.29	3-620/13-649	91	147
			780/67704	8800/19360	1.44	650/56420	88000/19360	1.74	3-621/13-649	92	148
3.7	5	5	630/54684	5400/1880	<1.0	610/57354	5400/11880	<1.0	5-619/11-649	88	144
			855/74214	800/17600	<1.0	840/72912	8000/17600	<1.0	5-620/13-649	91	147
			1130/98084	8800/19360	<1.0	1094/94959	8800/19360	1.04	5-621/13-649	92	148
			1313/113968	14700/32340	1.10	1094/94959	14300/31460	1.31	5-622/13-649	94	150
			1313/113968	18000/36960	1.39	1094/94959	18000/3960	1.62	5-623/16-649	96	152
5.5	7.5	8	1440/124992	14700/32340	<1.0	1430/124124	14300/31460	<1.0	8-622/13-649	94	150
			1825/158410	18000/39600	<1.0	1626/141137	18000/39600	1.09	8-623/16-649	96	152
			1951/169347	21000/46200	1.20	1626/141137	19500/42900	1.41	8-624/16-649	98	154
			1951/169347	26000/57200	1.56	1626/141137	24000/52800	1.87	8-625/17-649	100	156
7.5	10	10	2350/203980	21000/46200	<1.0	2217/192436	19500/42900	1.04	10-624/16-649	98	154
			2661/230975	26000/57200	1.15	2217/192436	24000/52800	1.37	10-625/17-649	100	156
			2661/230975	27800/61160	1.56	2217/192436	27800/61160	1.80	10-626/19-649	102	158
11	15	15	3050/264740	26000/57200	<1.0	3050/264740	24000/52800	<1.0	15-625/17-649	100	156
			3903/338780	27800/61160	1.06	3252/282274	27800/61160	1.23	15-626/19-649	102	158

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
11	15	15	3903/338780	20000/44000	1.57	3252/282274	20000/44000	1.83	15-627/19-649	103	159
15	20	20	4140/359766	27800/61160	<1.0	4000/347600	27800/61160	<1.0	20-626/19-649	102	159
			5322/461950	20000/44000	1.15	4435/384958	20000/44000	1.34	20-627/19-649	103	159
18.5	25	25	6150/533820	20000/44000	<1.0	5470/474796	20000/44000	1.09	25-627/19-649	103	159
22	30	30	6150/533820	20000/44000	<1.0	5950/516460	20000/44000	<1.0	30-627/19-649	103	159

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
731 (43 x 17)	50 Hz	1500 R.P.M.	2.1 R.P.M.
	60 Hz	1800 R.P.M.	2.5 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	51.0/4427	880/1936	<1.0	51.0/4427	880/1936	<1.0	02-611/08-731	72	128
			79.9/6935	1365/3003	1.00	66.6/5781	1365/3003	1.15	02-613/08-731	74	130
			79.9/6935	1500/3300	1.30	66.6/5781	1500/3300	1.55	02-614/08-731	77	133
0.4	1/2	05	77.0/6684	1365/3003	<1.0	77.1/6684	1365/3003	<1.0	05-613/08-731	74	130
			103/8940	1500/3300	<1.0	102/8854	1500/3300	<1.0	05-614/08-731	77	133
			160/13888	2050/4510	1.15	133/11544	2050/4510	1.38	05-616/09-731	80	136
			160/13888	2900/6380	1.75	133/11544	2900/6380	2.08	05-617/09-731	83	139
0.75	1	1	183/15884	2050/4510	<1.0	183/15884	2050/4510	1.0	1-616/09-731	80	136
			278/24130	2900/6380	<1.0	250/21700	2900/6380	1.11	1-617/09-731	83	139
			300/26040	4000/8800	1.36	250/21700	4000/8800	1.64	1-618/10-731	86	142
1.5	2	2	410/35588	4000/8800	<1.0	410/35588	4000/8800	<1.0	2-618/10-731	86	142
			599/51993	5400/11880	1.13	500/43400	5400/11880	1.26	2-619/11-731	88	144
			599/51993	8000/17600	1.47	500/43400	8000/17600	1.68	2-620/13-731	91	147
2.2	3	3	680/59024	5400/11880	<1.0	631/54771	5400/11880	1.0	3-619/11-731	88	144
			879/76297	8800/19360	1.29	733/63624	8800/19360	1.54	3-621/13-731	92	148
3.7	5	5	855/74214	8000/17600	<1.0	840/72912	8000/17600	1.0	5-620/13-731	91	147
			1130/98084	8800/19360	<1.0	1136/98587	8800/19360	1.0	5-621/13-731	92	148
			1440/124992	14700/32340	<1.0	1232/106938	14500/31900	1.17	5-622/13-731	94	150
			1478/128290	18000/39600	1.24	1232/106938	18000/39600	1.48	5-623/16-731	96	152
5.5	7.5	8	1440/124992	14700/32340	<1.0	1440/124992	14500/31900	1.0	8-622/13-731	94	150
			1825/158410	18000/39600	<1.0	1832/159018	18000/39600	1.00	8-623/16-731	96	152
			2198/190786	21000/46200	1.07	1832/159018	20200/44440	1.29	8-624/16-731	98	154
			2198/190786	26000/57200	1.39	2368/159018	18200/40040	1.66	8-625/17-731	100	156
7.5	10	10	2350/203980	21000/46200	<1.0	2498/205542	20200/44440	1.0	10-624/16-731	98	154
			2997/260140	26000/57200	1.02	2498/216826	25000/55000	1.22	10-625/17-731	100	156
			2997/260140	27800/61160	1.39	2498/216826	27800/61160	1.64	10-626/19-731	102	158
11	15	15	3050/264740	26000/57200	<1.0	3050/264740	26000/57200	1.0	15-625/17-731	100	156
			4140/359352	27800/61160	<1.0	3663/317948	27800/61160	1.12	15-626/19-731	102	158
			4396/381573	20000/44000	1.40	3663/317948	20000/44000	1.67	15-627/19-731	103	159
15	20	20	4140/359352	27800/61160	<1.0	4100/355880	27800/61160	<1.0	20-626/19-731	102	158
			5994/520279	20000/44000	1.03	4995/433566	20000/44000	1.23	20-627/19-731	103	159
18.5	25	25	6150/533820	20000/44000	<1.0	6161/534775	20000/44000	1.00	25-627/19-731	103	159
22	30	30	6150/533820	20000/44000	<1.0	6140/532952	20000/44000	<1.0	30-627/19-731	103	159

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
841 (29 x 29)	50 Hz	1500 R.P.M.	1.8 R.P.M.
	60 Hz	1800 R.P.M.	2.1 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	51.0/4427	880/1936	<1.0	51.0/4427	880/1936	<1.0	02-611/08-841	72	128
			91.9/7977	1350/2970	1.00	76.6/6649	1365/3003	1.00	02-613/08-841	74	130
			91.9/7977	1500/3300	1.10	76.6/6649	1500/3300	1.25	02-614/09-841	78	134
			91.9/7977	2050/4510	2.00	76.6/6649	2050/4510	2.40	02-616/09-841	80	136

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
841 (29 x 29)	50 Hz	1500 R.P.M.	1.8 R.P.M.
	60 Hz	1800 R.P.M.	2.1 R.P.M.

MOTOR KW	MOTOR HP	MOTOR SYMBOL	50Hz Output Torgue kg·m/in·lb	50Hz Allowable Output Shaft Overhung load kg/lb	50Hz S.F.	60Hz Output Torgue kg·m/in·lb	60Hz Allowable Output Shaft Overhung load kg/lb	60Hz S.F.	TRANSCYKO MODEL	Dimension page H	Dimension page V
0.4	1/2	05	103/8940	1500/3300	<1.0	103/8940	1500/3300	<1.0	05-614/09-841	78	134
			184/15971	2050/4510	1.00	153/13280	2050/4510	1.20	05-616/09-841	80	136
			184/15971	2900/6380	1.50	153/13280	2900/6380	1.72	05-617/09-841	83	139
0.75	1	1	183/15884	2050/4510	<1.0	183/15884	2050/4510	<1.0	1-616/09-841	80	136
			278/24130	2900/6380	<1.0	277/24044	2900/6380	<1.0	1-617/10-841	84	140
			345/29946	4000/8800	1.19	287/24912	4000/8800	1.43	1-618/10-841	86	142
			345/29946	5400/11880	2.12	287/24912	5400/11880	2.52	1-619/11-841	88	144
1.5	2	2	410/35588	4000/8800	<1.0	410/35588	4000/8800	<1.0	2-618/10-841	86	142
			695/59892	5400/11880	1.06	575/49910	5400/11880	1.26	2-619/11-841	88	144
			690/59892	8800/19360	1.47	575/49910	8800/19360	1.67	2-621/13-841	92	148
2.2	3	3	730/83364	5400/11880	<1.0	725/62930	5400/11880	<1.0	3-619/11-841	88	144
			1011/87755	8800/19360	1.00	843/73172	8800/19360	1.14	3-621/13-841	92	148
			1011/87755	1470/32340	1.24	843/73172	14700/32340	1.60	3-622/13-841	94	150
3.7	5	5	1250/108500	1470/39600	<1.0	1345/116746	14700/32340	<1.0	5-622/13-841	94	150
			1640/142352	18000/46200	<1.0	1418/123082	18000/39600	1.14	5-623/16-841	96	152
			1701/147647	21000/57200	1.20	1418/123082	21000/46200	1.48	5-624/16-841	98	154
			1701/147647	26000/40040	1.58	1418/123082	26000/57200	1.90	5-625/17-841	100	156
5.5	7.5	8	1640/142352	18000/39600	<1.0	1624/140963	18000/39600	<1.0	8-623/16-841	96	152
			2050/177940	21000/46200	<1.0	2100/182228	21000/46200	<1.0	8-624/16-841	98	154
			2529/219517	26000/57200	1.06	2135/185532	26000/57200	1.28	8-625/17-841	100	156
			2529/219517	27800/61160	1.40	2135/185532	27800/61160	1.71	8-626/19-841	102	158
7.5	10	10	2695/233926	26000/57200	<1.0	2690/233492	26000/57200	1.0	10-625/17-841	100	156
			3448/299286	27800/61160	1.03	2873/249376	27800/61160	1.25	10-626/19-841	102	158
			3448/299286	22000/44000	1.79	2873/249376	22000/44000	2.13	10-627/19-841	103	159
11	15	15	3540/307272	27800/61160	<1.0	3600/312480	27800/61160	<1.0	15-626/19-841	102	158
			5057/438948	20000/44000	1.22	4214/365775	20000/44000	1.45	15-627/19-841	103	159
15	20	20	6150/533820	20000/44000	<1.0	5747/498840	20000/44000	1.07	20-627/19-841	103	159
18.5	25	25	6150/533820	20000/44000	<1.0	6150/533820	20000/44000	1.0	25-627/19-841	103	159
22	30	30	6150/533820	20000/44000	<1.0	6150/533820	20000/44000	1.0	30-627/19-841	103	159

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
1003 (59 x 17)	50 Hz	1500 R.P.M.	1.5 R.P.M.
	60 Hz	1800 R.P.M.	1.8 R.P.M.

MOTOR KW	MOTOR HP	MOTOR SYMBOL	50Hz Output Torgue kg·m/in·lb	50Hz Allowable Output Shaft Overhung load kg/lb	50Hz S.F.	60Hz Output Torgue kg·m/in·lb	60Hz Allowable Output Shaft Overhung load kg/lb	60Hz S.F.	TRANSCYKO MODEL	Dimension page H	Dimension page V
0.2	1/4	02	51.0/4427	880/1936	<1.0	51.0/4427	880/1936	<1.0	02-611/08-1003	72	128
			77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	02-613/08-1003	74	130
			103/8940	1500/3300	<1.0	91.4/7934	1500/3300	1.10	02-614/08-1003	77	133
			110/9548	2050/4510	1.67	91.4/7934	2050/4510	1.67	02-616/09-1003	80	136
0.4	1/2	05	103/8940	1500/3300	<1.0	103/8940	1500/3300	<1.0	05-614/08-1003	77	133
			183/15884	2050/4510	<1.0	183/15884	2050/4510	<1.0	05-616/09-1003	80	136
			219/19009	2900/6380	1.28	183/15884	2900/6380	1.52	05-617/09-1003	83	139
0.75	1	1	278/24130	2900/6380	<1.0	278/24130	2900/6380	<1.0	1-617/09-1003	83	139
			411/35675	4000/8800	1.00	343/29772	4000/8800	1.20	1-618/10-1003	86	142
			411/35675	5400/11880	1.75	343/29772	5400/11880	1.91	1-619/11-1003	88	144
1.5	2	2	410/35588	4000/880	<1.0	410/35588	4000/8800	<1.0	2-618/10-1003	86	142
			720/62496	5400/11880	<1.0	653/56680	5400/11880	<1.0	2-619/11-1003	88	144
			822/71350	8000/17600	1.02	685/59458	8000/17600	1.22	2-620/13-1003	91	147
			822/71350	8800/19360	1.37	685/59458	8800/19360	1.66	2-621/13-1003	92	148
2.2	3	3	720/62496	5400/11880	<1.0	653/56680	5400/11880	<1.0	3-619/11-1003	88	144
			840/72912	8000/17600	<1.0	840/72912	8000/17600	<1.0	3-620/13-1003	91	147
			1130/98084	8800/19360	<1.0	1005/87234	8800/19360	1.13	3-621/13-1003	92	148
			1206/104681	14700/32340	1.20	1005/87234	14700/32340	1.43	3-622/13-1003	94	150
			1206/104681	18000/39600	1.51	1005/87234	18000/39600	1.81	3-623/16-1003	96	152

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
3.7	5	5	1440/124992	14700/32340	<1.0	1440/124992	14700/32340	<1.0	5-622/13-1003	94	150
			1825/158410	18000/39600	<1.0	1691/146779	18000/39600	1.08	5-623/16-1003	96	152
			2029/176117	21000/46200	1.16	1691/146779	21000/46200	1.39	5-624/16-1003	98	154
			2029/176117	26000/57200	1.50	1691/146779	26000/57200	1.80	5-625/17-1003	100	156
5.5	7.5	8	2350/203980	21000/46200	<1.0	2350/203980	21000/46200	<1.0	8-624/16-1003	98	154
			3016/261789	26000/57200	1.01	2513/218128	26000/57200	1.21	8-625/17-1003	100	156
			3016/261789	27800/61160	1.37	2513/218128	27800/61160	1.63	8-626/19-1003	102	158
7.5	10	10	3050/264740	26000/57200	<1.0	3050/264760	26000/57200	<1.0	10-625/17-1003	100	156
			4112/356922	27800/61160	1.01	3427/297464	27800/61160	1.20	10-626/19-1003	102	158
			4112/356922	20000/44000	1.49	3427/297464	20000/44000	1.79	10-627/19-1003	103	159
11	15	15	4140/359352	27800/61160	<1.0	4100/355880	27800/61160	<1.0	15-626/19-1003	102	158
			6031/523491	20000/44000	1.02	5026/436257	20000/44000	1.22	15-627/19-1003	103	159
15	20	20	6150/533820	20000/44000	<1.0	6140/532952	20000/44000	<1.0	20-627/19-1003	103	159

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
1247 (43 x 29)	50 Hz	1500 R.P.M.	1.2 R.P.M.
	60 Hz	1800 R.P.M.	1.4 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	77.0/6684	1365/2003	<1.0	77.0/6684	1365/3003	<1.0	02-613/08-1247	74	130
			103/8940	1500/3300	<1.0	103/8940	1500/3300	<1.0	02-614/08-1247	77	133
			136/11850	2050/4510	1.34	114/9895	2050/4510	1.61	02-616/09-1247	80	136
0.4	1/2	05	183/15884	2050/4510	<1.0	183/15884	2050/4510	<1.0	05-616/09-1247	80	136
			278/24130	2900/6380	<1.0	227/19740	2900/6380	1.22	05-617/09-1247	83	139
			273/23696	4000/8800	1.50	227/19740	4000/8800	1.80	05-618/10-1247	86	142
0.75	1	1	278/24130	2900/6380	<1.0	278/24130	2900/6380	<1.0	1-617/09-1247	83	139
			410/35588	4000/8800	<1.0	410/35588	4000/8800	<1.0	1-618/10-1247	86	142
			511/44355	5400/11880	1.43	426/36977	5400/11880	1.71	1-619/11-1247	88	144
1.5	2	2	730/83364	5400/11880	<1.0	730/63364	5400/11880	<1.0	2-619/11-1247	88	144
			840/72912	8000/17600	<1.0	810/70308	5400/17600	<1.0	2-620/11-1247	90	146
			1022/88710	8800/19360	1.10	852/73954	8000/19360	1.34	2-621/13-1247	92	148
			1022/88710	14700/32340	1.39	852/73954	14700/32340	1.69	2-622/13-1247	94	150
2.2	3	3	1130/98084	8800/19360	<1.0	1140/98952	8800/19360	<1.0	3-621/13-1247	92	148
			1420/123256	14700/32340	<1.0	1250/108500	14700/32340	1.15	3-622/13-1247	94	150
			1500/130200	18000/39600	1.22	1250/108500	18000/39600	1.45	3-623/16-1247	96	152
			1500/130200	21000/46200	1.57	1250/108500	21000/46200	1.88	3-624/16-1247	98	154
3.7	5	5	1420/123256	14700/32340	<1.0	1440/124992	14700/32340	<1.0	5-622/13-1247	94	150
			1825/158410	18000/39600	<1.0	1820/157976	18000/39600	<1.0	5-623/16-1247	96	152
			2350/203980	21000/46200	<1.0	2102/182454	21000/46200	1.12	5-624/16-1247	98	154
			2522/218910	26000/57200	1.21	2102/182454	26000/57200	1.45	5-625/17-1247	100	156
5.5	7.5	8	2350/203980	21000/46200	<1.0	2350/203980	21000/46200	<1.0	8-624/16-1247	98	154
			3050/264740	26000/57200	<1.0	3050/264740	26000/57200	<1.0	8-625/17-1247	100	156
			3124/271163	27800/61160	1.10	3124/271163	27800/61160	1.31	8-626/19-1274	102	158
			3124/271163	20000/44000	1.64	3124/271163	20000/44000	1.97	8-627/19-1247	103	159
7.5	10	10	4140/359352	27800/61160	<1.0	4100/355880	27800/61160	<1.0	10-626/19-1247	102	158
			5113/443808	20000/44000	1.20	4260/369768	20000/44000	1.44	10-627/19-1247	103	159
11	15	15	6150/533820	20000/44000	<1.0	6150/533820	20000/44000	<1.0	15-627/19-1247	103	159
15	20	20	6150/533820	20000/44000	<1.0	6150/533820	20000/44000	<1.0	20-627/19-1247	103	159

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
1479 (87 x 17)	50 Hz	1500 R.P.M.	1.0 R.P.M.
	60 Hz	1800 R.P.M.	1.2 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	02-613/08-1479	74	130
			103/8940	1500/3300	<1.0	103/8940	1500/3300	<1.0	02-614/08-1479	77	133
			162/14062	2050/4510	1.13	135/11718	2050/4510	1.36	02-616/09-1479	80	136
			162/14062	2900/6380	1.72	135/11718	2900/6380	2.05	02-617/09-1479	83	139
0.4	1/2	05	183/15884	2050/4510	<1.0	183/15884	2050/4510	<1.0	05-616/09-1479	80	136
			278/24130	2900/6380	<1.0	270/23436	2900/6380	1.02	05-617/09-1479	83	139
			323/28036	4000/8800	1.27	270/23436	4000/8800	1.88	05-618/10-1479	86	142
0.75	1	1	410/35588	4000/8800	<1.0	410/35588	4000/8800	<1.0	1-618/10-1479	86	142
			606/52601	5400/11880	1.20	505/43834	5400/11880	1.44	1-619/11-1479	88	144
1.5	2	2	730/83364	5400/11880	<1.0	730/63364	5400/11880	<1.0	2-619/11-1479	88	144
			1130/98084	8800/19360	<1.0	950/82460	8800/19360	<1.0	2-621/13-1479	92	148
			1213/105288	14700/32340	1.17	1011/87755	14700/32340	1.27	2-622/13-1479	94	150
2.2	3	3	1420/123256	14700/32340	<1.0	1280/11104	14700/32340	<1.0	3-622/13-1479	94	150
			1640/142352	18000/39600	<1.0	1482/128638	18000/39600	1.09	3-623/16-1479	96	152
			1779/154417	21000/46200	1.16	1482/128638	21000/46200	1.38	3-624/16-1499	98	154
3.7	5	5	1640/142352	18000/39600	<1.0	1620/140616	18000/39600	<1.0	5-623/16-1479	96	152
			2070/179676	21000/46200	<1.0	2050/177940	21000/46200	<1.0	5-624/16-1479	98	154
			2695/233926	26000/57200	<1.0	2493/216392	26000/57200	1.10	5-625/17-1479	100	156
5.5	7.5	8	2695/233926	26000/57200	<1.0	2750/238700	26000/57200	<1.0	8-625/17-1479	100	156
			3650/316820	27800/61160	<1.0	3692/320466	27800/61160	<1.0	8-626/19-1479	102	158
			4447/386000	20000/44000	1.38	3706/321681	20000/44000	1.66	8-627/19-1479	103	159
7.5	7.5	10	6064/526355	20000/44000	1.01	5053/438600	20000/44000	1.22	10-627/19-1479	103	159
11	15	15	6150/536355	20000/44000	<1.0	6150/533820	20000/44000	<1.0	15-627/19-1479	103	159

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
1849 (43 x 43)	50 Hz	1500 R.P.M.	0.81 R.P.M.
	60 Hz	1800 R.P.M.	0.97 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	02-613/08-1849	74	130
			103/8940	1500/3300	<1.0	103/8940	1500/3300	<1.0	02-614/08-1849	77	133
			202/17534	2900/6380	1.38	168/14582	2900/6380	1.65	02-617/09-1849	83	139
0.4	1/2	05	183/15884	2050/4510	<1.0	183/15884	2050/4510	<1.0	05-616/09-1849	80	136
			278/24130	2900/6380	<1.0	278/24130	2900/6380	<1.0	05-617/09-1849	83	139
			404/35067	4000/8800	1.01	337/29252	4000/8800	1.22	05-618/10-1849	86	142
0.75	1	1	410/35588	4000/8800	<1.0	410/35588	4000/8800	<1.0	1-618/10-1849	86	142
			730/63364	5400/11880	<1.0	632/54858	5400/11880	1.16	1-619/11-1849	88	144
			758/65794	8000/17600	1.07	632/54858	8000/17600	1.28	1-620/11-1849	90	146
1.5	2	2	810/70308	8000/17600	<1.0	810/70308	8000/17600	<1.0	2-620/11-1849	90	146
			1140/98952	8800/19360	<1.0	1140/98952	8800/19360	<1.0	2-621/13-1849	92	148
			1440/124992	14700/32340	<1.0	1263/109628	14700/32340	1.14	2-622/13-1849	94	150
2.2	3	3	1440/124992	14700/32340	<1.0	1440/124992	14700/32340	<1.0	3-622/13-1849	94	150
			1825/158410	18000/39600	<1.0	1820/157976	18000/39600	<1.0	3-623/16-1849	96	152
			2224/193043	21000/46200	1.05	1853/160840	21000/46200	1.27	3-624/16-1849	98	154
3.7	5	5	2350/203980	21000/46200	<1.0	2350/203980	21000/46200	<1.0	5-624/16-1849	98	154
			3050/264740	26000/57200	<1.0	3050/264740	26000/57200	<1.0	5-625/17-1849	100	156
5.5	7.5	8	4140/359352	27800/61160	<1.0	4100/355880	27800/61160	<1.0	8-626/19-1849	102	158
			5559/482521	20000/44000	1.11	4633/402144	20000/44000	1.33	8-627/19-1849	103	159
7.5	10	10	6150/533820	20000/44000	<1.0	6150/533820	20000/44000	<1.0	10-627/19-1849	103	159

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
2065 (59 x 35)	50 Hz	1500 R.P.M.	0.73 R.P.M.
	60 Hz	1800 R.P.M.	0.87 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	02-613/08-2065	74	130
			103/8940	1500/3300	<1.0	102/8854	1500/3300	<1.0	02-614/08-2065	77	133
			183/15884	2050/4210	<1.0	183/15884	2050/4510	<1.0	02-616/09-2065	80	136
			226/19617	2900/6380	1.23	188/16318	2900/6380	1.48	02-617/09-2065	83	139
0.4	1/2	05	183/15884	2050/4510	<1.0	183/15884	2050/4510	<1.0	05-616/09-2065	80	136
			278/24130	2900/6380	<1.0	278/24130	2900/6380	<1.0	05-617/09-2065	83	139
			410/35588	4000/8800	<1.0	325/28242	4000/8800	1.09	05-618/10-2065	86	142
0.75	1	1	410/35588	4000/8800	<1.0	410/35588	4000/8800	<1.0	1-618/10-2065	86	142
			730/63364	5400/11880	<1.0	706/61281	5400/11880	1.04	1-619/11-2065	90	144
1.5	2	2	810/70308	8000/17600	<1.0	795/69006	8000/17600	<1.0	2-620/11-2065	90	146
			1140/98952	8800/19360	<1.0	1140/98952	8800/19360	<1.0	2-621/13-2065	92	148
			1440/124992	14700/32340	<1.0	1411/122475	14700/32340	1.02	2-622/13-2065	94	150
2.2	3	3	1440/124992	14700/32340	<1.0	1440/124992	14700/32340	<1.0	3-622/13-2065	94	150
			1825/158410	18000/39600	<1.0	1820/157976	18000/39600	<1.0	3-623/16-2065	96	152
			2350/203980	21000/46200	<1.0	2070/179676	21000/46200	1.14	3-624/16-2065	98	154
3.7	5	5	2350/203980	21000/46200	<1.0	2350/203980	21000/46200	<1.0	5-624/16-2065	98	154
			3050/264740	26000/57200	<1.0	3050/264740	26000/57200	<1.0	5-625/17-2065	100	156
5.5	7.5	8	4140/359352	27800/61160	<1.0	4100/355880	27800/61160	1.0	8-626/19-2065	102	158
			6150/533820	20000/44000	<1.0	5174/449103	20000/44000	1.19	8-627/19-2065	103	159
7.5	10	10	6150/533820	20000/44000	<1.0	6150/533820	20000/44000	1.0	10-627/19-2065	103	159

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
2537 (59 x 43)	50 Hz	1500 R.P.M.	0.59 R.P.M.
	60 Hz	1800 R.P.M.	0.71 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	77.0/6684	1365/3003	<1.0	77.0/6735	1365/3003	1.0	02-613/08-2537	74	130
			103/8940	1500/3300	<1.0	103/8951	1500/3300	<1.0	02-614/08-2537	77	133
			183/15884	2050/4510	<1.0	183/15990	2050/4510	<1.0	02-616/09-2537	80	136
			278/24130	2900/6380	<1.0	231/20422	2900/6380	1.20	02-617/09-2537	83	139
0.4	1/2	05	278/24130	2900/6380	<1.0	278/23898	2900/6380	<1.0	05-617/09-2537	83	149
			410/35588	4000/8800	<1.0	410/35629	4000/8800	<1.0	05-618/10-2537	86	142
0.75	1	1	410/35588	4000/8800	<1.0	410/39105	4000/8800	<1.0	1-618/10-2537	86	142
			730/63364	5400/11880	<1.0	730/63872	5400/11880	<1.0	1-619/11-2537	88	144
			810/70308	8000/17600	<1.0	730/68825	8000/17600	<1.0	1-620/11-2537	90	146
1.5	2	2	810/70308	8000/17600	<1.0	785/73865	8000/17600	<1.0	2-620/11-2537	90	146
			1140/98952	8800/19360	<1.0	1140/99500	8800/19360	<1.0	2-621/13-2537	92	148
			1440/124992	14700/32340	<1.0	1440/125136	14700/32340	<1.0	2-622/13-2537	94	150
2.2	3	3	1825/158410	18000/39600	<1.0	1820/157976	18000/39600	<1.0	3-623/16-2537	96	152
			2350/203980	21000/46200	<1.0	2350/203980	21000/46200	<1.0	3-624/16-2537	98	154
3.7	5	5	3050/264740	26000/57200	<1.0	3050/264740	26000/57200	<1.0	5-625/17-2537	100	156
5.5	7.5	8	4140/359352	27800/61160	<1.0	4100/355880	27800/61160	<1.0	8-626/19-2537	102	158
			6150/533820	20000/44000	<1.0	6150/533820	20000/44000	<1.0	8-627/19-2537	103	159
7.5	10	10	6150/533820	20000/44000	<1.0	6150/533820	20000/44000	<1.0	10-627/19-2537	103	159

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
3045 (87 x 35)	50 Hz	1500 R.P.M.	0.49 R.P.M.
	60 Hz	1800 R.P.M.	0.59 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
0.2	1/4	02	77.0/6684	1365/3003	1.0	77.0/6684	1365/3003	1.0	02-613/08-3045	74	130
			103/8940	1500/3300	1.0	103/8940	1500/3300	1.0	02-614/08-3045	77	133
			183/15884	2050/4510	1.0	183/15884	2050/4510	1.0	02-616/09-3045	80	136
			278/24130	2900/6380	1.0	277/24044	2900/6380	1.00	02-617/09-3045	83	139
0.4	1/2	05	278/24130	2900/6380	1.0	278/24130	2900/6380	1.0	05-617/09-3045	83	139
			410/35588	4000/8800	1.0	410/35588	4000/8800	1.0	05-618/10-3045	86	142
0.75	1	1	730/63364	5400/11880	1.0	730/63364	5400/11880	1.0	1-619/11-3045	88	144
1.5	2	2	955/82894	8800/19360	1.0	950/82462	8800/19360	1.0	2-621/13-3045	92	148
			1250/108500	14700/32340	1.0	1275/110670	14700/32340	1.0	2-622/13-3045	94	150
2.2	3	3	1620/140616	18000/39600	1.0	1600/138880	18000/39600	1.0	3-623/16-3045	96	152
			2050/177940	21000/46200	1.0	2050/177940	21000/46200	1.0	3-624/16-3045	98	154
3.7	5	5	2650/227700	26000/57200	1.0	2650/230020	26000/57200	1.0	5-625/17-3045	100	156
5.5	7.5	8	3540/307272	27800/61160	1.0	3520/305536	27800/61160	1.0	8-626/19-3045	102	158
			6150/533820	20000/40000	1.0	6150/533820	20000/44000	1.0	8-627/19-3045	103	159
7.5	10	10	6150/533820	20000/40000	1.0	6150/533820	20000/44000	1.0	10-627/19-3045	103	159

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
3481 59 x 59)	50 Hz	1500 R.P.M.	0.43 R.P.M.
	60 Hz	1800 R.P.M.	0.52 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
0.2	1/4	02	77.0/6684	1365/3003	1.0	77.0/6684	1365/3003	1.0	02-613/08-3481	74	130
			103/8940	1500/3300	1.0	103/8940	1500/3300	1.0	02-614/08-3481	77	133
			183/15884	2050/4510	1.0	183/15884	2050/4510	1.0	02-616/09-3481	80	136
			278/24130	2900/6380	1.0	278/24130	2900/6380	1.0	02-617/09-3481	83	139
0.4	1/2	05	278/24130	2900/6380	1.0	278/24130	2900/6380	1.0	05-617/09-3481	83	139
			410/35588	4000/8800	1.0	410/35588	4000/8800	1.0	05-618/10-3481	86	142
0.75	1	1	730/63364	5400/11880	1.0	730/63364	5400/11880	1.0	1-619/11-3481	88	144
			860/74648	8000/17600	1.0	860/74648	8000/17600	1.0	1-620/11-3481	90	146
1.5	2	2	1140/98952	8800/19360	1.0	1140/98952	8800/19360	1.0	2-621/13-3481	92	148
			1440/124992	14700/32340	1.0	1440/124992	14700/32340	1.0	2-622/13-3481	94	150
2.2	3	3	1810/157108	18000/39600	1.0	1810/157108	18000/39600	1.0	3-623/16-3481	96	152
			2350/203980	21000/46200	1.0	2350/203980	21000/46200	1.0	3-624/16-3481	98	154
3.7	5	5	3050/264740	26000/57200	1.0	3050/264740	26000/57200	1.0	5-625/17-3481	100	156
5.5	8	8	4100/355880	27800/61160	1.0	4100/355880	27800/61160	1.0	8-626/19-3481	102	158
			6150/533820	20000/44000	1.0	6150/533820	20000/44000	1.0	8-627/19-3481	103	159
7.5	10	10	6150/533820	20000/44000	1.0	6150/533820	20000/44000	1.0	10-627/19-3481	103	159

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
4437 (87 x 51)	50 Hz	1500 R.P.M.	0.34 R.P.M.
	60 Hz	1800 R.P.M.	0.41 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg·m/in·lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
0.2	1/4	02	77.0/6684	1365/3003	1.0	77.0/6684	1365/3003	1.0	02-613/08-4437	74	130
			103/8940	1500/3300	1.0	103/8940	1500/3300	1.0	02-614/08-4437	77	133
			183/15884	2050/4510	1.0	183/15884	2050/4510	1.0	02-616/09-4437	80	136
			278/24130	2900/6380	1.0	278/24130	2900/6380	1.0	02-617/09-4437	83	139
0.4	1/2	05	410/35588	4000/8800	1.0	410/35588	4000/8800	1.0	05-618/10-4437	86	142

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
4437 (87 x 51)	50 Hz	1500 R.P.M.	0.34 R.P.M.
	60 Hz	1800 R.P.M.	0.41 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg · m / in · lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg · m / in · lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.75	1	1	730/63364	5400/11880	<1.0	730/63364	5400/11880	<1.0	1-619/11-4437	88	144
1.5	2	2	950/82460	8800/19360	<1.0	950/82460	8800/19360	<1.0	2-621/13-4437	92	148
			1275/110670	14700/32340	<1.0	1275/110670	14700/32340	<1.0	2-622/13-4437	94	150
2.2	3	3	1600/138880	18000/39600	<1.0	1600/138880	18000/39600	<1.0	3-623/16-4437	96	152
			2050/177940	21000/46200	<1.0	2050/177940	21000/46200	<1.0	3-624/16-4437	98	154
3.7	5	5	2650/230020	26000/57200	<1.0	2650/230020	26000/57200	<1.0	5-625/17-4437	100	156
5.5	7.5	8	3520/305536	27800/61160	<1.0	3520/305536	27800/61160	<1.0	8-626/19-4437	102	158
			6150/533820	20000/44000	<1.0	6150/533820	20000/44000	<1.0	8-627/19-4437	103	159
7.5	10	10	6150/533820	20000/44000	<1.0	6150/533820	20000/44000	<1.0	10-627/19-4437	103	159

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
5133 (87 x 59)	50 Hz	1500 R.P.M.	0.29 R.P.M.
	60 Hz	1800 R.P.M.	0.35 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg · m / in · lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg · m / in · lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	02-613/08-5133	74	130
			103/8940	1500/3300	<1.0	103/8940	1500/3300	<1.0	02-614/08-5133	77	133
			183/15884	2050/4510	<1.0	183/15884	2050/4510	<1.0	02-616/09-5133	80	136
			278/24130	2900/6380	<1.0	278/24130	2900/6380	<1.0	02-617/09-5133	83	139
0.4	1/2	05	410/35588	4000/8800	<1.0	410/35588	4000/8800	<1.0	05-618/10-5133	86	142
0.75	1	1	730/63364	5400/11880	<1.0	730/63364	5400/11880	<1.0	1-619/11-5133	88	144
			860/74648	8000/17600	<1.0	860/74648	8000/17600	<1.0	1-620/11-5133	90	146
1.5	2	2	1140/98952	8800/19360	<1.0	1140/98952	8800/19360	<1.0	2-621/13-5133	92	148
			1440/124992	14700/32340	<1.0	1440/124992	14700/32340	<1.0	2-622/13-5133	94	150
2.2	3	3	1810/157108	18000/39600	<1.0	1810/157108	18000/39600	<1.0	3-623/16-5133	96	152
			2350/203980	21000/46200	<1.0	2350/203980	21000/46200	<1.0	3-624/16-5133	98	154
3.7	5	5	3050/264740	26000/57200	<1.0	3050/264740	26000/57200	<1.0	5-625/17-5133	100	156
5.5	7.5	8	4100/355880	27800/61160	<1.0	4100/355880	27800/61160	<1.0	8-626/19-5133	102	158
			6150/533820	20000/44000	<1.0	6150/533820	20000/44000	<1.0	8-627/19-5133	103	159
7.5	10	10	6150/533820	20000/44000	<1.0	6150/533820	20000/44000	<1.0	10-627/19-5133	103	159

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
6177 (87 x 71)	50 Hz	1500 R.P.M.	0.24 R.P.M.
	60 Hz	1800 R.P.M.	0.29 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg · m / in · lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg · m / in · lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	02-613/09-6177	75	131
			103/8940	1500/3300	<1.0	103/8940	1500/3300	<1.0	02-614/09-6177	78	134
			183/15884	2050/4510	<1.0	183/15884	2050/4510	<1.0	02-616/09-6177	80	136
			278/24130	2900/6380	<1.0	278/24130	2900/6380	<1.0	02-617/09-6177	183	139
0.4	1/2	05	410/35588	4000/8800	<1.0	410/35588	4000/8800	<1.0	05-618/10-6177	86	142
0.75	1	1	730/63364	5400/11880	<1.0	730/63364	5400/11880	<1.0	1-619/11-6177	88	144
1.5	2	2	950/82460	8800/19360	<1.0	950/82460	8800/19360	<1.0	2-621/13-6177	92	148
			1275/100670	14700/32340	<1.0	1275/100670	14700/32340	<1.0	2-622/13-6177	94	150
2.2	3	3	1600/138880	18000/39600	<1.0	1600/138880	18000/39600	<1.0	3-623/16-6177	96	152
			2050/177940	21000/46200	<1.0	2050/177940	21000/46200	<1.0	3-624/16-6177	98	154
3.7	5	5	2650/230020	26000/57200	<1.0	2650/230020	26000/57200	<1.0	5-625/17-6177	100	156
5.5	7.5	8	3520/305536	27800/61160	<1.0	3520/305536	27800/61160	<1.0	8-626/19-6177	102	158
			6150/533820	20000/44000	<1.0	6150/533820	20000/44000	<1.0	8-627/19-6177	103	159
7.5	10	10	6150/533820	20000/44000	<1.0	6150/533820	20000/44000	<1.0	10-627/19-6177	103	159

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
7569 (87 x 87)	50 Hz	1500 R.P.M.	0.20 R.P.M.
	60 Hz	1800 R.P.M.	0.24 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
0.2	1/4	02	77.0/6684	1365/3003	<1.0	77.0/6684	1365/3003	<1.0	02-613/09-7569	75	131
			103/8940	1500/3300	<1.0	103/8940	1500/3300	<1.0	02-614/09-7569	78	134
			183/15884	2050/4510	<1.0	183/15884	2050/4510	<1.0	02-616/09-7569	80	136
			278/24130	2900/6380	<1.0	278/24130	2900/6380	<1.0	02-617/09-7569	83	139
0.4	1/2	05	410/35588	4000/8800	<1.0	410/35588	4000/8800	<1.0	05-618/10-7569	86	142
0.75	1	1	730/63364	5400/11880	<1.0	730/63364	5400/11880	<1.0	1-619/11-7569	88	144
1.5	2	2	950/82460	8800/19360	<1.0	950/82460	8800/19360	<1.0	2-621/13-7569	92	148
			1275/110670	14700/32340	<1.0	1275/110670	14700/32340	<1.0	2-622/13-7569	94	150
2.2	3	3	1600/138880	18000/39600	<1.0	1600/138880	18000/39600	<1.0	3-623/16-7569	96	152
			2050/177940	21000/46200	<1.0	2050/177940	21000/46200	<1.0	3-624/16-7569	98	154
3.7	3	5	2650/230020	26000/57200	<1.0	2650/230020	26000/57200	<1.0	5-625/17-7569	100	156
5.5	7.5	8	3500/303800	27800/61160	<1.0	3500/303800	27800/61160	<1.0	8-626/19-7569	102	158
			6150/533820	20000/44000	<1.0	6150/533820	20000/44000	<1.0	8-627/19-7569	103	159
7.5	10	10	6150/533820	20000/44000	<1.0	6150/533820	20000/44000	<1.0	10-627/19-7569	103	159

*When S.F. marked as < 1, overload may occur if the motor is loaded to its full KW (HP) capacity, in which case it must be used within the values stipulated in the output torque column.

SELECTION TABLE WITH 6 POLE MOTOR

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
11	50 Hz	1000 R.P.M.	91 R.P.M.
	60 Hz	1200 R.P.M.	109 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg.m/in.lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg.m/in.lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
55	75	75/6	544/47219	6450/14190	1.68	454/40275	6100/13420	1.69	75/6-623-11	64	120
75	100	100/6	742/64406	6450/14190	1.24	619/53729	6100/13420	1.24	100/6-623-11	64	120
				7200/15840	1.60		6800/14960	1.57	100/6-624-11	65	121
				8850/19470	1.93		8350/18370	1.93	100/6-625-11	66	122
90	125	125/6	891/77339	6450/14190	1.05	742/64406	6100/13420	1.05	125/6-623-11	64	120
				7200/15840	1.33		6800/14960	1.33	125/6-624-11	65	121
				8850/19470	1.61		8350/18370	1.58	125/6-625-11	66	122
				10750/23650	1.85		10250/22550	1.86	125/6-626-11	67	123
110	150	150/6	1089/94525	7200/15840	1.03	908/78814	6800/14960	1.03	150/6-624-11	65	121
				8850/19470	1.27		8350/18370	1.27	150/6-625-11	66	122
				10750/23650	1.52		10250/22550	1.52	150/6-626-11	67	123
132	175	175/6	1307/113448	8850/19470	1.06	1089/94525	8350/18370	1.06	175/6-625-11	66	122
				10750/23650	1.28		10250/22550	1.28	175/6-626-11	67	123

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
15	50 Hz	1000 R.P.M.	67 R.P.M.
	60 Hz	1200 R.P.M.	80 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg.m/in.lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg.m/in.lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
37	50	50/6	500/43400	7095/15609	2.50	416/36109	6720/14784	2.51	50/6-623-15	64	120
45	60	60/6	608/52774	7095/15609	2.07	506/43921	6720/14784	2.08	60/6-623-15	64	120
55	75	75/6	745/64406	7095/15609	1.69	619/53729	6720/14784	1.68	75/6-623-15	64	120
75	100	100/6	1012/87842	7095/15609	1.24	844/73259	6720/14784	1.24	100/6-623-15	64	120
				7905/17391	1.51		7500/16500	1.51	100/6-624-15	65	121
				9600/21120	1.86		9145/20119	1.86	100/6-625-15	66	122
90	125	125/6	1215/105462	7095/15609	1.05	1012/87842	6720/14784	1.03	125/6-623-15	64	120
				7905/17391	1.26		7500/16500	1.26	125/6-624-15	65	121
				9600/21120	1.53		9145/20119	1.55	125/6-625-15	66	122
				11900/26180	1.87		11250/24750	1.86	125/6-626-15	67	123
110	150	150/6	1485/128898	7905/17391	1.03	1238/107458	7500/16500	1.03	150/6-624-15	65	121
				9600/21120	1.27		9145/20119	1.27	150/6-625-15	66	122
				11900/26180	1.52		11250/24750	1.52	150/6-626-15	67	123
132	175	175/6	1782/154678	9600/21120	1.06	1485/128898	9145/20119	1.06	175/6-625-15	66	122
				11900/26180	1.27		11250/24750	1.27	175/6-626-15	67	123

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
21	50 Hz	1000 R.P.M.	48 R.P.M.
	60 Hz	1200 R.P.M.	57 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg.m/in.lb	Allowable Output Shaft Overhung load kg/lb	S.F.	Output Torgue kg.m/in.lb	Allowable Output Shaft Overhung load kg/lb	S.F.		H	V
30	40	40/6	567/49216	7850/17270	2.47	472/40970	7440/16368	2.47	40/6-623-21	64	120
37	50	50/6	699/60673	7850/17270	1.97	583/50604	7440/16368	1.98	50/6-623-21	64	120
45	60	60/5	850/73780	7850/17270	1.61	709/61541	7440/16368	1.62	60/6-623-21	64	120
				8735/19217	2.15		8275/18205	2.16	60/6-624-21	65	121
55	75	75/6	1040/90272	7850/17270	1.31	866/75169	7440/16368	1.35	75/6-623-21	64	120
				8735/19217	1.74		8275/18205	1.74	75/6-624-21	65	121

*Please select models in the shaded column when a load factor of 1.0 is required as shown on page 8.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
75	100	100/6	1418/123082	7850/17270	1.01	1181/102511	7440/16368	1.01	100/6-623-21	64	120
				8735/19217	1.27		8275/18205	1.27	100/6-624-21	65	121
				10750/23650	1.52		10150/22330	1.52	100/6-625-21	66	122
				13050/28710	1.88		12350/27170	1.88	100/6-626-21	67	123
90	125	125/6	1701/147647	8735/19217	1.06	1418/123082	8275/18205	1.06	125/6-624-21	65	121
				10750/23650	1.27		10150/22330	1.27	125/6-625-21	66	122
				13050/28710	1.56		12350/27170	1.60	125/6-626-21	67	123
110	150	150/6	2079/180457	10750/23650	1.05	1732/150338	10150/22330	1.05	150/6-625-21	66	122
				13050/28710	1.27		12350/27170	1.28	150/6-626-21	67	123
132	175	175/6	2495/216566	13050/28710	1.06	2079/180457	12350/27170	1.06	175/6-626-21	67	123

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
29	50 Hz	1000 R.P.M.	34 R.P.M.
	60 Hz	1200 R.P.M.	41 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
30	40	40/6	783/67964	8650/19030	1.87	652/56594	8200/18040	1.87	40/6-623-29	64	120
37	50	50/6	966/83849	8650/19030	1.51	805/69874	8200/18040	1.51	50/6-623-29	64	120
				9650/21230	1.88		9150/20130	1.88	50/6-624-29	65	121
45	60	60/6	1174/101903	8650/19030	1.24	979/84977	8200/18040	1.24	60/6-623-29	64	120
				9650/21230	1.55		9150/20130	1.55	60/6-624-29	65	121
				11850/26070	2.13		11150/24530	2.14	60/6-625-29	66	122
55	75	75/6	1436/124645	8650/19030	1.02	1196/103813	8200/18040	1.02	75/6-623-29	64	120
				9650/21230	1.26		9150/20130	1.26	75/6-624-29	65	121
				11850/26070	1.74		11150/24530	1.74	75/6-625-29	66	122
75	100	100/6	1958/169954	11850/26070	1.27	1631/141571	11150/24530	1.27	100/6-625-29	66	122
				14500/31900	1.79		13500/29700	1.82	100/6-626-29	67	123
90	125	125/6	2349/203893	11850/26070	1.06	1958/169954	11150/24530	1.06	125/6-625-29	66	122
				14500/31900	1.50		13500/29700	1.50	125/6-626-29	67	123
				20000/44000	1.61		20000/44000	1.61	125/6-627-29	190	219
110	150	150/6	2871/249203	14500/31900	1.22	2392/207626	13500/29700	1.24	150/6-626-29	67	123
				20000/44000	1.30		20000/44000	1.30	150/6-627-29	190	219
132	175	175/6	3445/299026	14500/31900	1.02	2871/249203	13500/29700	1.04	175/6-626-29	67	123

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
43	50 Hz	1000 R.P.M.	23 R.P.M.
	60 Hz	1200 R.P.M.	29 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
18.5	25	25/6	716/62149	9750/21450	2.15	597/51820	9200/20240	2.32	25/6-623-43	64	120
22	30	30/6	851/73867	9750/21450	1.85	710/61628	9200/20240	1.95	30/6-623-43	64	120
30	40	40/6	1161/100775	9750/21450	1.39	968/84022	9200/20240	1.43	40/6-623-43	64	120
				10850/23870	1.84		10350/22770	1.86	40/6-624-43	65	121
37	50	50/6	1432/124298	9750/21450	1.13	1193/103552	9200/20240	1.16	50/6-623-43	64	120
				10850/23870	1.50		10350/22770	1.52	50/6-624-43	65	121
				13250/29150	1.85		12550/27610	1.85	50/6-625-43	66	122
45	60	60/6	1742/151206	10850/23870	1.23	1451/125947	10350/22770	1.25	60/6-624-43	65	121
				13250/29150	1.52		12550/27610	1.54	60/6-625-43	66	122
				16250/35370	2.13		15300/33660	2.13	60/6-626-43	67	123
55	75	75/6	2128/184710	10850/23870	1.02	1774/153983	10350/22770	1.02	75/6-624-43	65	121
				13250/29150	1.23		12550/27610	1.23	75/6-625-43	66	122
				16250/35750	1.74		15300/33660	1.74	75/6-626-43	67	123

*Please select models in the shaded column when a load factor of 1.0 is required as shown on page 8.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
75	100	100/6	2902/251894	16250/35750	1.27	2419/209969	15300/33660	1.27	100/6-626-43	67	123
				20000/44000	1.68		20000/44000	1.69	100/6-627-43	190	219
90	125	125/6	3483/302324	16250/35750	1.06	2902/251894	15300/33660	1.08	125/6-626-43	67	123
				20000/44000	1.40		20000/44000	1.42	125/6-627-43	190	219

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
59	50 Hz	1000 R.P.M.	17 R.P.M.
	60 Hz	1200 R.P.M.	20 R.P.M.

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
15	20	20/6	796/69093	10750/23650	1.87	664/57635	10250/22550	1.96	20/6-623-59	64	120
18.5	25	25/6	982/85238	10750/23650	1.60	819/71089	10250/22550	1.60	25/6-623-59	64	120
				11950/26290	2.04		11300/24860	2.05	25/6-624-59	65	121
22	30	30/6	1168/101382	10750/23650	1.30	974/84543	10250/22550	1.32	30/6-623-59	64	120
				11950/26290	1.74		11300/24860	1.75	30/6-624-59	65	121
30	40	40/6	1593/138272	10750/23650	1.00	1328/115270	10250/22550	1.02	40/6-623-59	64	120
				11950/26290	1.29		11300/24860	1.30	40/6-624-59	65	121
				14650/32230	1.86		14000/30800	1.86	40/6-625-59	66	122
37	50	50/6	1965/170562	11950/26290	1.05	1637/142092	11300/24860	1.04	50/6-624-59	65	121
				14650/32320	1.50		14000/30800	1.51	50/6-625-59	66	122
				17850/32970	1.90		16900/37180	1.95	50/6-626-59	67	123
45	60	60/6	2400/208320	14650/32230	1.23	1991/172819	14000/30800	1.24	60/6-625-59	66	122
				17850/39270	1.60		16900/37180	1.60	60/6-626-59	67	123
				20000/44000	2.25		20000/44000	2.35	60/6-627-59	190	219
55	75	75/6	2920/253456	14650/32230	1.01	2434/211271	14000/30800	1.02	75/6-625-59	66	122
				17850/39270	1.30		16900/37180	1.32	75/6-626-59	67	123
				20000/44000	1.80		20000/44000	1.90	75/6-627-59	190	219
75	10	100/6	3982/345638	17850/39270	1.00	3319/288089	16900/37180	1.02	100/6-626-59	67	123
				20000/44000	1.35		20000/44000	1.40	100/6-627-59	190	219

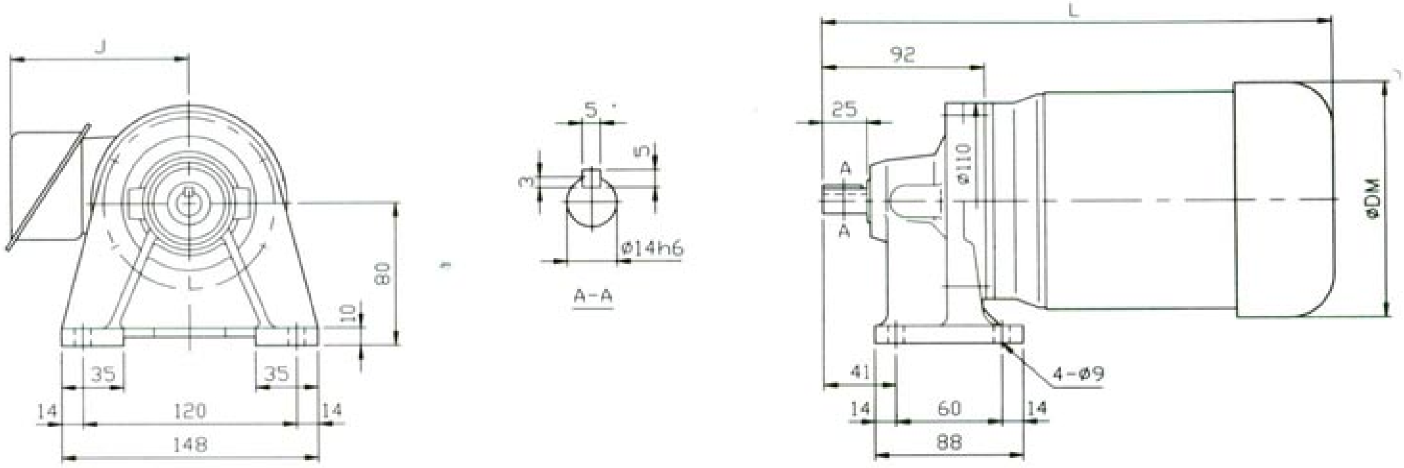
Ratio	Frequency	Motor Input Speed	Reducer Output Speed
87	50 Hz	1000 R.P.M.	11 R.P.M.
	60 Hz	1200 R.P.M.	14 R.P.M.

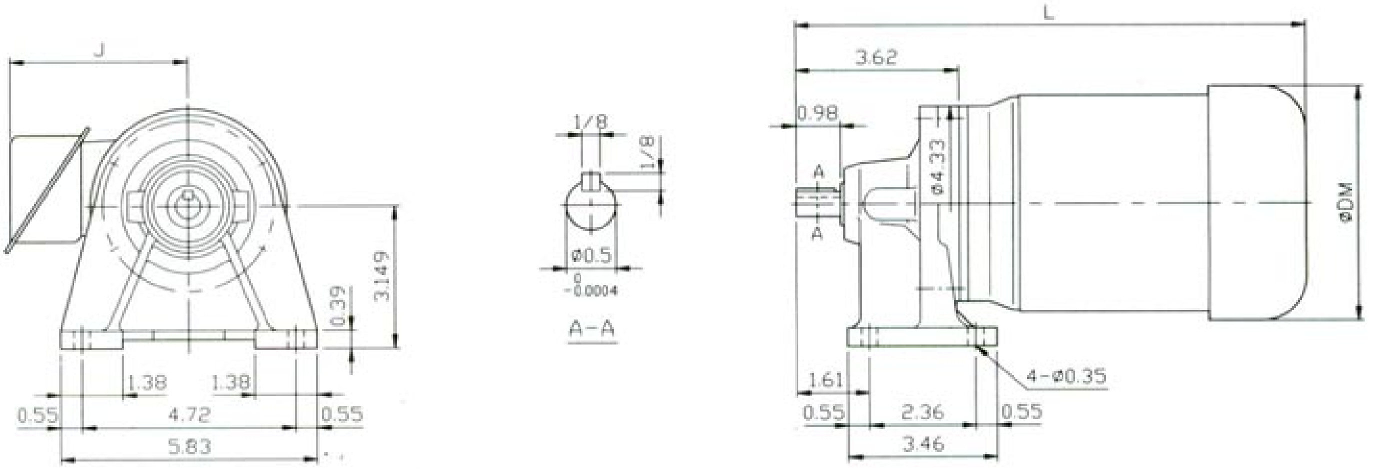
MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension page	
KW	HP	SYMBOL	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.	Output Torgue kg・m / in・lb	Allowable Output Shaft Overhung load kg / lb	S.F.		H	V
15	20	20/6	1174/101903	12050/26510	1.30	979/84977	11450/25190	1.35	20/6-623-87	64	120
				13450/29590	1.69		12750/28050	1.80	20/6-624-87	65	121
18.5	25	25/6	1448/125685	12050/26590	1.12	1207/104768	11450/25190	1.13	25/6-623-87	64	120
				13450/29590	1.40		12750/28050	1.43	25/6-624-87	65	121
				16450/36190	1.80		15550/34210	1.90	25/6-625-87	66	122
22	30	30/6	1723/149556	13450/29590	1.15	1436/124645	12750/28050	1.20	30/6-624-87	65	121
				16450/36190	1.50		15550/34210	1.60	30/6-625-87	66	122
				20000/44000	1.95		19000/41800	2.05	30/6-626-87	67	123
30	40	40/6	2349/203893	16450/36190	1.11	1958/169954	15550/34210	1.15	40/6-625-87	66	122
				20000/44000	1.48		19000/41800	1.50	40/6-626-87	67	123
				20000/44000	1.65		20000/44000	1.68	40/6-627-87	190	219
37	50	50/6	2897/251460	20000/44000	1.16	2414/209535	19000/41800	1.24	50/6-626-87	67	123
				20000/44000	1.37		20000/44000	1.38	50/6-627-87	190	219
45	60	60/6	3524/305883	20000/44000	1.01	2936/254845	19000/41800	1.02	60/6-626-87	67	123
				20000/44000	1.15		20000/44000	1.16	60/6-627-87	190	219

*Please select models in the shaded ☐ column when a load factor of 1.0 is required as shown on page 8.

DIMENSION DRAWINGS For Single Stage Reduction, Horizontal TRANSCYKO Gearmotor

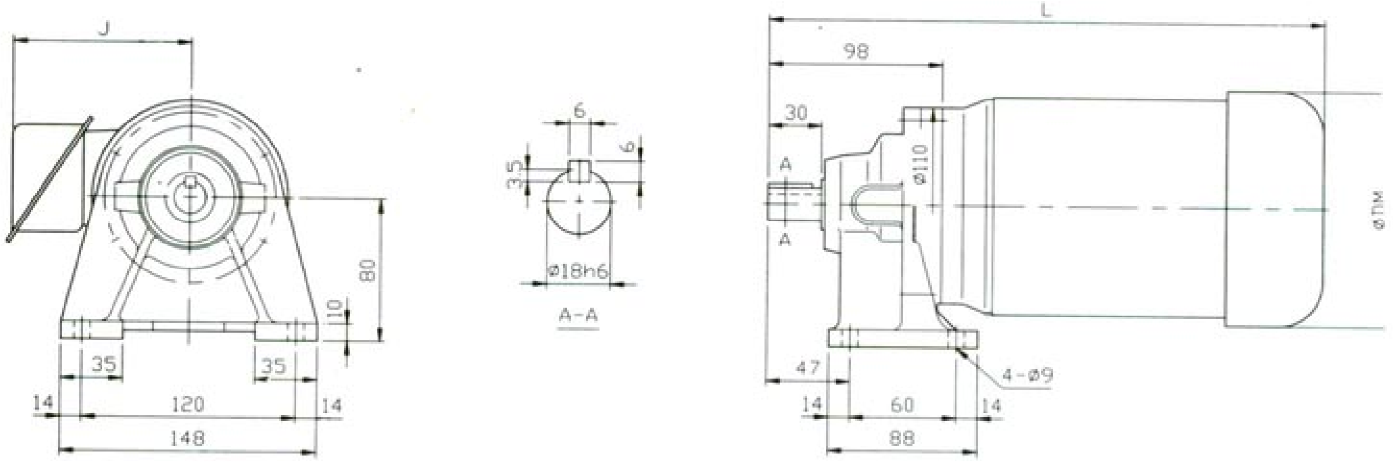
THM-607

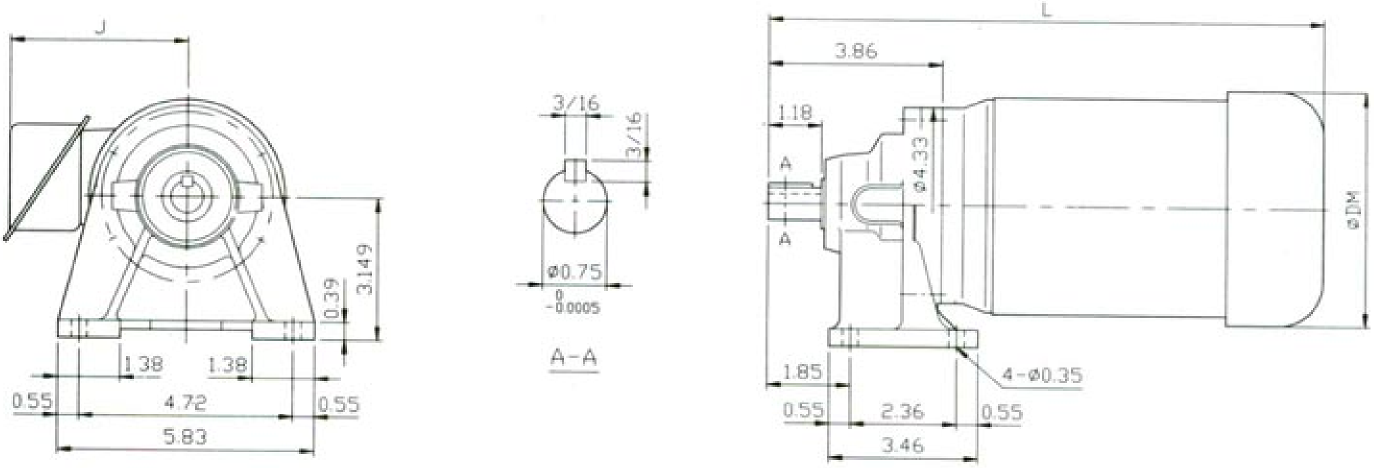




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	THM02-607	311	121	144	135	12	12.24	4.76	5.67	5.31	26.4

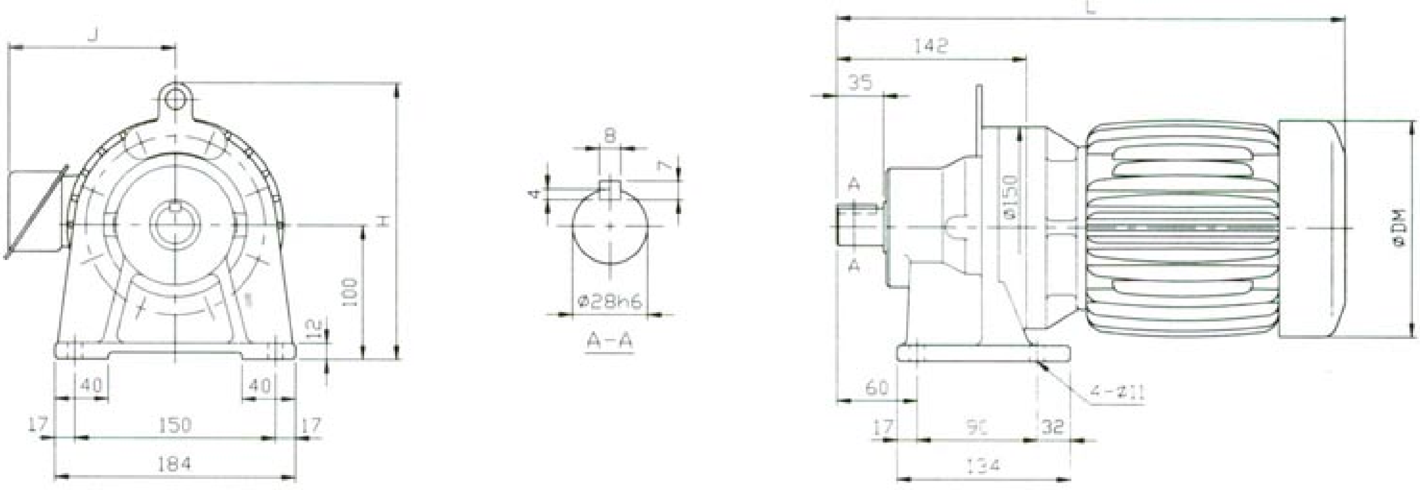
THM-608

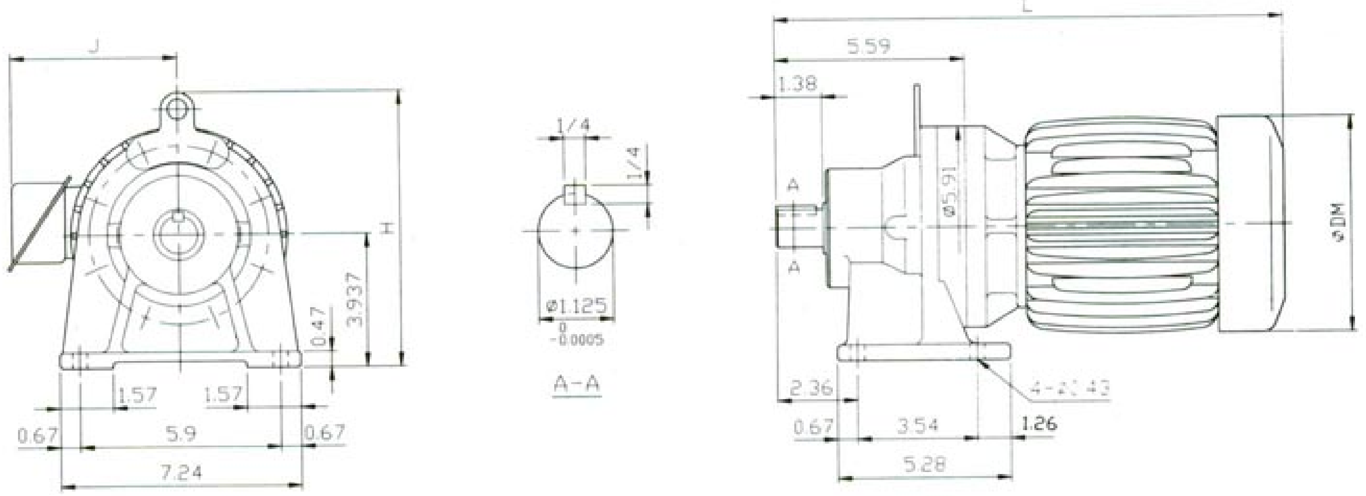




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	THM02-608	317	121	144	135	12	12.48	4.45	5.67	5.31	26.4
0.4	1/2	4	THM05-608	388	132	162	135	14	13.31	5.12	6.38	5.31	30.8

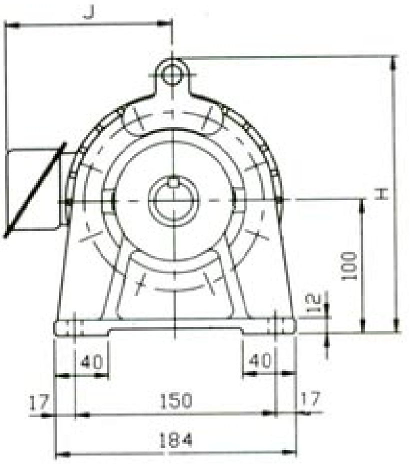
THM-609

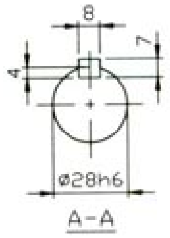


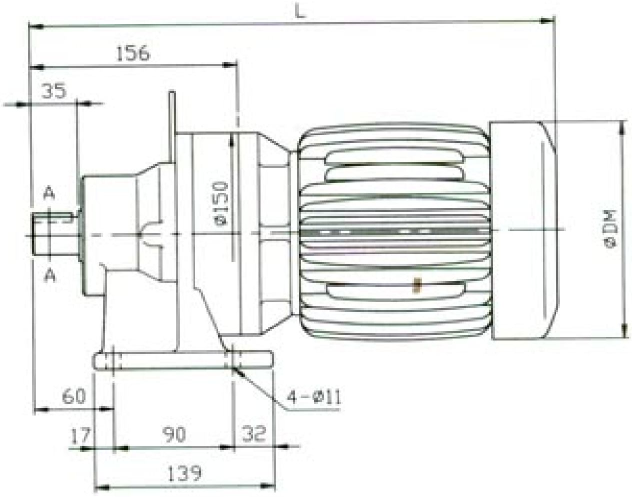


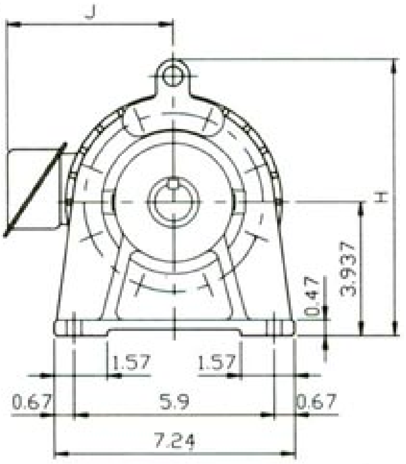
Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	THM02-609	361	121	144	207	19	14.21	4.76	5.67	8.15	41.8
0.4	1/2	4	THM05-609	382	132	162	207	23	15.04	5.20	6.38	8.15	50.6
0.75	1	4	THM1-609	381	137	177	207	27	15.00	5.39	6.97	8.15	59.4

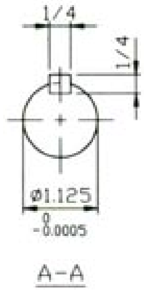
THM-610

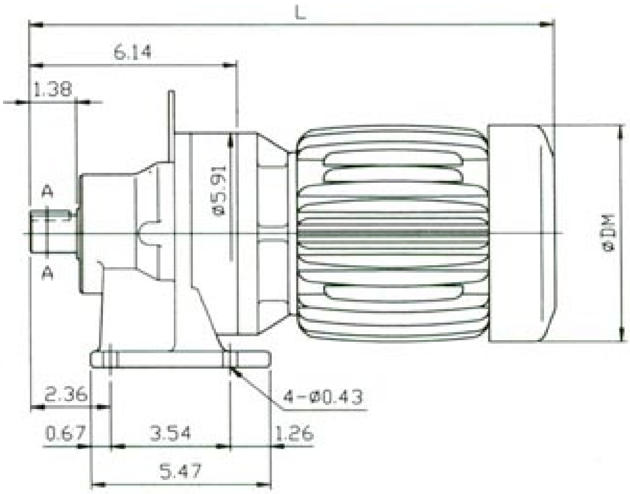






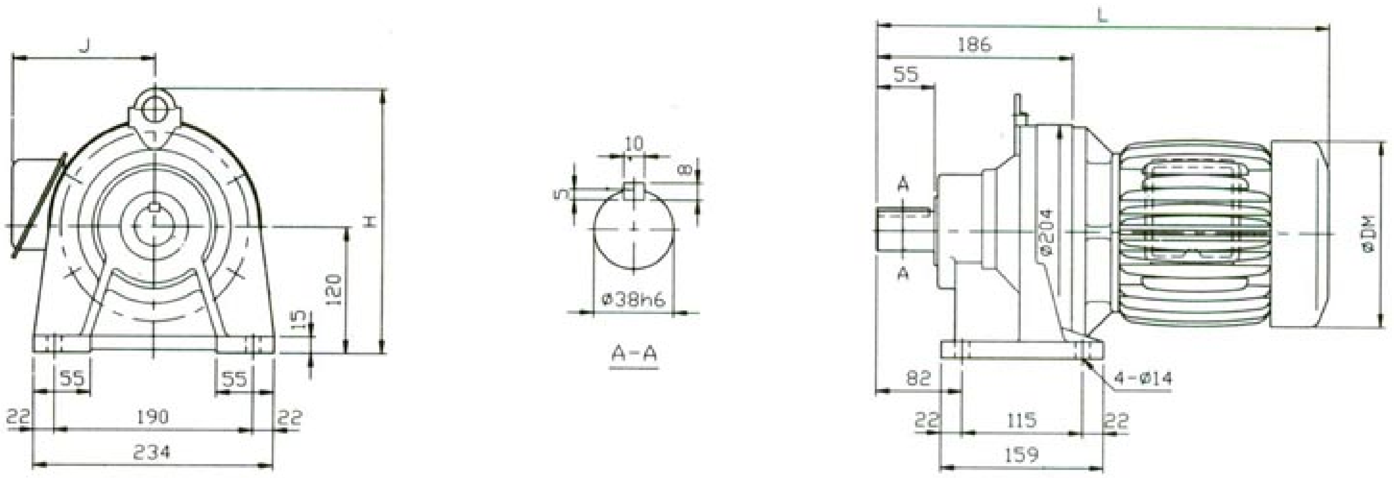


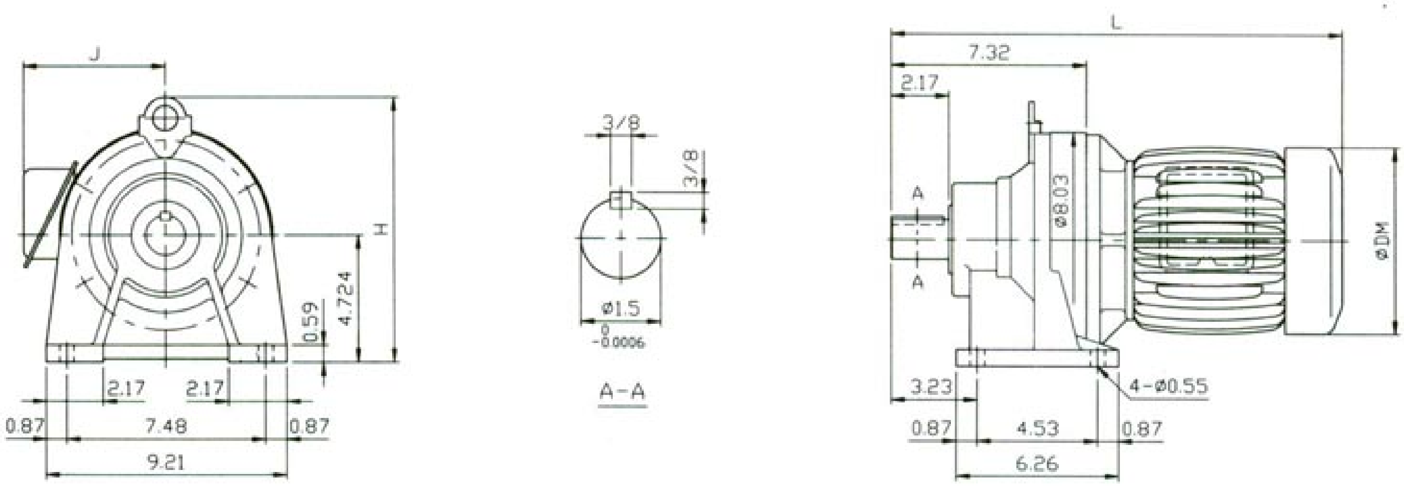




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	THM02-610	375	121	144	207	23	14.76	4.76	5.67	8.15	50.60
0.4	1/2	4	THM05-610	396	132	162	207	25	15.59	5.20	6.38	8.19	55.00
0.75	1	4	THM1-610	395	137	177	207	29	15.55	5.39	6.97	8.15	63.80
1.5	2	4	THM2-610	432	150	200	207	37	17.01	5.91	7.87	8.15	81.40
2.2	3	4	THM3-610	467	173	219	225	47	18.39	6.81	8.62	8.86	103.4

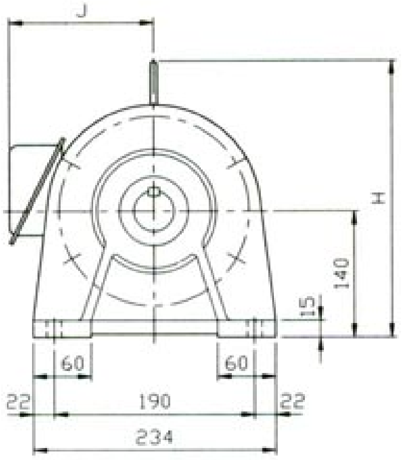
THM-611

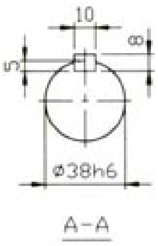


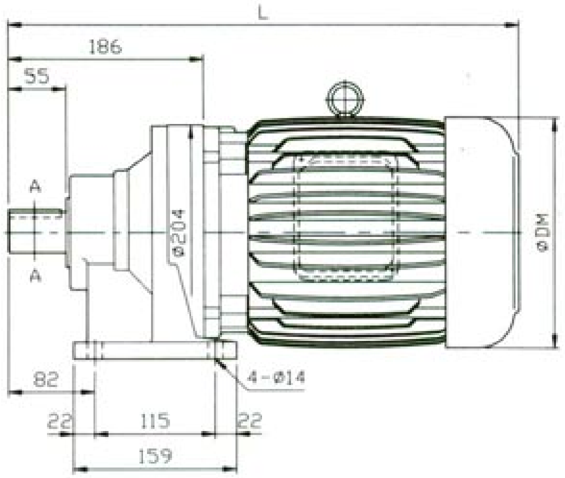


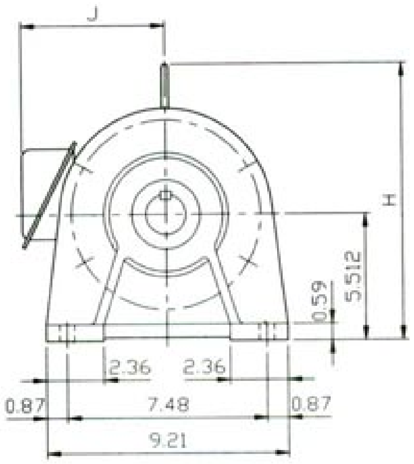
Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	THM05-611	425	132	162	257	35	16.73	5.20	6.38	10.12	77.0
0.75	1	4	THM1-611	434	137	177	257	40	17.59	5.39	6.97	10.12	88.0
1.5	2	4	THM2-611	471	156	197	257	49	18.54	6.14	7.76	10.12	107.8
2.2	3	4	THM3-611	497	173	219	257	58	19.57	6.81	8.62	10.12	127.6
3.7	5	4	THM5-611	513	188	252	276	67	20.20	7.40	9.37	10.87	147.4

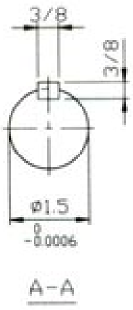
THM-612

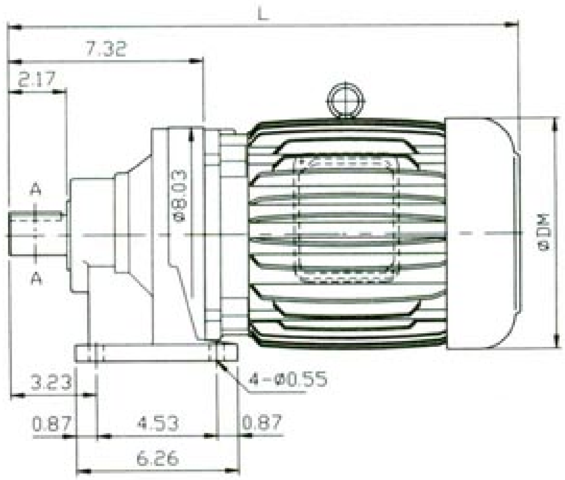






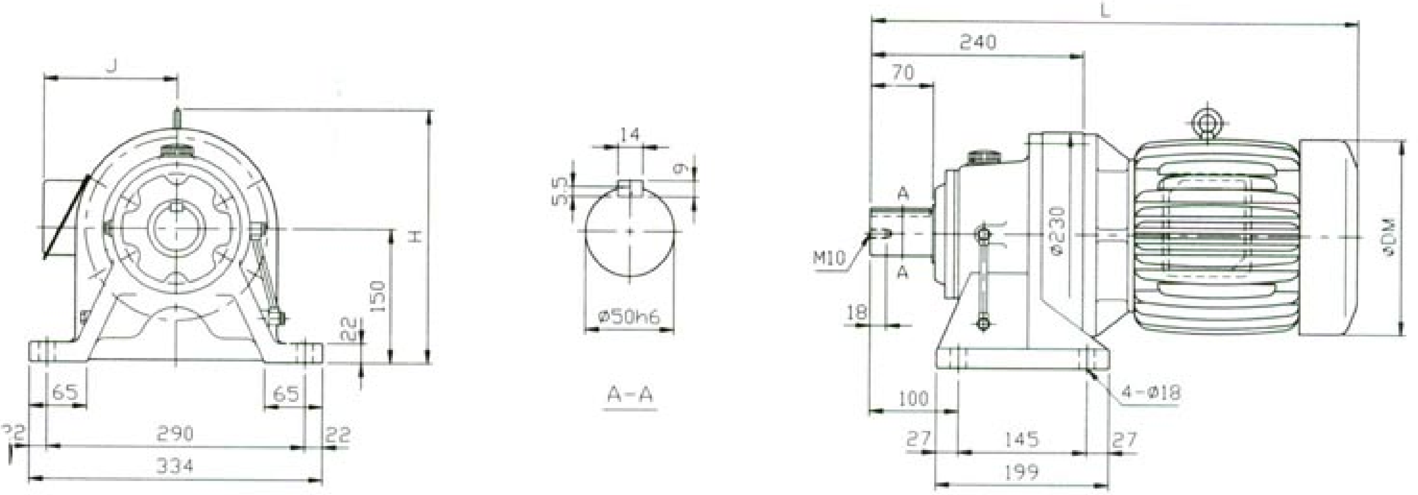


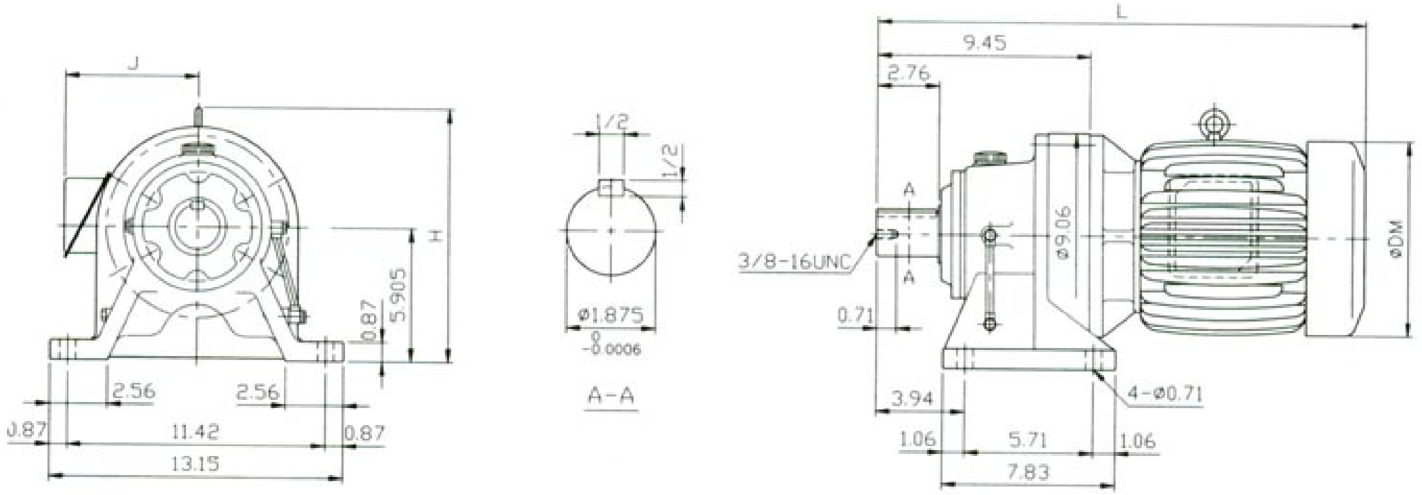




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THM1-612	434	137	177	277	41	17.09	5.39	6.97	10.90	90.20
2.2	3	4	THM3-612	497	173	219	277	61	19.57	6.81	8.62	10.90	134.2
3.7	5	4	THM5-612	513	188	238	280	70	20.2	7.40	9.37	11.02	154.0
5.5	7.5	4	THM8-612	557	223	273	318	96	21.93	8.78	10.75	12.52	211.2

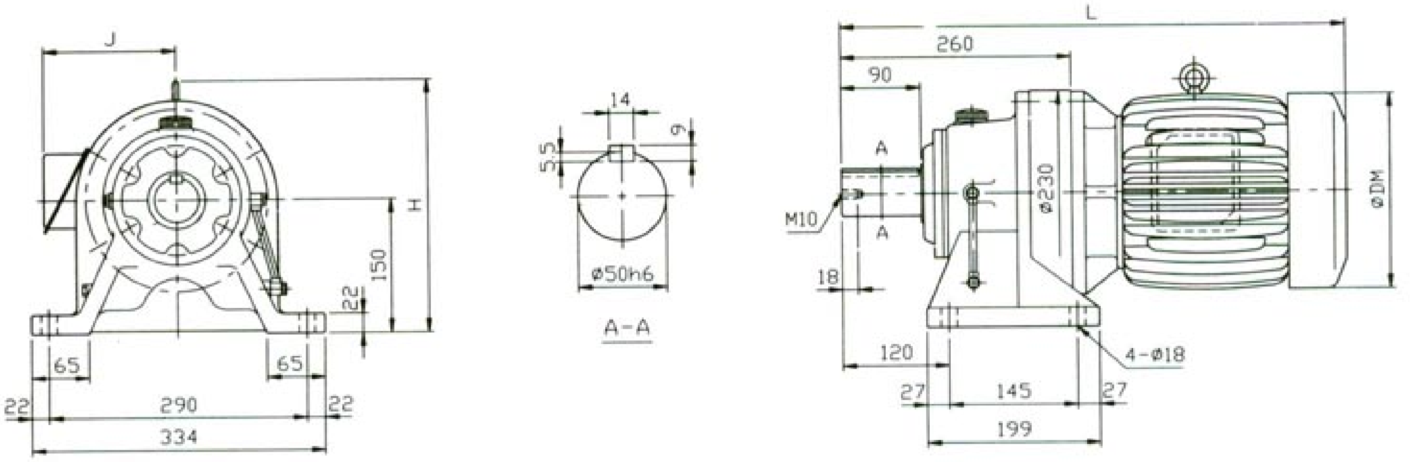
THHM-613

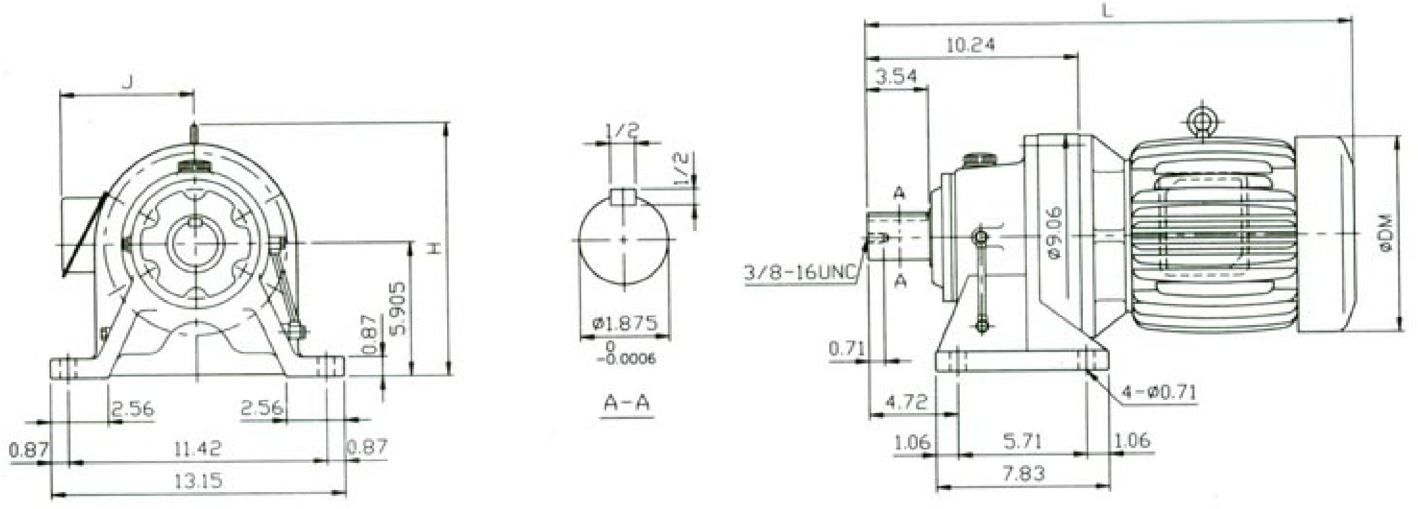




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1-613	484	143	177	300	59	19.06	5.63	6.97	11.81	129.8
1.5	2	4	THHM2-613	524	150	200	300	67	20.63	5.91	7.87	11.81	147.4
2.2	3	4	THHM3-613	551	173	219	300	79	21.69	6.81	8.62	11.81	173.8
3.7	5	4	THHM5-613	570	187	238	303	88	22.44	7.36	9.37	11.93	193.6
5.5	7.5	4	THHM8-613	614	218	273	328	104	24.17	8.58	10.75	12.91	228.2
7.5	10	4	THHM10-613	652	223	273	328	116	25.67	8.78	10.75	12.91	255.2

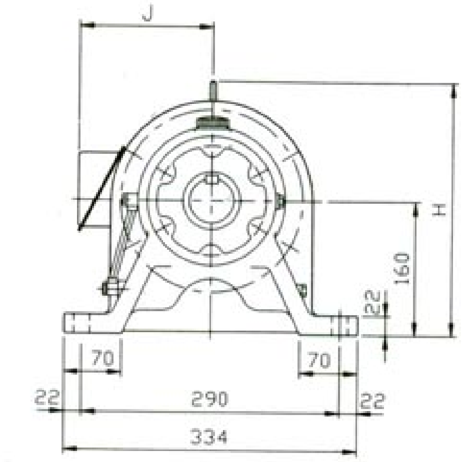
THHM-614

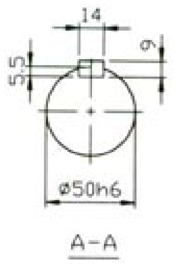


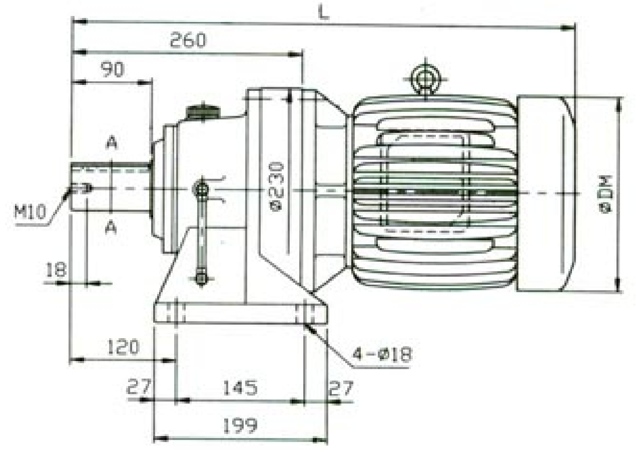


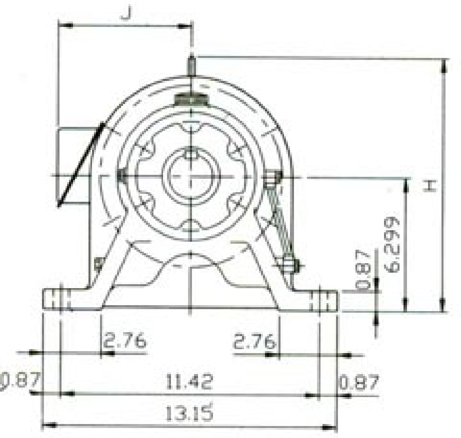
Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1-614	504	143	177	300	60	19.84	5.63	6.97	11.81	132.0
1.5	2	4	THHM2-614	544	150	200	300	68	21.42	5.91	7.87	11.81	149.6
2.2	3	4	THHM3-614	571	173	219	300	80	22.48	6.81	8.62	11.81	176.0
3.7	5	4	THHM5-614	590	187	238	303	89	23.22	7.36	9.37	11.93	195.8
5.5	7.5	4	THHM8-614	634	218	273	328	104	24.96	8.58	10.75	12.91	228.8
7.5	10	4	THHM10-614	672	223	273	328	116	26.46	8.78	10.75	12.91	255.2

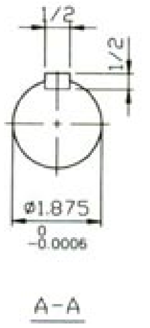
THHM-615

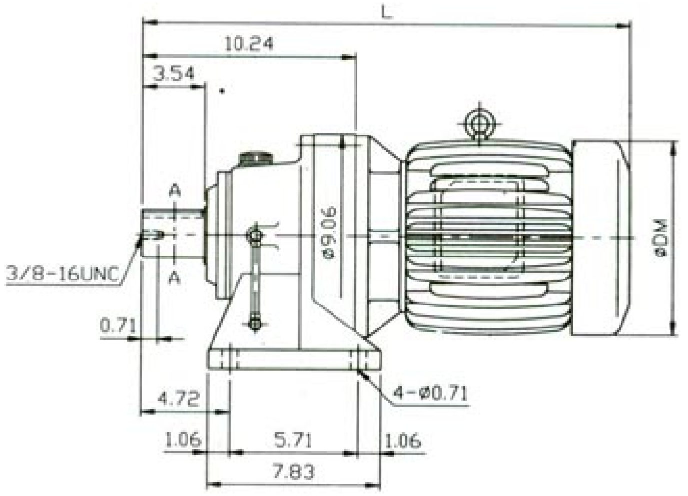






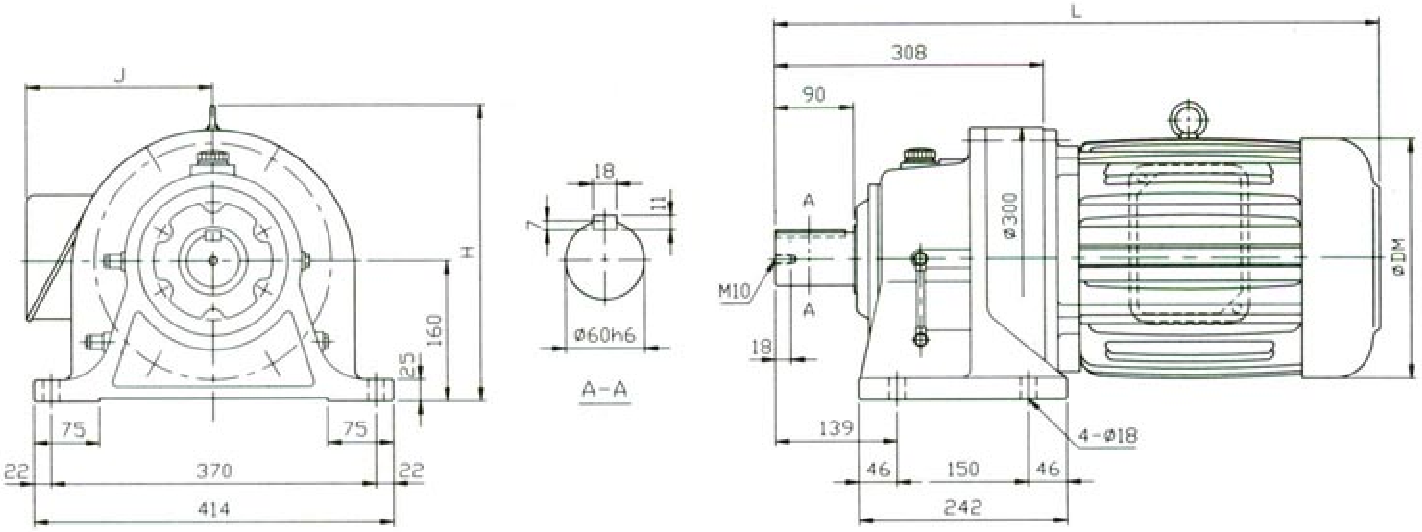


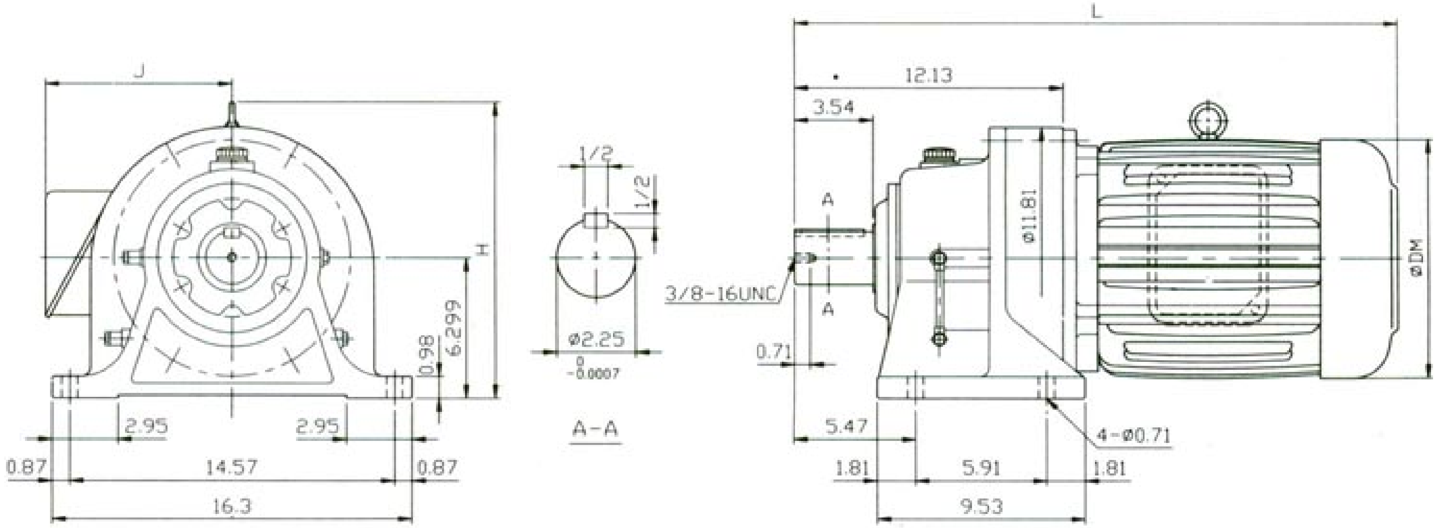




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1-615	504	143	177	310	60	19.84	5.63	6.97	12.20	132.0
1.5	2	4	THHM2-615	544	150	200	310	68	21.42	5.91	7.87	12.20	149.6
2.2	3	4	THHM3-615	571	173	219	310	80	22.48	6.81	8.62	12.20	176.0
3.7	5	4	THHM5-615	590	187	238	313	91	23.23	7.36	9.37	12.32	200.2
5.5	7.5	4	THHM8-615	634	218	273	338	107	24.96	8.58	10.75	13.31	235.4
7.5	10	4	THHM10-615	672	223	273	338	119	26.46	8.78	10.75	13.31	261.8
11	15	4	THHM15-615	752	256	334	362	150	29.61	10.08	13.15	14.25	330.0

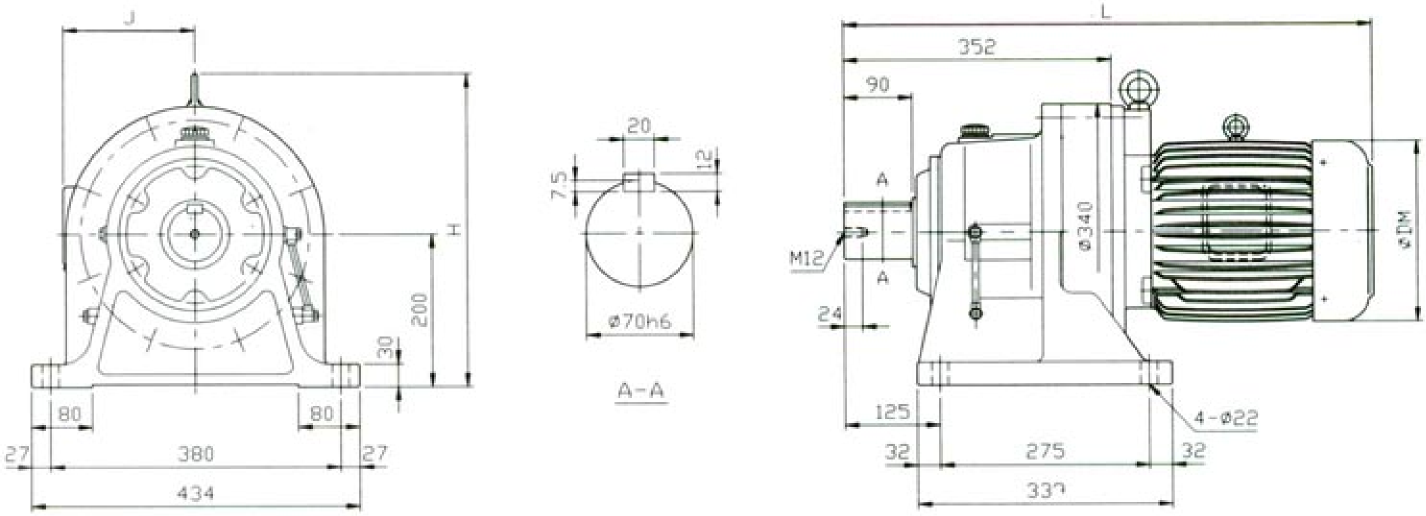
THHM-616

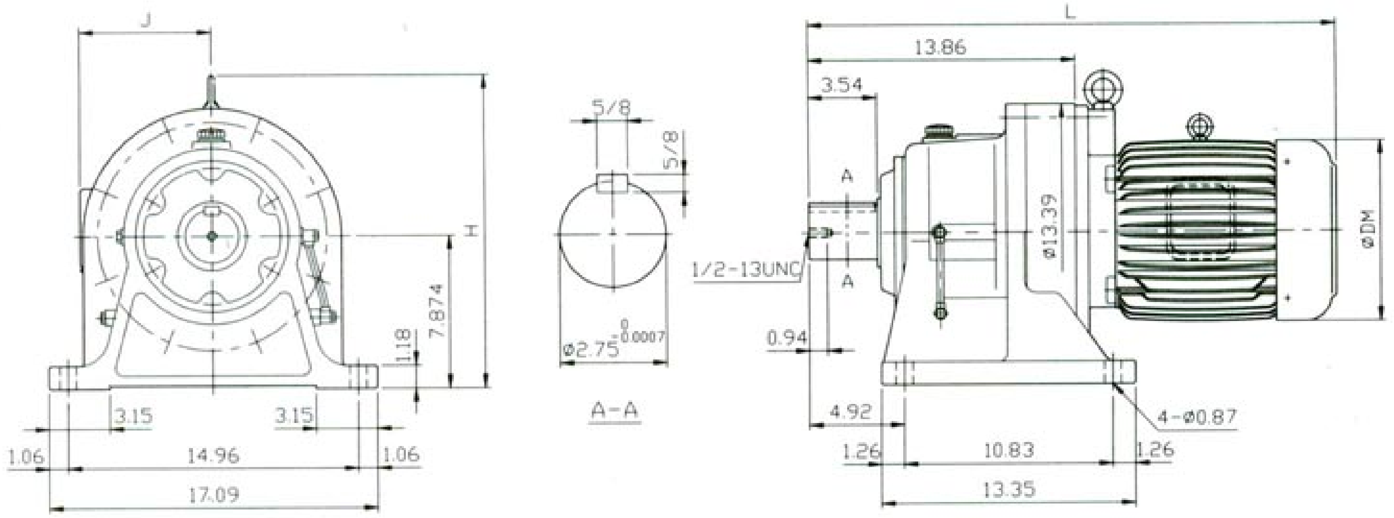




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
1.5	2	4	THHM2-616	593	150	200	320	109	23.35	5.91	7.87	12.60	239.8
2.2	3	4	THHM3-616	622	173	219	320	120	24.49	6.81	8.62	12.60	264.0
3.7	5	4	THHM5-616	641	182	238	320	129	25.24	7.17	9.37	12.60	238.8
5.5	7.5	4	THHM8-616	675	219	273	338	145	26.57	8.62	13.31	13.31	319.0
7.5	10	4	THHM10-616	713	219	273	338	157	28.07	8.62	13.31	13.31	345.4
11	15	4	THHM15-616	800	256	334	377	189	31.05	10.08	14.84	14.84	415.8
15	20	4	THHM20-616	844	256	334	377	208	33.23	10.08	14.84	14.84	457.6

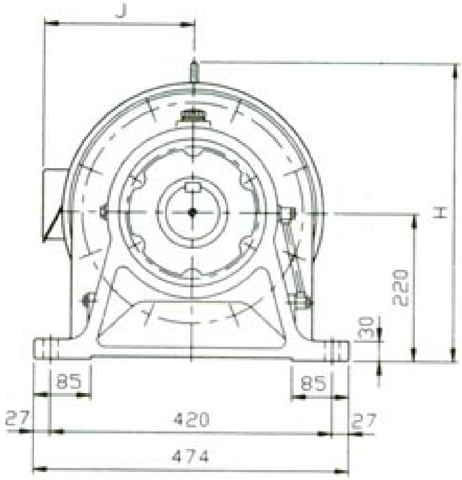
THHM-617

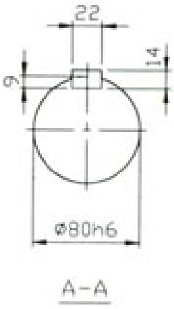


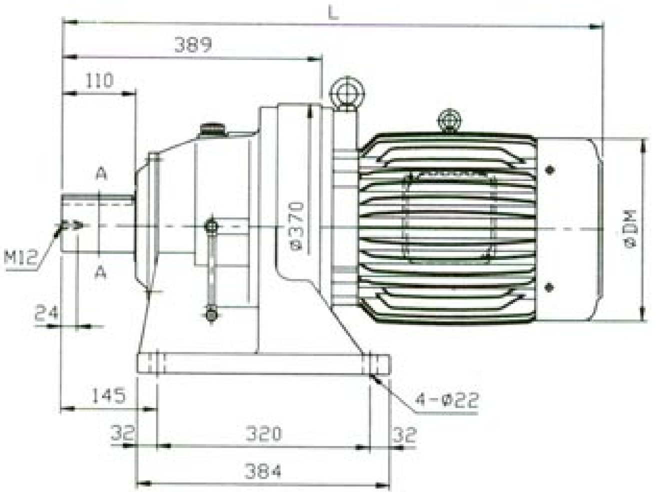


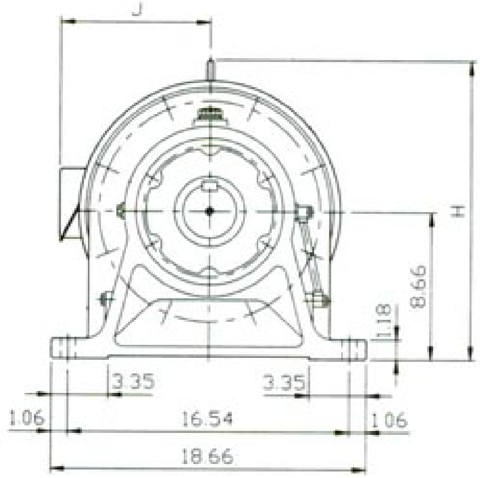
Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	THHM5-617	697	182	238	411	172	27.44	7.17	9.37	16.18	378.4
5.5	7.5	4	THHM8-617	731	218	273	411	189	28.78	8.58	10.75	16.18	415.8
7.5	10	4	THHM10-617	769	218	273	411	200	30.28	8.58	10.75	16.18	440.0
11	15	4	THHM15-617	844	256	334	411	220	33.23	10.08	13.15	16.18	484.0
15	20	4	THHM20-617	888	256	334	411	235	34.96	10.08	13.15	16.18	517.0
18.5	25	4	THHM25-617	911	305	382	430	303	35.87	12.01	15.04	16.93	666.6
22	30	4	THHM30-617	911	305	382	430	303	35.87	12.01	15.04	16.93	666.6

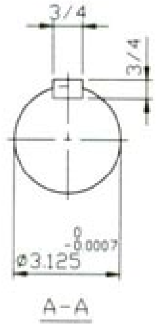
THHM-618

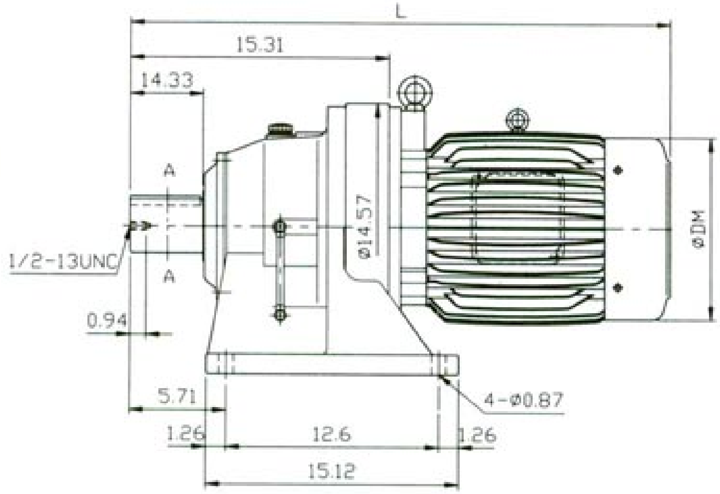






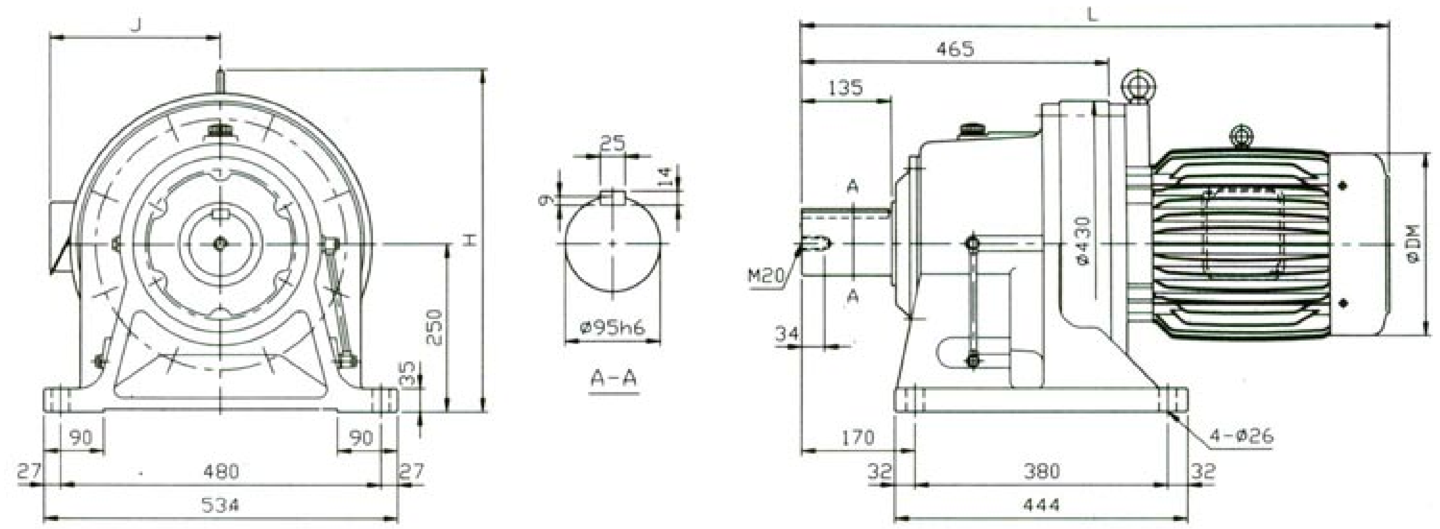


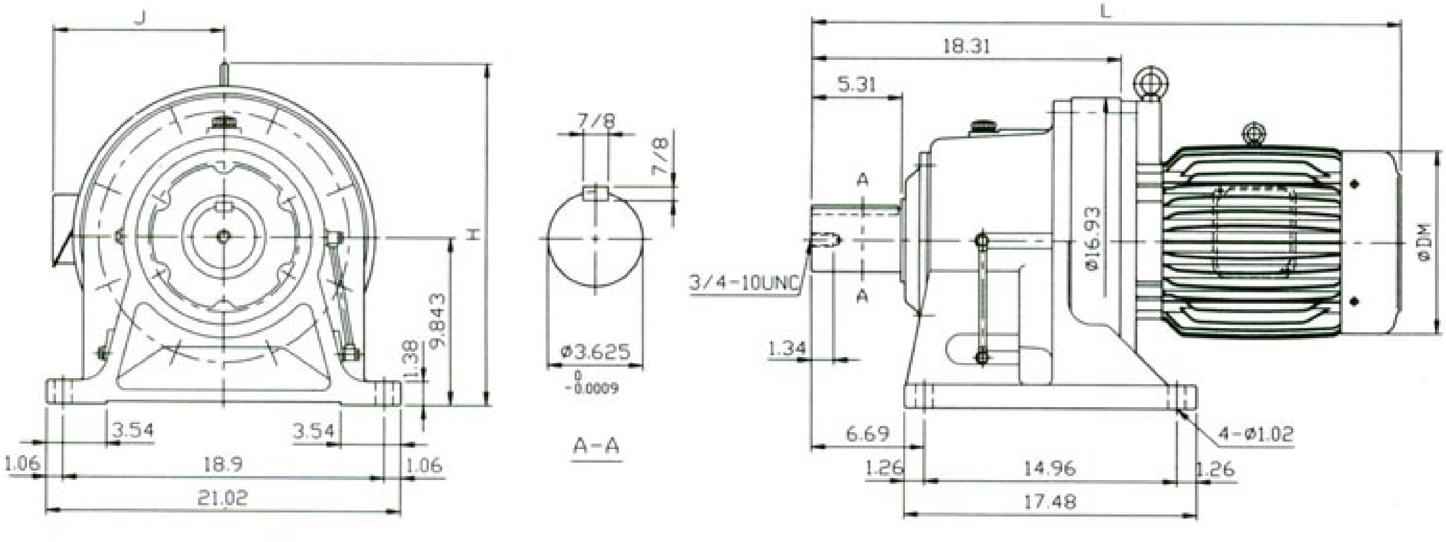




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	THHM5-618	756	182	238	446	185	29.76	7.17	9.37	17.56	407.0
5.5	7.5	4	THHM8-618	775	218	273	446	192	30.51	8.58	10.75	17.56	422.8
7.5	10	4	THHM10-618	815	218	273	446	205	32.09	8.58	10.75	17.56	451.0
11	15	4	THHM15-618	883	224	334	446	219	34.76	8.82	13.15	17.56	481.8
15	20	4	THHM20-618	927	256	334	446	279	36.50	10.08	13.15	17.56	613.8
18.5	25	4	THHM25-618	950	305	382	460	343	37.40	10.08	15.04	18.11	750.2
22	30	4	THHM30-618	950	305	382	460	343	37.40	12.01	15.04	18.11	754.2
30	40	4	THHM40-618	988	305	382	460	343	38.90	12.01	15.04	18.11	754.6

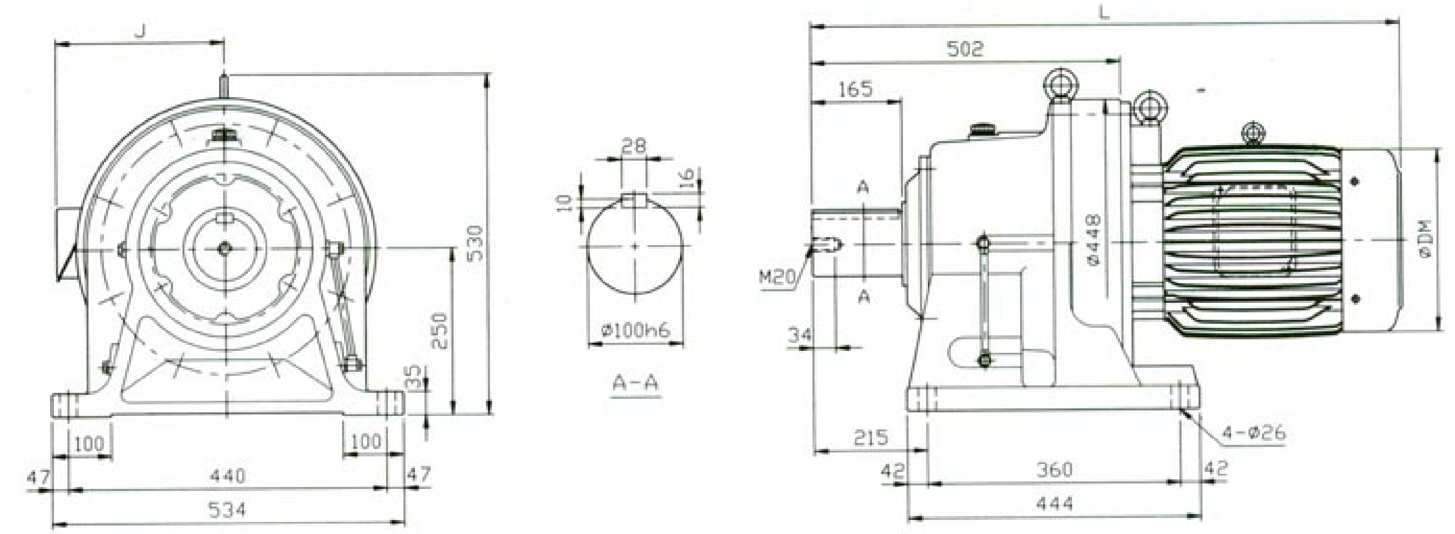
THHM-619

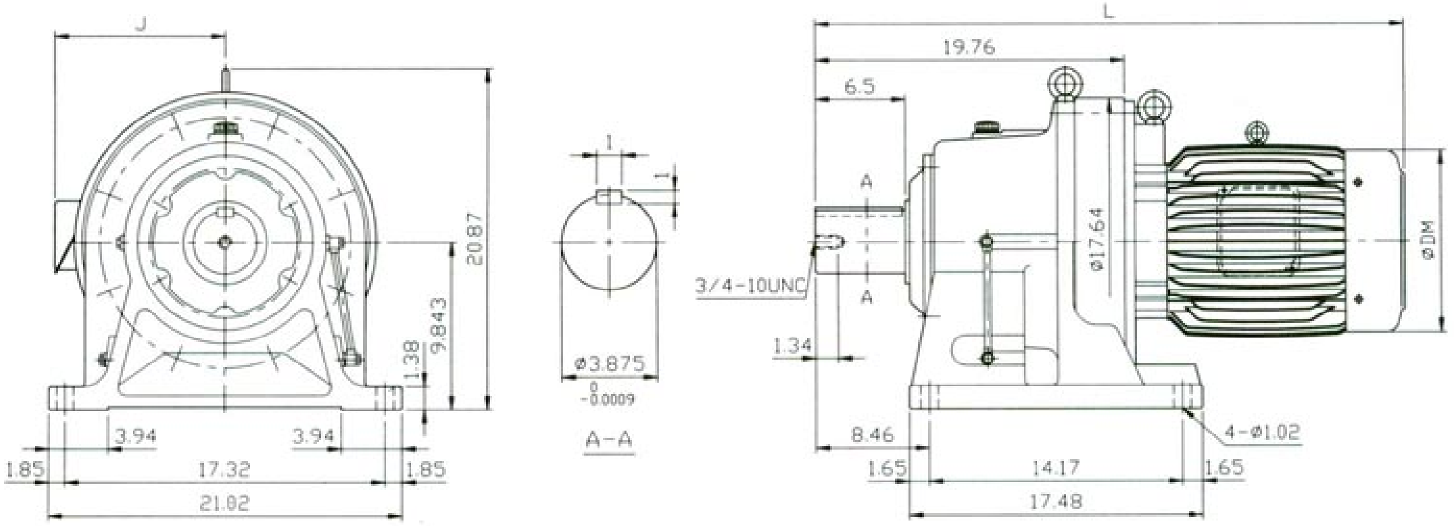




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
5.5	7.5	4	THHM8-619	850	224	273	511	301	33.46	8.82	10.75	20.12	662.2
7.5	10	4	THHM10-619	888	224	273	511	313	34.96	8.82	10.75	20.12	688.6
11	15	4	THHM15-619	963	261	334	511	332	37.91	10.28	13.15	20.12	730.4
15	20	4	THHM20-619	1007	261	334	511	344	39.65	10.28	13.15	20.12	756.8
18.5	25	4	THHM25-619	1026	305	382	511	416	40.39	12.01	15.04	20.12	915.2
22	30	4	THHM30-619	1026	305	382	511	416	40.39	12.01	15.04	20.12	915.2
30	40	4	THHM40-619	1026	305	382	511	431	40.39	12.01	15.04	20.12	948.2
37	50	4	THHM50-619	1127	339	420	511	468	44.37	13.35	16.54	20.12	1030

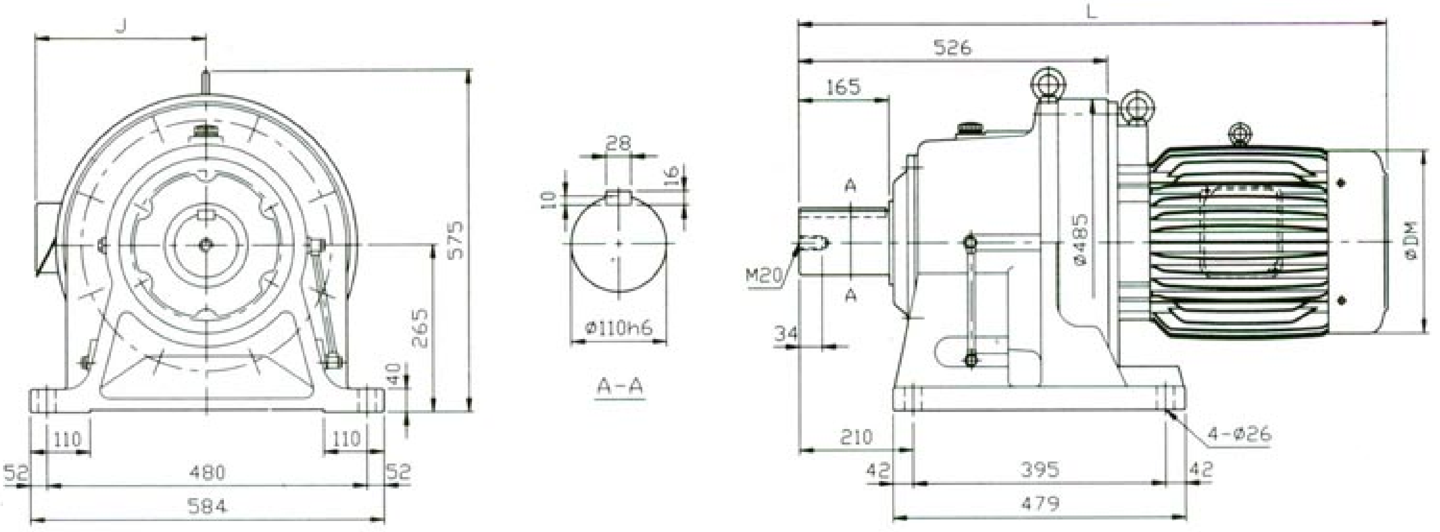
THHM-620

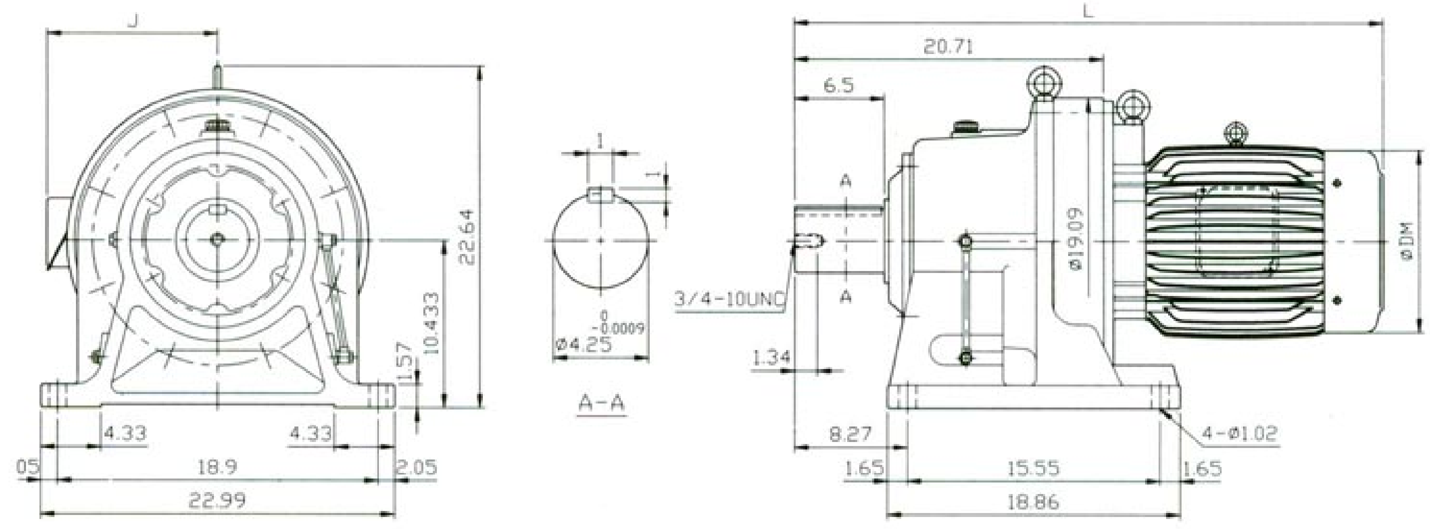




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
11	15	4	THHM15-620	1001	261	334		313	39.41	10.28	13.15		688.6
15	20	4	THHM20-620	1045	261	334		367	41.14	10.28	13.15		807.4
18.5	25	4	THHM25-620	1064	305	328		437	41.89	12.01	15.04		961.4
22	30	4	THHM30-620	1064	305	328		437	41.89	12.01	15.04		961.4
30	40	4	THHM40-620	1102	305	328		450	43.39	12.01	15.04		990.0
37	50	4	THHM50-620	1165	339	420		487	45.87	13.35	16.54		1071
45	60	4	THHM60-620	1165	339	420		487	45.87	13.35	16.54		1071

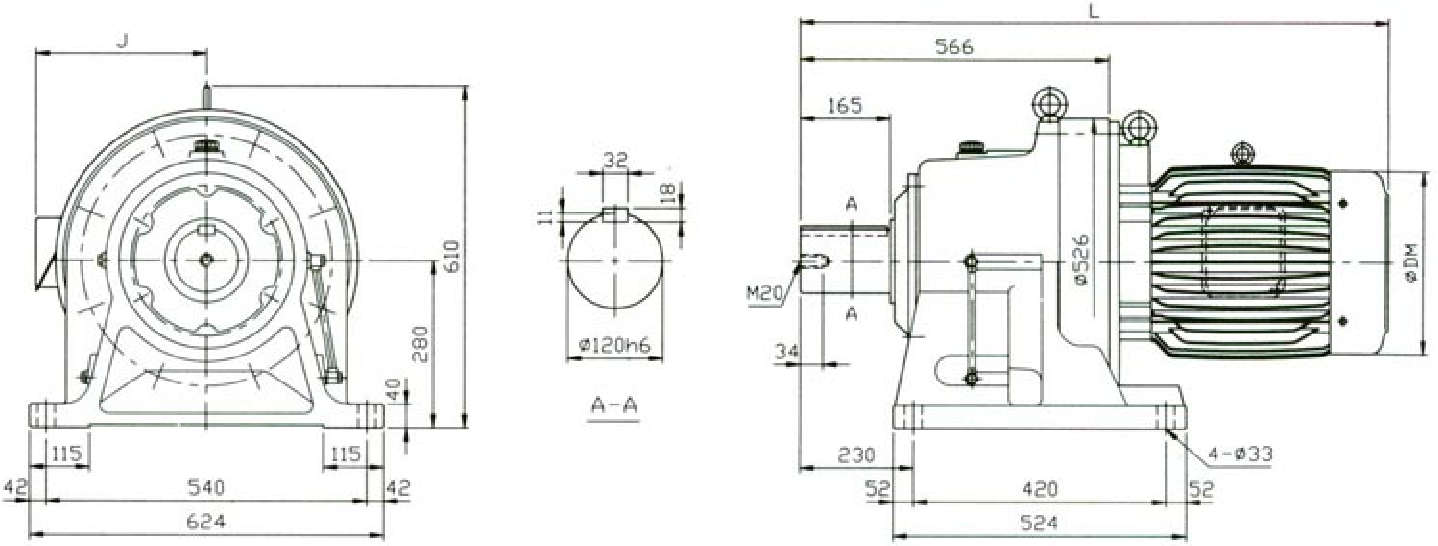
THHM-621

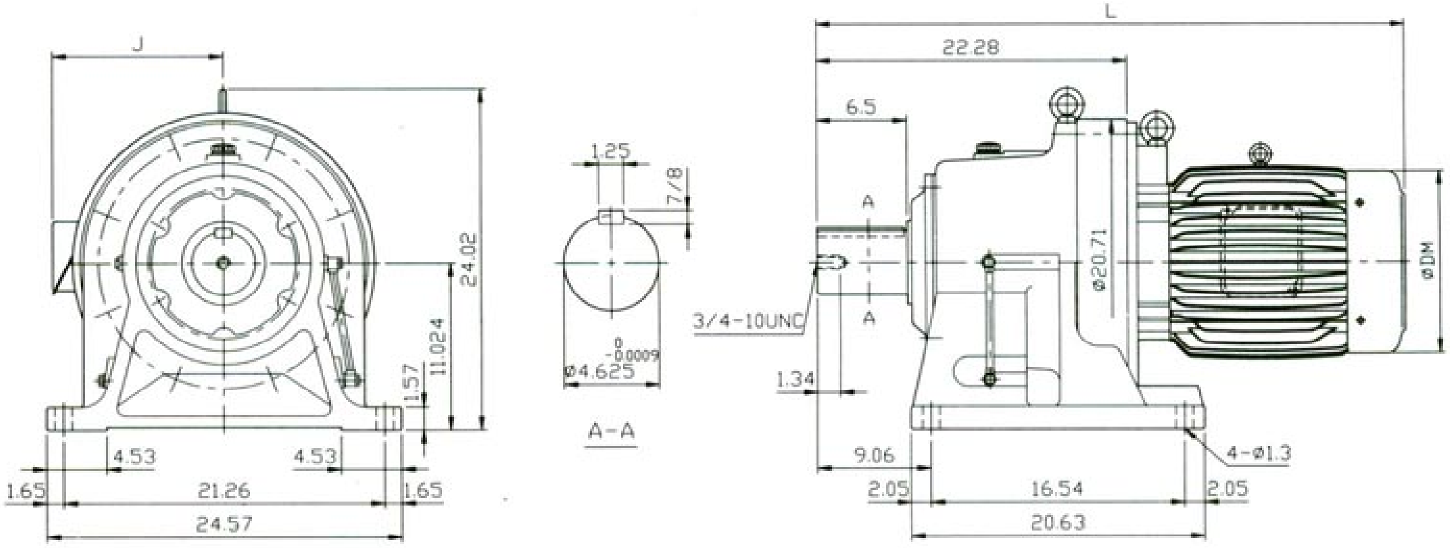




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
11	15	4	THHM15-621	1025	261	334		396	40.35	10.28	13.15		871.2
15	20	4	THHM20-621	1069	261	334		451	42.09	10.28	13.15		992.2
18.5	25	4	THHM25-621	1088	305	382		514	42.83	12.01	15.04		1131
22	30	4	THHM30-621	1088	305	382		514	42.83	12.01	15.04		1131
30	40	4	THHM40-621	1126	305	382		527	44.33	12.01	15.04		1159
37	50	4	THHM50-621	1189	339	420		559	46.81	13.35	16.54		1230
45	60	4	THHM60-621	1189	339	420		559	46.81	13.35	16.54		1230
55	75	4	THHM75-621	1227	387	458		674	48.31	15.24	18.03		1483

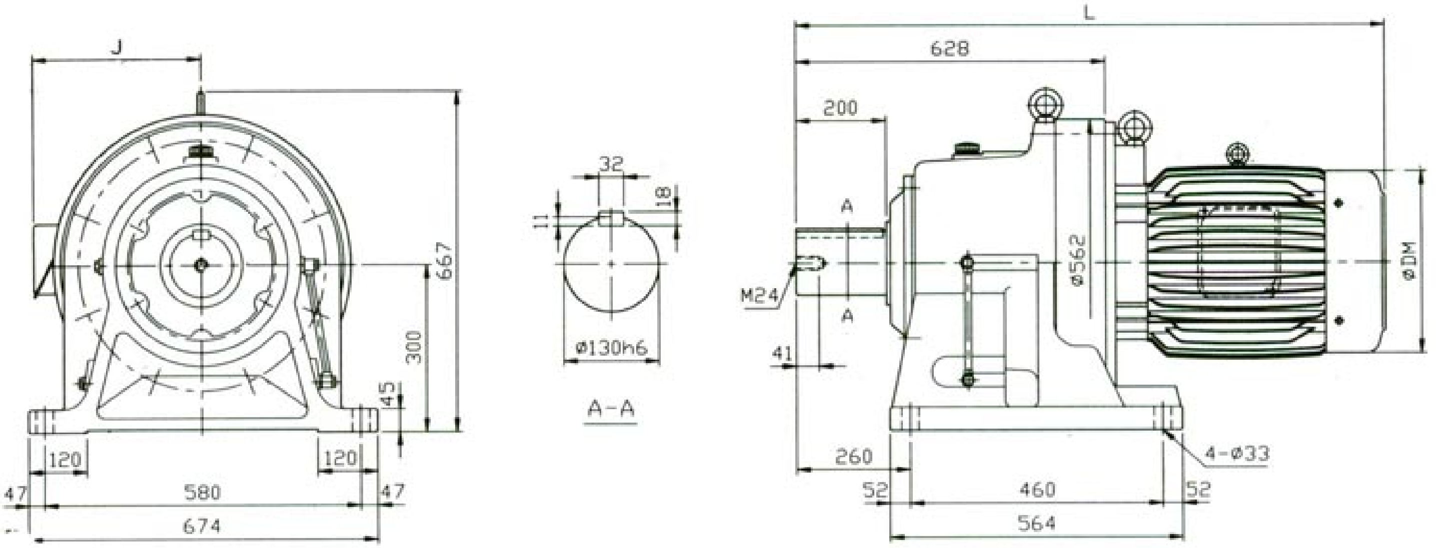
THHM-622

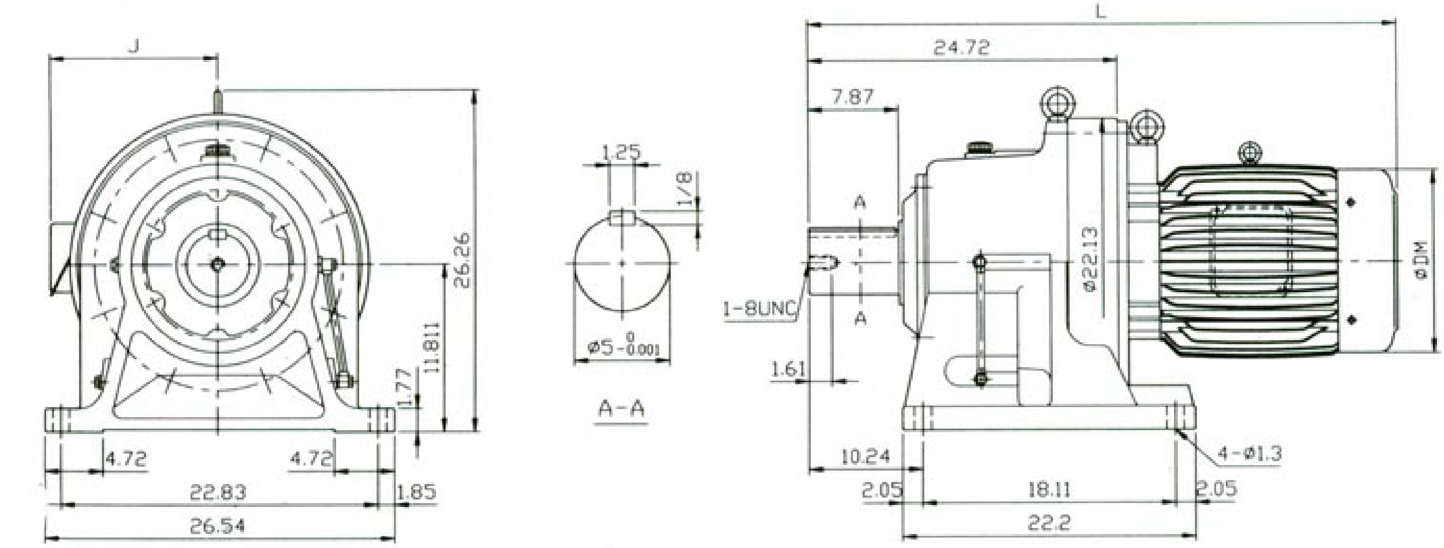




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
18.5	25	4	THHM25-622	1128	305	382		599	44.41	12.01	15.04		1318
22	30	4	THHM30-622	1128	305	382		599	44.41	12.01	15.04		1318
30	40	4	THHM40-622	1166	305	382		612	45.91	12.01	15.04		1346
37	50	4	THHM50-622	1229	339	420		650	48.39	13.35	16.50		1430
45	60	4	THHM60-622	1229	339	420		650	48.39	13.35	16.54		1430
55	75	4	THHM75-622	1289	387	458		749	50.75	13.35	18.03		1648

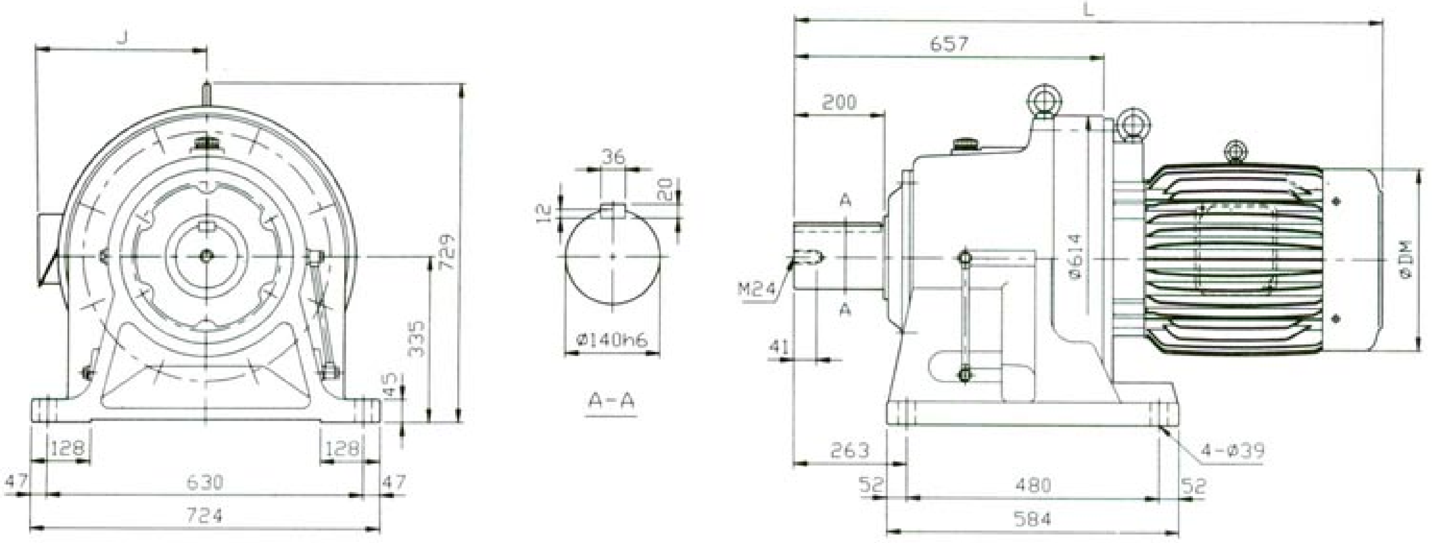
THHM-623

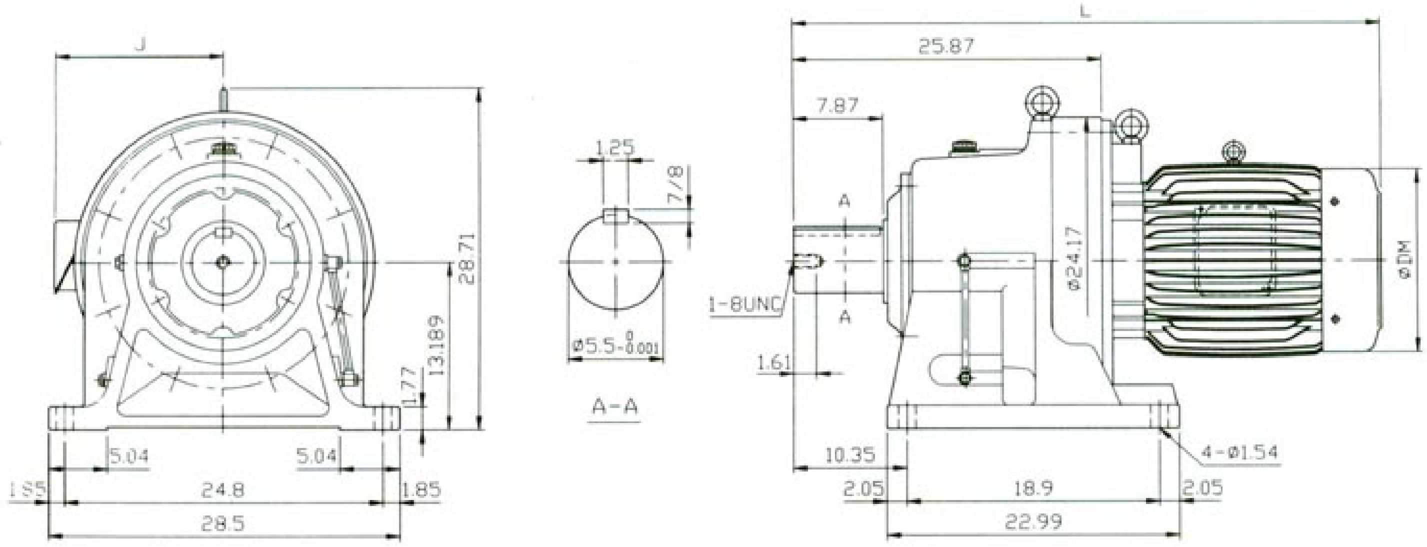




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
15	20	6	THHM20/6-623	1200	305	382		697	47.24	12.01	15.04		1533
18.5	25	6	THHM25/6-623	1238	305	382		697	48.74	12.01	15.04		1533
22	30	6	THHM30/6-623	1238	305	382		697	48.74	12.01	15.04		1533
30	40	6	THHM40/6-623	1400	339	420		743	55.12	13.35	16.54		1635
37	50	6	THHM50/6-623	1430	339	420		743	55.12	13.35	16.54		1635
45	60	6	THHM60/6-623	1165	387	458		832	56.30	15.24	18.03		1830
55	75	6	THHM75/6-623	1165	515	542		886	58.74	15.24	21.34		1949

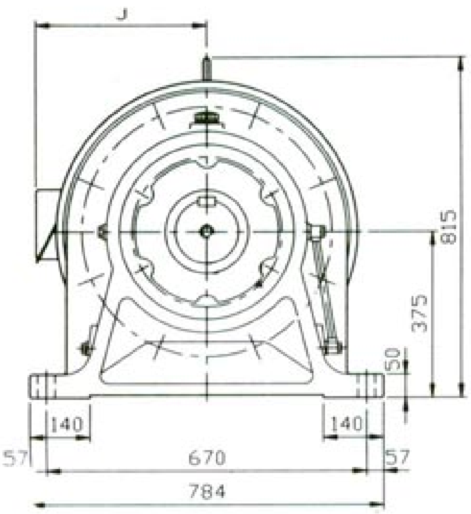
THHM-624

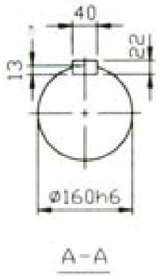


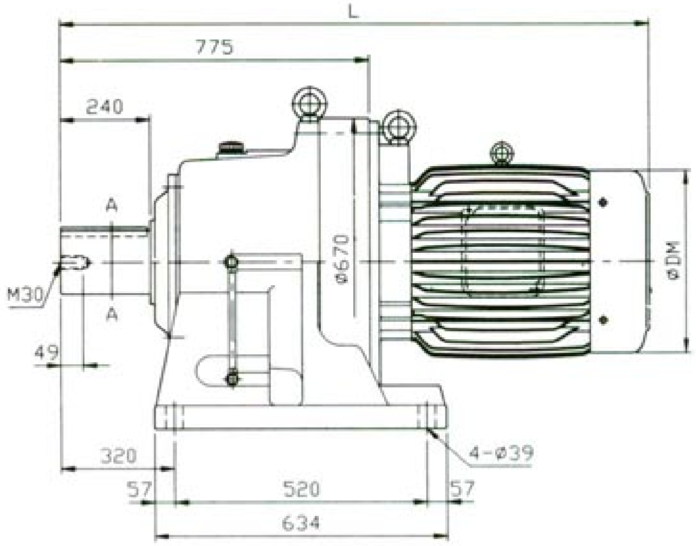


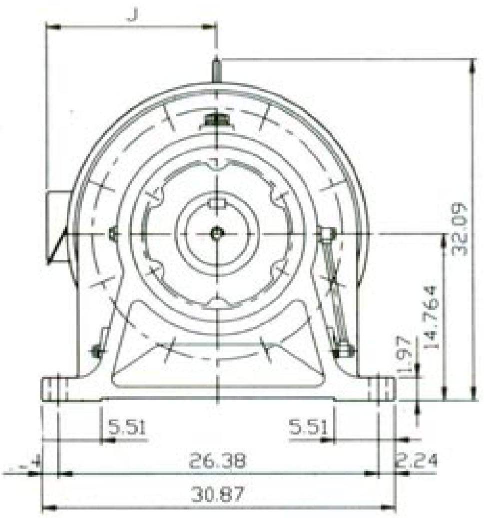
Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
15	20	6	THHM20/6-624	1225	305	382		818	48.23	12.01	15.04		1800
18.5	25	6	THHM25/6-624	1263	305	382		818	49.72	12.01	15.04		1800
22	30	6	THHM30/6-624	1263	305	382		818	49.72	12.01	15.04		1800
30	40	6	THHM40/6-624	1345	339	420		864	52.95	13.35	16.54		1901
37	50	6	THHM50/6-624	1345	339	420		864	52.95	13.35	16.54		1901
45	60	6	THHM60/6-624	1383	387	458		955	54.45	15.24	18.03		2101
55	75	6	THHM75/6-624	1572	515	542		1004	61.89	20.28	21.34		2209

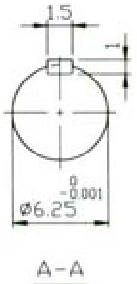
THHM-625

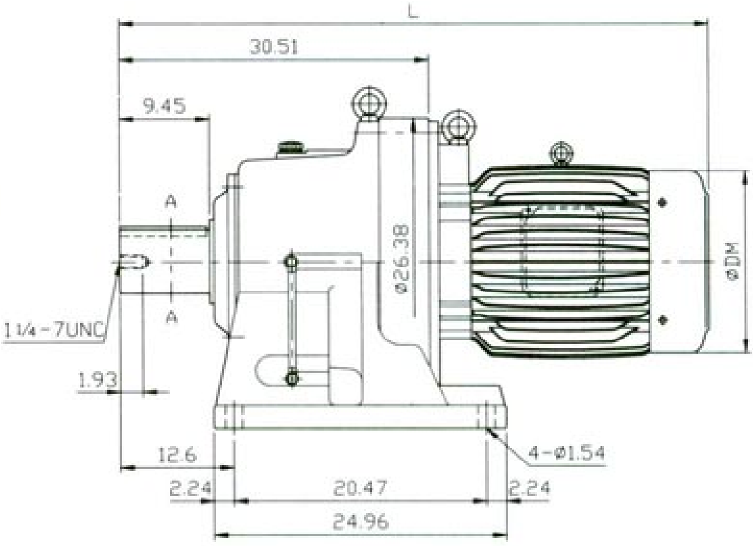






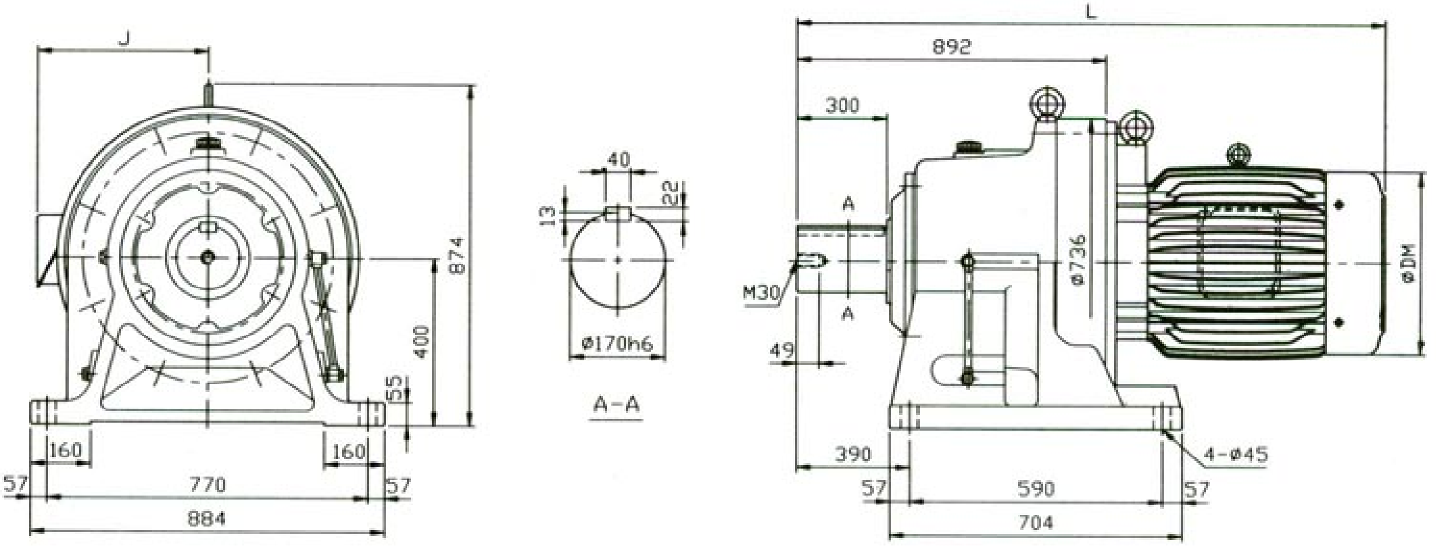


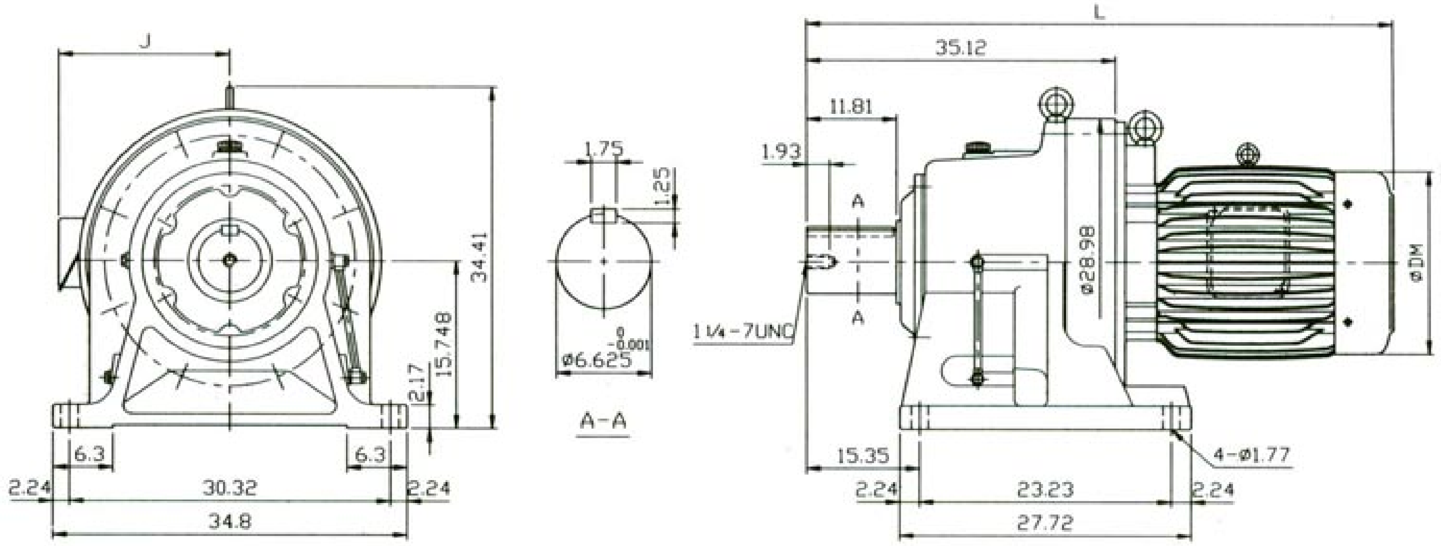




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
15	20	6	THHM20/6-625	1352	305	382		1132	53.23	10.28	13.15		2490
18.5	25	6	THHM25/6-625	1390	305	382		1149	54.72	12.01	15.04		2528
22	30	6	THHM30/6-625	1390	305	382		1149	54.72	12.01	15.04		2528
30	40	6	THHM40/6-625	1453	339	420		1193	57.20	13.35	16.54		2625
37	50	6	THHM50/6-625	1453	339	420		1193	57.20	13.35	16.54		2625
45	60	6	THHM60/6-625	1491	387	458		1273	58.70	15.24	18.03		2801
55	75	6	THHM75/6-625	1540	515	542		1328	60.63	20.28	21.34		2922

THHM-626

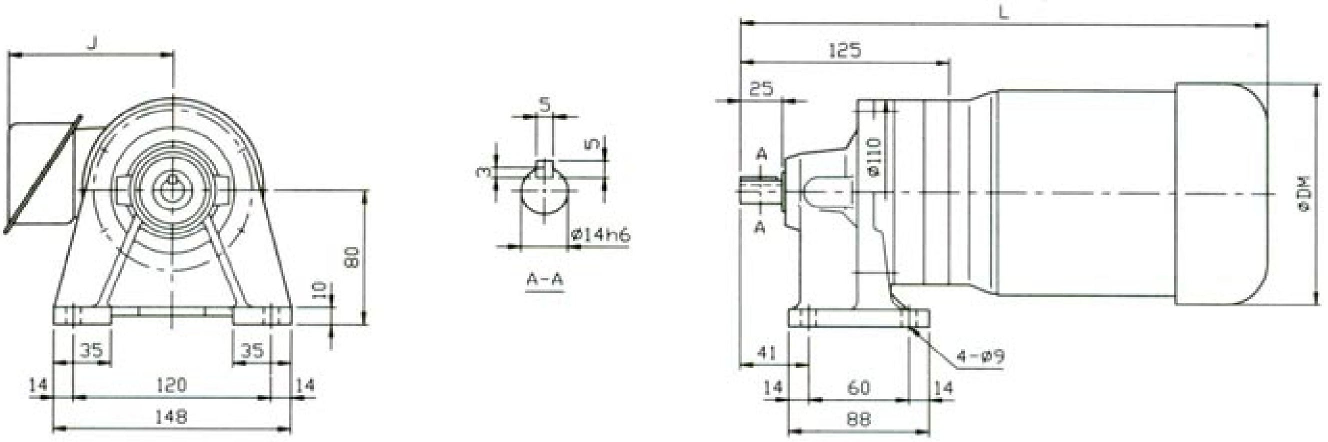


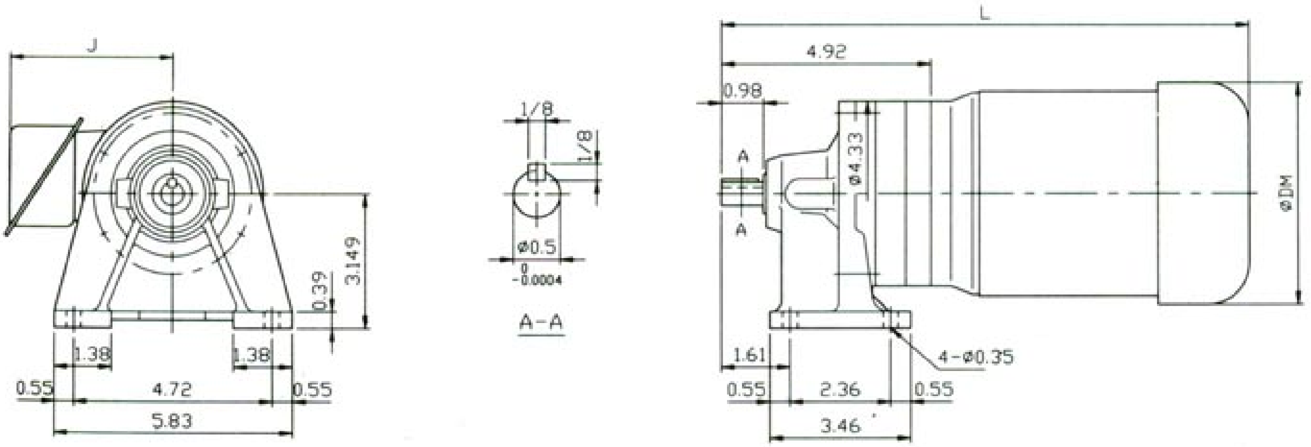


Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
30	40	6	THM40/6-626	1570	339	420		1439	61.81	13.35	16.54		3166
37	50	6	THM50/6-626	1570	339	420		1439	61.81	13.35	16.54		3166
45	60	6	THM60/6-626	1608	387	458		1534	63.31	15.24	18.03		3375

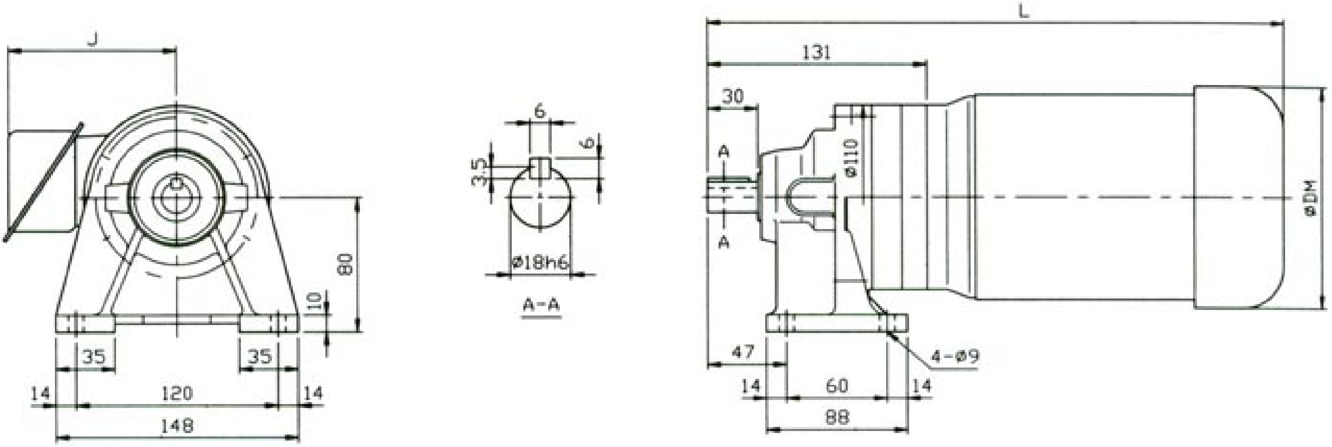
DIMENSION DRAWINGS For Double Stage Reduction, Horizontal TRANSCYKO Gearmotor

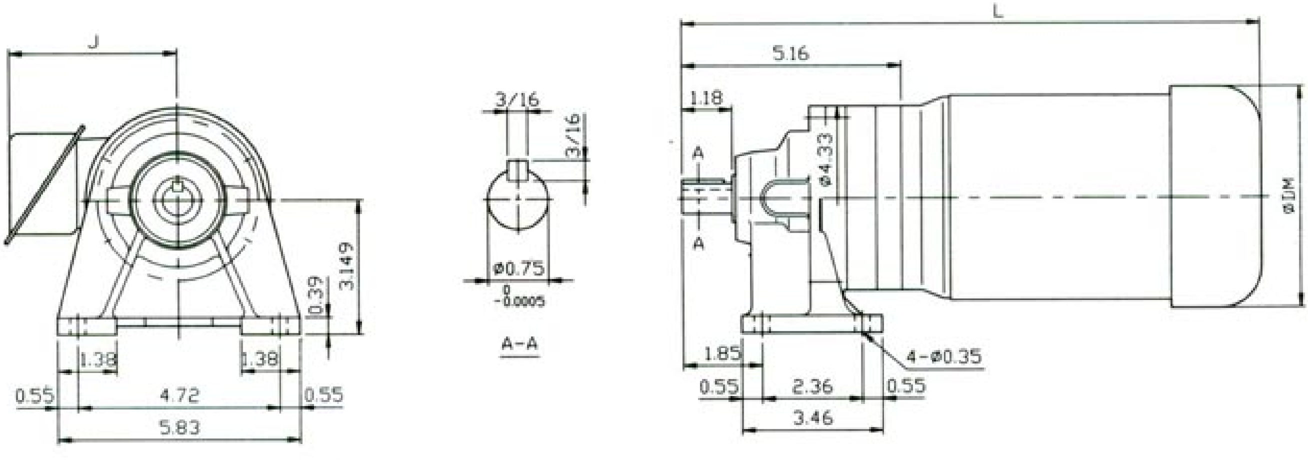
THM-607/07



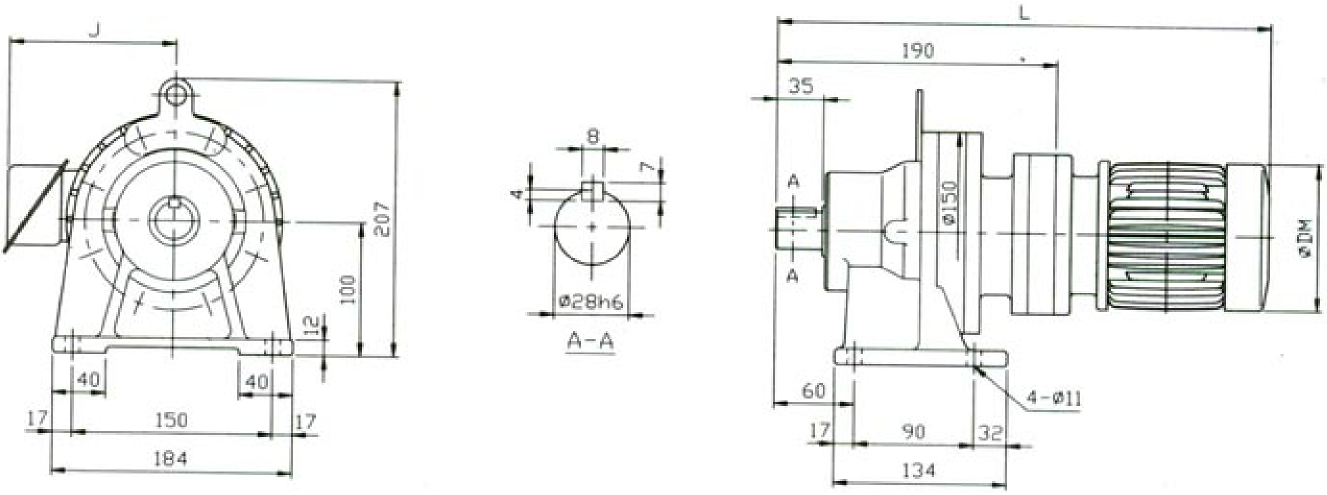


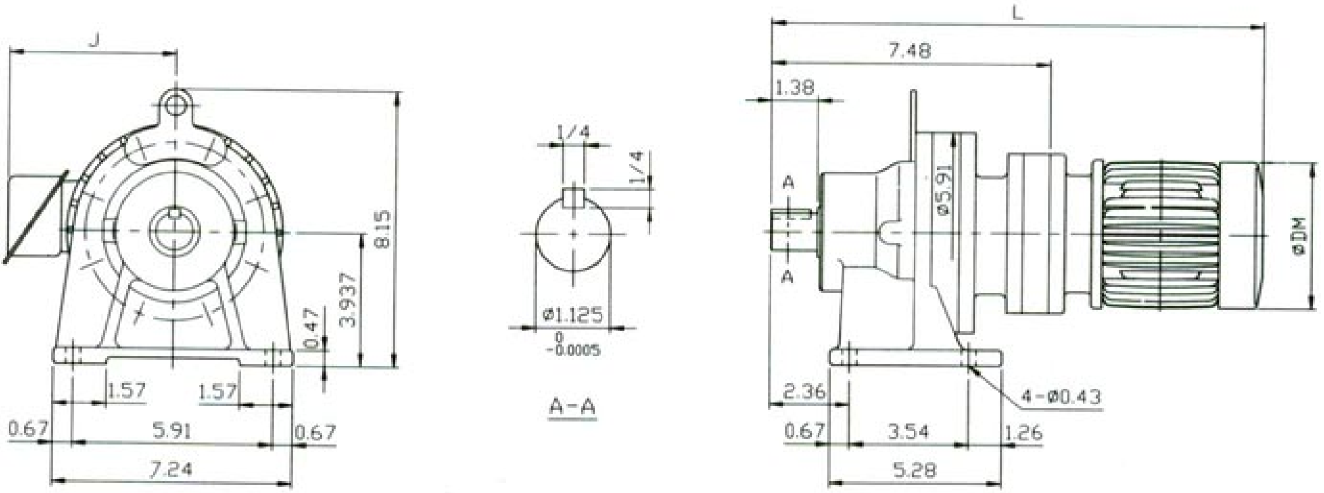
THM-608/07


J
80
10
35
35
14
120
14
148
6
6
3.5
ø18h6
A-A
L
131
30
A
A
ø110
øDM
47
4-ø9
14
60
14
88


J
3.149
0.39
1.38
1.38
0.55
4.72
0.55
5.83
3/16
3/16
ø0.75
0
-0.0005
A-A
L
5.16
1.18
A
A
ø4.33
øDM
1.85
4-ø0.35
0.55
2.36
0.55
3.46

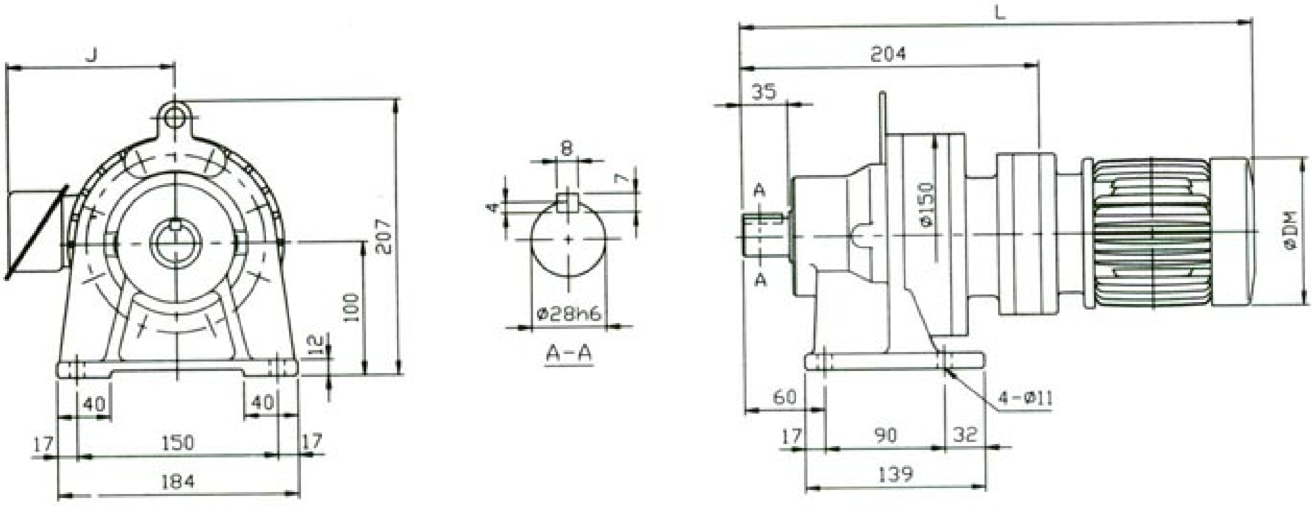
THM-609/08

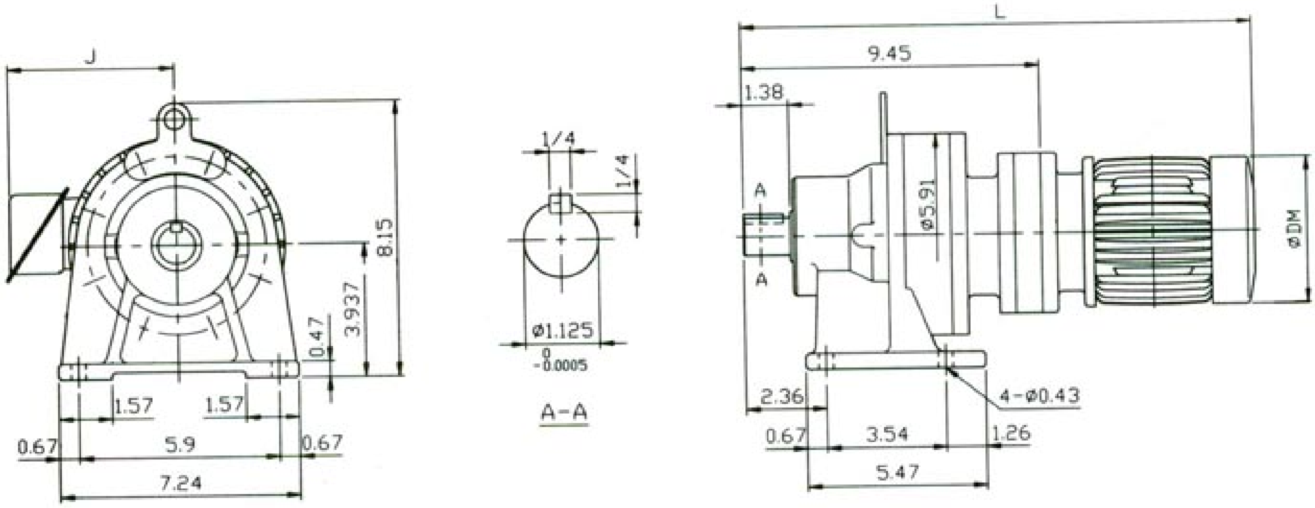




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	THM02-609/08	409	121	144		22	16.10	4.76	5.67		48.4

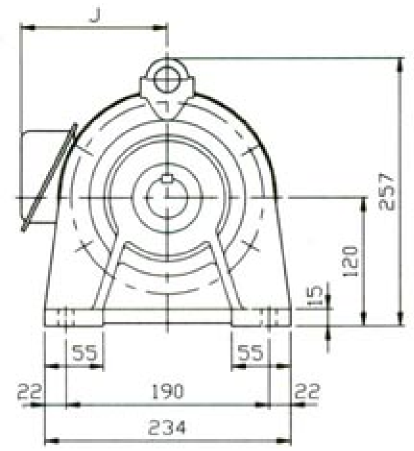
THM-610/08

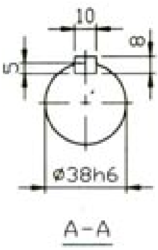


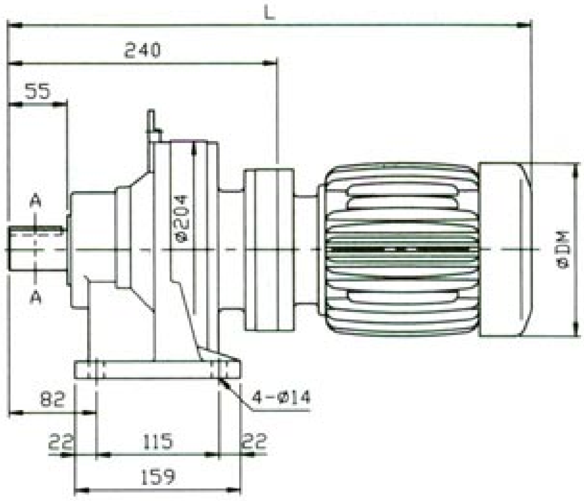


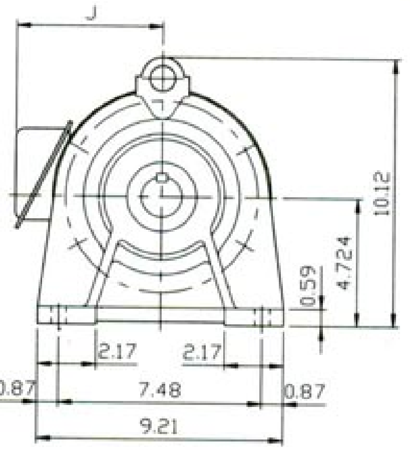
Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	THM02-610/08	423	121	144		24	16.65	4.76	5.67		52.8
0.4	1/2	4	THM05-610/08	444	132	162		27	17.48	5.20	6.38		59.4

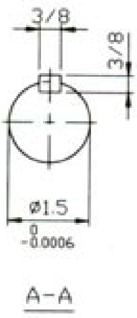
THM-611/08

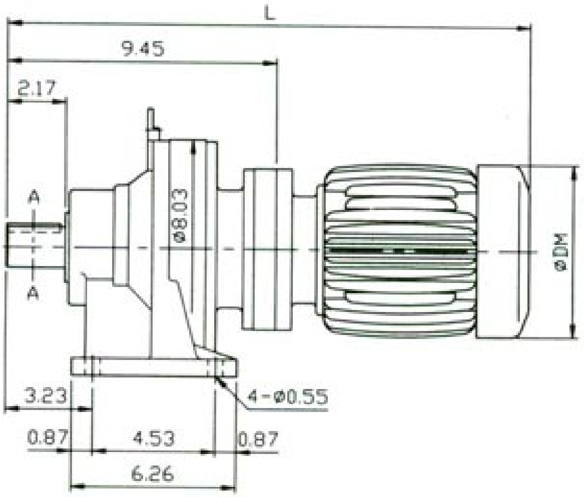






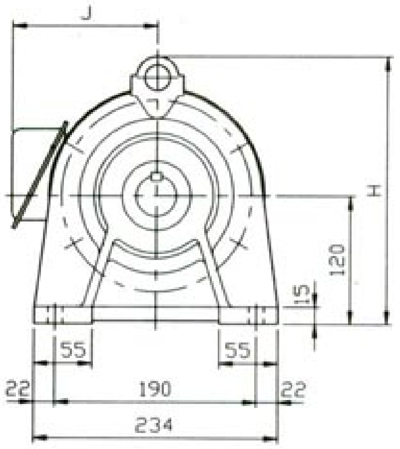


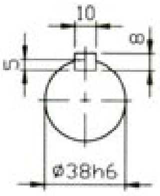




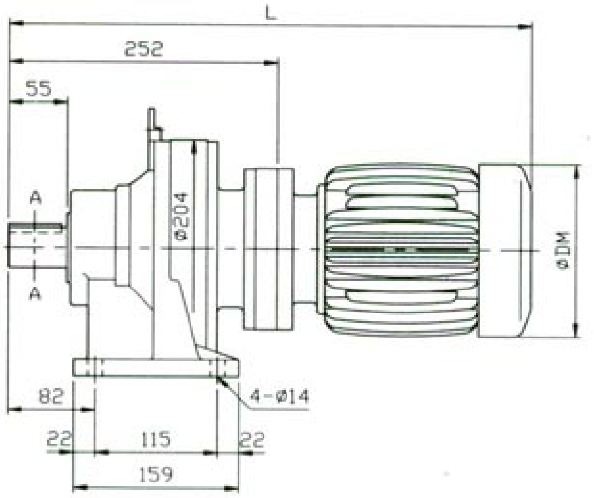
Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	THM02-611/08	459	121	144		34	17.13	4.76	5.67		74.8
0.4	1/2	4	THM05-611/08	480	132	167		38	17.99	5.20	6.38		83.6

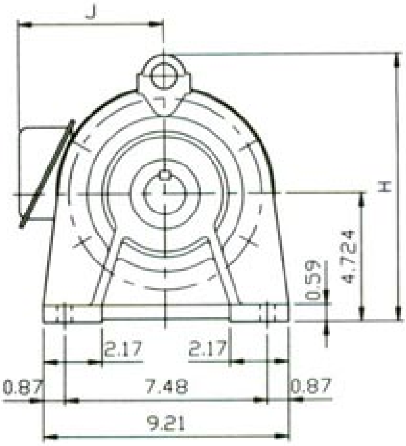
THM-611/09

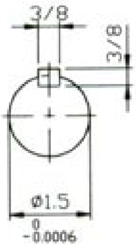




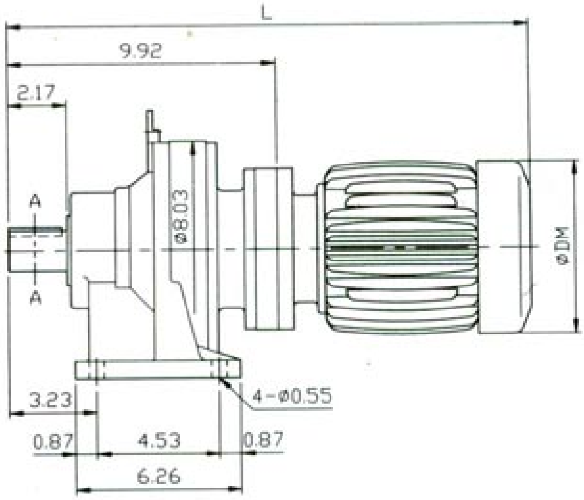
A–A





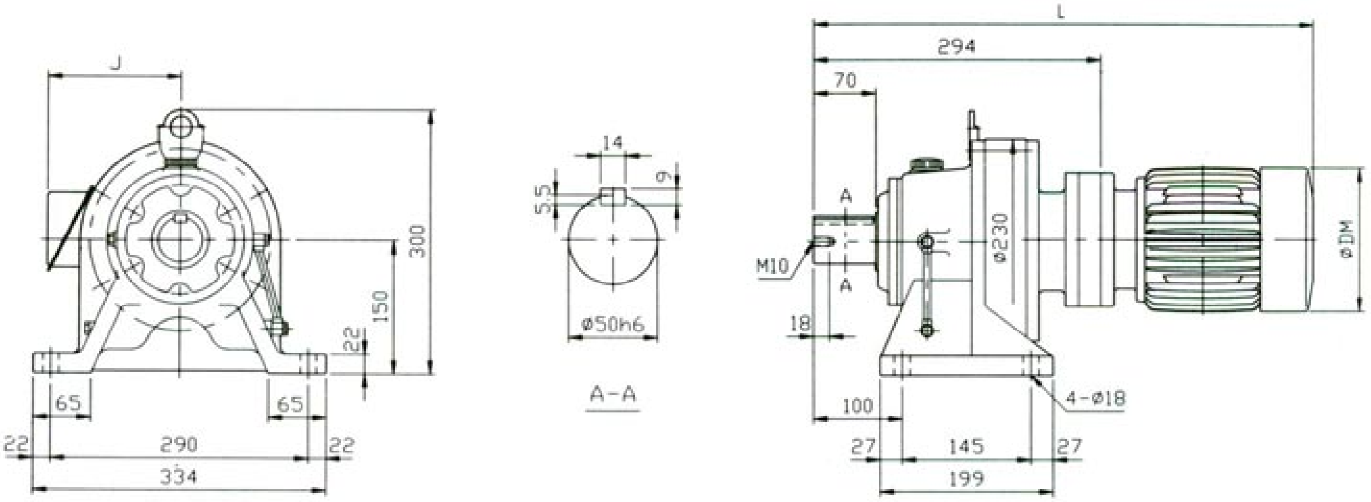


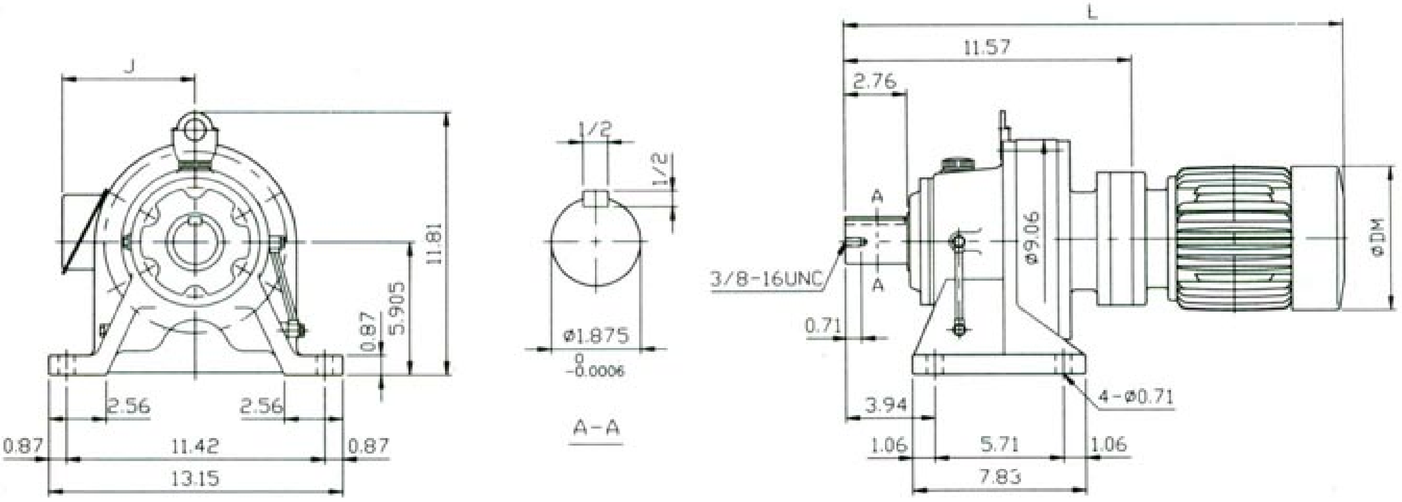
A–A



Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	THM02-611/09	471	121	144	257	40	18.54	4.76	5.67	10.12	88.0
0.4	1/2	4	THM05-611/09	492	132	162	257	43	19.37	5.20	6.38	10.12	94.6
0.75	1	4	THM1-611/09	491	137	177	257	45	19.33	5.39	6.97	10.12	99.0

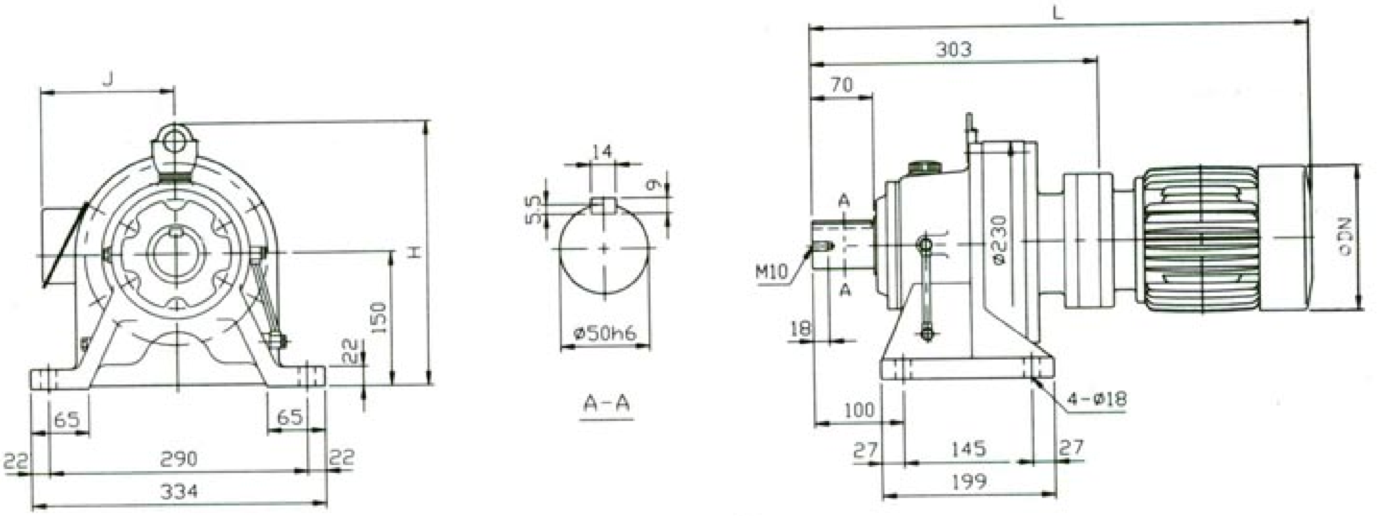
THHM-613/08

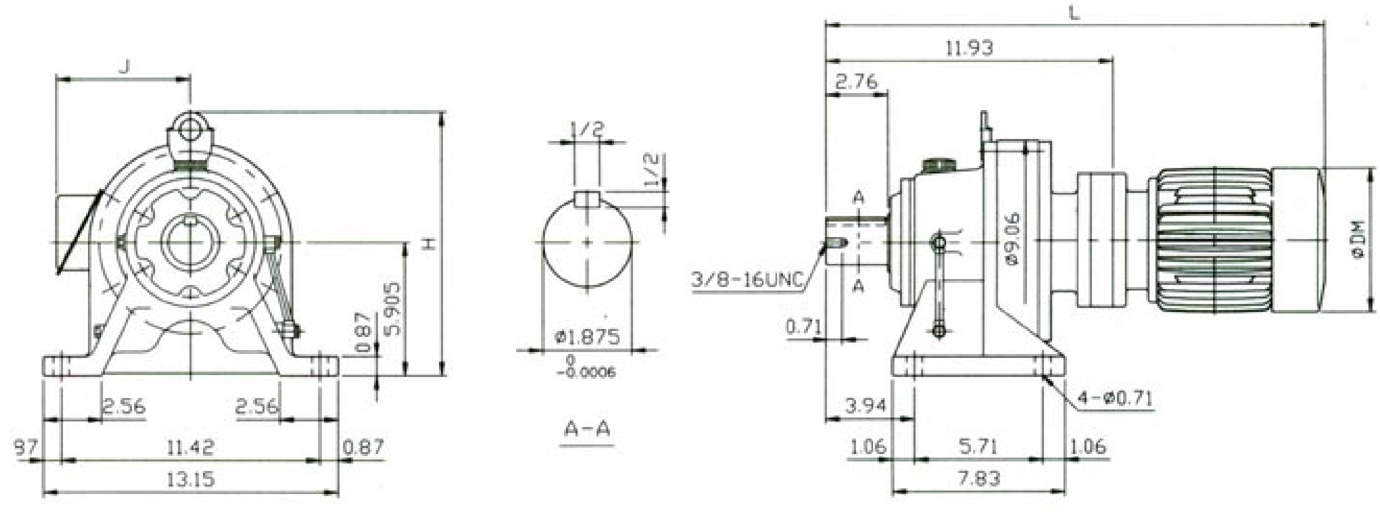




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	pole	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	THHM02-613/08	513	121	144		49	20.20	4.76	5.67		107.8
0.4	1/2	4	THHM05-613/08	534	132	162		54	21.02	5.20	6.38		118.8

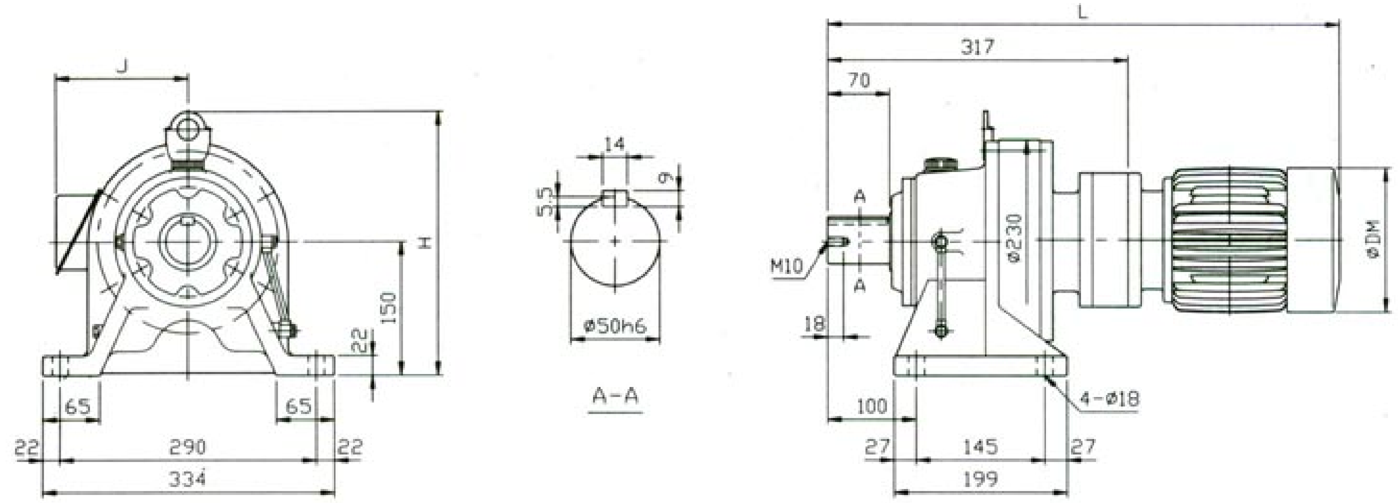
THHM-613/09

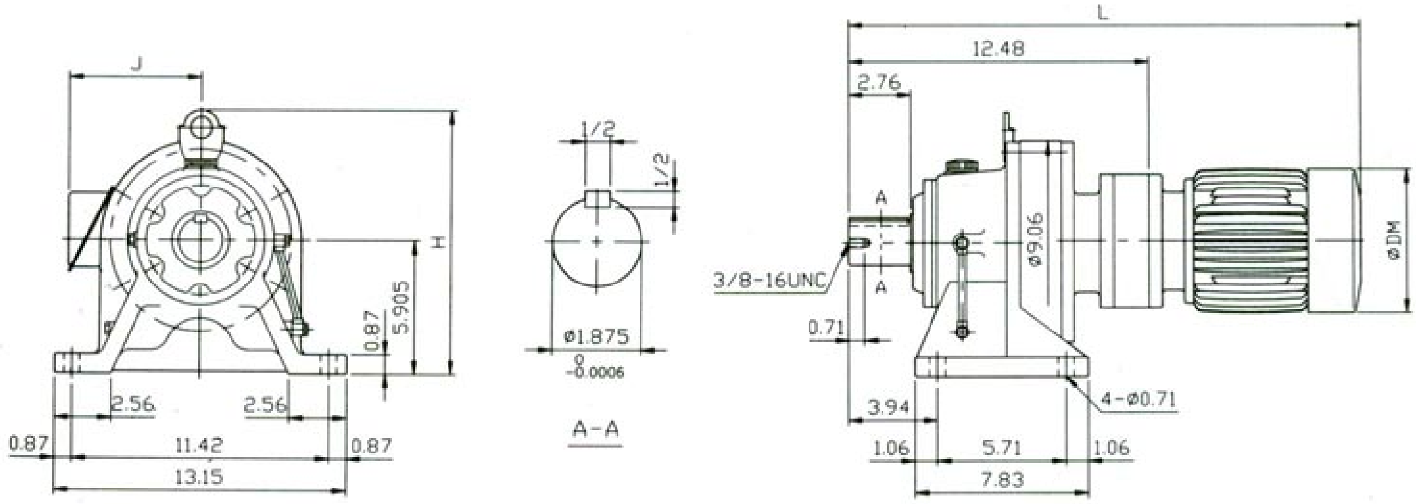




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	THHM02-613/09	522	121	144	300	53	20.55	4.76	5.67	11.81	116.6
0.4	1/2	4	THHM05-613/09	534	132	162	300	57	21.38	5.20	6.38	11.81	125.4
0.75	1	4	THHM1-613/09	542	137	177	300	60	21.34	5.39	6.97	11.81	132.0

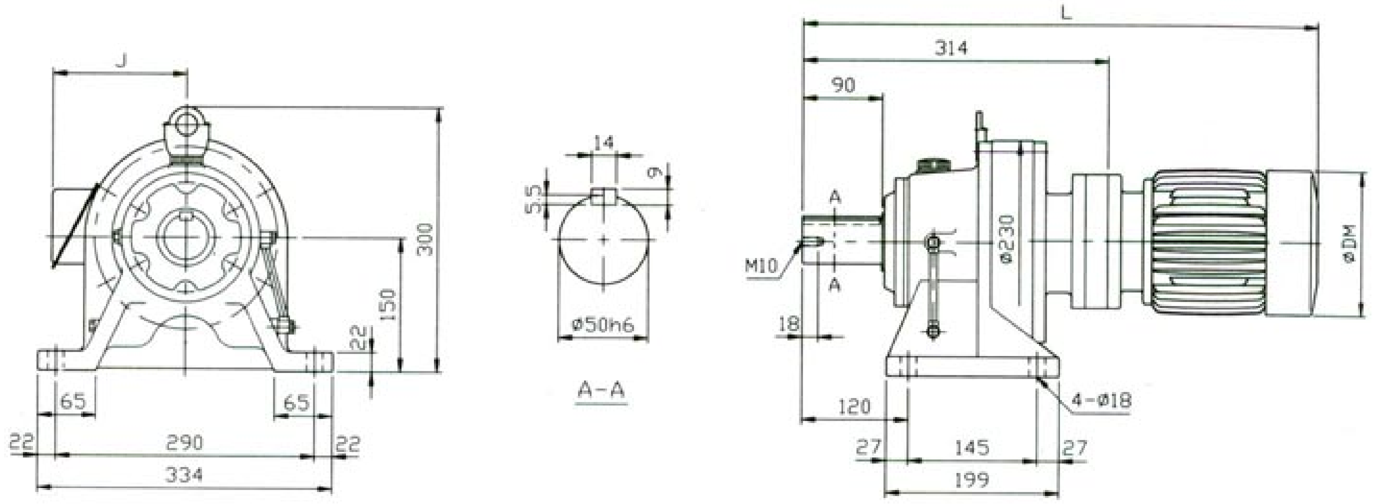
THHM-613/10

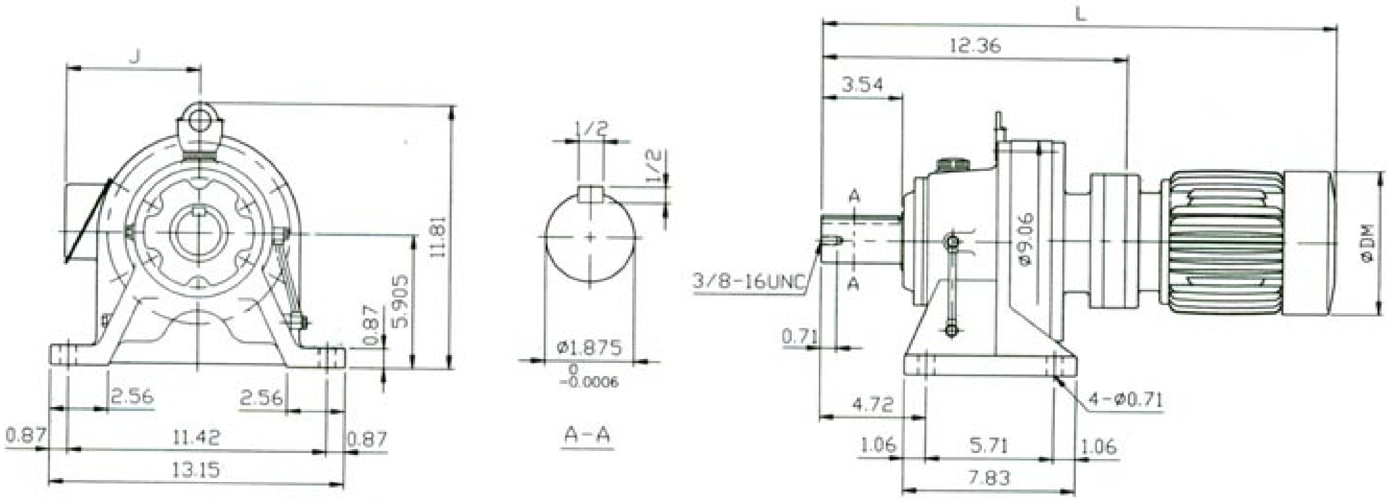




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	THHM05-613/10	557	132	162	300	59	21.93	5.20	6.38	11.81	129.8
0.75	1	4	THHM1-613/10	556	137	177	300	61	21.89	5.39	6.97	11.81	134.2
1.5	2	4	THHM2-613/10	593	150	200	300	70	23.35	5.91	7.87	11.81	154.0
2.2	3	4	THHM3-613/10	619	173	219	300	82	24.37	6.81	8.62	11.81	180.4

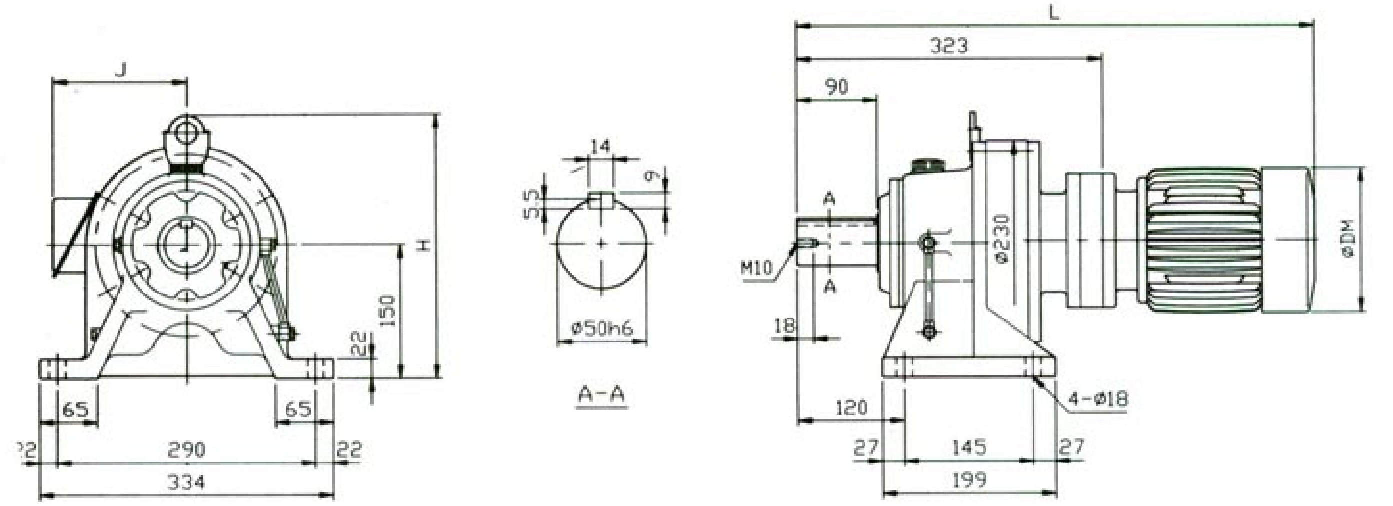
THHM-614/08

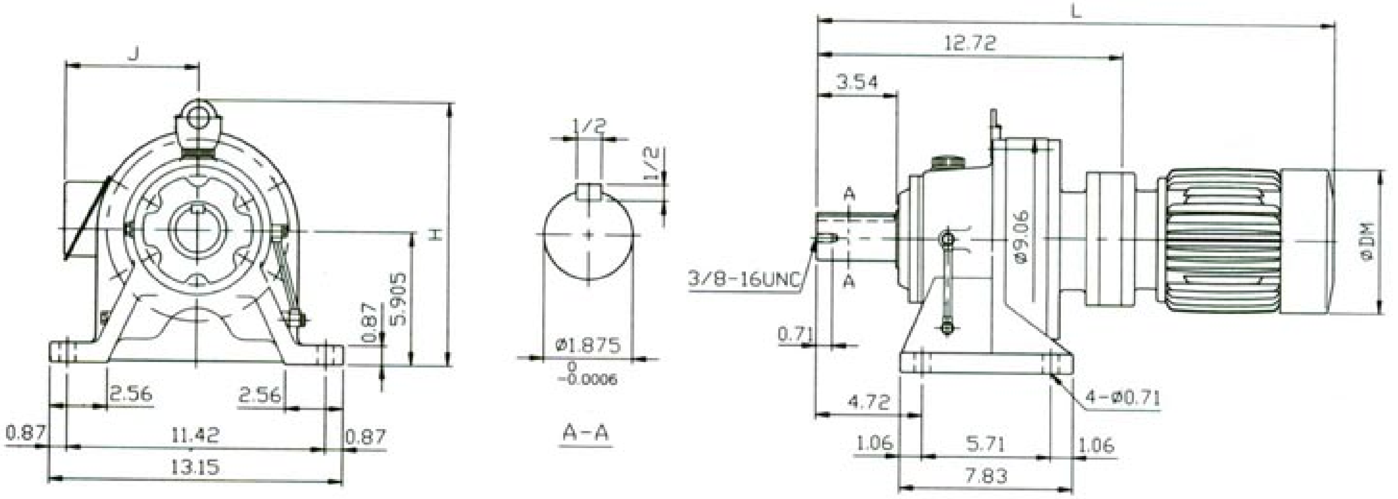




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	THHM02-614/08	533	121	144		50	20.98	4.76	5.67		110.0
0.4	1/2	4	THHM05-614/08	554	132	162		54	21.81	5.20	6.38		118.8

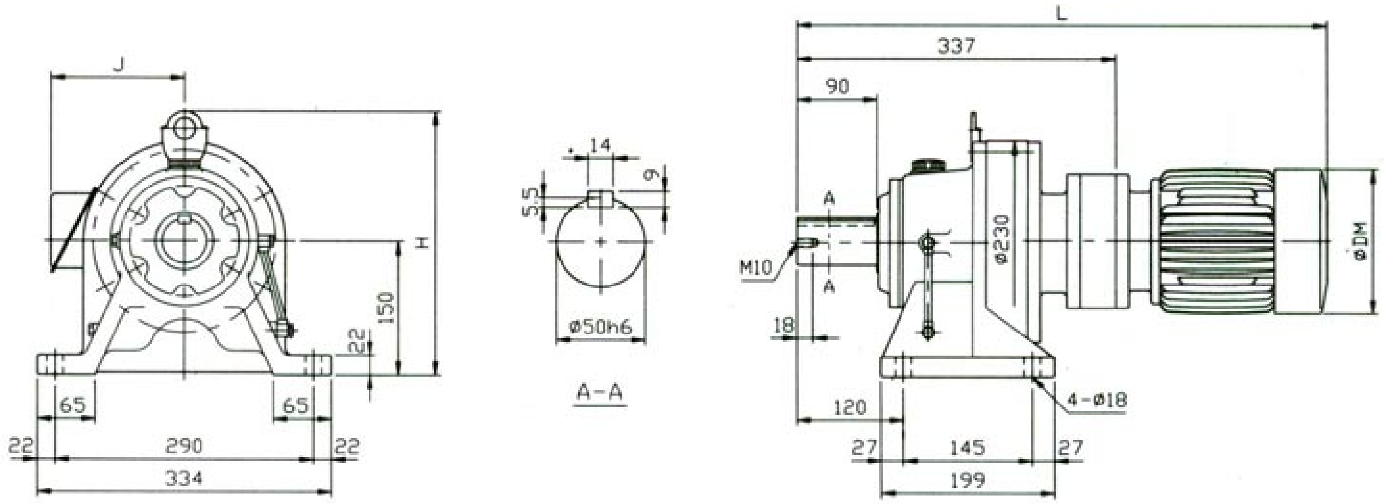
THHM-614/09

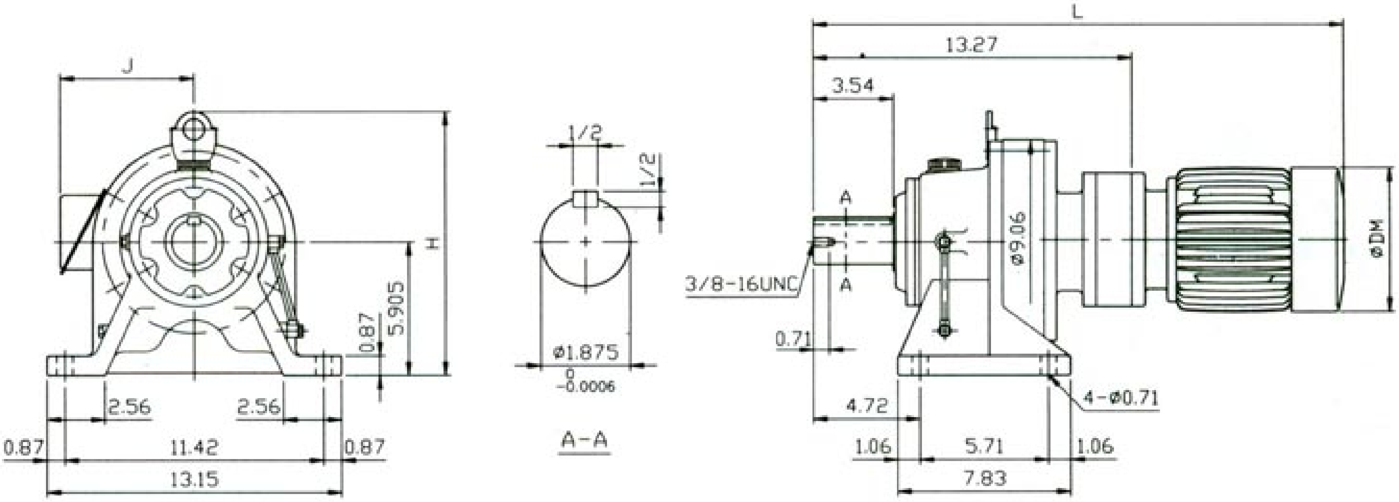




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	THHM02-614/09	542	121	144	300	53	21.34	4.76	5.67	11.81	116.6
0.4	1/2	4	THHM05-614/09	563	132	162	300	57	22.17	5.20	6.38	11.81	125.4
0.75	1	4	THHM1-614/09	562	137	177	300	60	22.13	5.39	6.97	11.81	132.0

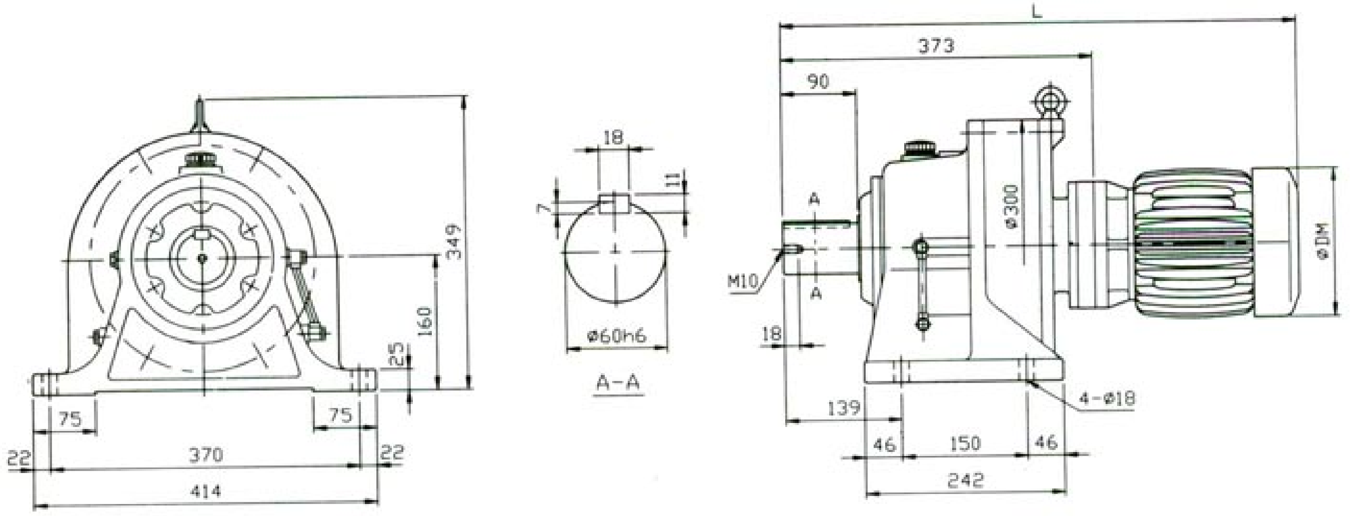
THHM-614/10

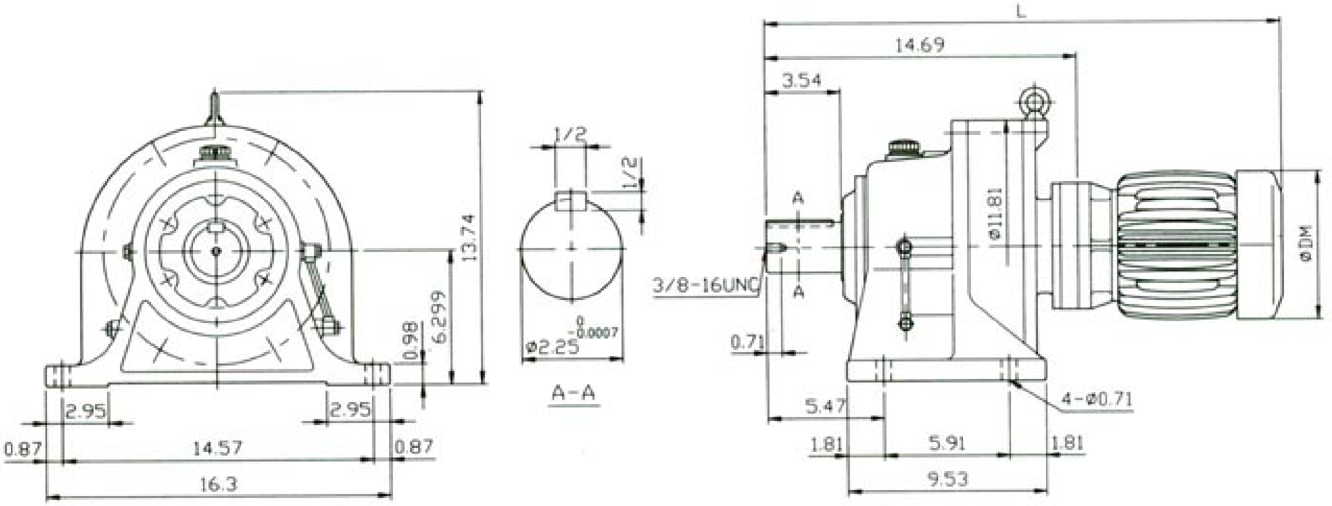




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	THHM05-614/10	577	132	162	300	59	22.72	5.20	6.38	11.81	129.8
0.75	1	4	THHM1-614/10	576	137	177	300	61	22.68	5.39	6.97	11.81	134.2
1.5	2	4	THHM2-614/10	613	150	200	300	70	24.13	5.91	7.87	11.81	154.0
2.2	3	4	THHM3-614/10	640	173	219	300	82	25.20	6.81	8.62	11.81	180.4

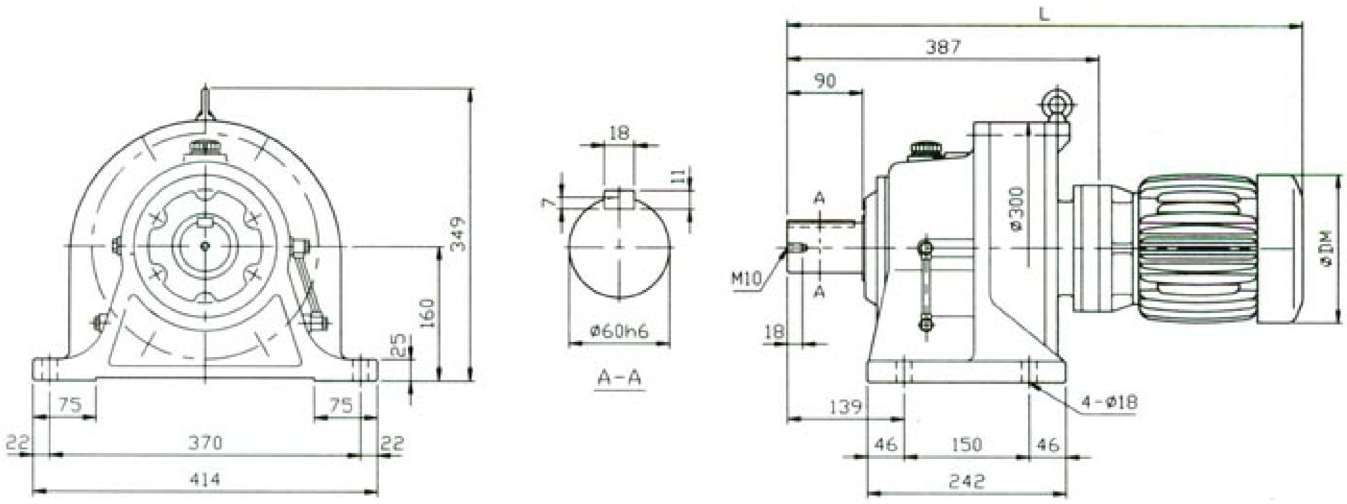
THHM-616/09

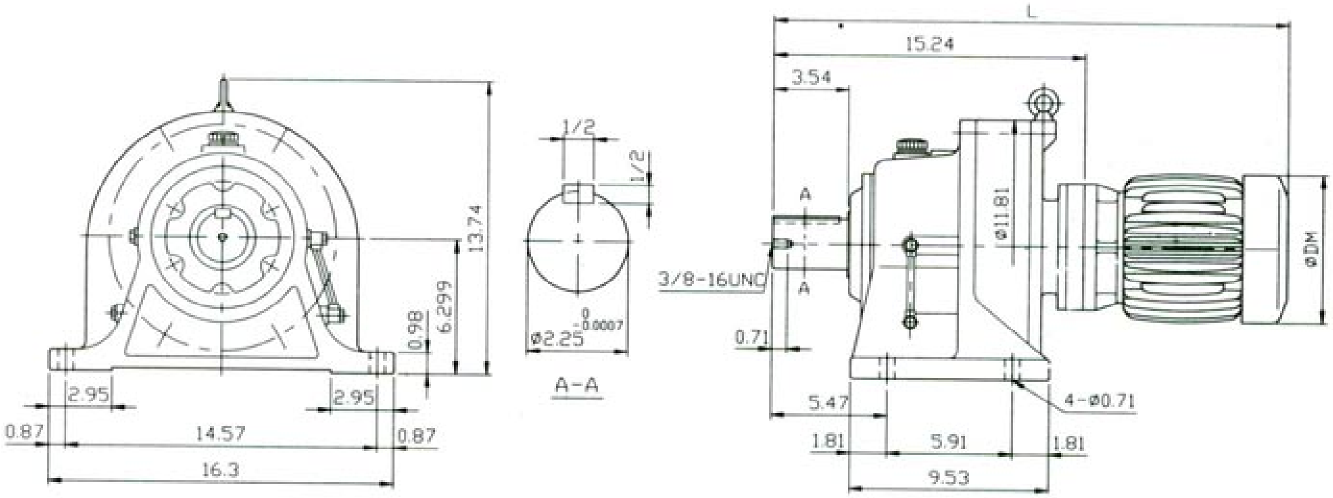




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	THHM02-616/09	592	121	144		94	23.31	4.76	5.67		206.8
0.4	1/2	4	THHM05-616/09	613	132	162		98	24.13	5.20	6.38		215.6
0.75	1	4	THHM1-616/09	612	137	177		100	24.09	5.39	6.97		220.0

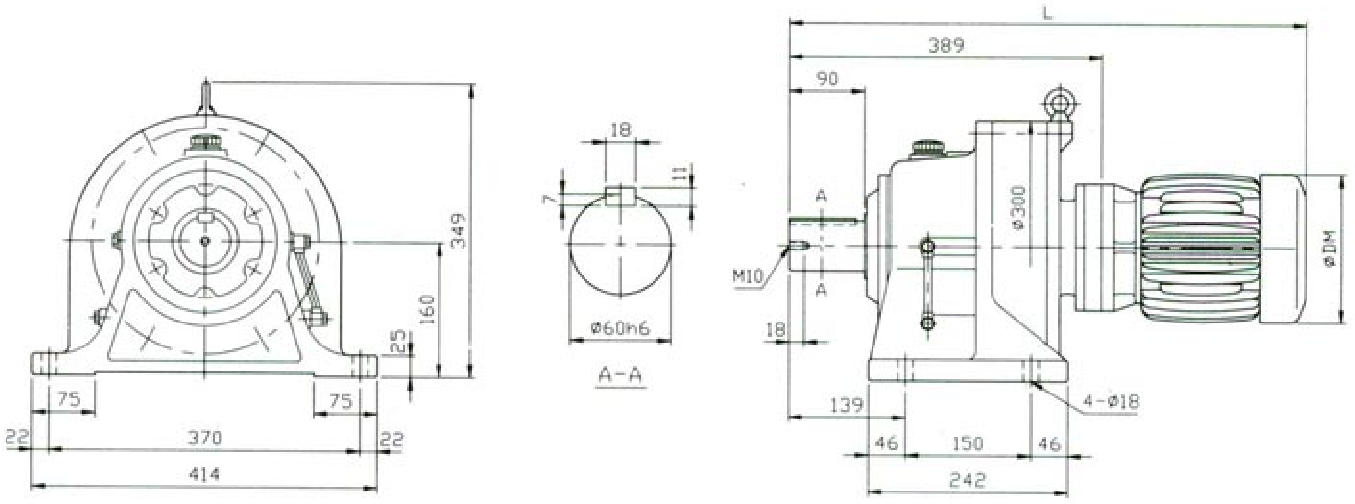
THHM-616/10

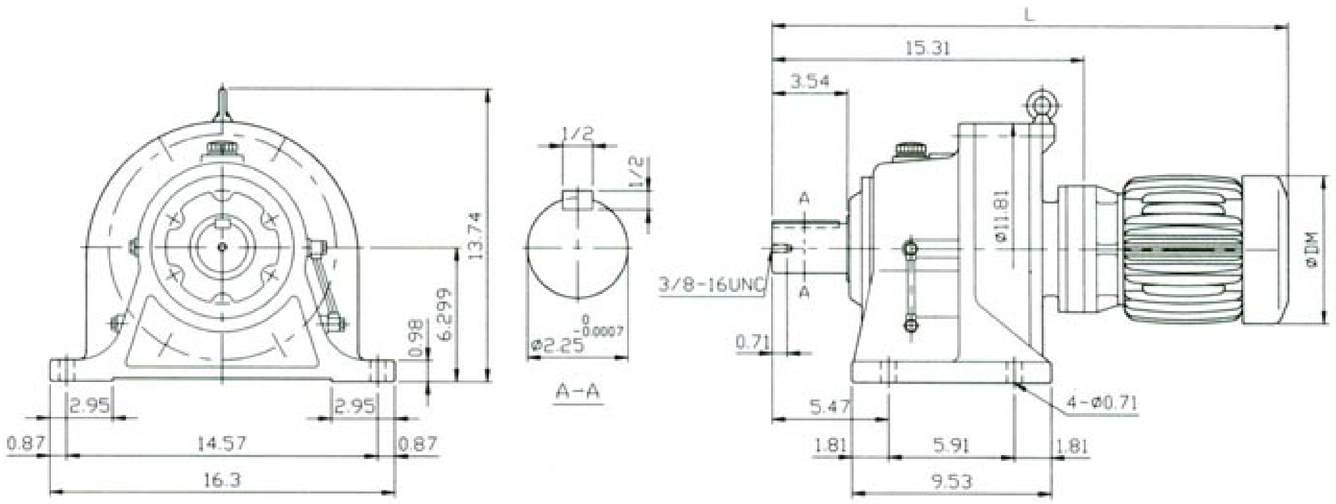




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	THHM05-616/10	627	132	162		99	24.69	5.20	6.38		217.8
0.75	1	4	THHM1-616/10	626	137	177		102	24.65	5.39	6.97		224.4
1.5	2	4	THHM2-616/10	663	150	200		111	26.10	5.91	7.87		224.2
2.2	3	4	THHM3-616/10	690	173	219		123	27.17	6.81	8.62		270.6

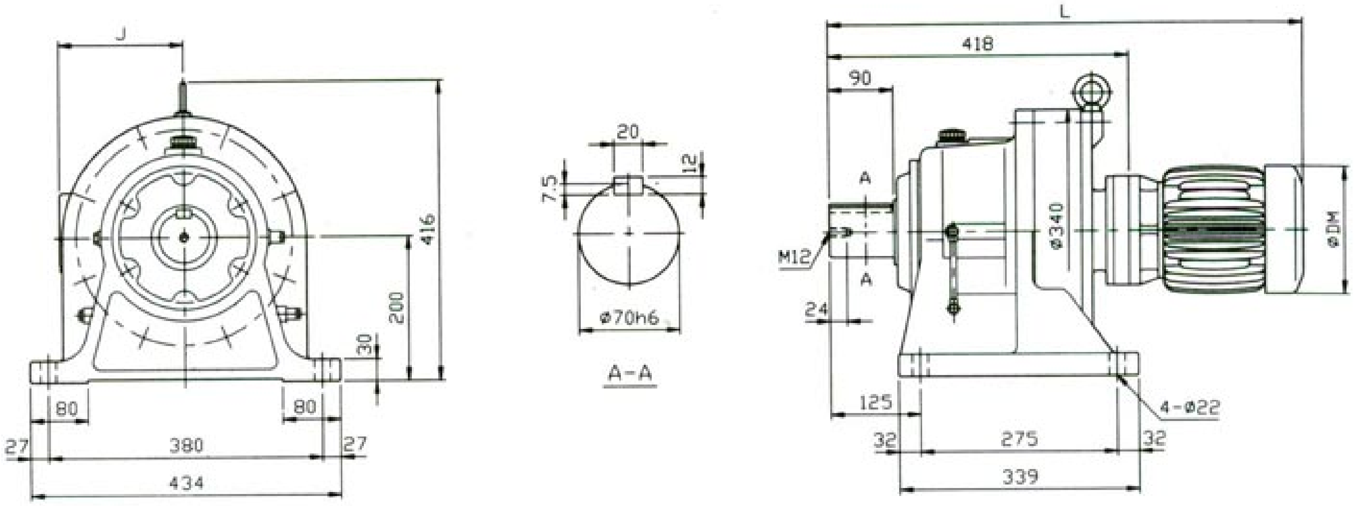
THHM-616/11

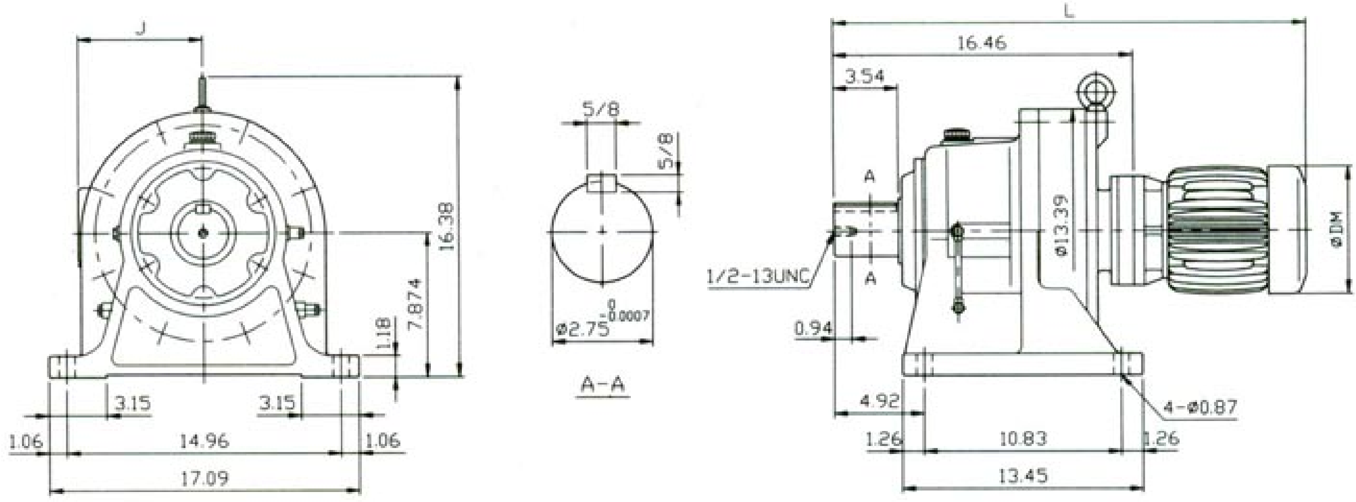




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	THHM05-616/11	628	132	162		99	24.72	5.20	6.38		217.8
0.75	1	4	THHM1-616/11	637	137	177		104	25.08	5.39	6.97		228.8
1.5	2	4	THHM2-616/11	674	156	200		115	26.54	6.14	7.87		253.0
2.2	3	4	THHM3-616/11	700	173	219		130	27.56	6.81	8.62		286.0
3.7	5	4	THHM5-616/11	716	188	238		139	28.19	7.40	9.37		305.8

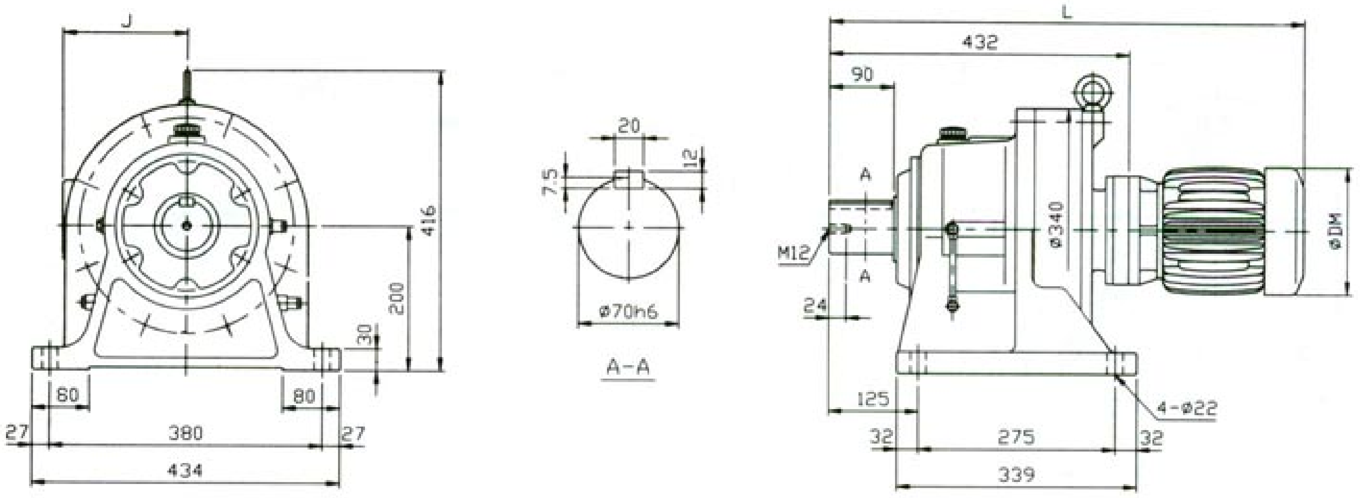
THHM-617/09

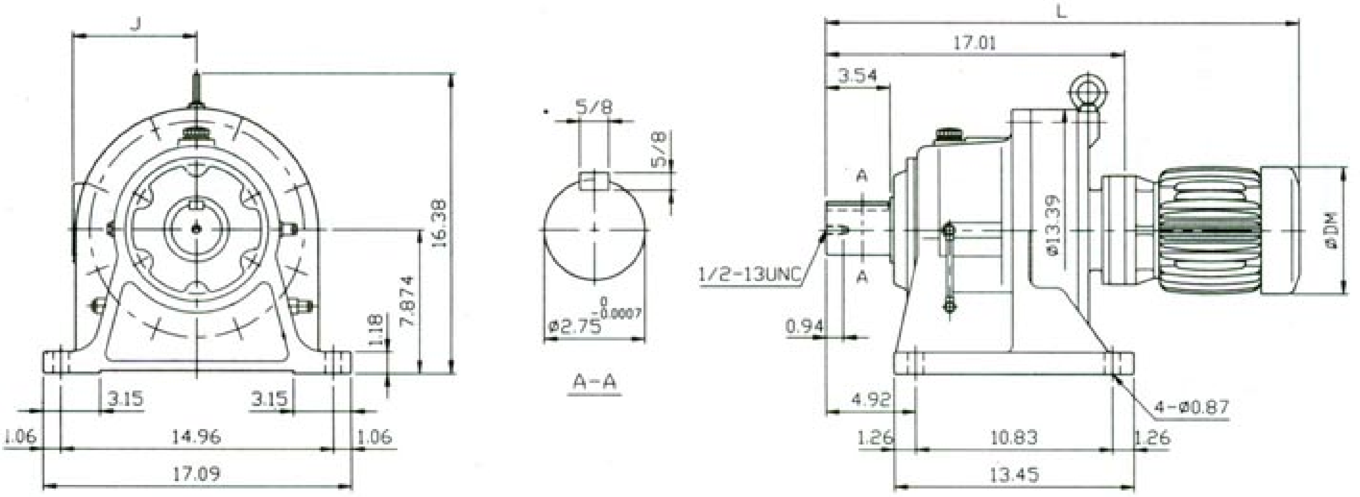




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	THHM02-617/09	637	121	144		130	25.08	4.76	5.67		286.0
0.4	1/2	4	THHM05-617/09	658	132	162		132	25.91	5.20	6.38		290.4
0.75	1	4	THHM1-617/09	657	137	177		136	25.87	5.39	6.97		299.2

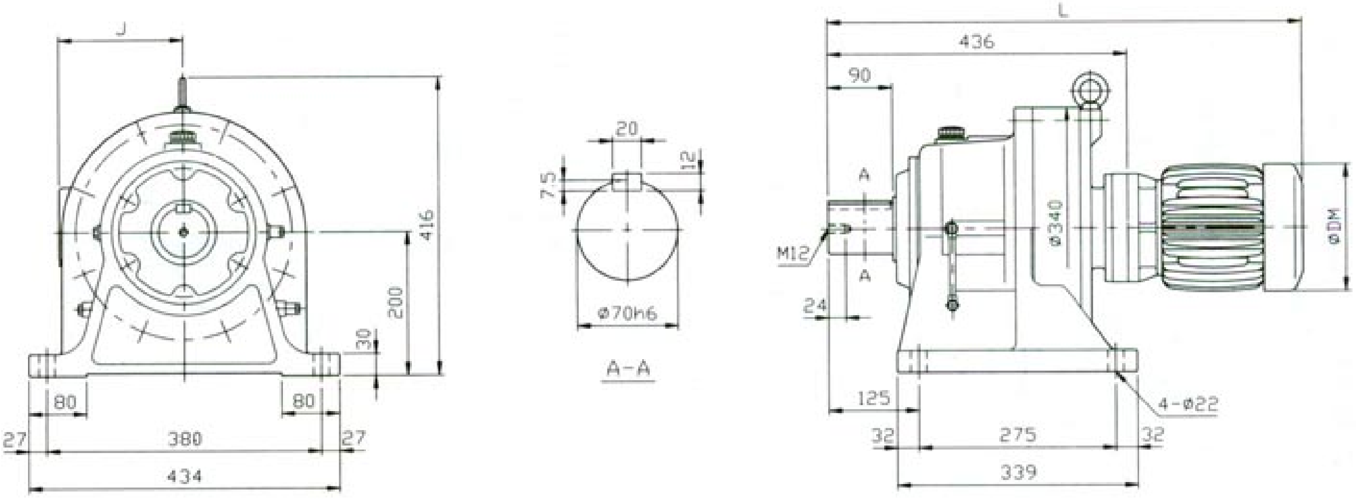
THHM-617/10

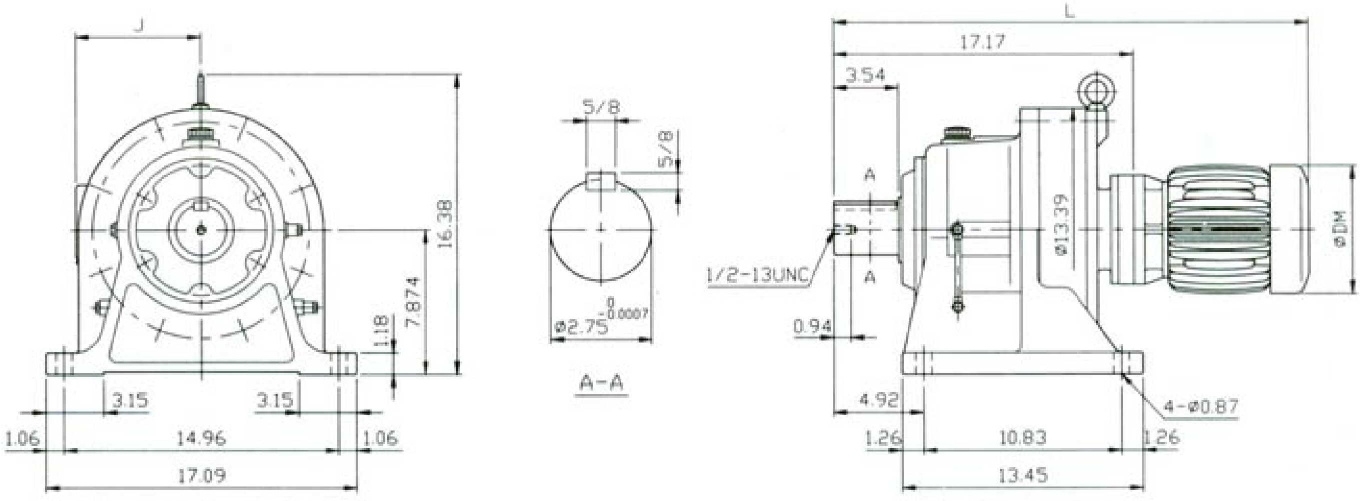




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	THHM05-617/10	672	132	162		134	26.46	5.20	6.38		294.8
0.75	1	4	THHM1-617/10	671	137	177		138	26.42	5.39	6.97		303.6
1.5	2	4	THHM2-617/10	708	150	200		147	27.87	5.91	7.87		323.4
2.2	3	4	THHM3-617/10	735	173	219		159	28.94	6.81	8.62		349.8

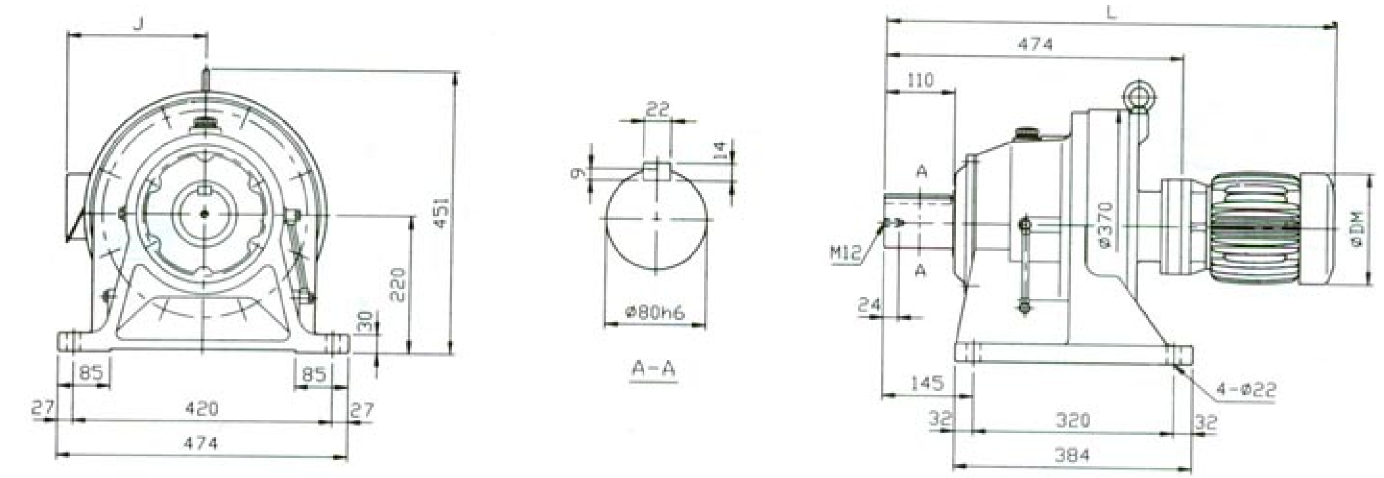
THHM-617/11

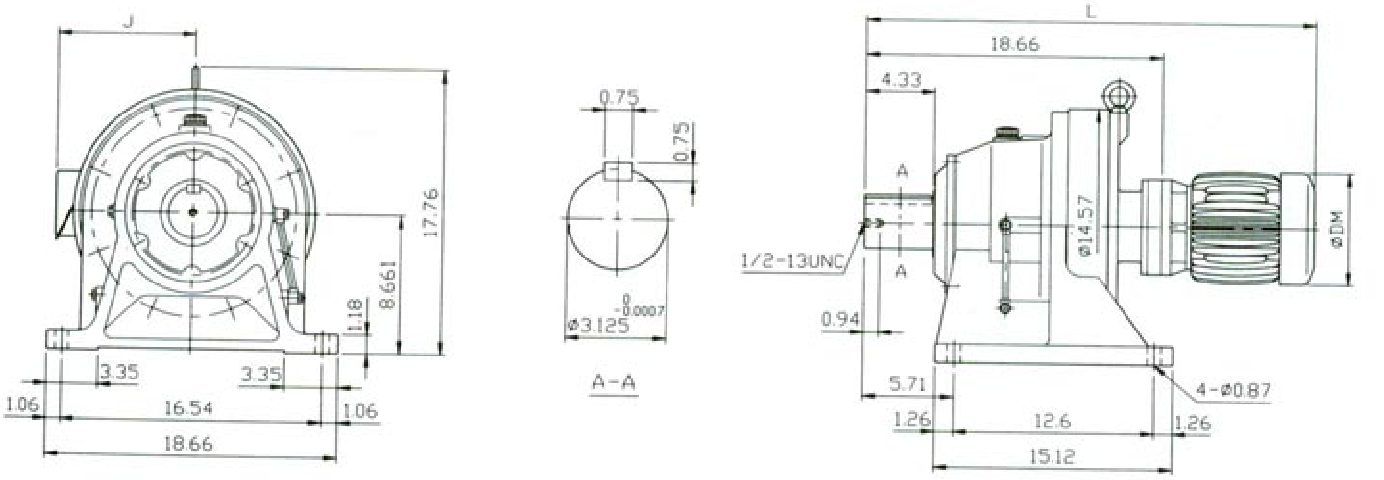




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	THHM05-617/11	675	132	162		135	26.57	5.20	6.38		297.0
0.75	1	4	THHM1-617/11	684	137	177		141	26.93	5.39	6.97		310.2
1.5	2	4	THHM2-617/11	721	150	200		152	28.39	5.91	7.87		334.4
2.2	3	4	THHM3-617/11	747	173	219		164	29.41	6.81	8.62		360.8
3.7	5	4	THHM5-617/11	763	188	238		173	30.04	7.40	9.37		380.6

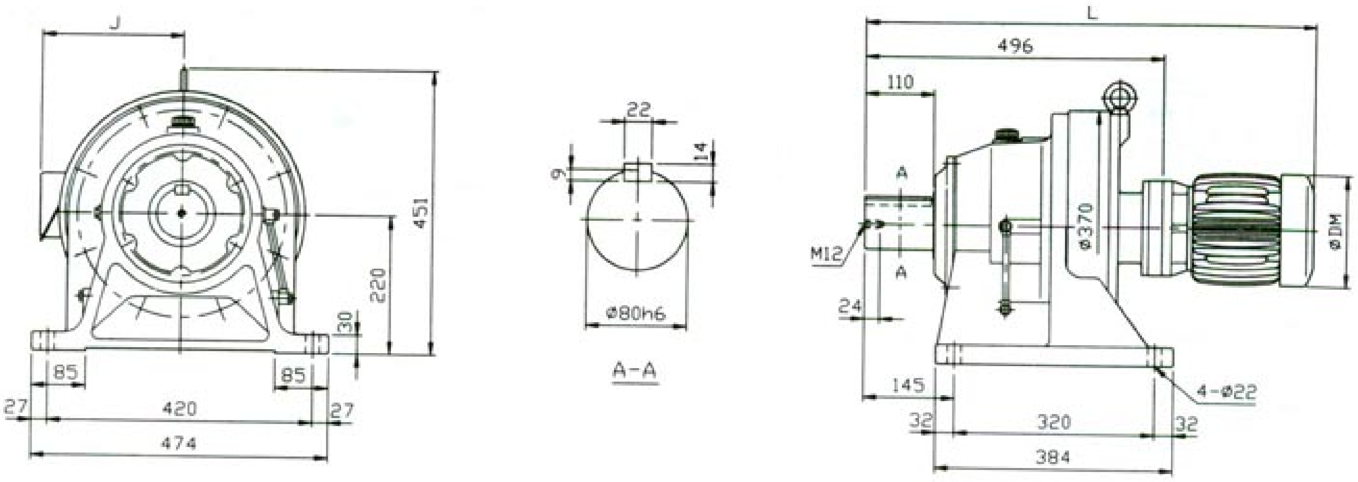
THHM-618/10

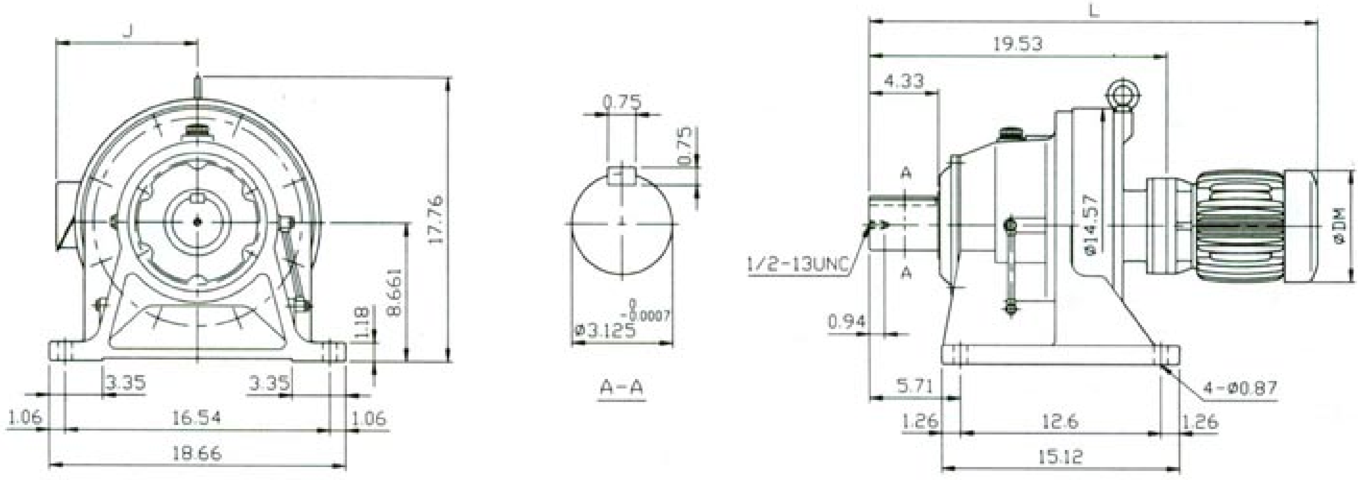




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	THHM05-618/10	714	132	162		176	28.11	5.20	6.38		387.2
0.75	1	4	THHM1-618/10	713	137	177		180	28.07	5.39	6.97		396.0
1.5	2	4	THHM2-618/10	750	150	200		189	29.53	5.91	7.87		415.8
2.2	3	4	THHM3-618/10	799	173	219		201	31.46	6.81	8.62		442.2

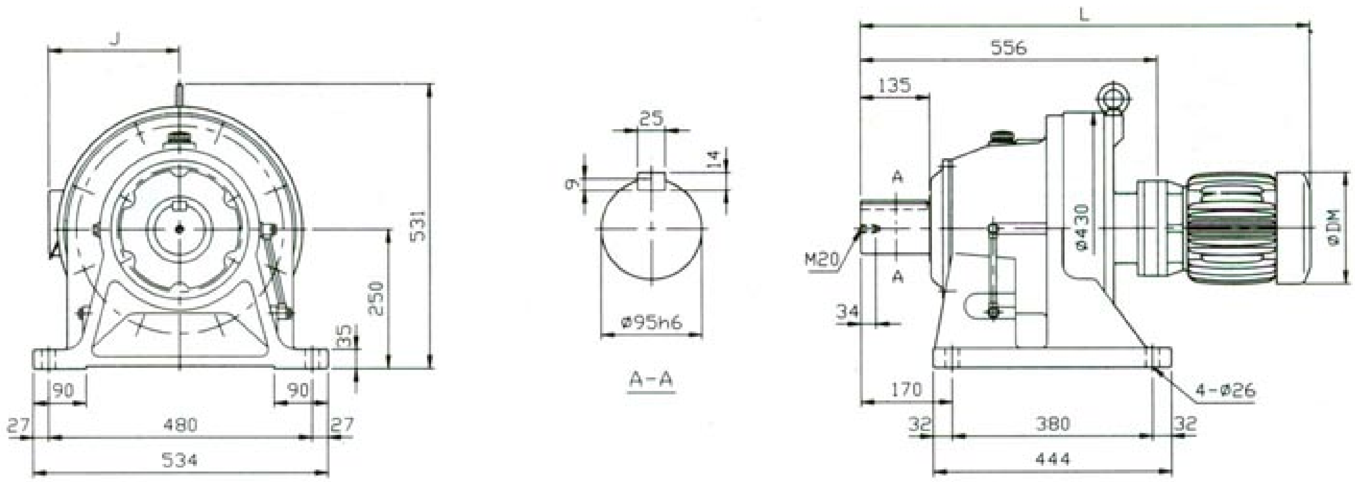
THHM-618/13

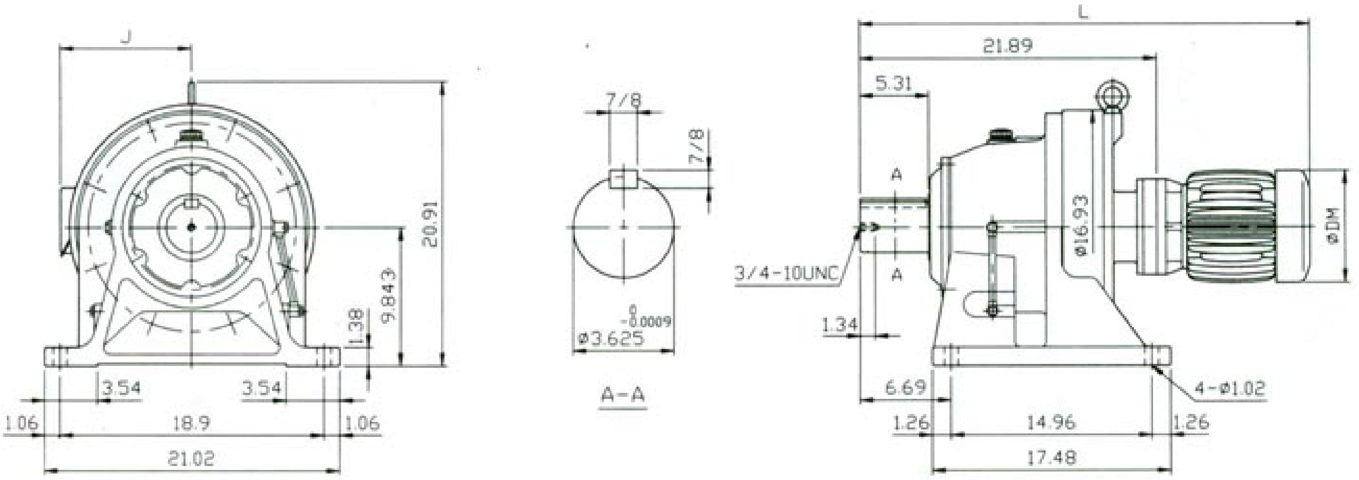




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1-618/13	740	143	177		195	29.13	5.63	6.97		429.0
1.5	2	4	THHM2-618/13	780	150	200		207	30.71	5.91	7.87		455.4
2.2	3	4	THHM3-618/13	807	143	219		219	31.77	6.81	8.62		481.8
3.7	5	4	THHM5-618/13	826	187	238		224	32.52	7.36	9.37		492.8
5.5	7.5	4	THHM8-618/13	870	218	273		230	34.25	8.58	10.75		506.0
7.5	10	4	THHM10-618/13	908	223	273		236	35.75	8.78	10.75		519.2

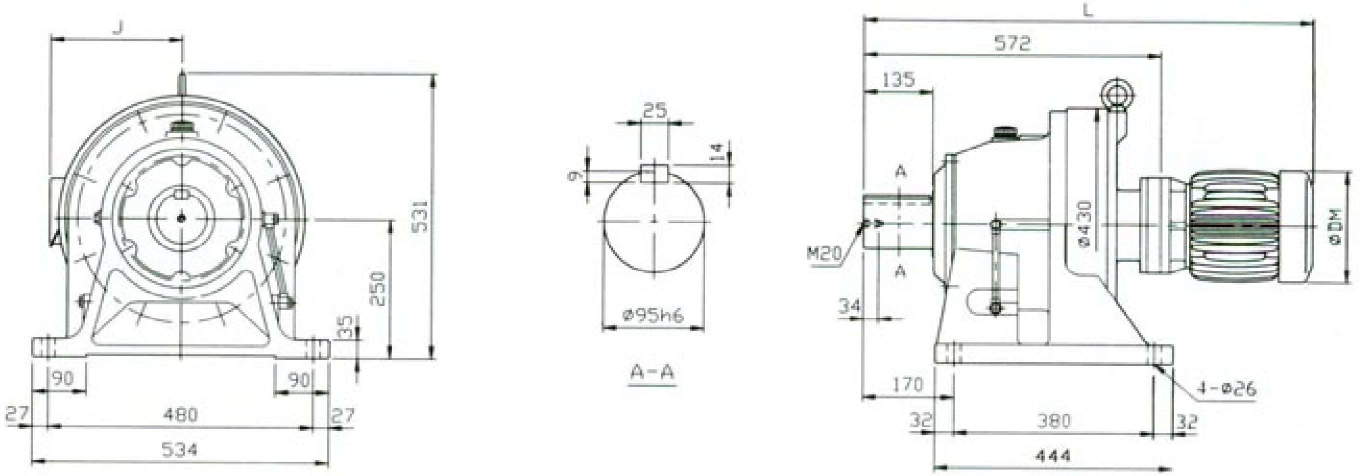
THHM-619/11

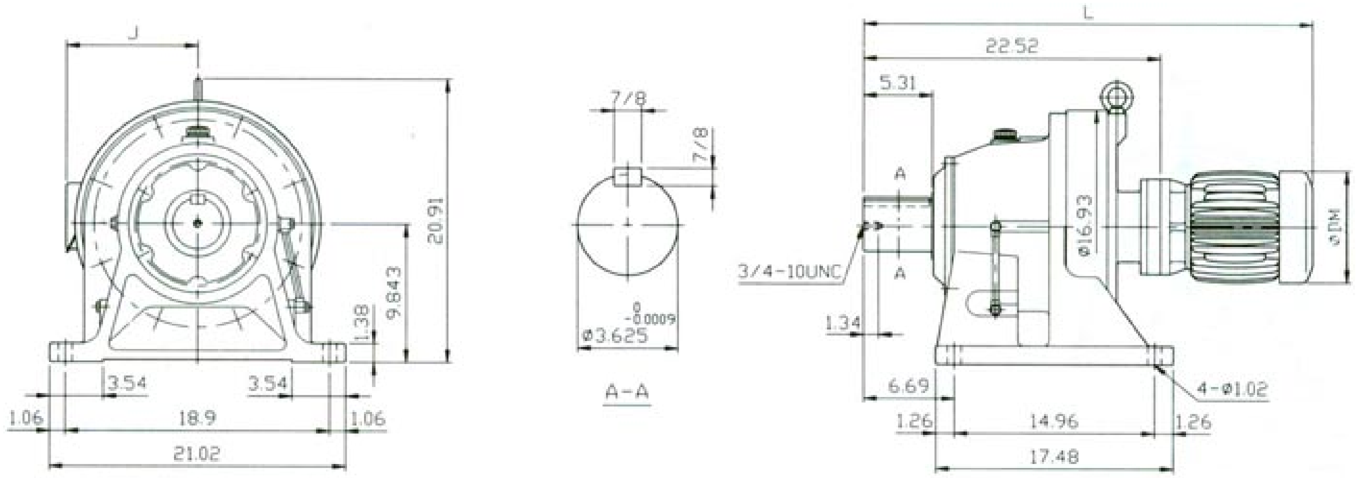




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	THHM05-619/11	795	132	162		245	31.30	5.20	6.38		539.0
0.75	1	4	THHM1-619/11	804	137	177		256	31.65	5.39	6.97		563.2
1.5	2	4	THHM2-619/11	841	156	200		265	33.11	6.14	7.87		583.0
2.2	3	4	THHM3-619/11	867	173	219		277	34.13	6.81	8.62		609.4
3.7	5	4	THHM5-619/11	883	188	238		286	34.76	7.40	9.37		629.2

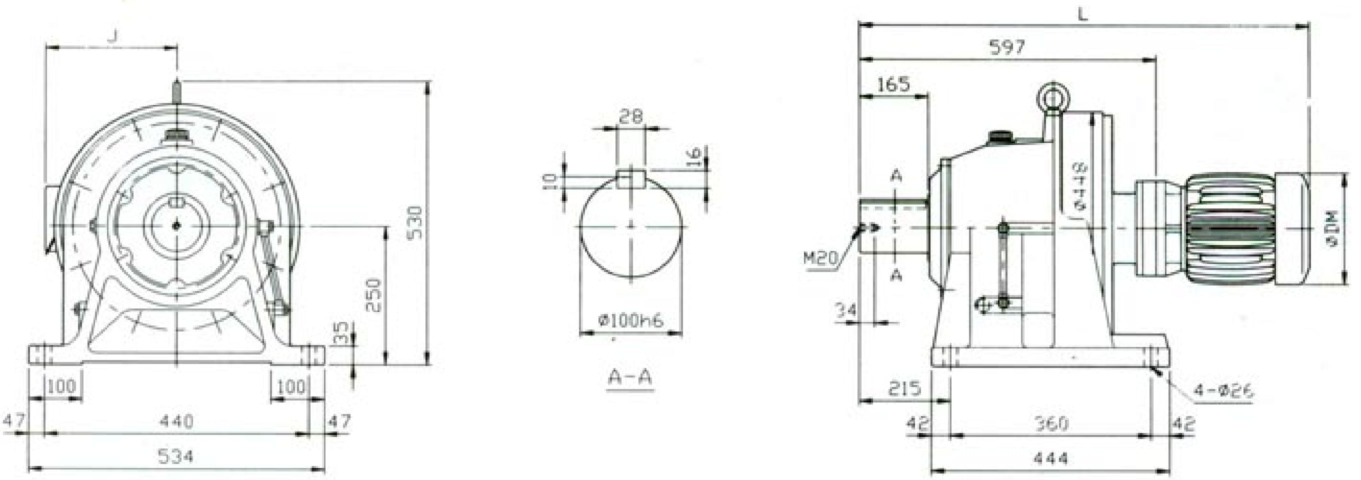
THHM-619/13

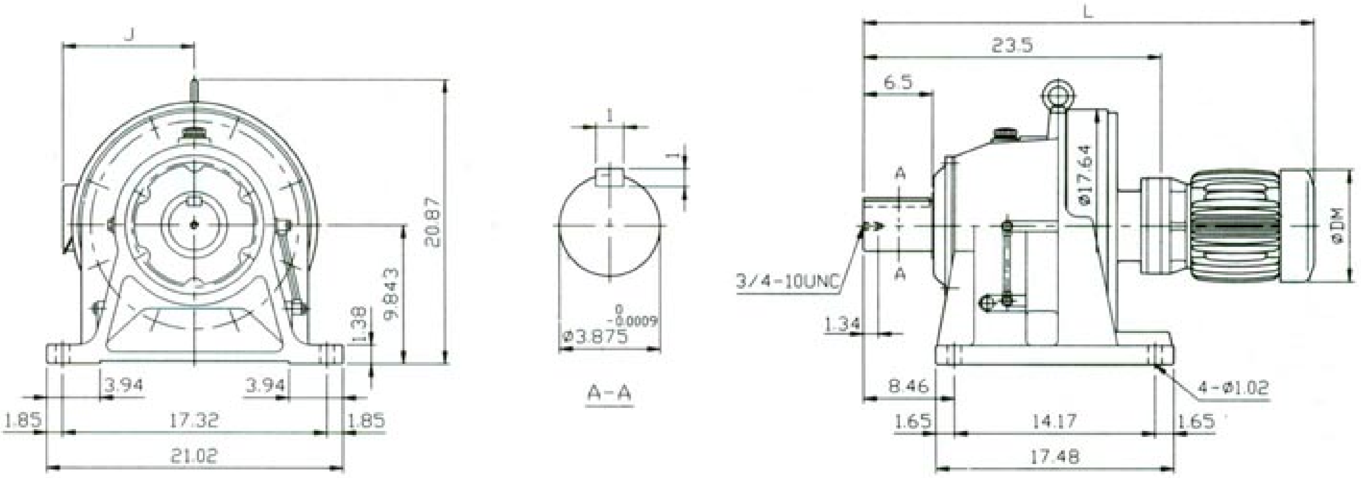




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1-619/13	816	143	177		263	32.13	5.63	6.97		578.6
1.5	2	4	THHM2-619/13	856	150	200		275	33.70	5.91	7.87		605.0
2.2	3	4	THHM3-619/13	883	173	219		286	34.76	6.81	8.62		629.2
3.7	5	4	THHM5-619/13	902	187	238		295	35.51	7.36	9.37		649.0
5.5	7.5	4	THHM8-619/13	946	218	273		301	37.24	8.58	10.75		662.2
7.5	10	4	THHM10-619/13	984	223	273		313	38.74	8.78	10.75		688.6

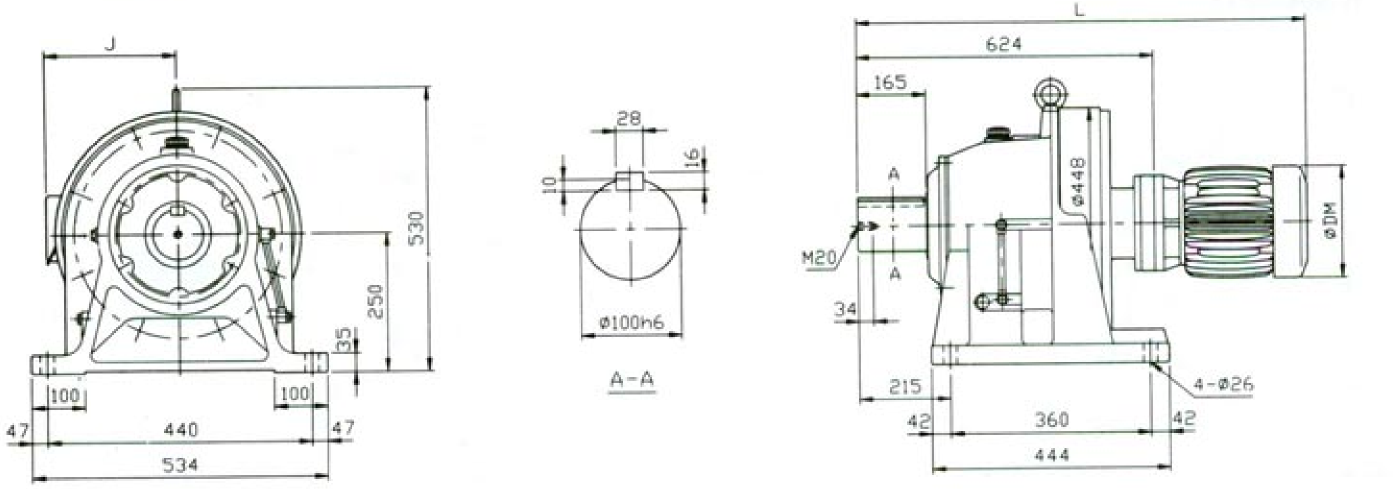
THHM-620/11

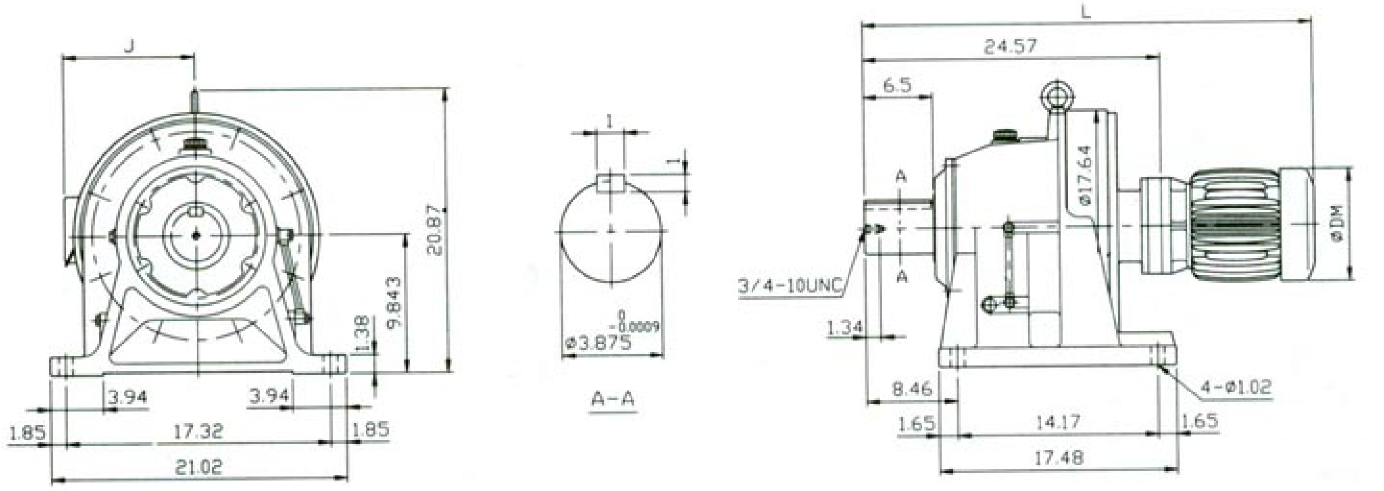




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	THHM05-620/11	836	132	162		269	32.91	5.20	6.38		591.8
0.75	1	4	THHM1-620/11	845	137	177		277	33.27	5.39	6.97		609.4
1.5	2	4	THHM2-620/11	882	156	200		284	34.72	6.14	7.87		624.8
2.2	3	4	THHM3-620/11	908	173	219		290	35.75	6.81	8.62		638.0
3.7	5	4	THHM5-620/11	924	188	238		296	36.38	7.40	9.37		651.2

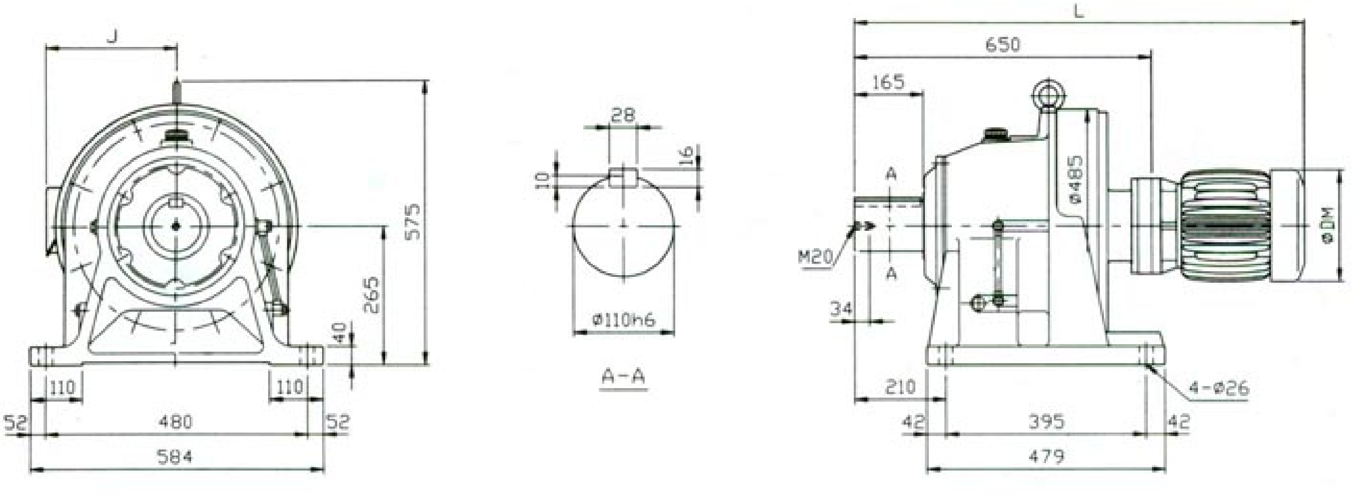
THHM-620/13

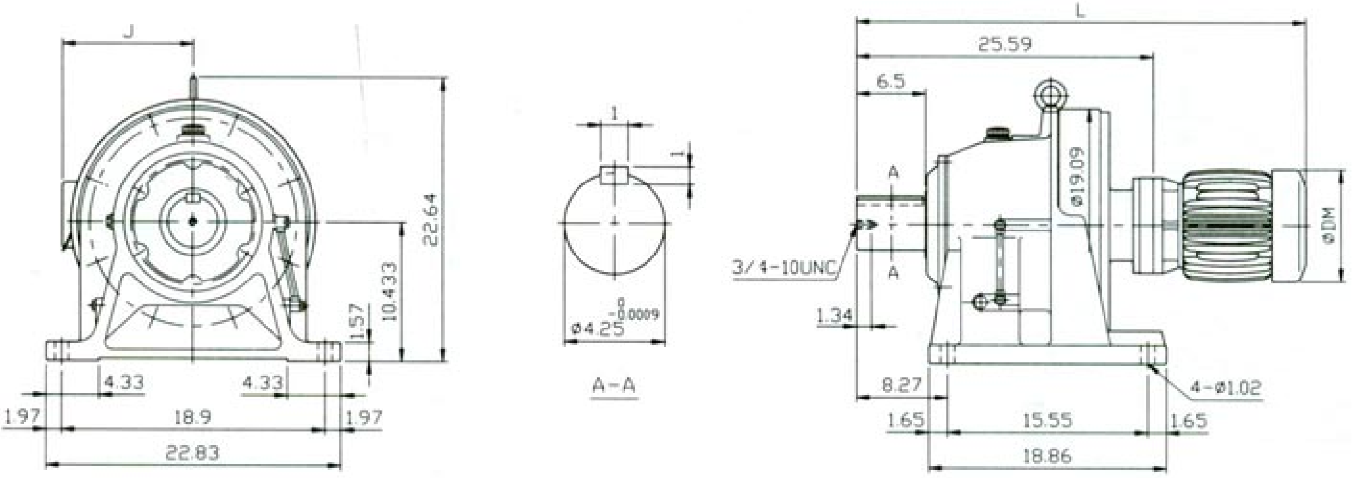




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1-620/13	868	143	177		288	34.17	5.63	6.97		633.6
1.5	2	4	THHM2-620/13	908	150	200		299	35.75	5.91	7.87		657.8
2.2	3	4	THHM3-620/13	935	173	219		309	36.81	6.81	8.62		679.8
3.7	5	4	THHM5-620/13	954	187	238		318	37.56	7.36	9.37		699.6
5.5	7.5	4	THHM8-620/13	998	218	273		316	39.29	8.58	10.75		695.2
7.5	10	4	THHM10-620/13	1036	223	273		328	40.79	8.78	10.75		721.6

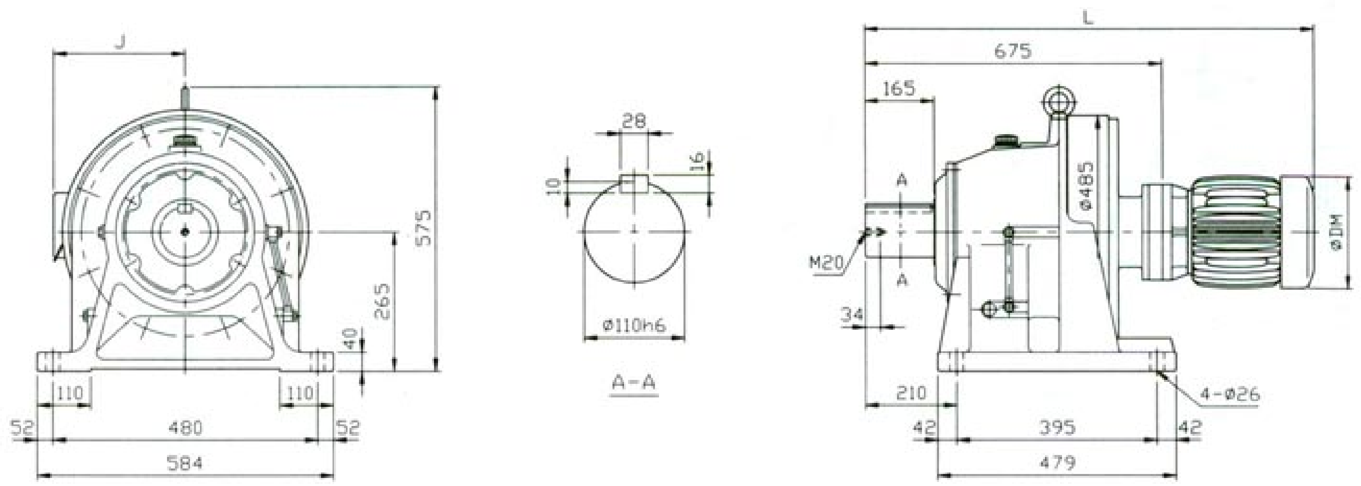
THHM-621/13

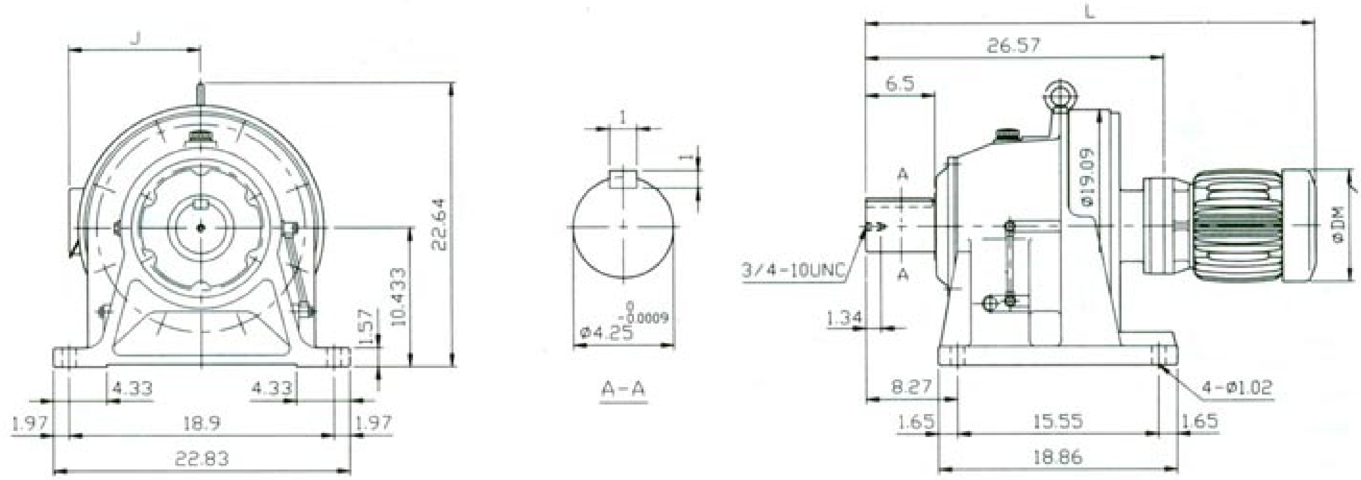




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1-621/13	894	143	177		365	35.20	5.63	6.97		803.0
1.5	2	4	THHM2-621/13	934	150	200		378	36.77	5.91	7.87		831.6
2.2	3	4	THHM3-621/13	961	173	219		390	37.83	6.81	8.62		858.0
3.7	5	4	THHM5-621/13	980	187	238		397	38.58	7.36	9.37		873.4
5.5	7.5	4	THHM8-621/13	1024	218	273		401	40.31	8.58	10.75		882.2
7.5	10	4	THHM10-621/13	1062	223	273		409	41.81	8.78	10.75		899.8

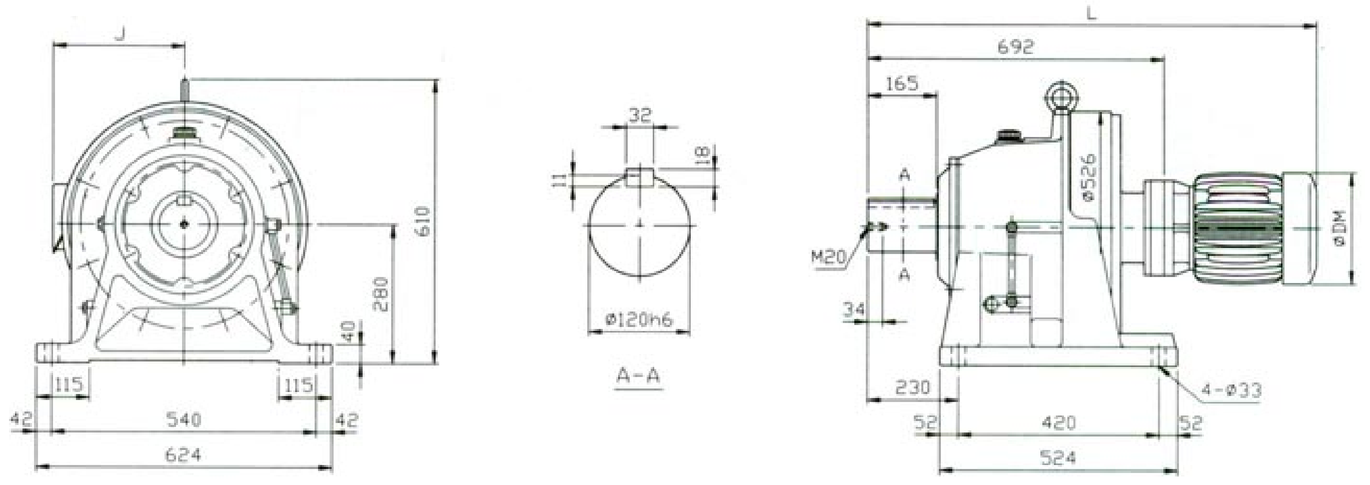
THHM-621/16

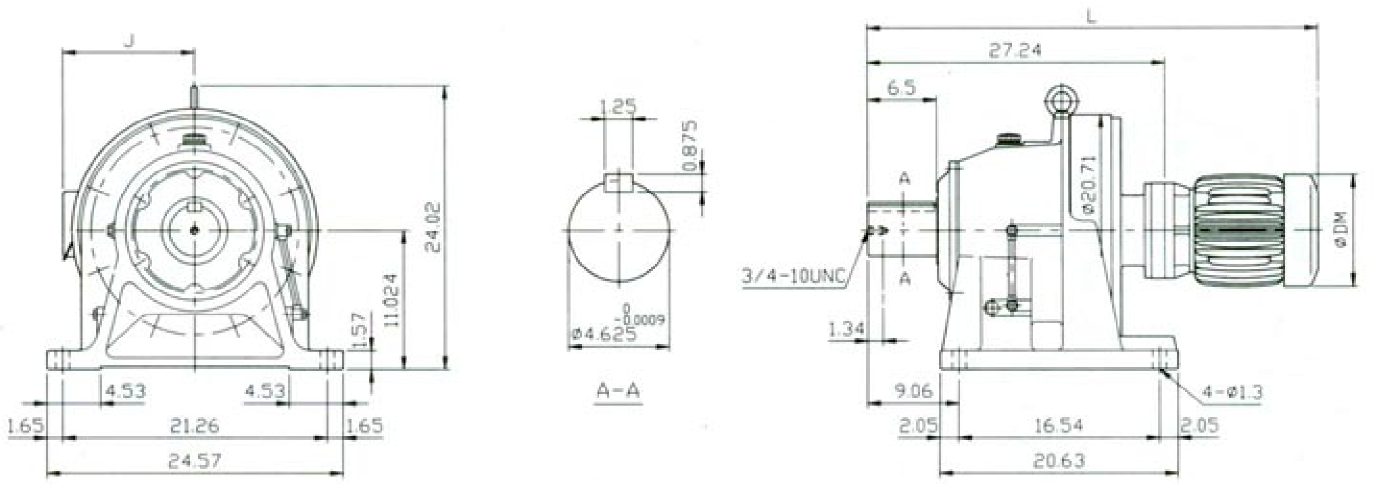




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
2.2	3	4	THHM3-621/16	989	1173	219		387	38.94	6.81	8.62		851.4
3.7	5	4	THHM5-621/16	1008	182	238		397	39.69	7.17	9.37		873.4
5.5	7.5	4	THHM8-621/16	1042	219	273		406	41.02	8.62	10.75		893.2
7.5	10	4	THHM10-621/16	1080	219	273		409	42.52	8.62	10.75		899.8
11	15	4	THHM15-621/16	1167	256	334		434	45.94	10.08	13.15		954.8

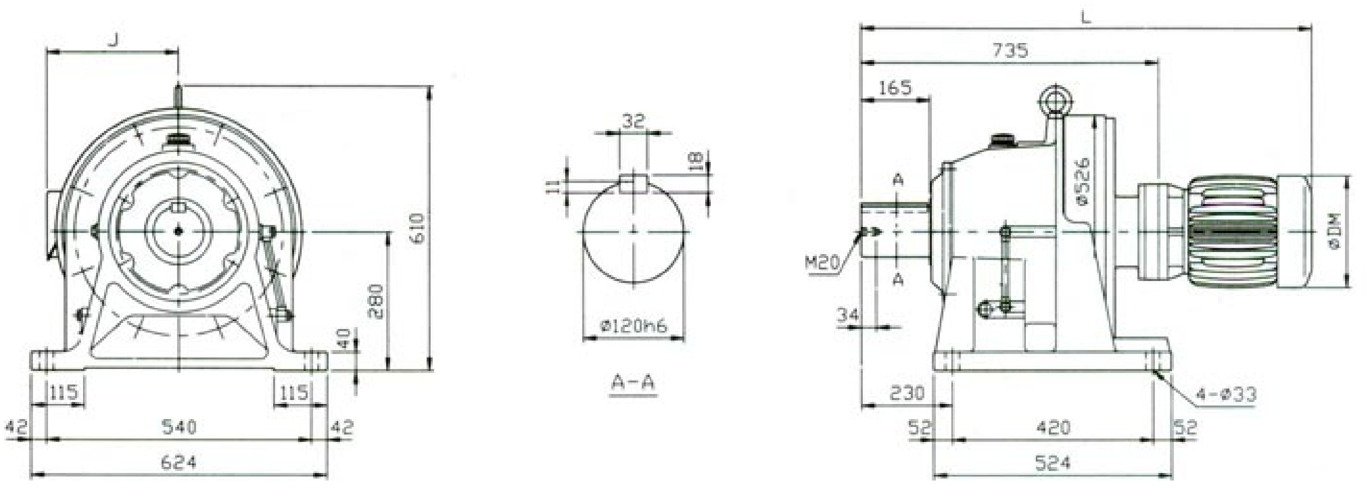
THHM-622/13

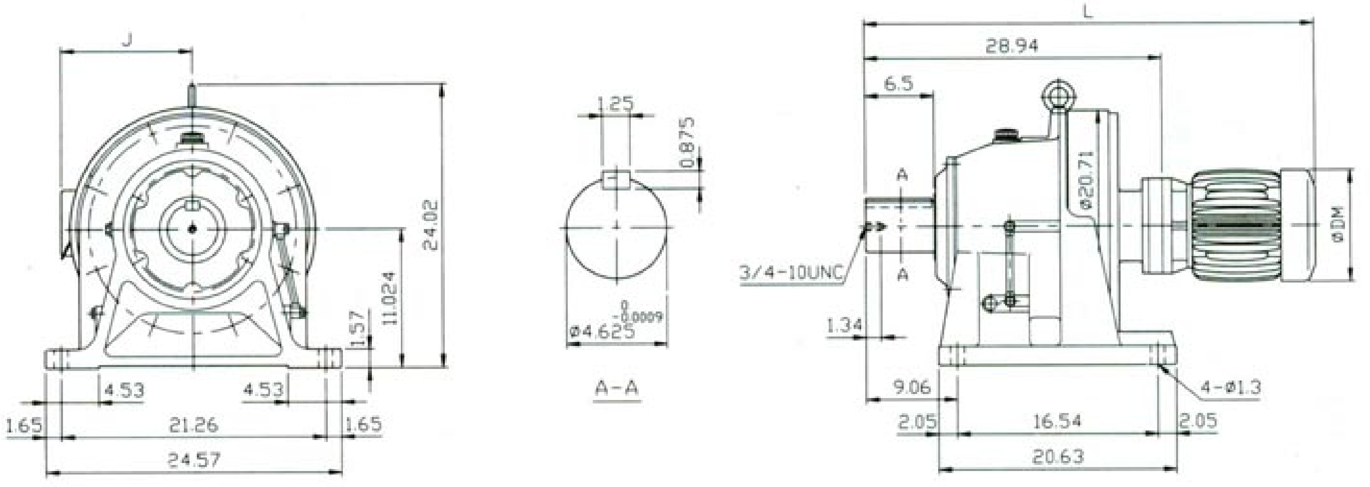




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	THHM1-622/13	936	143	177		440	36.85	5.63	6.97		968.0
1.5	2	4	THHM2-622/13	976	150	200		453	38.43	5.91	7.87		996.6
2.2	3	4	THHM3-622/13	1003	173	219		465	39.49	6.81	8.62		1023
3.7	5	4	THHM5-622/13	1022	187	238		470	40.24	7.36	9.37		1034
5.5	7.5	4	THHM8-622/13	1066	218	273		474	41.97	8.58	10.75		1043
7.5	10	4	THHM10-622/13	1104	223	273		482	43.46	8.78	10.75		1060

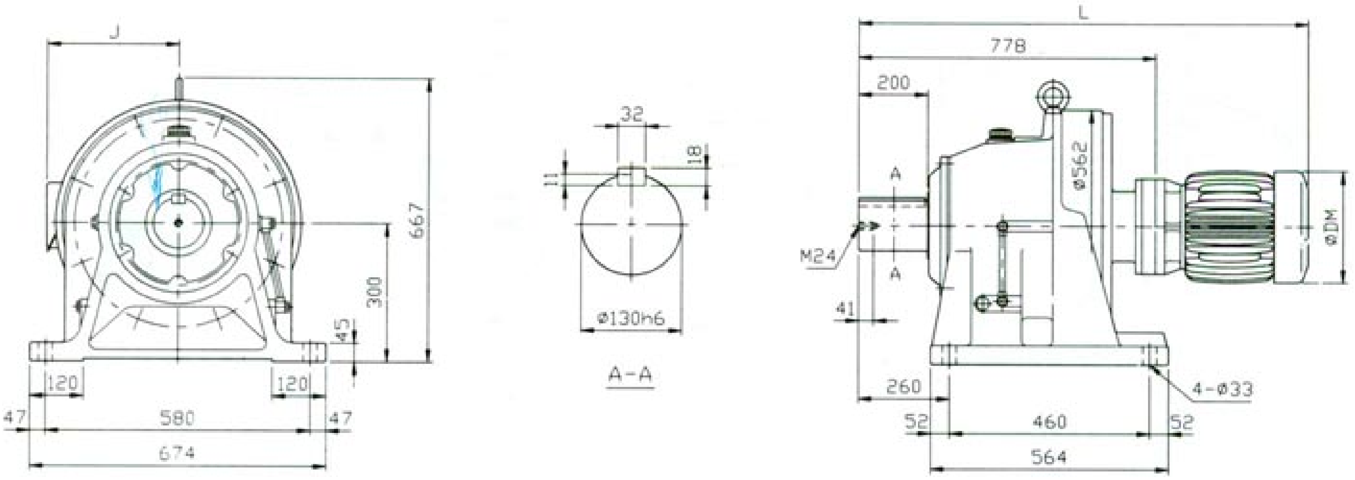
THHM-622/17

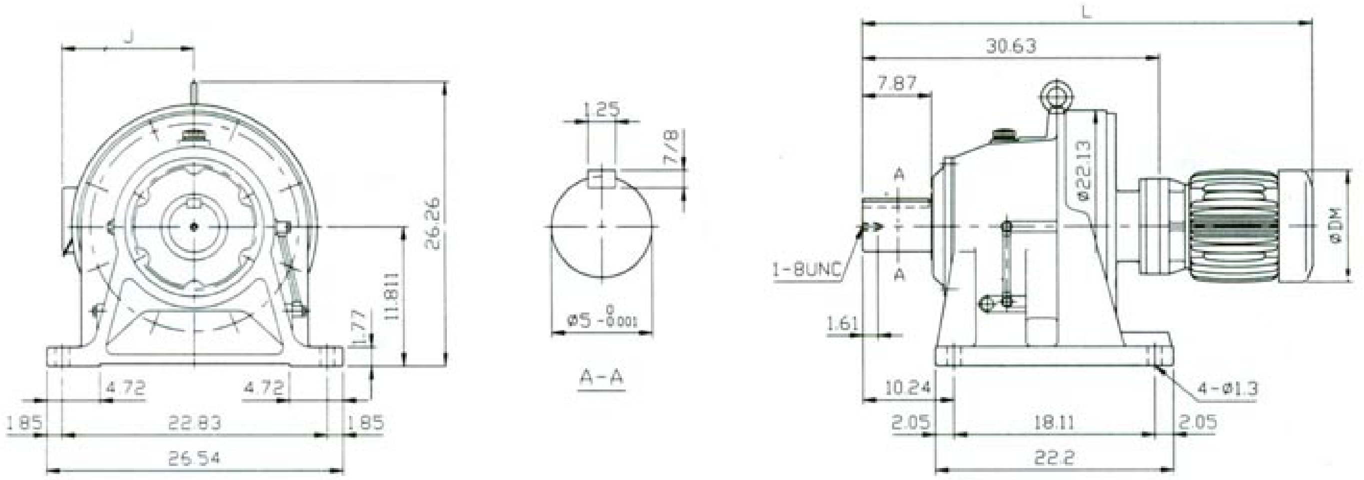




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	THHM5-622/17	1080	182	238		457	42.52	7.17	9.37		1005
5.5	7.5	4	THHM8-622/17	1114	218	273		470	43.86	8.58	10.75		1034
7.5	10	4	THHM10-622/17	1152	218	273		482	45.35	8.58	10.75		1060
11	15	4	THHM15-622/17	1227	256	334		533	48.31	10.08	13.15		1173
15	20	4	THHM20-622/17	1271	256	334		587	50.04	10.08	13.15		1291

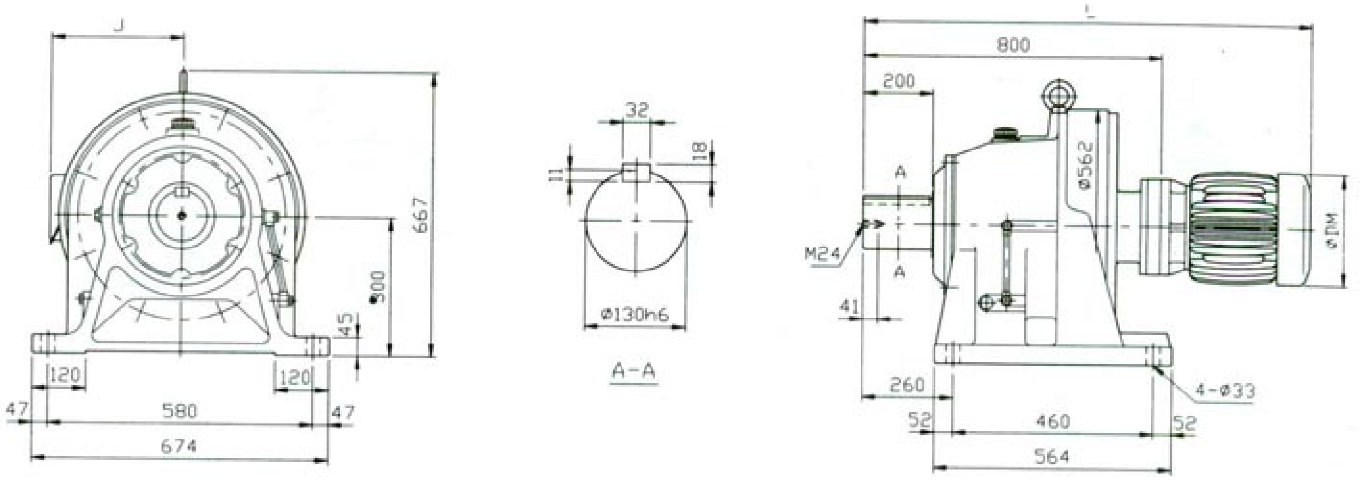
THHM-623/16

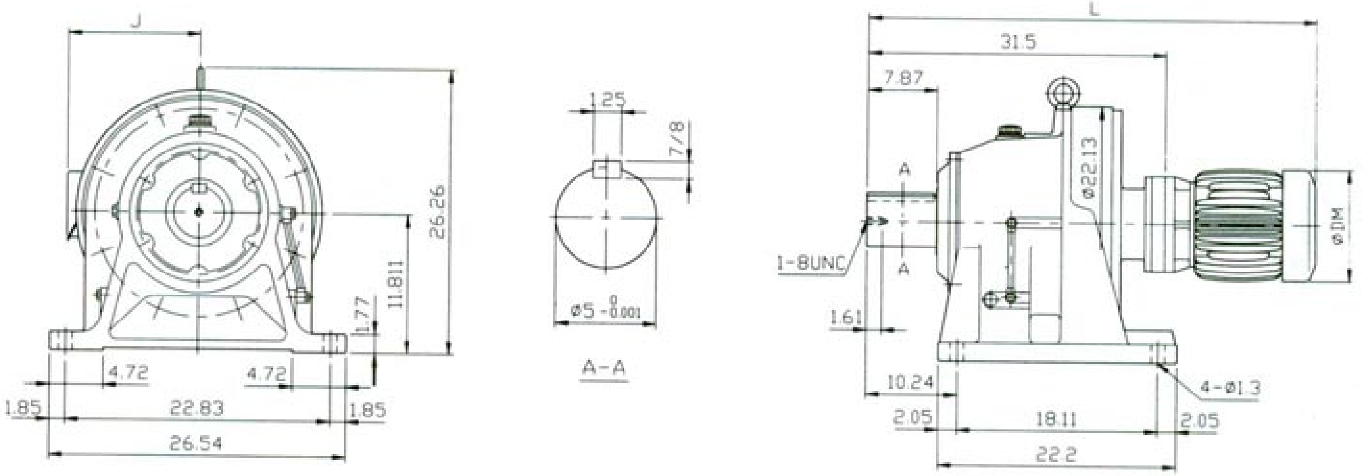




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
2.2	3	4	THHM3-623/16	1092	173	219		564	42.99	6.81	8.62		1241
3.7	5	4	THHM5-623/16	1111	182	238		586	43.74	7.17	9.37		1289
5.5	7.5	4	THHM8-623/16	1145	219	273		594	45.08	8.62	10.75		1307
7.5	10	4	THHM10-623/16	1183	219	273		607	46.57	8.62	10.75		1335
11	15	4	THHM15-623/16	1270	256	334		641	50.00	10.08	13.5		1410
15	20	4	THHM20-623/16	1314	256	334		660	51.73	10.08	13.5		1452

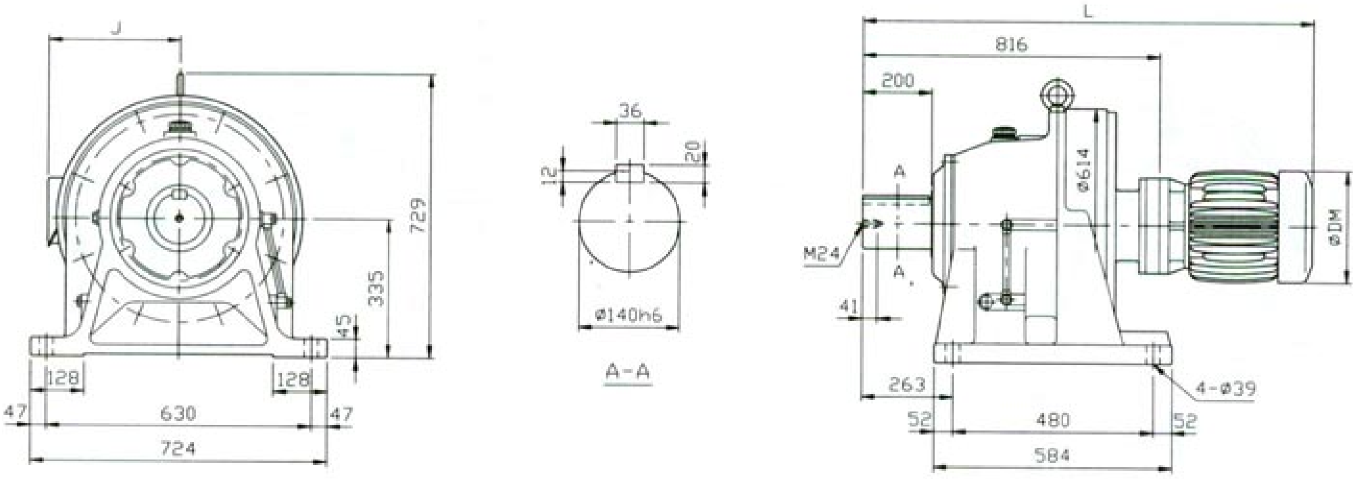
THHM-623/18

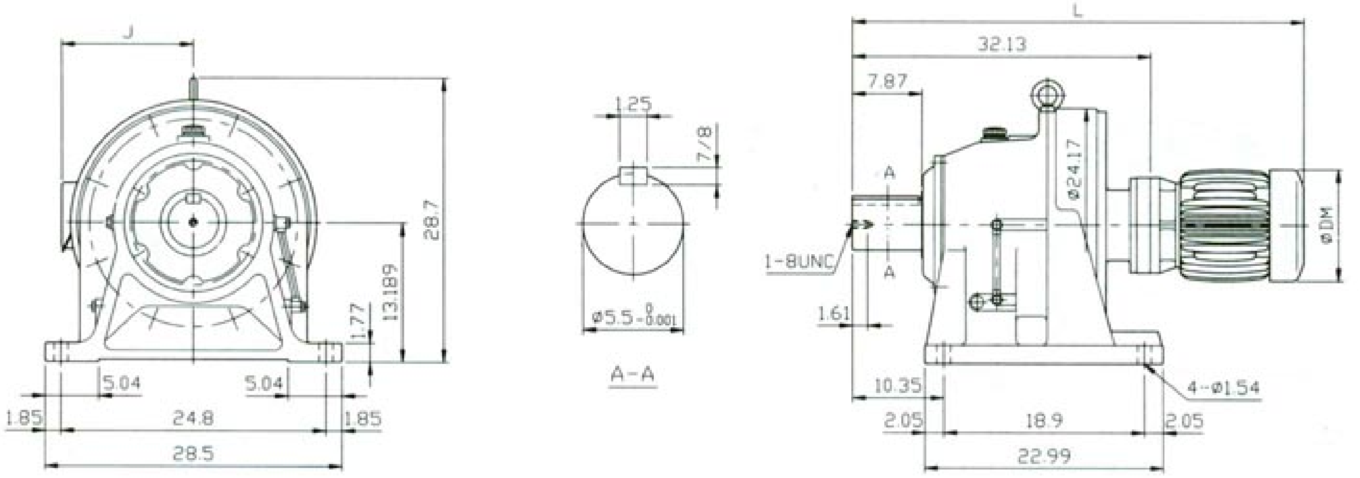




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
7.5	10	4	THHM10-623/18	1226	224	275		610	48.27	8.82	10.75		1342
11	15	4	THHM15-623/18	1294	256	334		694	50.94	10.08	13.15		1527
15	20	4	THHM20-623/18	1338	256	334		699	52.68	10.08	13.15		1538
18.5	25	4	THHM25-623/18	1361	305	382		761	53.58	12.01	15.04		1674
22	30	4	THHM30-623/18	1361	305	382		761	53.58	12.01	15.04		1674

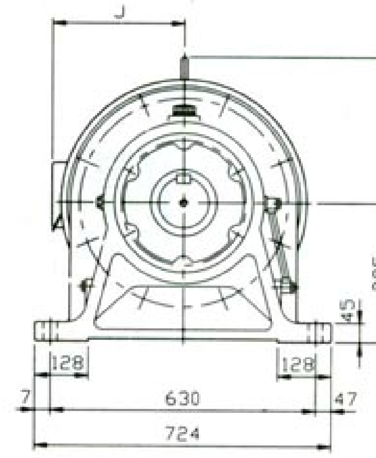
THHM-624/16

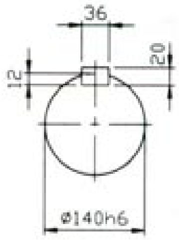




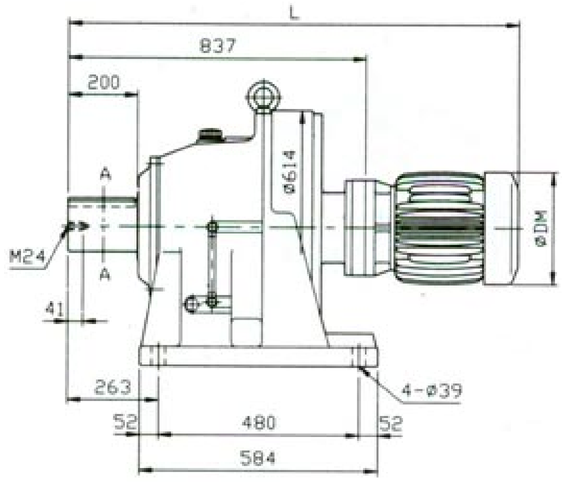
Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
2.2	3	4	THHM3-624/16	1130	173	219		675	44.49	6.81	8.62		1485
3.7	5	4	THHM5-624/16	1149	182	238		687	45.24	7.17	9.37		1514
5.5	7.5	4	THHM8-624/16	1183	219	273		703	46.57	8.62	10.75		1546
7.5	10	4	THHM10-624/16	1221	219	273		718	48.07	8.62	10.75		1580
11	15	4	THHM15-624/16	1308	256	334		750	51.50	10.08	13.5		1650
15	20	4	THHM20-624/16	1352	256	334		769	53.22	10.08	13.5		1692

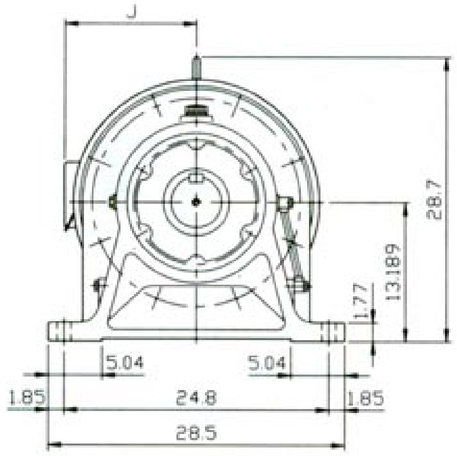
THHM-624/18

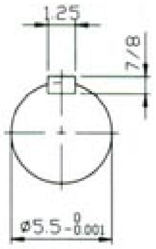




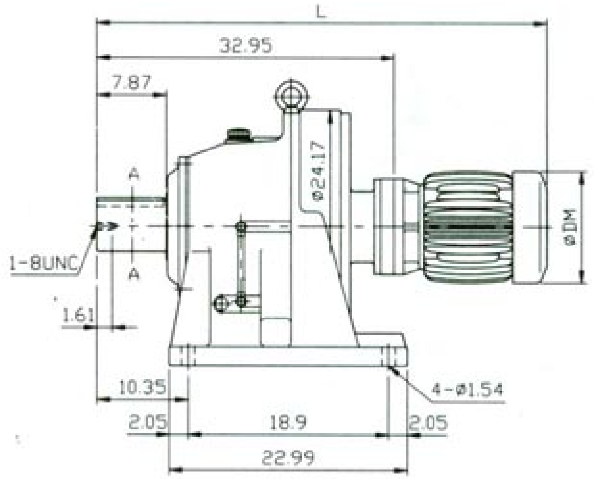
A-A





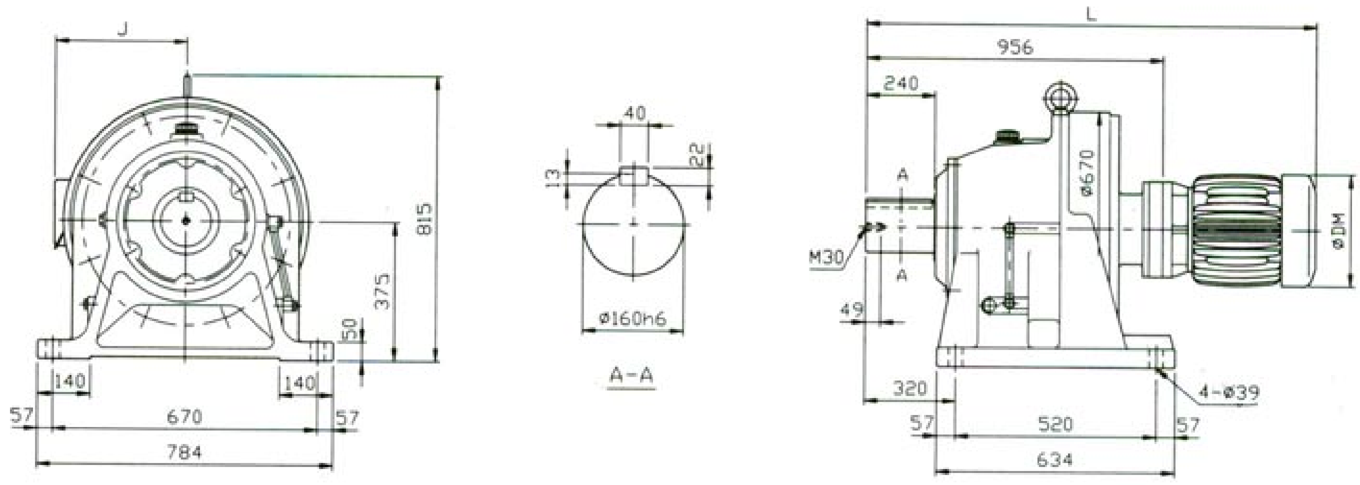


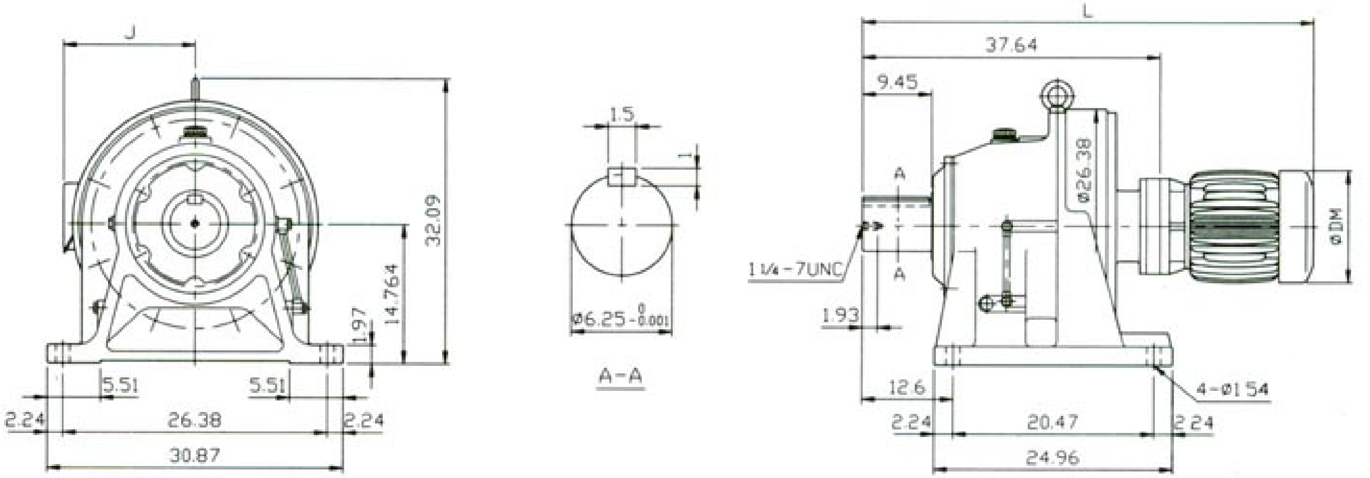
A-A



Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
7.5	10	4	THHM10-624/18	1263	224	273		705	49.72	8.82	10.75		1551
11	15	4	THHM15-624/18	1331	256	334		738	52.40	10.08	13.15		1624
15	20	4	THHM20-624/18	1375	256	334		798	54.13	10.08	13.15		1756
18.5	25	4	THHM25-624/18	1398	305	382		862	55.04	12.01	15.04		1896
22	30	4	THHM30-624/18	1398	305	382		862	55.04	12.01	15.04		1896

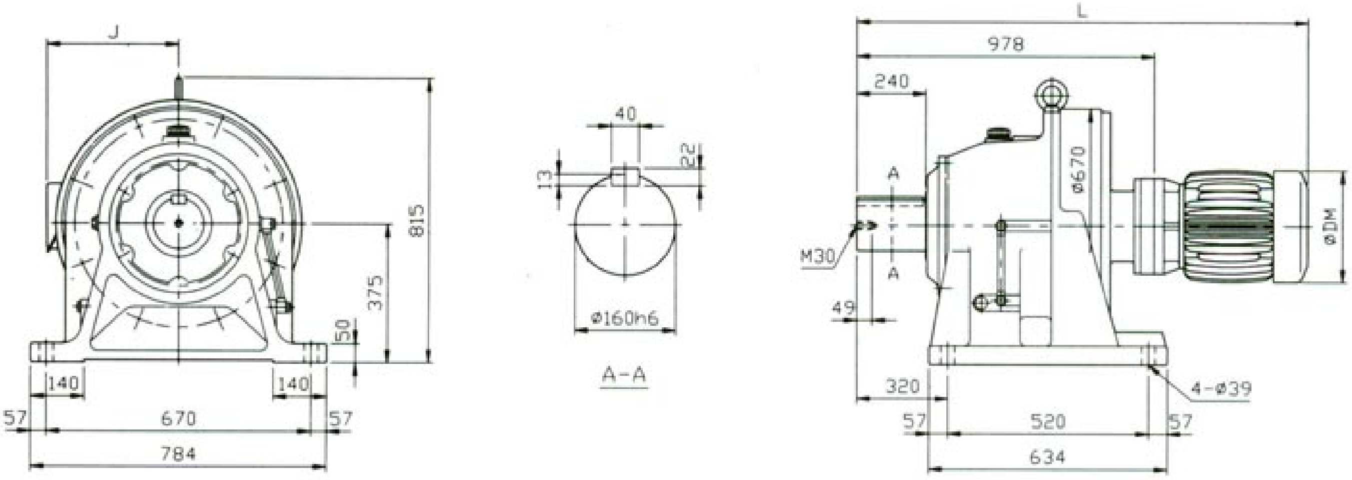
THHM-625/17

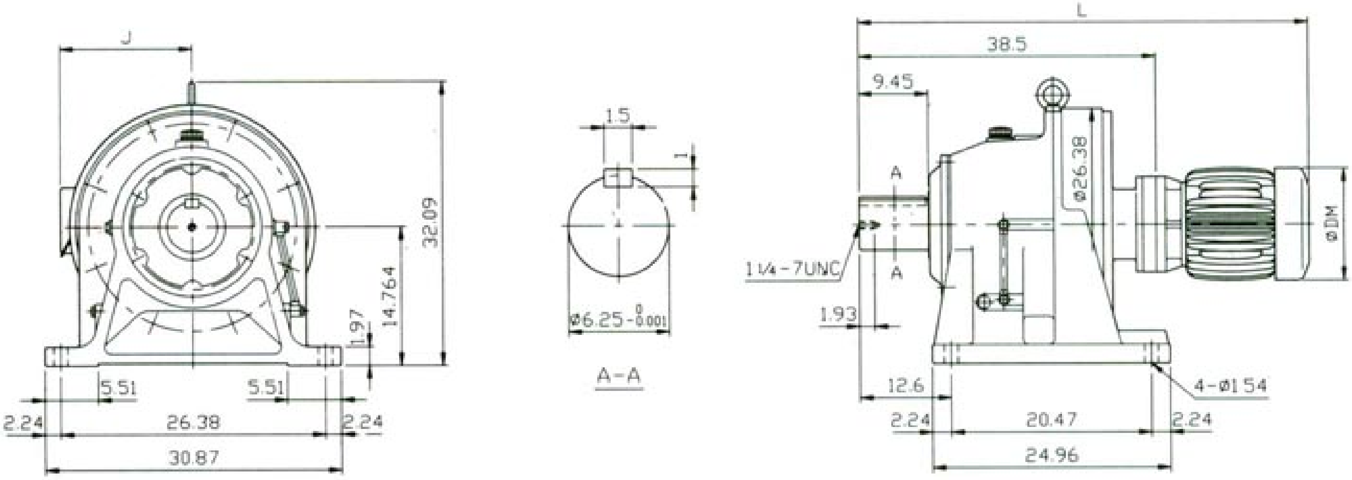




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	THHM5-625/17	1301	182	238		1055	51.22	7.17	9.37		2321
5.5	7.5	4	THHM8-625/17	1335	218	273		1071	52.56	8.58	10.75		2356
7.5	10	4	THHM10-625/17	1373	218	273		1083	54.06	8.58	10.75		2338
11	15	4	THHM15-625/17	1448	256	334		1104	57.01	10.08	13.15		2429
15	20	4	THHM20-625/17	1492	256	334		1121	58.74	10.08	13.15		2466
18.5	25	4	THHM25-625/17	1517	305	382		1190	59.72	12.01	15.04		2618
22	30	4	THHM30-625/17	1517	305	382		1190	59.72	12.01	15.04		2618

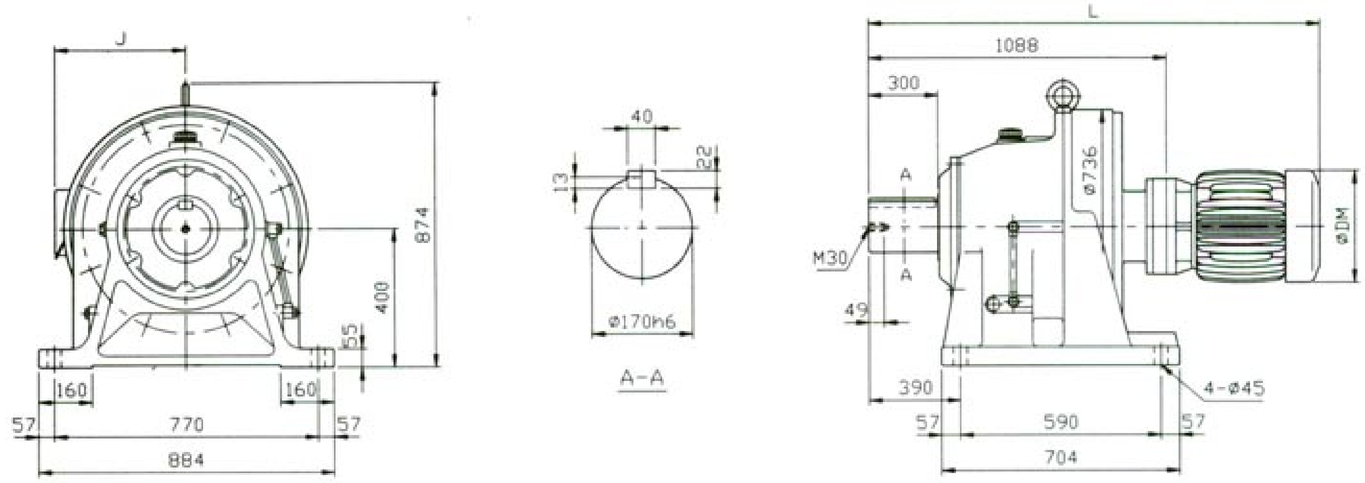
THHM-625/19

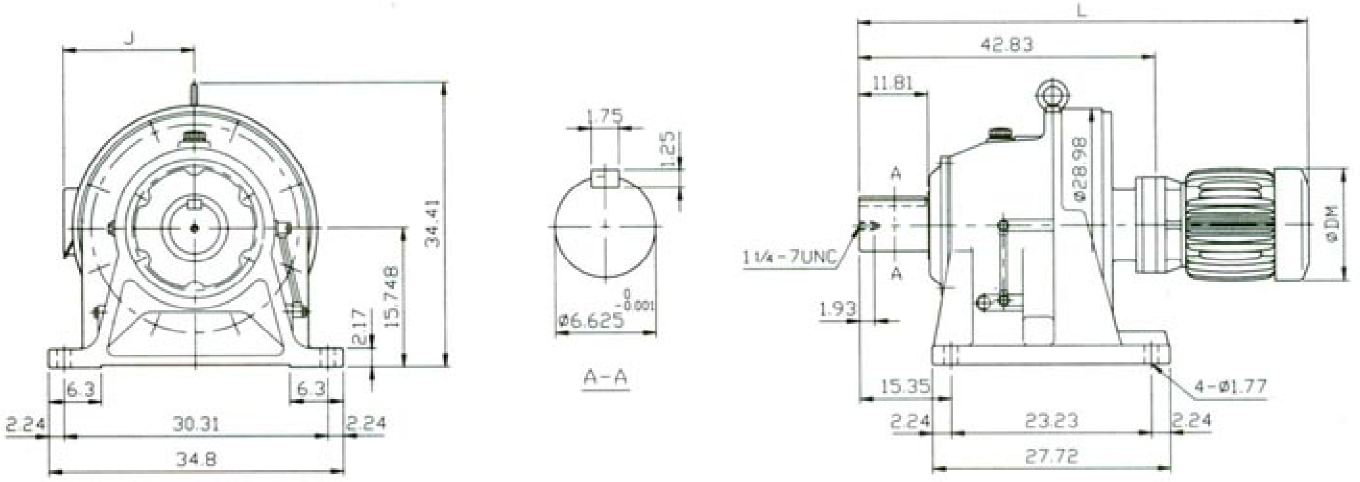




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
7.5	10	4	THHM10-625/19	1401	224	273		1081	55.16	8.82	10.75		2378
11	15	4	THHM15-625/19	1476	261	334		1140	58.11	10.28	13.15		2508
15	20	4	THHM20-625/19	1520	261	334		1190	59.84	10.28	13.15		2620
18.5	25	4	THHM25-625/19	1539	305	382		1264	60.59	12.01	15.04		2781
22	30	4	THHM30-625/19	1539	305	382		1264	60.59	12.01	15.04		2781
30	40	4	THHM40-625/19	1577	305	382		1280	62.09	12.01	15.04		2816

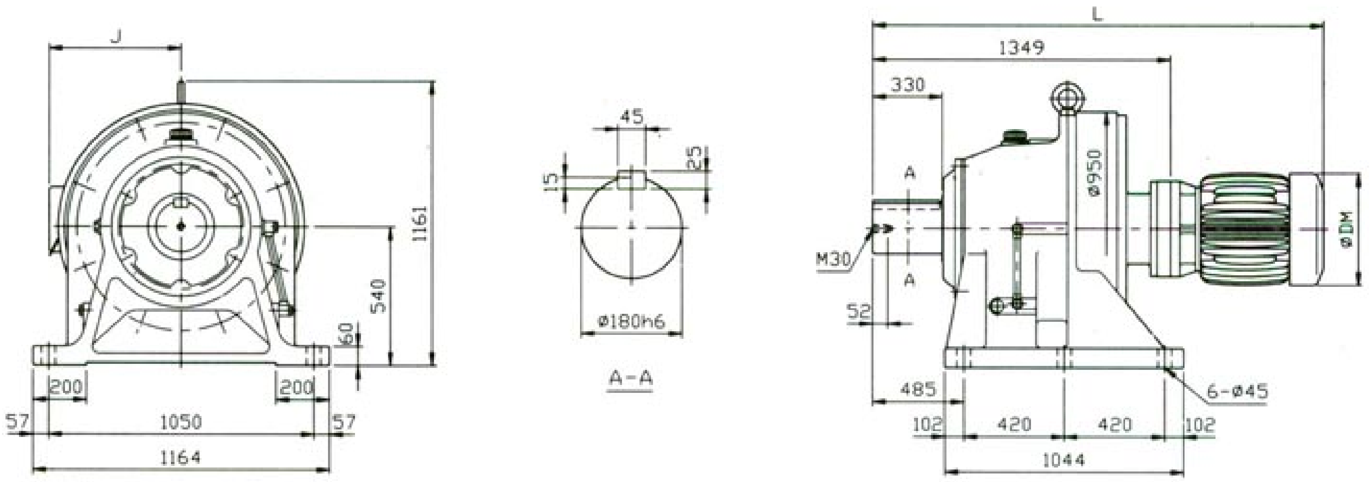
THHM-626/19

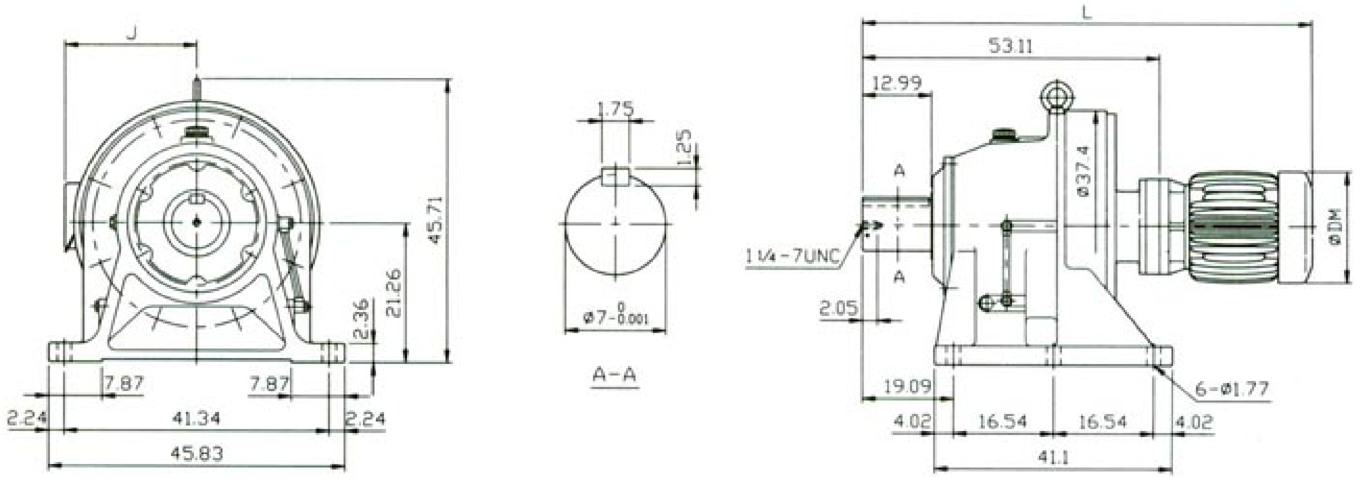




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
5.5	7.5	4	THHM8-626/19	1473	224	273		1251	57.99	8.82	10.75		2752
7.5	10	4	THHM10-626/19	1511	224	273		1263	59.49	8.82	10.75		2779
11	15	4	THHM15-626/19	1586	261	334		1394	62.44	10.28	13.15		3067
15	20	4	THHM20-626/19	1630	261	334		1444	64.17	10.28	13.15		3177
18.5	25	4	THHM25-626/19	1649	305	382		1519	64.92	12.01	15.04		3342
22	30	4	THHM30-626/19	1649	305	382		1519	64.92	12.01	15.04		3342
30	40	4	THHM40-626/19	1687	305	382		1535	66.42	12.01	15.04		3377
37	50	4	THHM50-626/19	1750	339	420		1569	69.90	13.35	16.54		3452

THHM-627/19

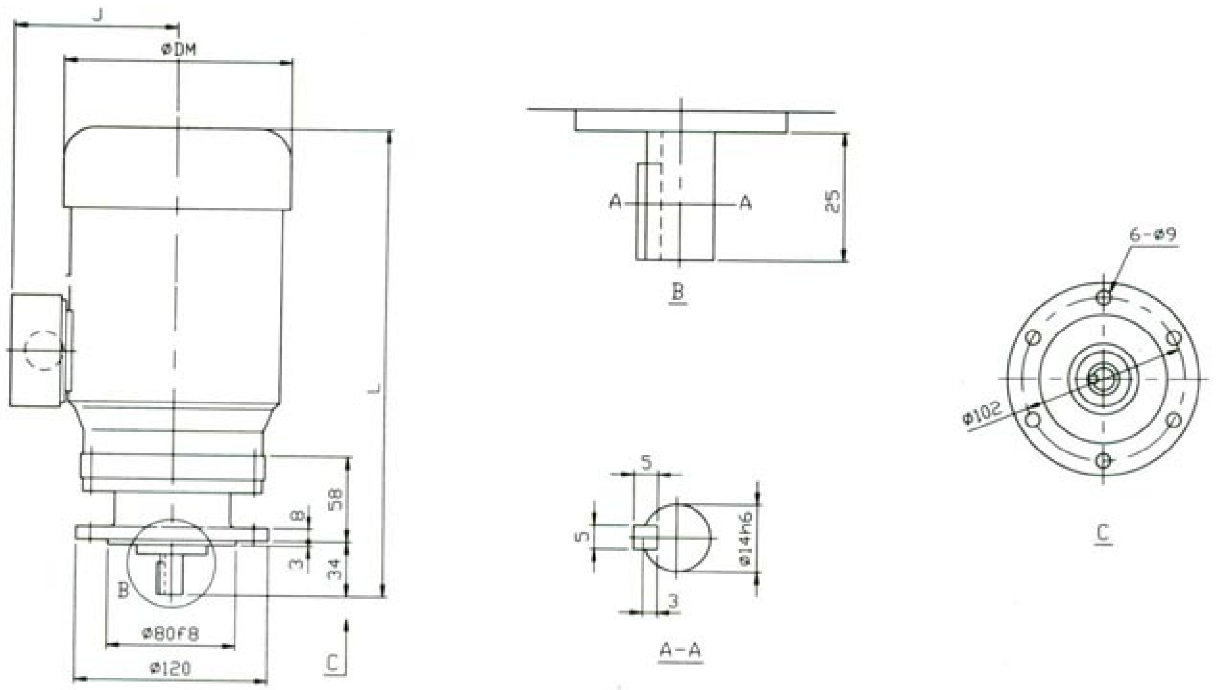


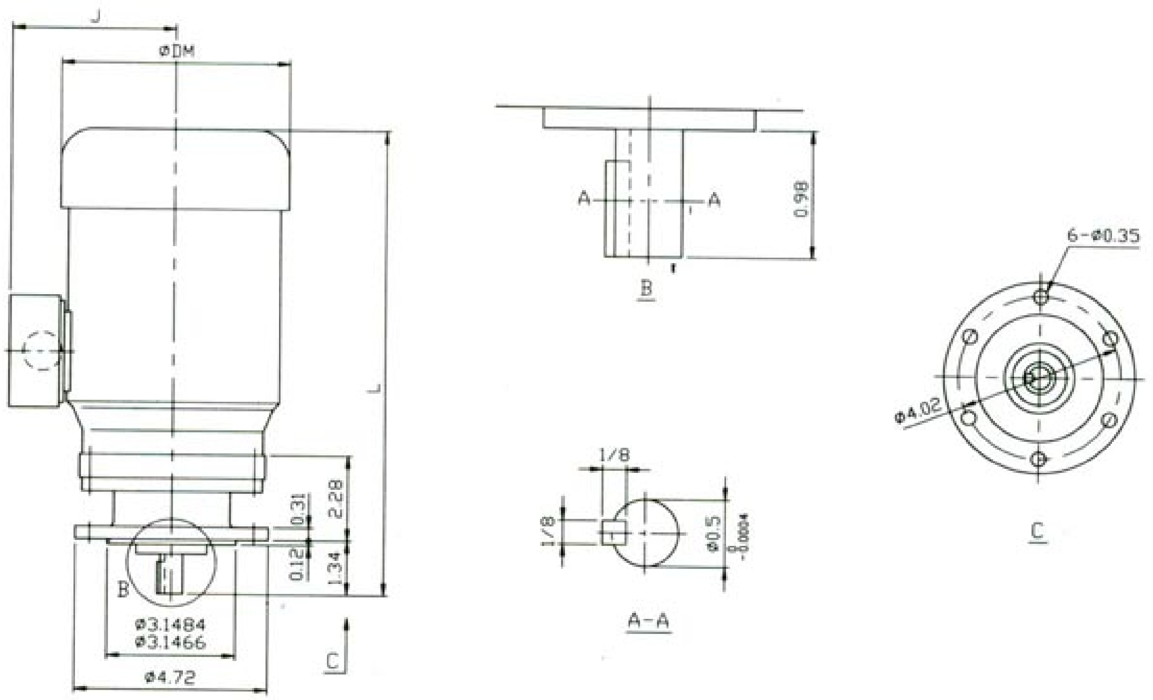


Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
5.5	7.5	4	THHM8-627/19	1734	224	273		2501	68.27	8.82	10.75		5502
7.5	10	4	THHM10-627/19	1772	224	273		2533	69.76	8.82	10.75		5573
11	15	4	THHM15-627/19	1847	261	334		2529	72.72	10.28	13.15		5564
15	20	4	THHM20-627/19	1891	261	334		2579	74.45	10.28	13.15		5674
18.5	25	4	THHM25-627/19	1910	305	382		2654	75.20	12.01	15.04		5839
22	30	4	THHM30-627/19	1910	305	382		2654	75.20	12.01	15.04		5839
30	40	4	THHM40-627/19	1948	305	382		2670	76.69	12.01	15.04		5874
37	50	4	THHM50-627/19	2011	339	420		2703	76.69	13.35	16.54		5947

DIMENSION DRAWINGS For Single Stage Reduction, Vertical TRANSCYKO Gearmotor

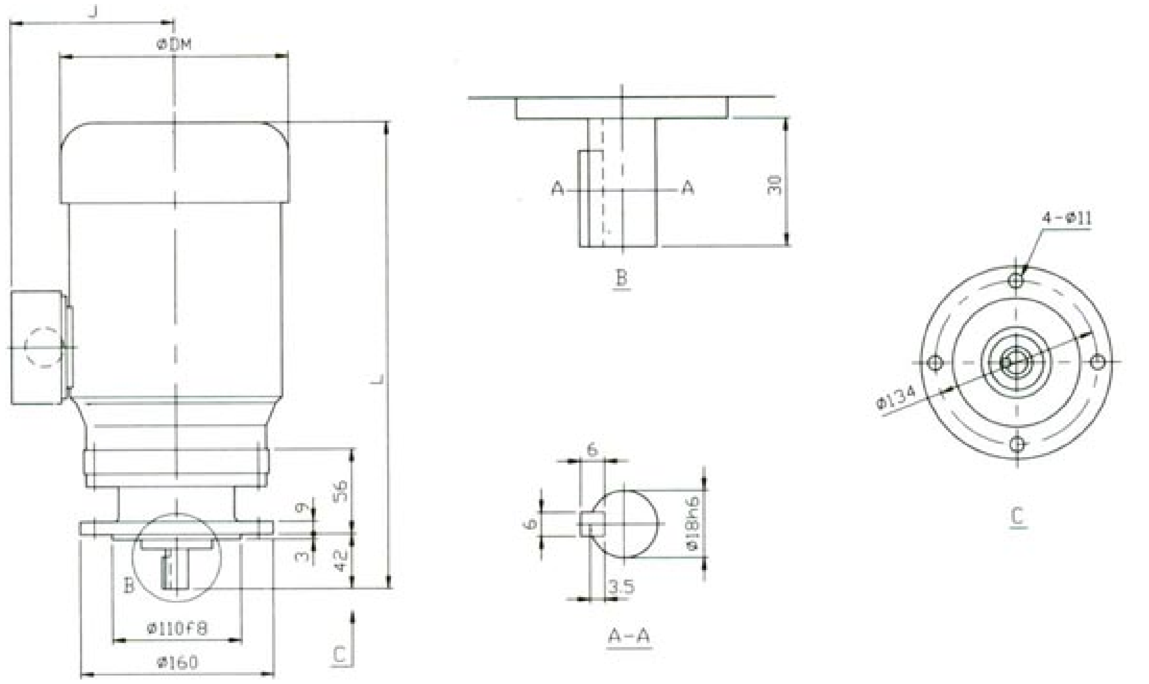
TVM-607

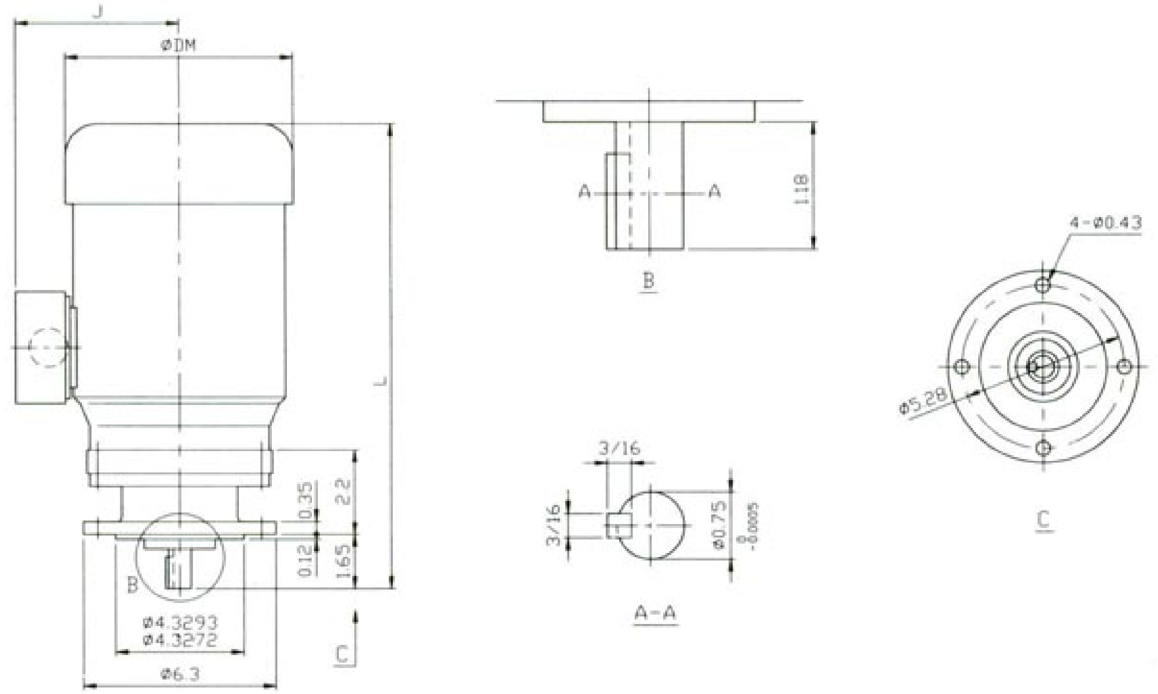




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	TVM02-607	311	121	144		13	12.24	4.76	5.67		26.4

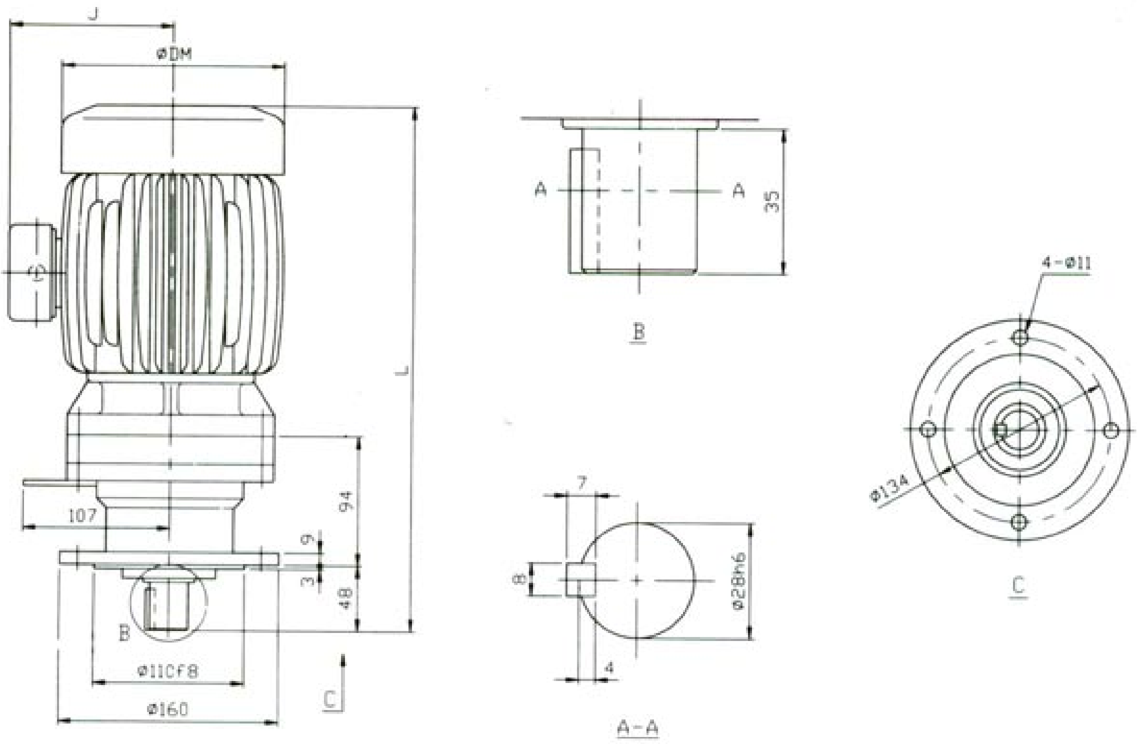
TVM-608

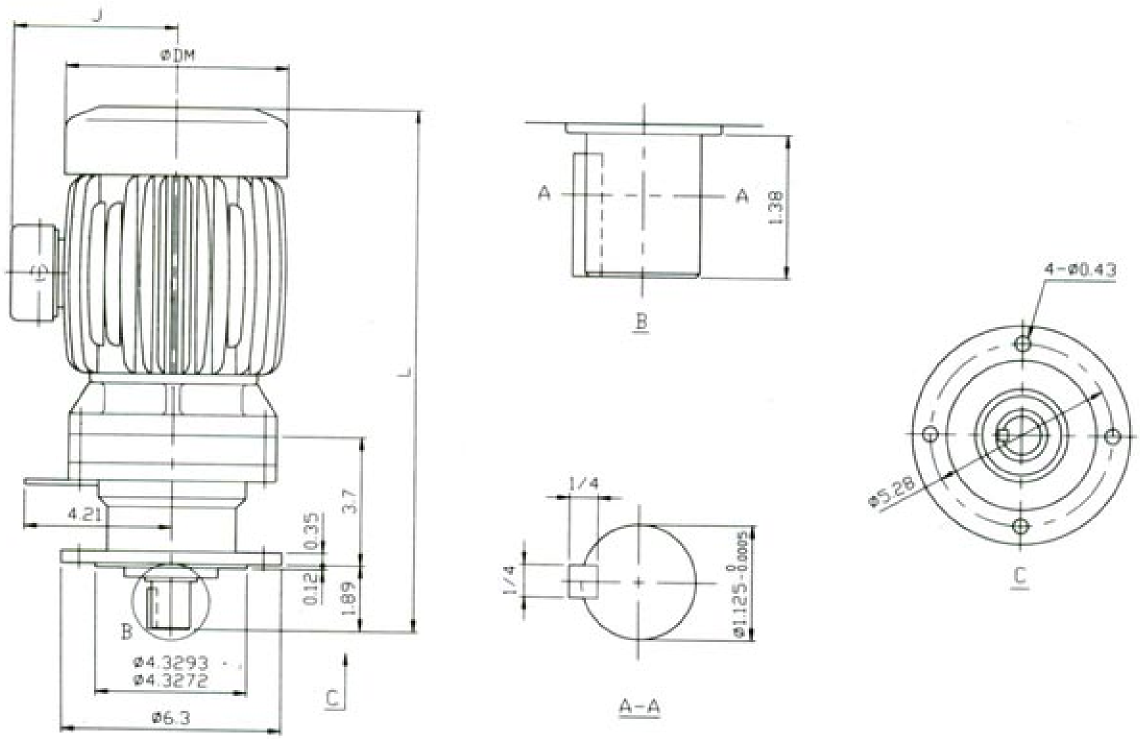




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	TVM02-608	317	121	144		14	12.48	4.76	5.67		30.8
0.4	1/2	4	TVM05-608	388	132	162		16	13.31	5.20	6.38		35.2

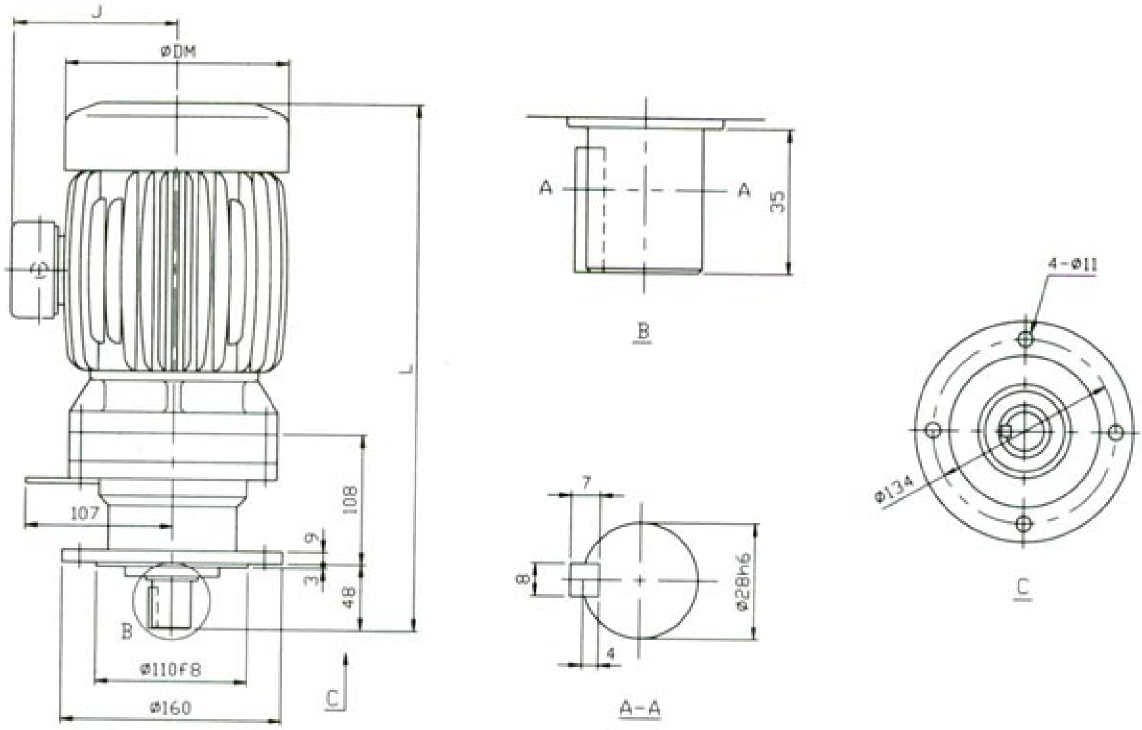
TVM-609

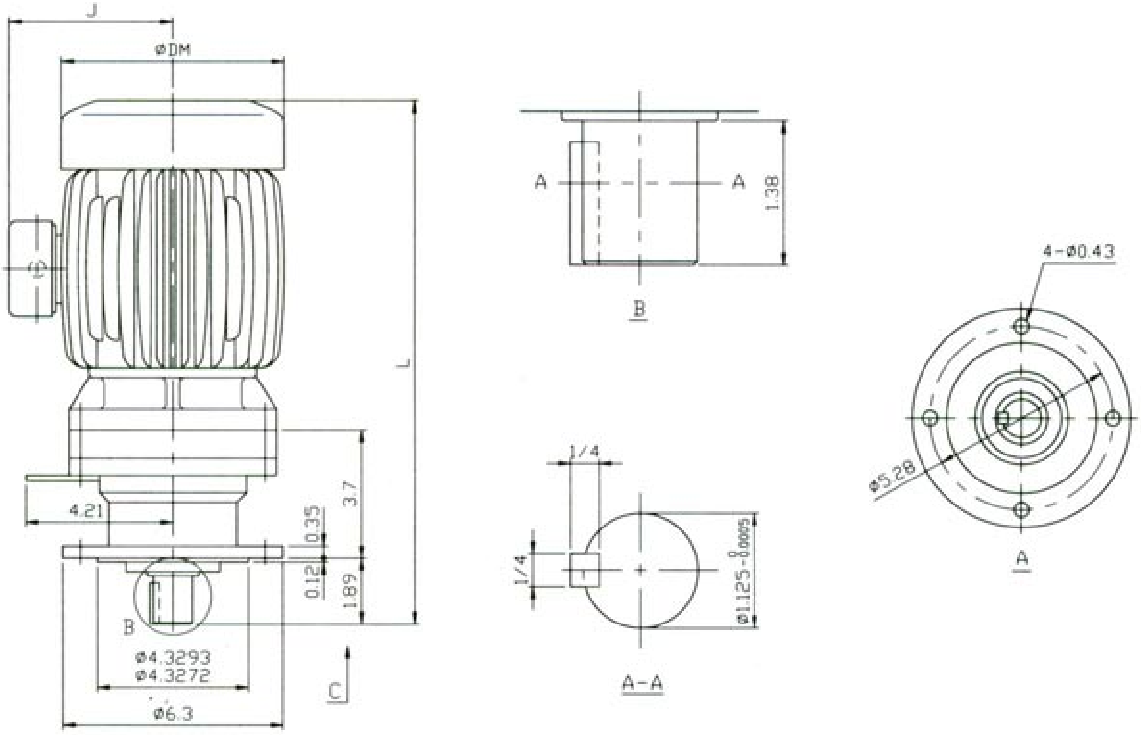




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	TVM02-609	361	121	144		18	14.21	4.76	5.67		39.6
0.4	1/2	4	TVM05-609	382	132	162		20	15.04	5.20	6.38		44.0
0.75	1	4	TVM1-609	381	137	177		24	15.00	5.39	6.97		52.8

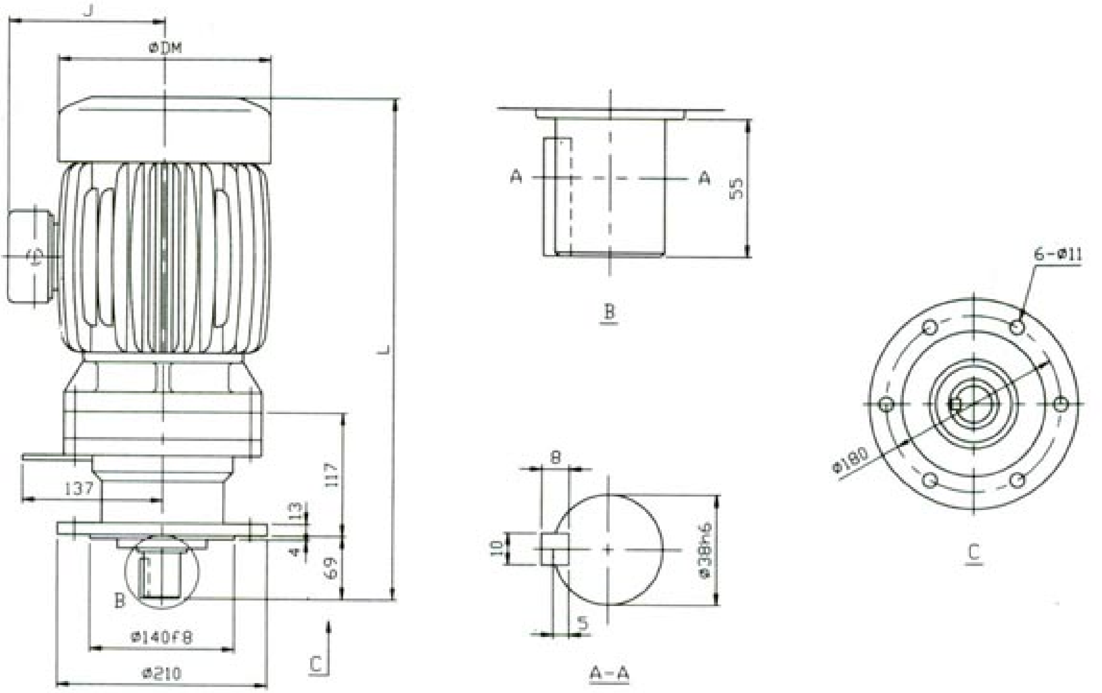
TVM-610

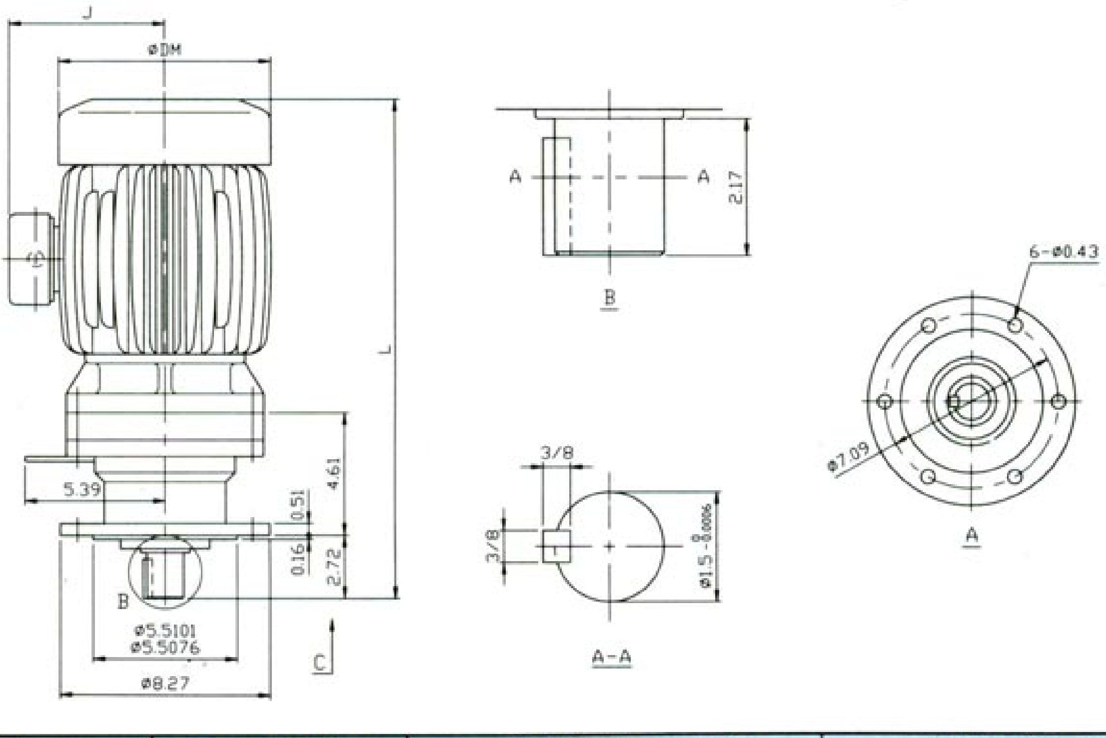




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	TVM02-610	375	121	144		20	14.76	4.76	5.67		44.0
0.4	1/2	4	TVM05-610	396	132	162		22	15.59	5.20	6.38		48.4
0.75	1	4	TVM1-610	395	137	177		26	15.55	5.39	6.97		57.2
1.5	2	4	TVM2-610	432	150	200		35	17.01	5.91	7.87		77.0
2.2	3	4	TVM3-610	467	173	219		45	18.39	6.81	8.62		99.0

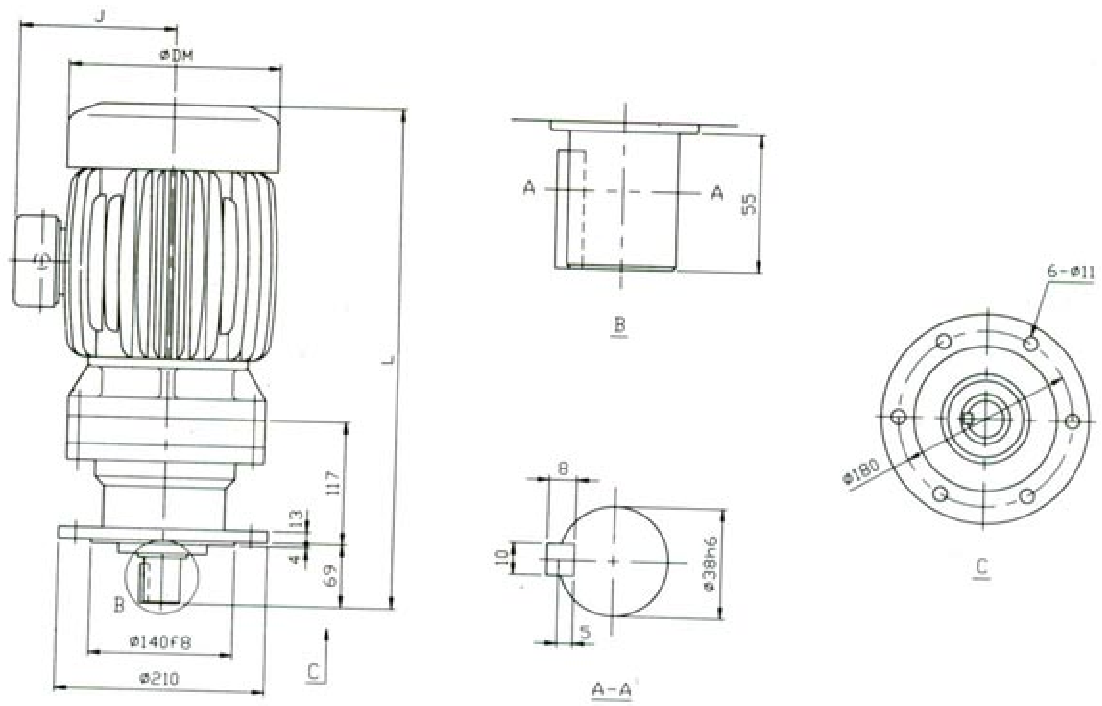
TVM-611

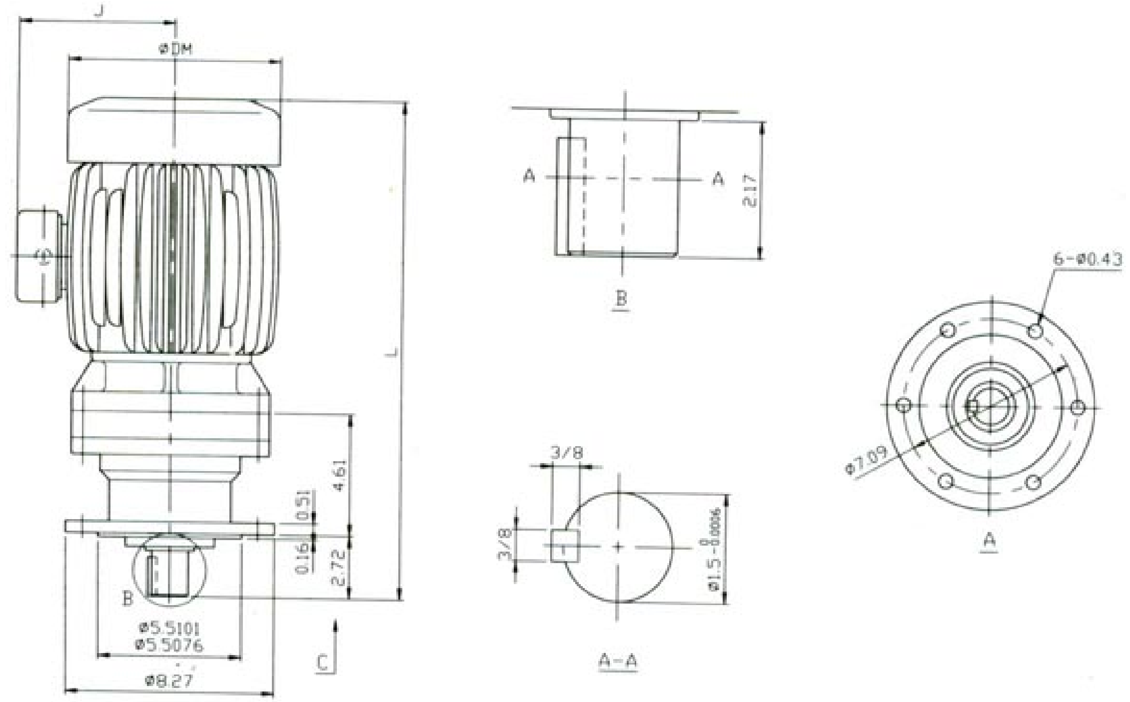




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	TVM05-611	425	132	162		35	16.73	5.20	6.38		77.0
0.75	1	4	TVM1-611	434	137	177		38	17.09	5.39	6.97		83.6
1.5	2	4	TVM2-611	471	156	200		47	18.54	5.91	7.87		103.8
2.2	3	4	TVM3-611	497	173	219		56	19.57	6.81	8.62		123.2
3.7	5	4	TVM5-611	513	188	238		67	20.20	7.40	9.37		147.4

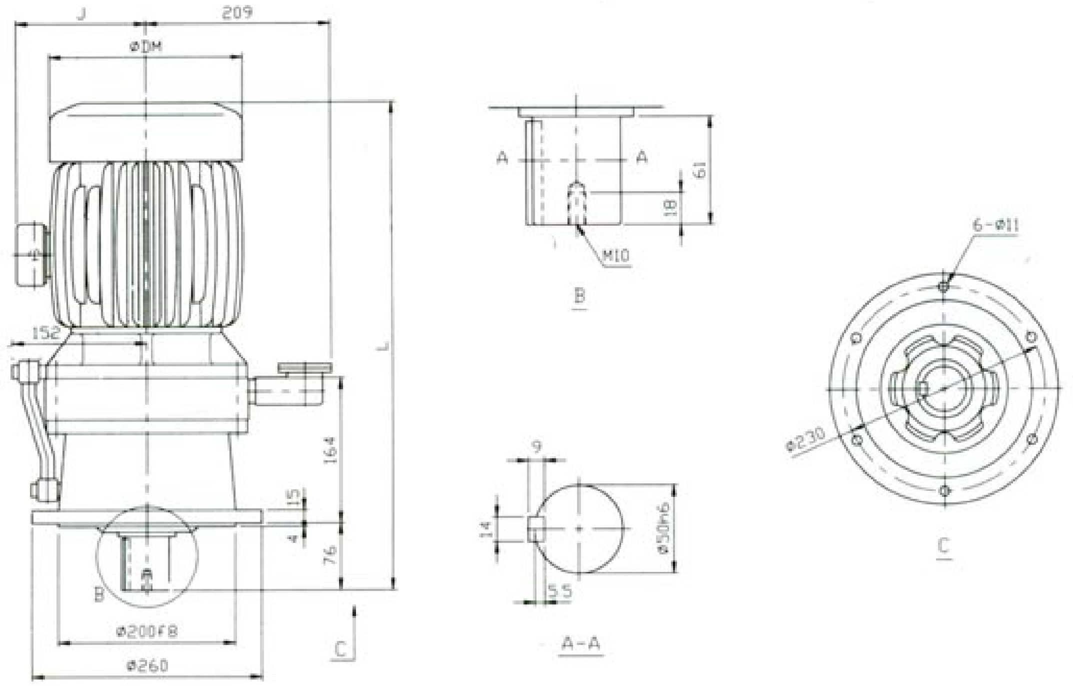
TVM-612

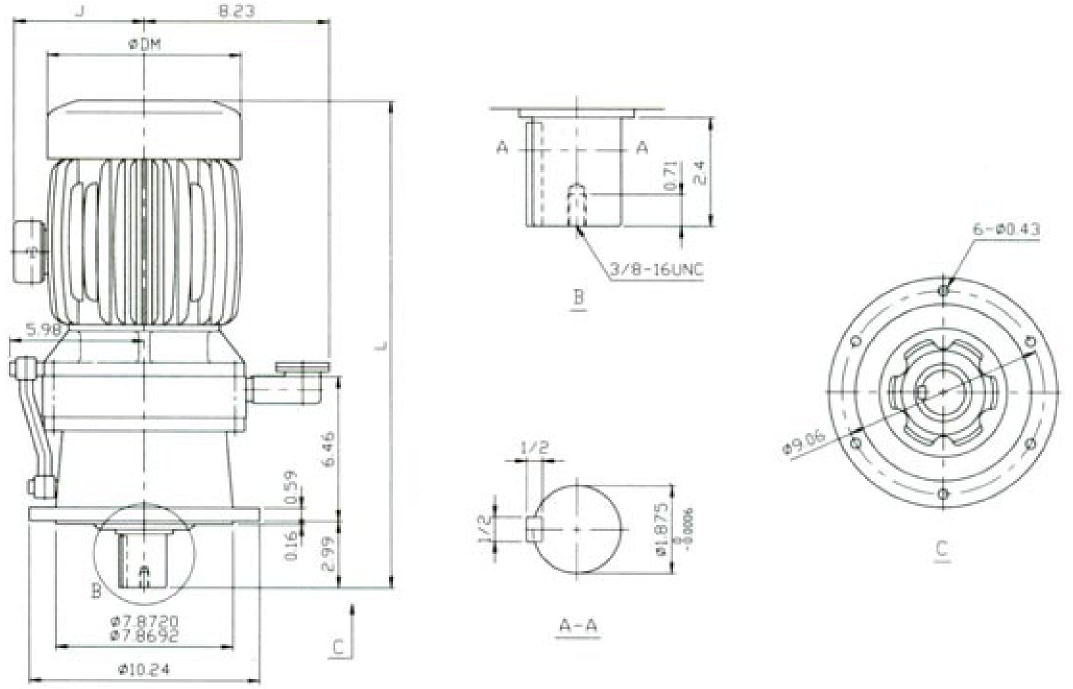




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TVM1-612	434	137	177		38	17.09	5.39	6.97		83.6
2.2	3	4	TVM3-612	497	173	219		56	19.57	6.81	8.62		123.2
3.7	5	4	TVM5-612	513	188	238		67	20.20	7.40	9.37		147.4
5.5	7.5	4	TVM8-612	557	223	273		86	21.93	8.78	10.75		189.2

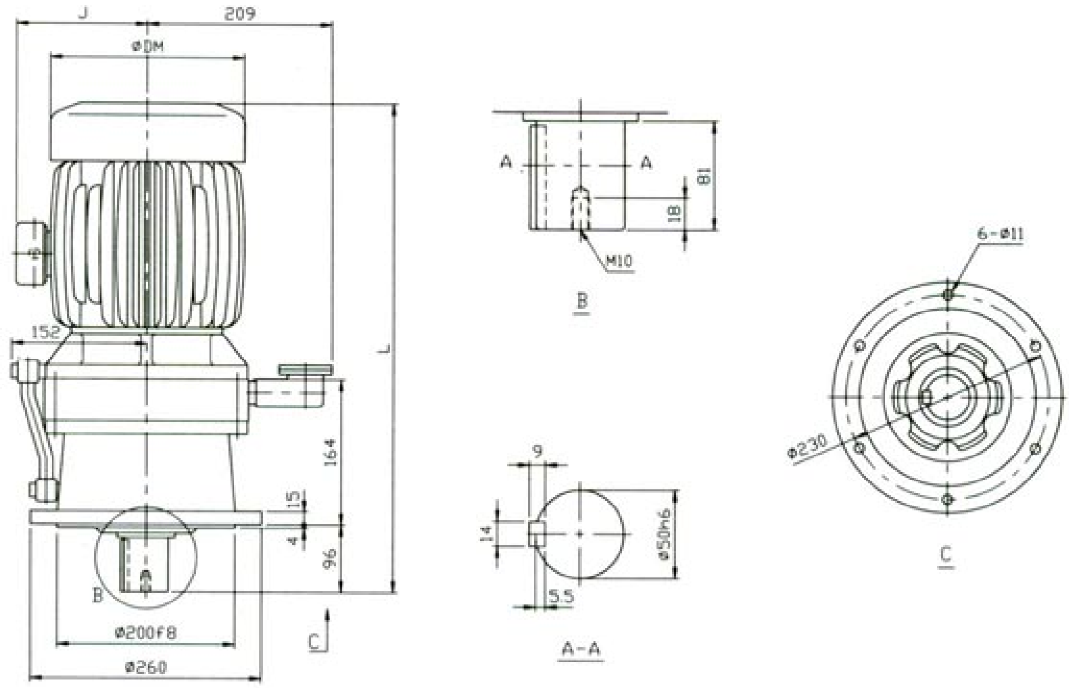
TDVM-613

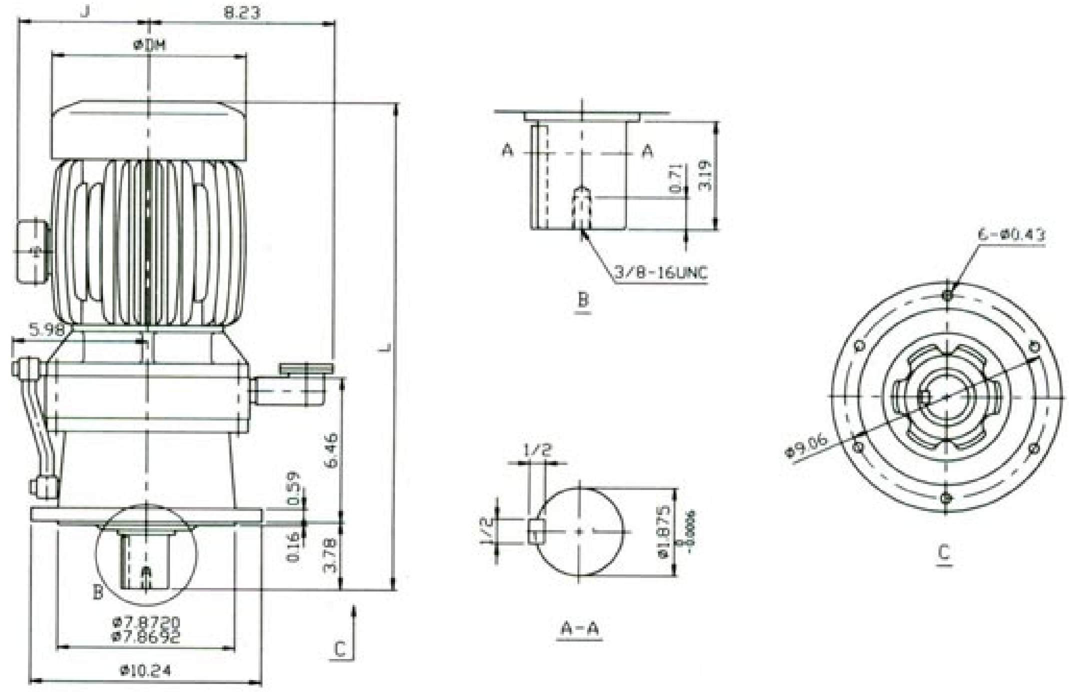




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	•1	4	TDVM1-613	484	143	177		57	19.06	5.63	6.97		125.4
1.5	2	4	TDVM2-613	524	150	200		66	20.63	5.91	7.87		145.2
2.2	3	4	TDVM3-613	551	173	219		78	21.69	6.81	8.62		171.6
3.7	5	4	TDVM5-613	570	187	238		89	22.44	7.36	9.37		195.8
5.5	7.5	4	TDVM8-613	614	218	273		103	24.17	8.58	10.75		226.6
7.5	10	4	TDVM10-613	652	223	273		115	25.67	8.78	10.75		253.0

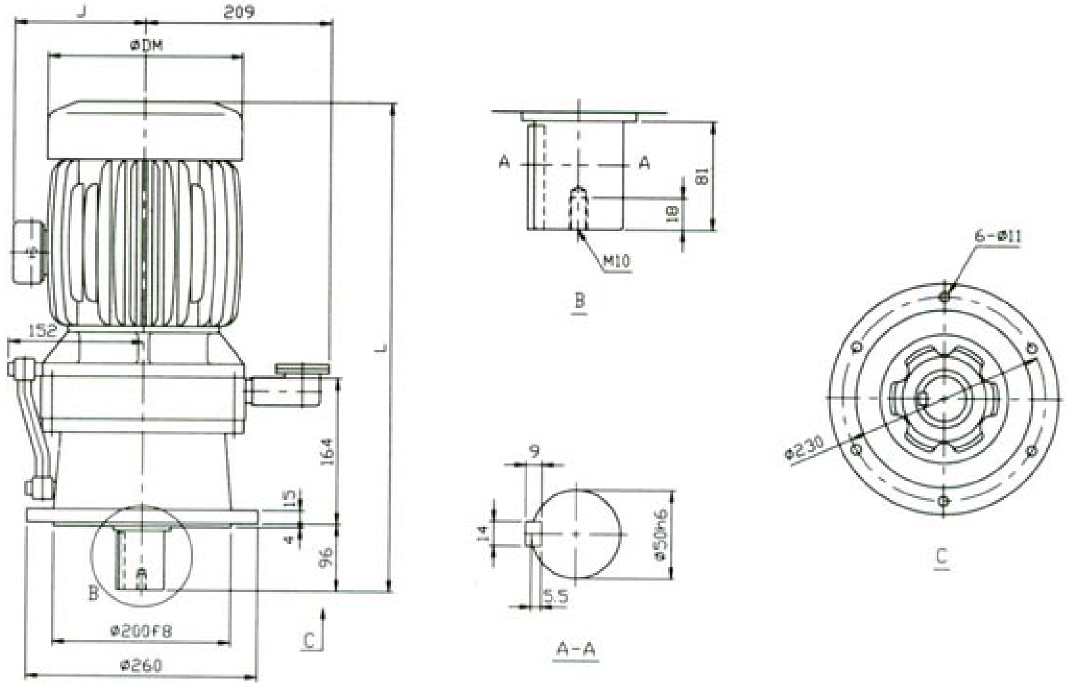
TDVM-614

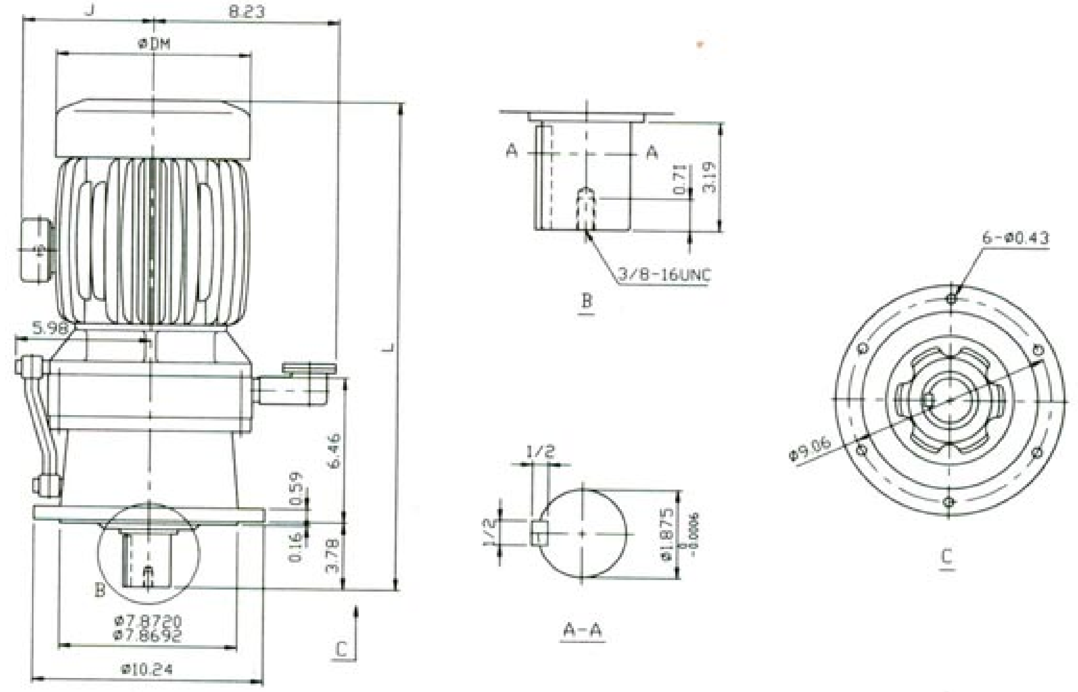




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TDVM1-614	504	143	177		58	19.84	5.63	6.97		127.6
1.5	2	4	TDVM2-614	544	150	200		67	21.42	5.91	7.87		147.4
2.2	3	4	TDVM3-614	571	173	219		79	22.48	6.81	8.62		173.8
3.7	5	4	TDVM5-614	590	187	238		90	23.23	7.36	9.37		198.0
5.5	7.5	4	TDVM8-614	634	218	273		104	24.96	8.58	10.75		228.8
7.5	10	4	TDVM10-614	672	223	273		116	26.46	8.78	10.75		255.2

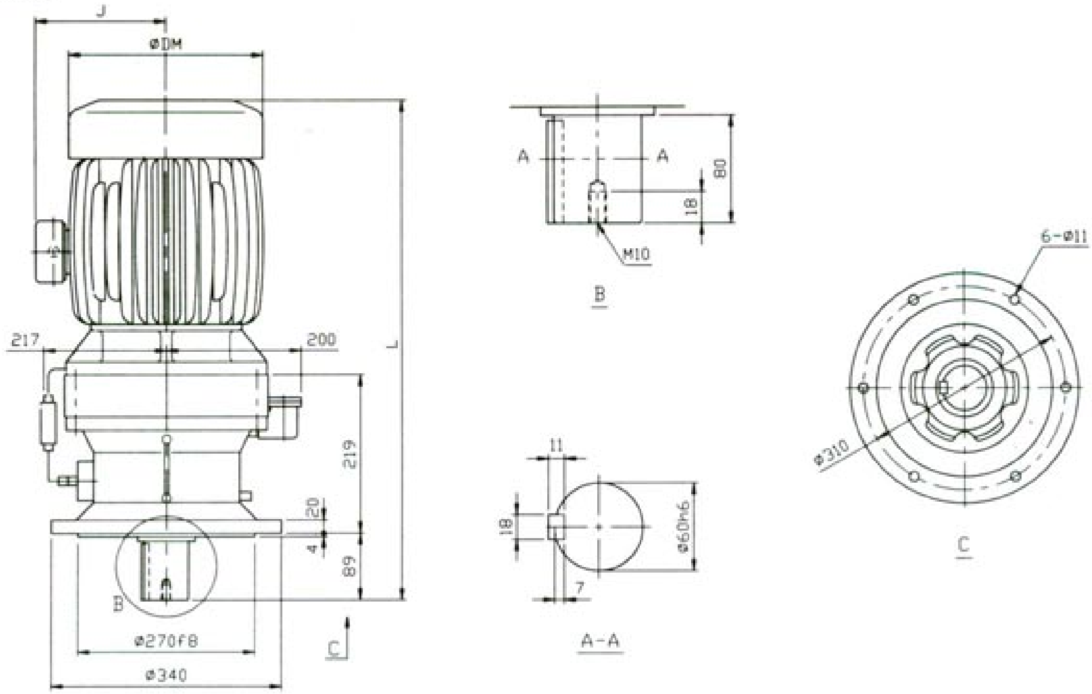
TDVM-615

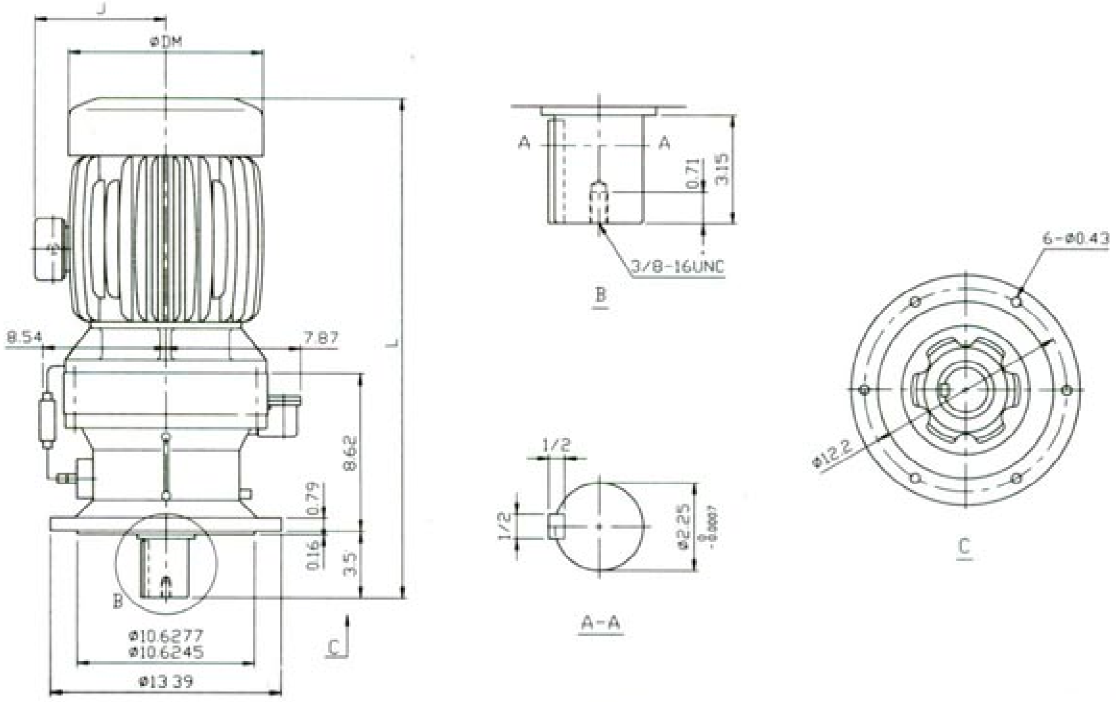




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TDVM1-615	504	143	177		58	19.84	5.63	6.97		127.6
1.5	2	4	TDVM2-615	544	150	200		67	21.42	5.91	7.87		147.4
2.2	3	4	TDVM3-615	571	173	219		79	22.48	6.81	8.62		173.8
3.7	5	4	TDVM5-615	590	187	238		90	23.23	7.36	9.37		198.0
5.5	7.5	4	TDVM8-615	634	218	273		104	24.96	8.58	10.75		228.8
7.5	10	4	TDVM10-615	672	223	273		116	26.46	8.78	10.75		255.2
11	15	4	TDVM15-615	752	256	334		142	29.61	10.08	13.15		312.4

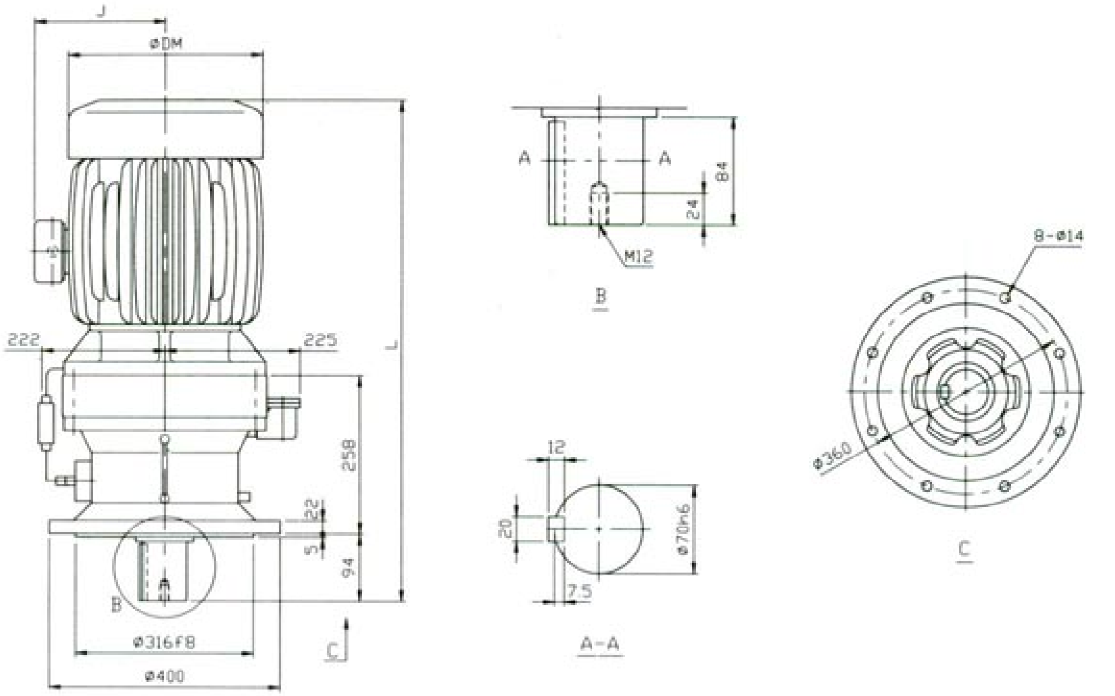
TDVM-616

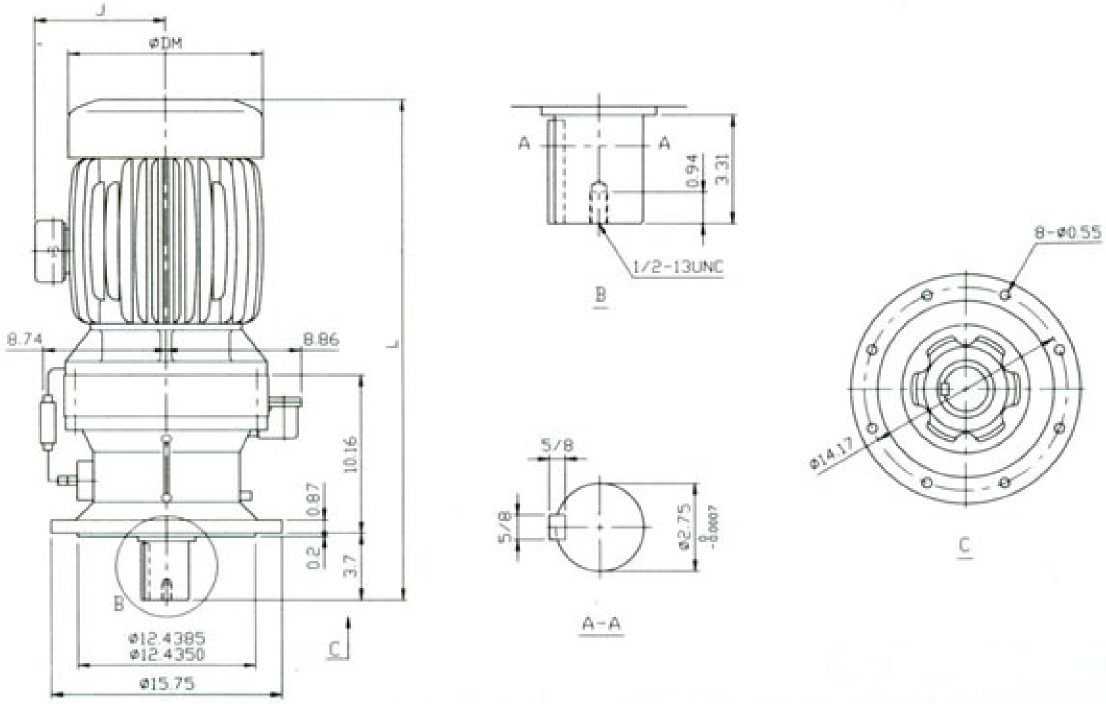




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
1.5	2	4	TDVM2-616	593	150	200		103	23.35	5.91	7.87		226.6
2.2	3	4	TDVM3-616	622	173	219		115	24.49	6.81	8.62		253.0
3.7	5	4	TDVM5-616	641	187	238		125	25.24	7.36	9.37		275.0
5.5	7.5	4	TDVM8-616	675	218	273		140	26.57	8.58	10.75		308.0
7.5	10	4	TDVM10-616	713	223	273		152	28.07	8.87	10.75		334.2
11	15	4	TDVM15-616	800	256	334		174	31.05	10.08	13.15		382.8
15	20	4	TDVM20-616	844	256	334		191	33.23	10.08	13.15		420.2

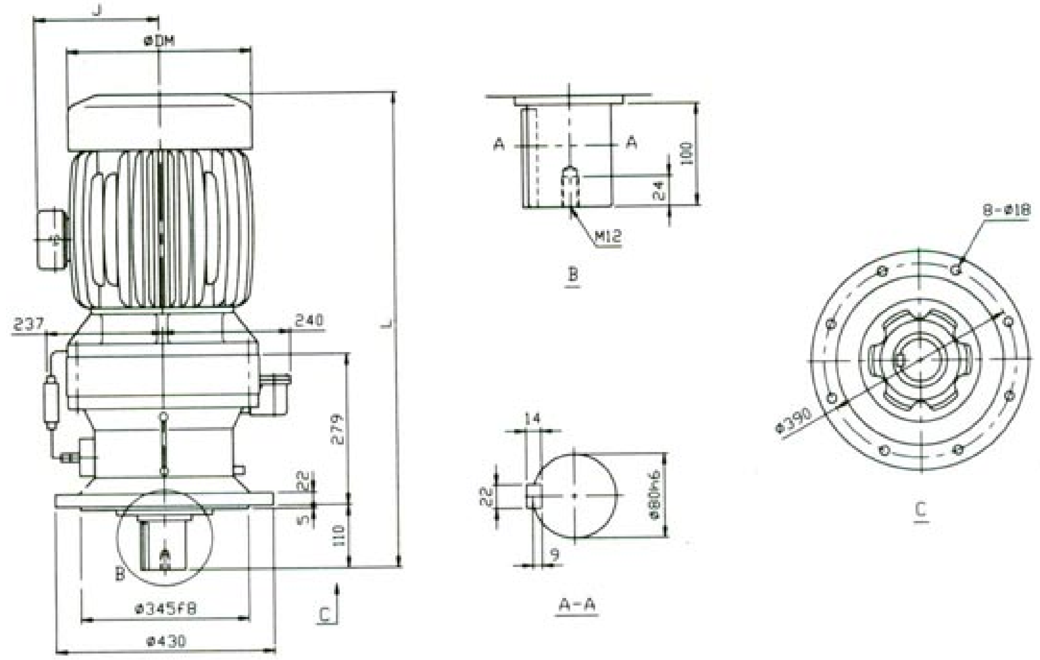
TDVM-617

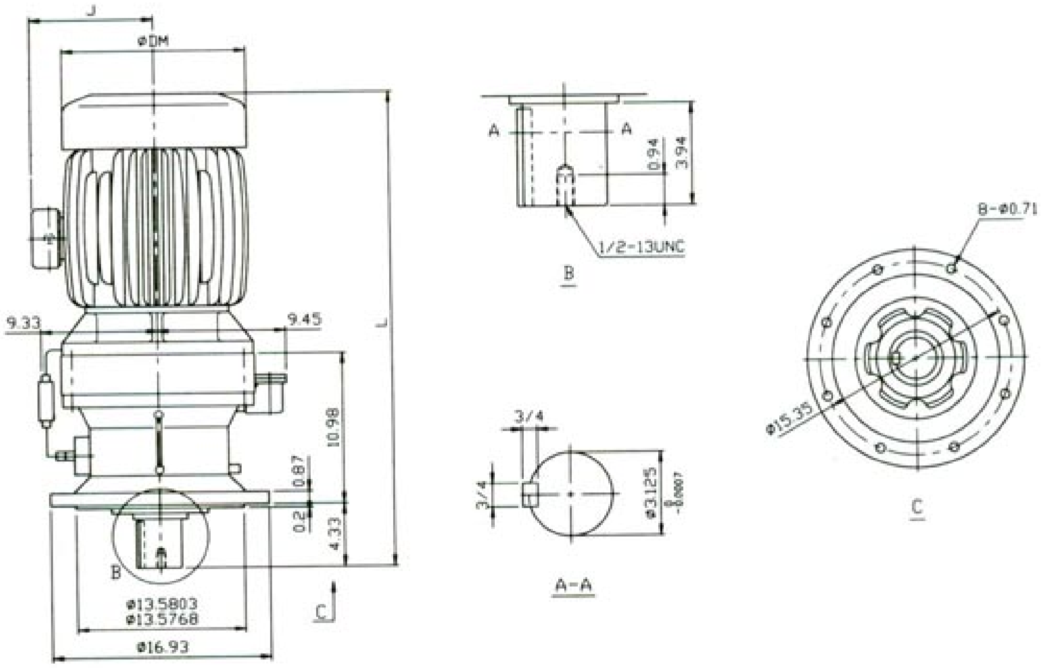




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	TDVM5-617	697	182	238		170	27.44	7.17	9.37		374.0
5.5	7.5	4	TDVM8-617	731	218	273		185	28.78	8.58	10.75		407.0
7.5	10	4	TDVM10-617	769	218	273		198	30.28	8.78	10.75		435.6
11	15	4	TDVM15-617	844	256	334		199	33.23	10.08	13.15		437.8
15	20	4	TDVM20-617	888	256	334		234	34.96	10.08	13.15		514.8
18.5	25	4	TDVM25-617	911	305	382		301	35.87	12.01	15.04		662.2
22	30	4	TDVM30-617	911	305	382		301	35.87	12.01	15.04		662.2

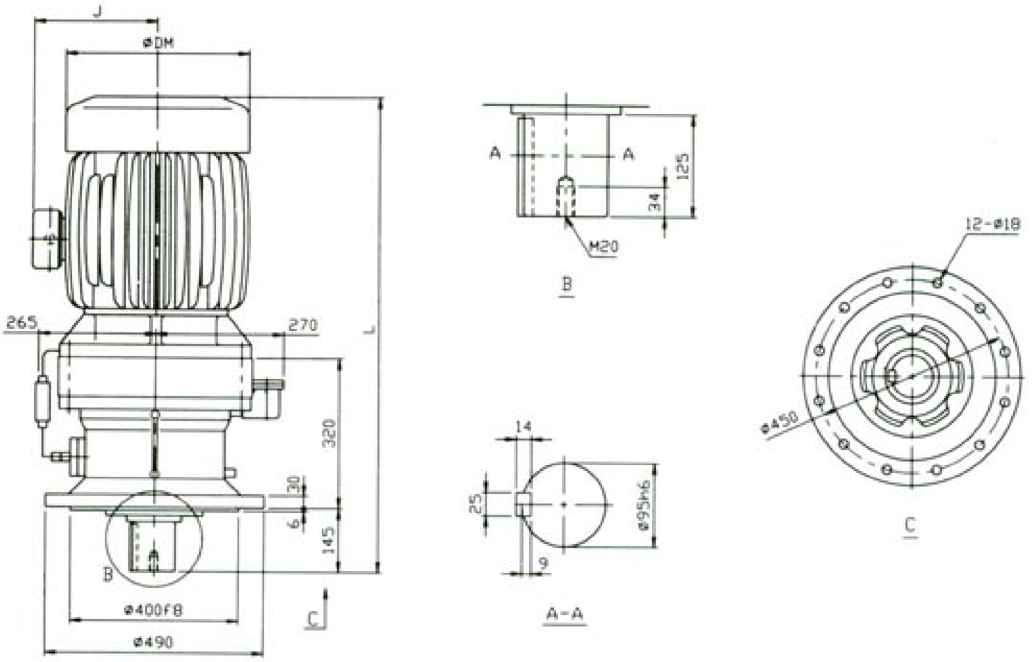
TDVM-618

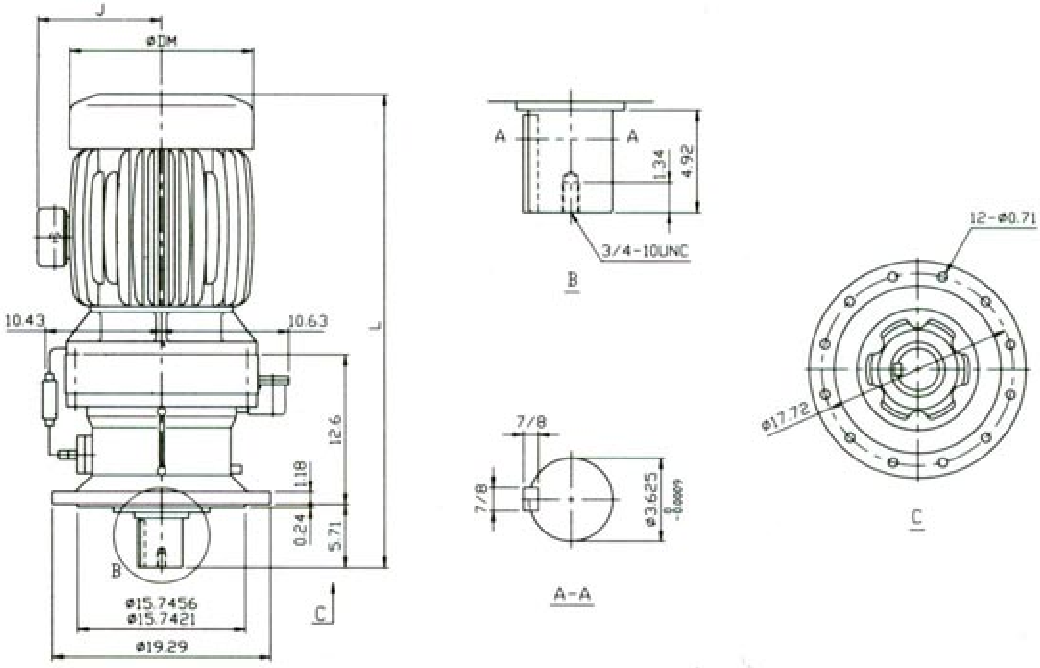




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	TDVM5-618	756	182	238		195	29.76	7.17	9.37		429.0
5.5	7.5	4	TDVM8-618	775	218	273		211	30.51	8.58	10.75		464.2
7.5	10	4	TDVM10-618	815	224	273		223	32.09	8.82	10.75		490.6
11	15	4	TDVM15-618	883	256	334		261	34.76	10.08	13.15		574.2
15	20	4	TDVM20-618	927	256	334		265	36.50	10.08	13.15		583.0
18.5	25	4	TDVM25-618	950	305	382		327	37.40	12.01	15.04		719.4
22	30	4	TDVM30-618	950	305	382		327	37.40	12.01	15.04		719.4
30	40	4	TDVM40-618	988	305	382		344	38.90	12.01	15.04		756.8

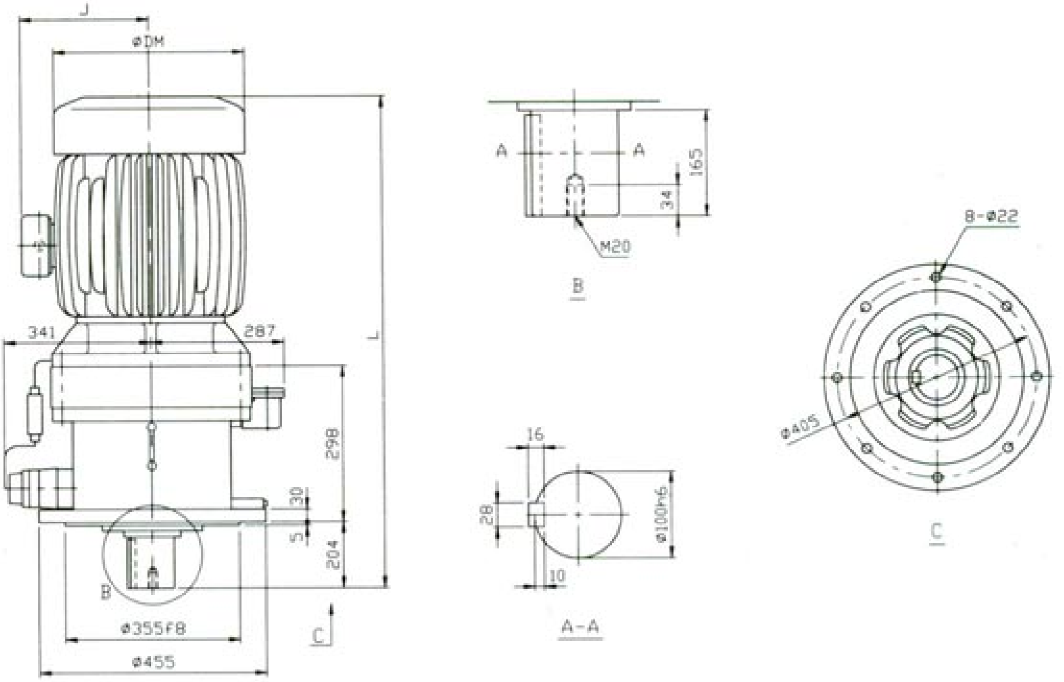
TDVM-619

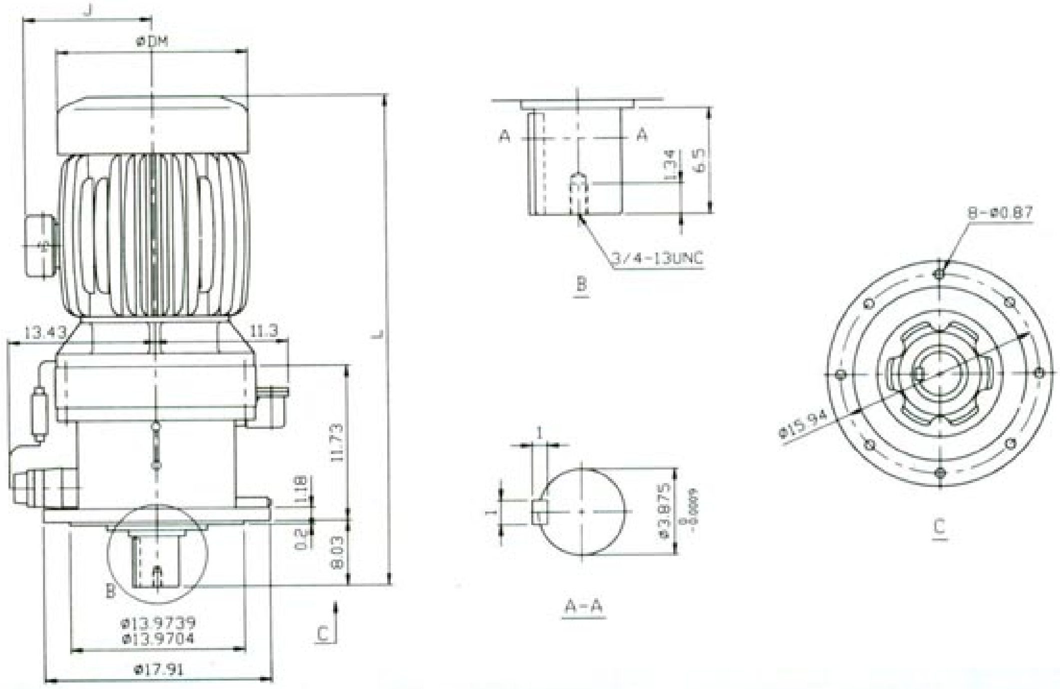




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
5.5	7.5	4	TDVM8-619	844	218	273		274	33.23	8.58	10.75		602.8
7.5	10	4	TDVM10-619	888	224	273		285	34.96	8.82	10.75		627.0
11	15	4	TDVM15-619	963	261	334		311	37.91	10.28	13.15		684.2
15	20	4	TDVM20-619	1007	261	334		330	39.65	10.28	13.15		726.0
18.5	25	4	TDVM25-619	1026	305	382		401	40.39	12.01	15.04		882.2
22	30	4	TDVM30-619	1026	305	382		401	40.39	12.01	15.04		882.2
30	40	4	TDVM40-619	1064	305	382		417	41.89	12.01	15.04		917.4
37	50	4	TDVM50-619	1127	339	420		452	44.37	13.35	16.54		994.4

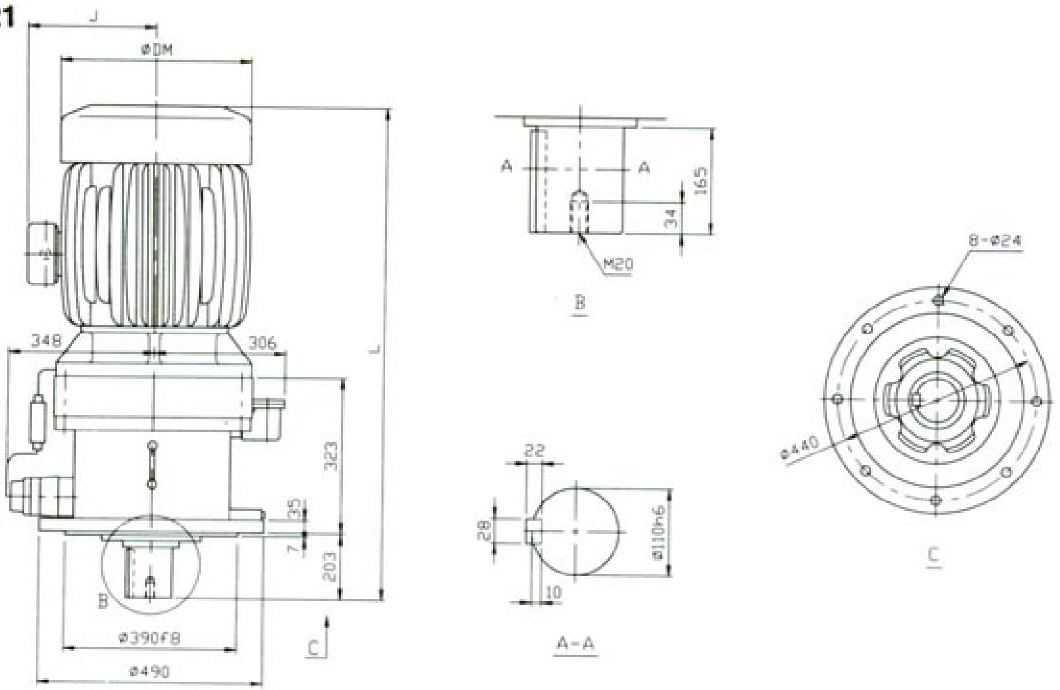
TDVM-620

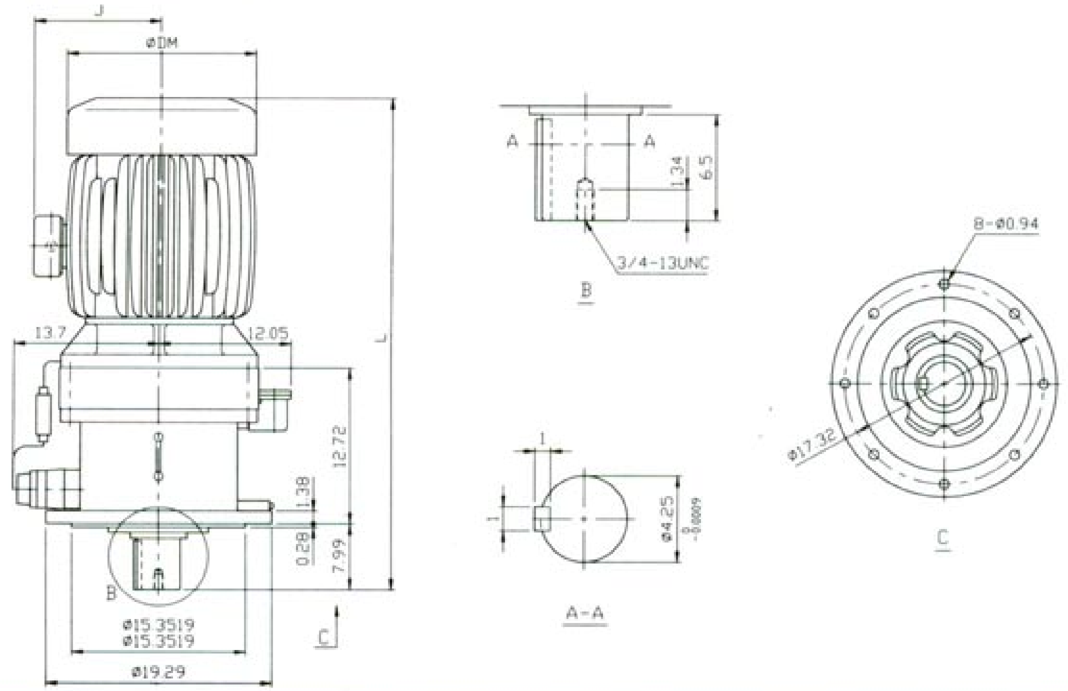




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
11	15	4	TDVM15-620	1001	261	334		334	39.41	10.28	13.15		734.8
15	20	4	TDVM20-620	1045	261	334		334	41.14	10.28	13.15		776.6
18.5	25	4	TDVM25-620	1064	305	382		382	41.89	12.01	15.04		928.4
22	30	4	TDVM30-620	1064	305	382		382	41.89	12.01	15.04		928.4
30	40	4	TDVM40-620	1102	305	382		382	43.39	12.01	15.04		957.0
37	50	4	TDVM50-620	1165	339	420		420	45.87	13.35	16.54		1085
45	60	4	TDVM60-620	1165	339	420		420	45.87	13.35	16.54		1085

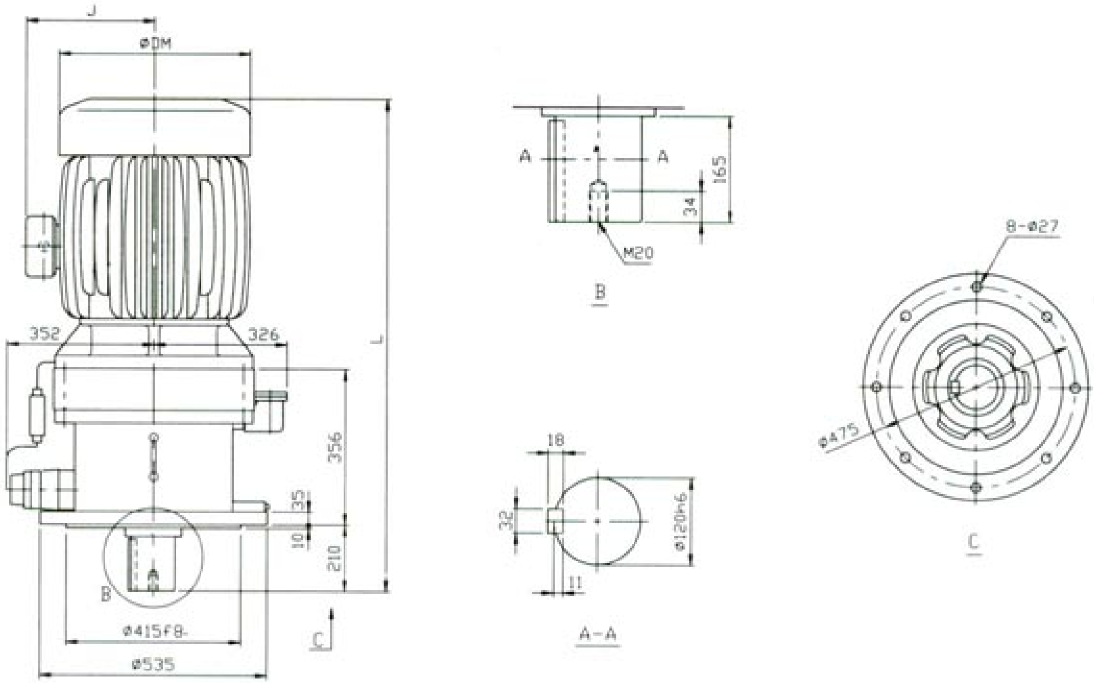
TDVM-621

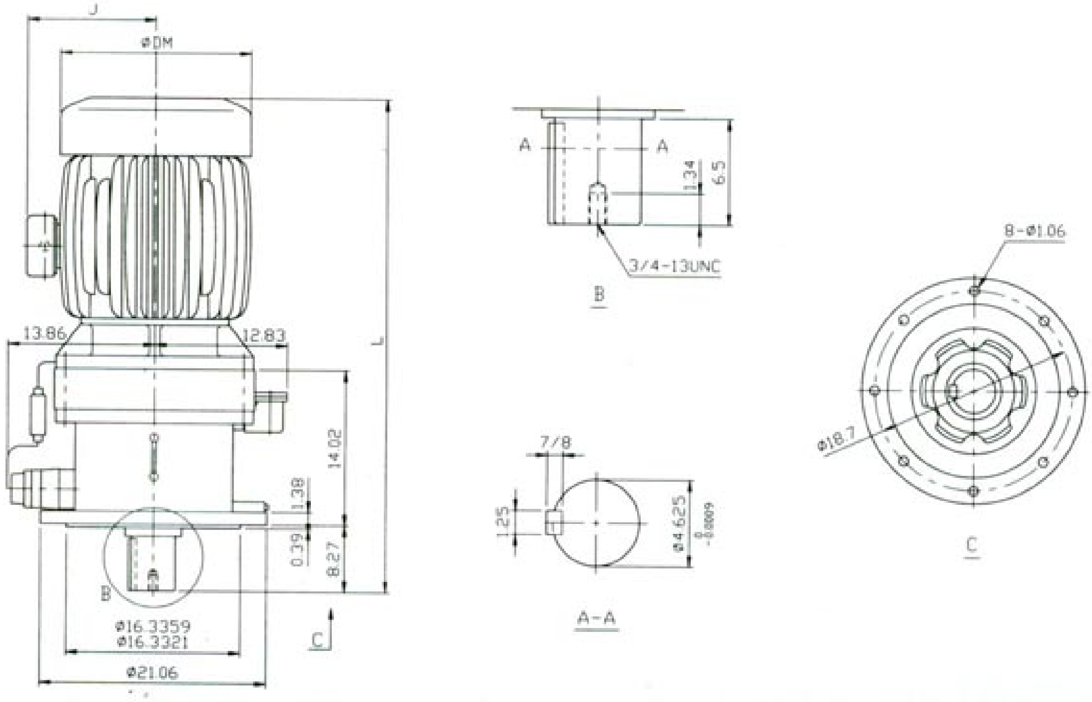




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
11	15	4	TDVM15-621	1025	261	334		413	40.35	10.28	13.15		908.6
15	20	4	TDVM20-621	1069	261	334		432	42.09	10.28	13.15		950.4
18.5	25	4	TDVM25-621	1088	305	382		495	42.83	12.01	15.04		1089
22	30	4	TDVM30-621	1088	305	382		495	42.83	12.01	15.04		1089
30	40	4	TDVM40-621	1126	305	382		508	44.33	12.01	15.04		1118
37	50	4	TDVM50-621	1189	339	420		562	46.81	13.35	16.54		1236
45	60	4	TDVM60-621	1189	339	420		562	46.81	13.35	16.54		1236
55	75	4	TDVM75-621	1227	387	458		655	48.31	15.24	18.03		1441

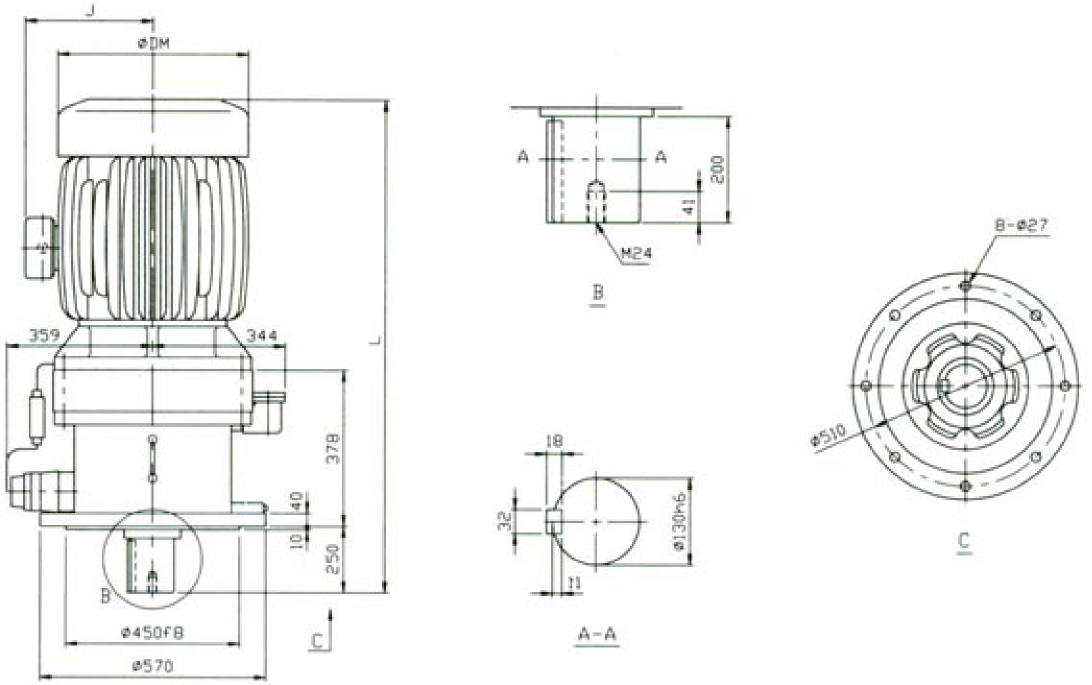
TDVM-622

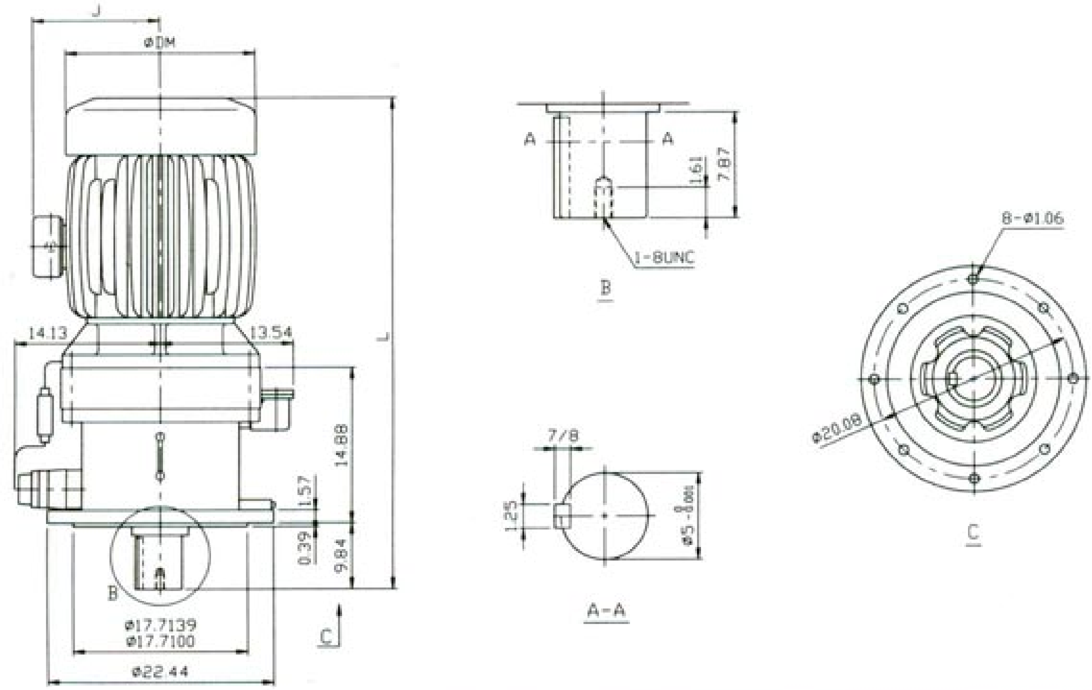




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
18.5	25	4	TDVM25-622	1128	305	382		587	44.41	12.01	15.04		1291
22	30	4	TDVM30-622	1128	305	382		587	44.41	12.01	15.04		1291
30	40	4	TDVM40-622	1166	305	382		600	45.91	12.01	15.04		1320
37	50	4	TDVM50-622	1229	339	420		653	48.39	13.35	16.50		1437
45	60	4	TDVM60-622	1229	339	420		653	48.39	13.35	16.54		1437
55	75	4	TDVM75-622	1289	387	458		736	50.75	13.24	18.03		1619

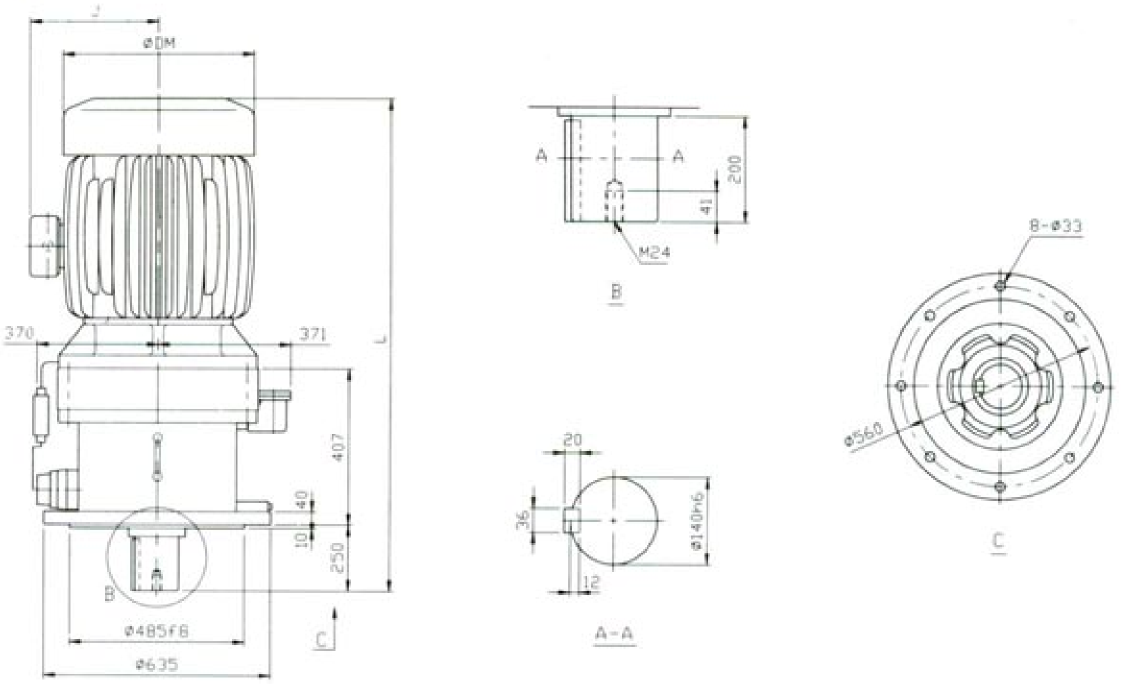
TDVM-623

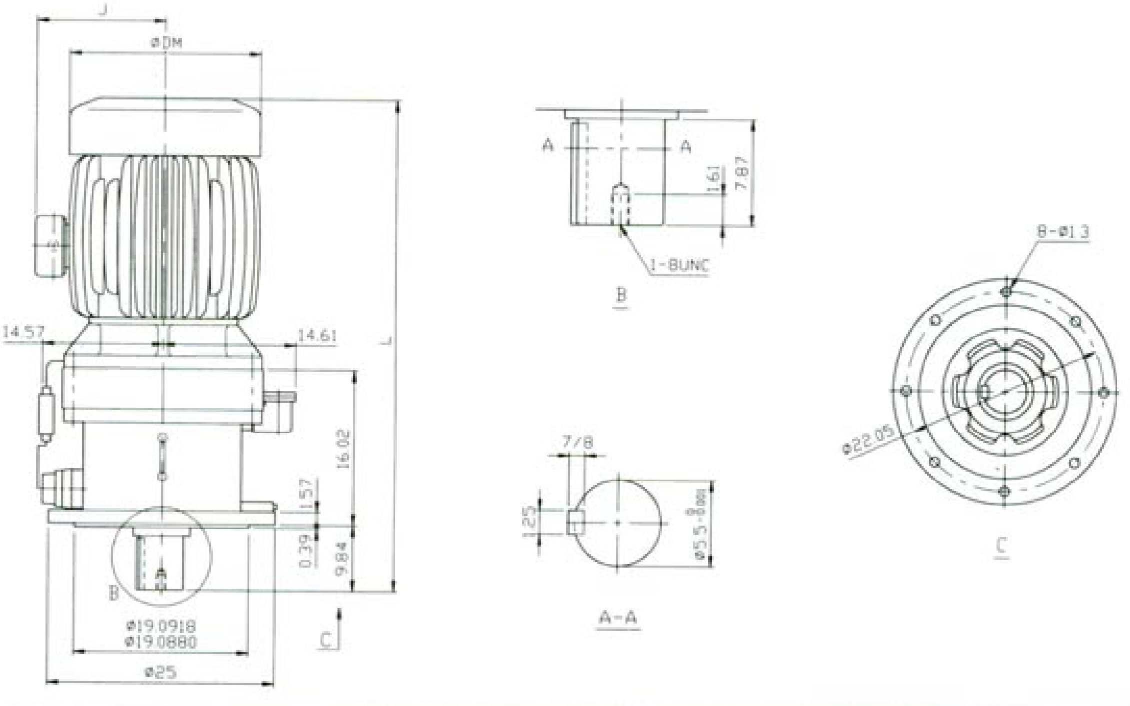




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
15	20	6	TDVM20/6-623	1200	305	382		647	47.24	12.01	15.04		1423
18.5	25	6	TDVM25/6-623	1238	305	382		665	48.74	12.01	15.04		1423
22	30	6	TDVM30/6-623	1238	305	382		665	48.74	12.01	15.04		1463
30	40	6	TDVM40/6-623	1400	339	420		739	55.12	13.35	16.54		1626
37	50	6	TDVM50/6-623	1400	339	420		739	55.12	13.35	16.54		1626
45	60	6	TDVM60/6-623	1430	387	458		799	56.30	15.24	18.03		1758
55	75	6	TDVM70/6-623	1492	515	542		854	58.74	20.28	21.34		1879

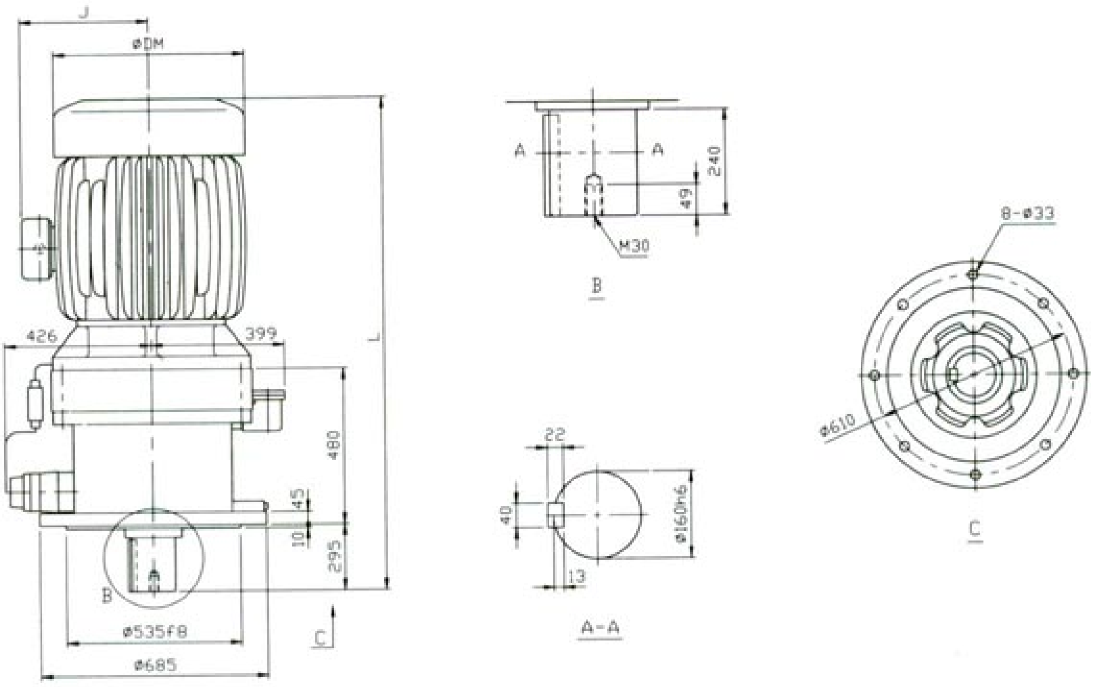
TDVM-624

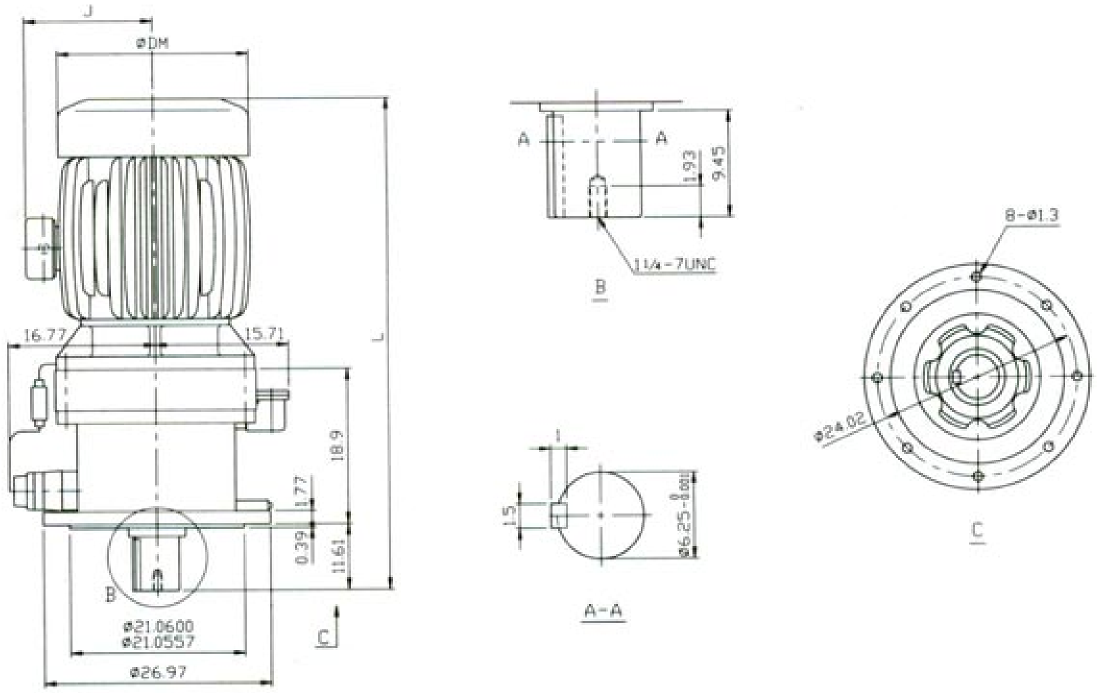




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
15	20	6	TDVM20/6-624	1225	305	382		753	48.23	12.01	15.04		1657
18.5	25	6	TDVM25/6-624	1263	305	382		711	49.72	12.01	15.04		1696
22	30	6	TDVM30/6-624	1263	305	382		711	49.72	12.01	15.04		1696
30	40	6	TDVM40/6-624	1345	339	420		845	52.95	13.35	16.54		1859
37	50	6	TDVM50/6-624	1345	339	420		845	52.95	13.35	16.54		1859
45	60	6	TDVM60/6-624	1383	387	458		907	54.45	15.24	18.03		1995
55	75	6	TDVM75/6-624	1572	515	542		956	61.89	20.28	21.34		2103

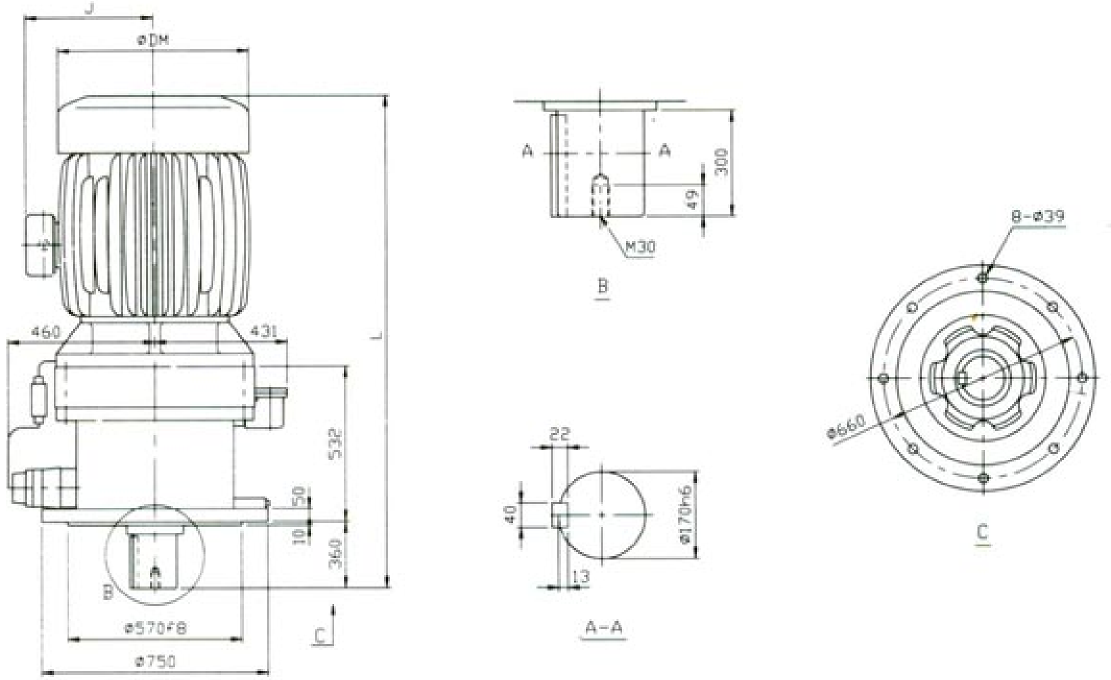
TDVM-625

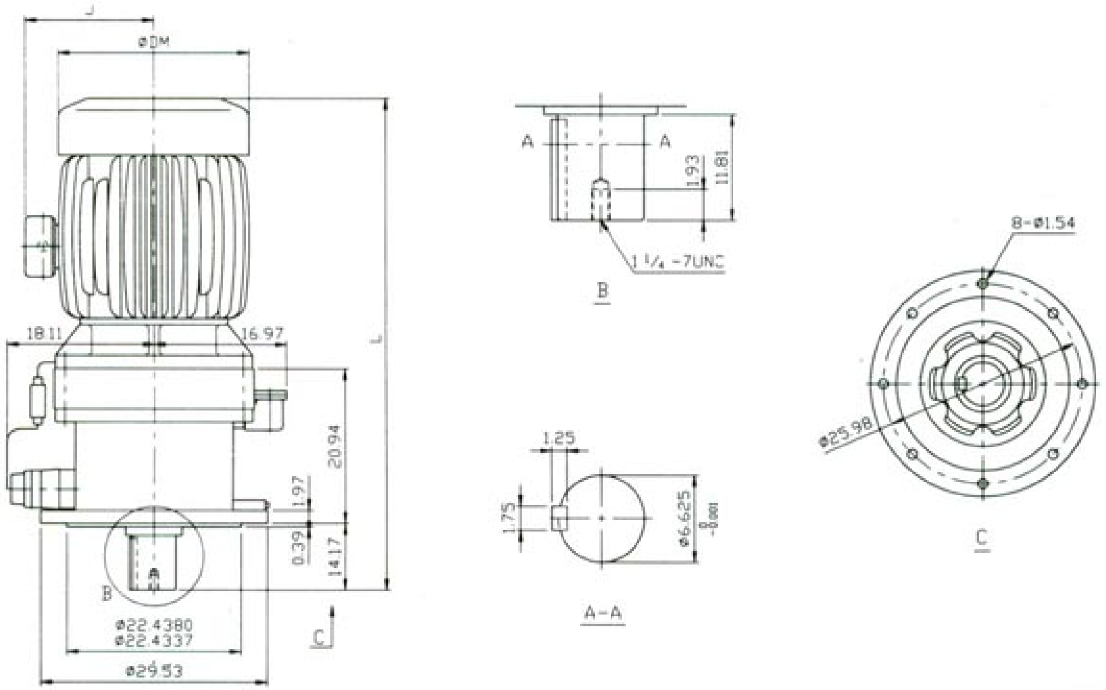




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
18.5	25	6	TDVM25/6-625	1390	305	382		1059	54.72	12.01	15.04		2330
22	30	6	TDVM30/6-625	1390	305	382		1059	54.72	12.01	15.04		2330
30	40	6	TDVM40/6-625	1453	339	420		1138	57.20	13.35	16.54		2504
37	50	6	TDVM50/6-625	1453	339	420		1138	57.20	13.35	16.54		2504
45	60	6	TDVM60/6-625	1491	387	458		1188	58.70	15.24	18.03		2614
55	75	6	TDVM75/6-625	1540	515	542		1239	60.63	20.28	21.34		2726

TDVM-626

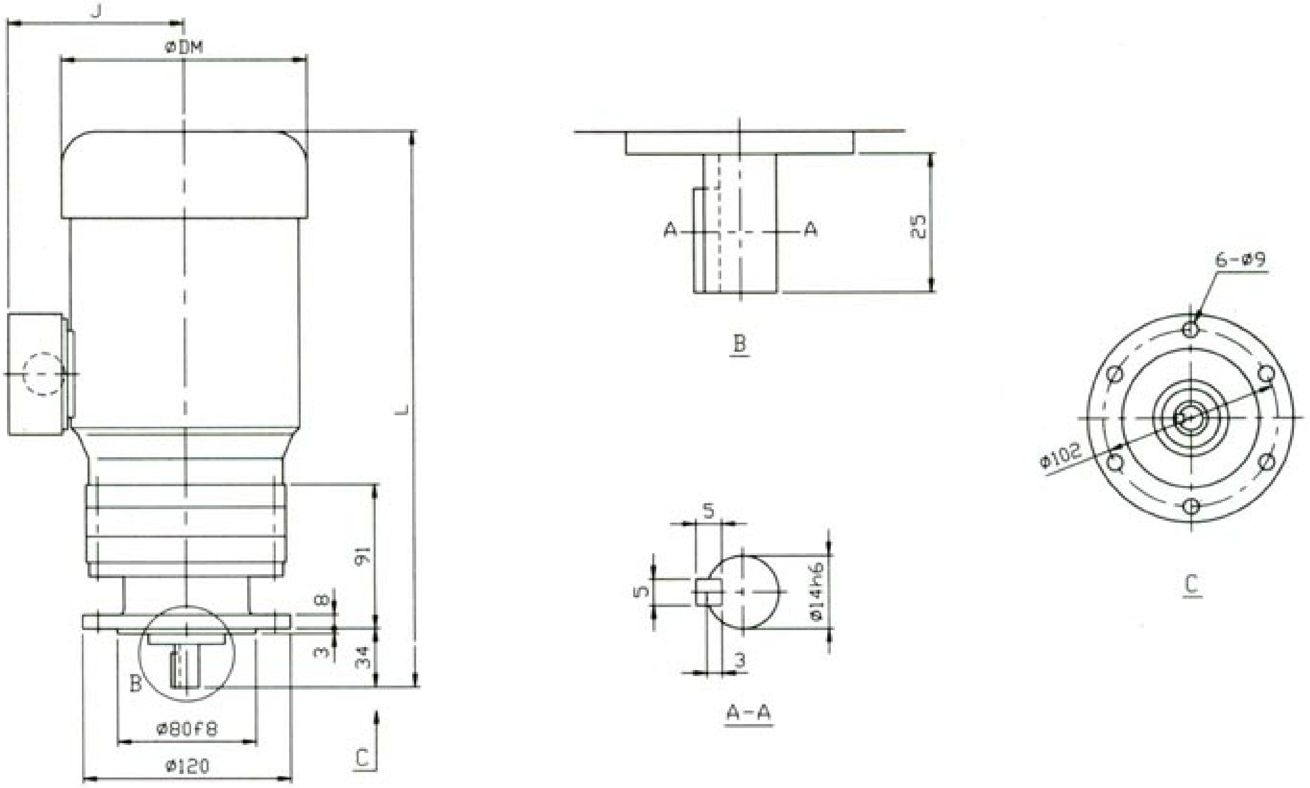


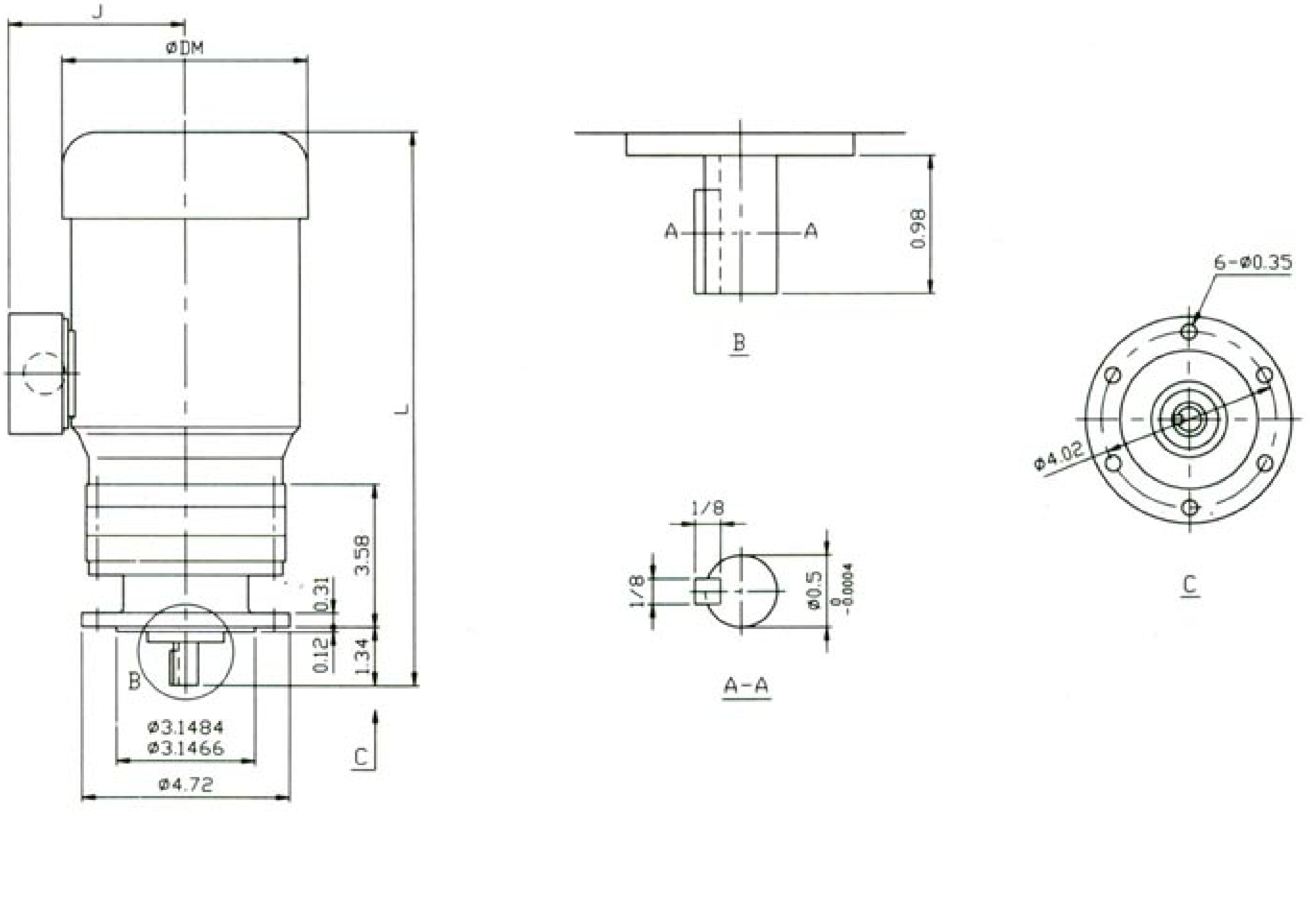


Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
30	40	6	TDVM40/6-626	1570	339	420		1388	61.81	13.35	16.54		3054
37	50	6	TDVM50/6-626	1570	339	420		1388	61.81	13.35	16.54		3054
45	60	6	TDVM60/6-626	1608	387	458		1464	63.31	15.24	18.03		3221

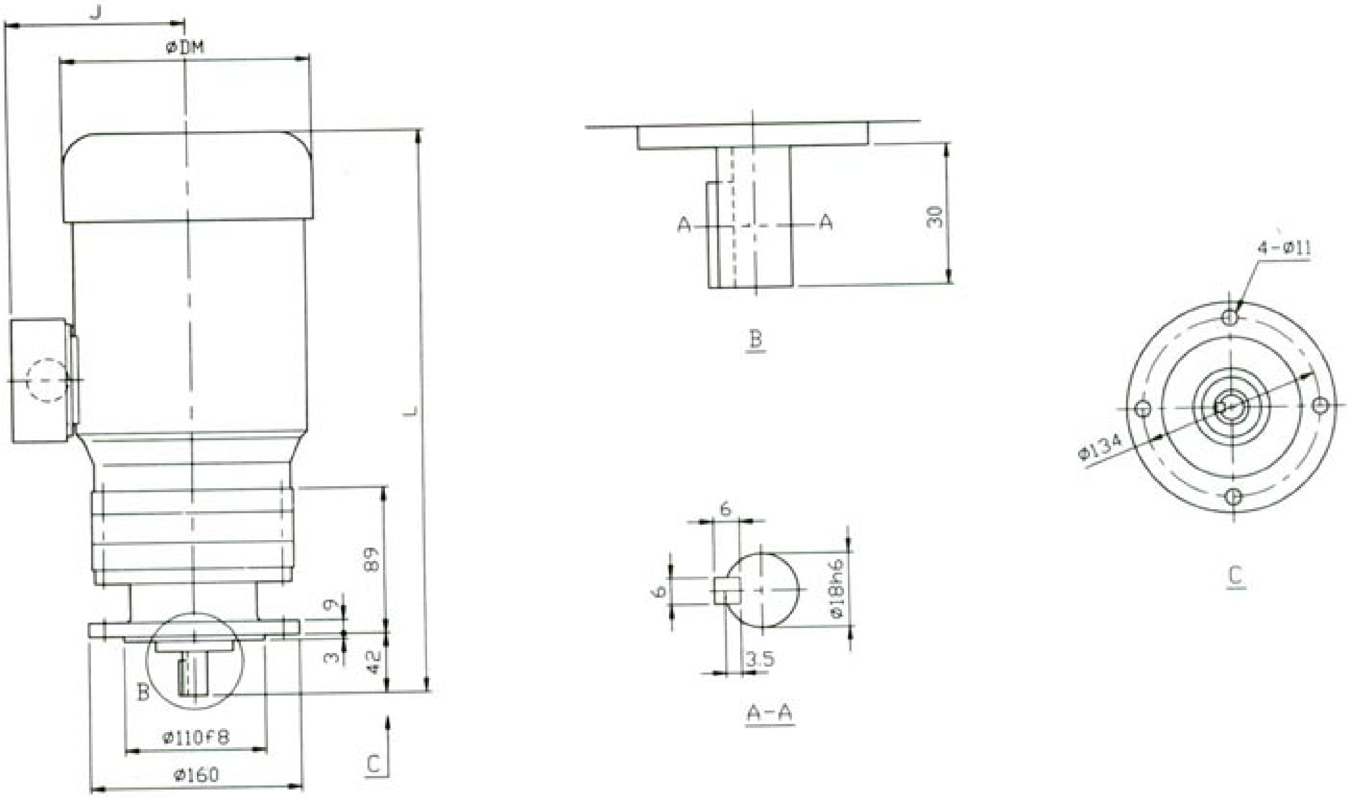
DIMENSION DRAWINGS For Double Stage Reduction, Vertical TRANSCYKO Gearmotor

TVM-607/07

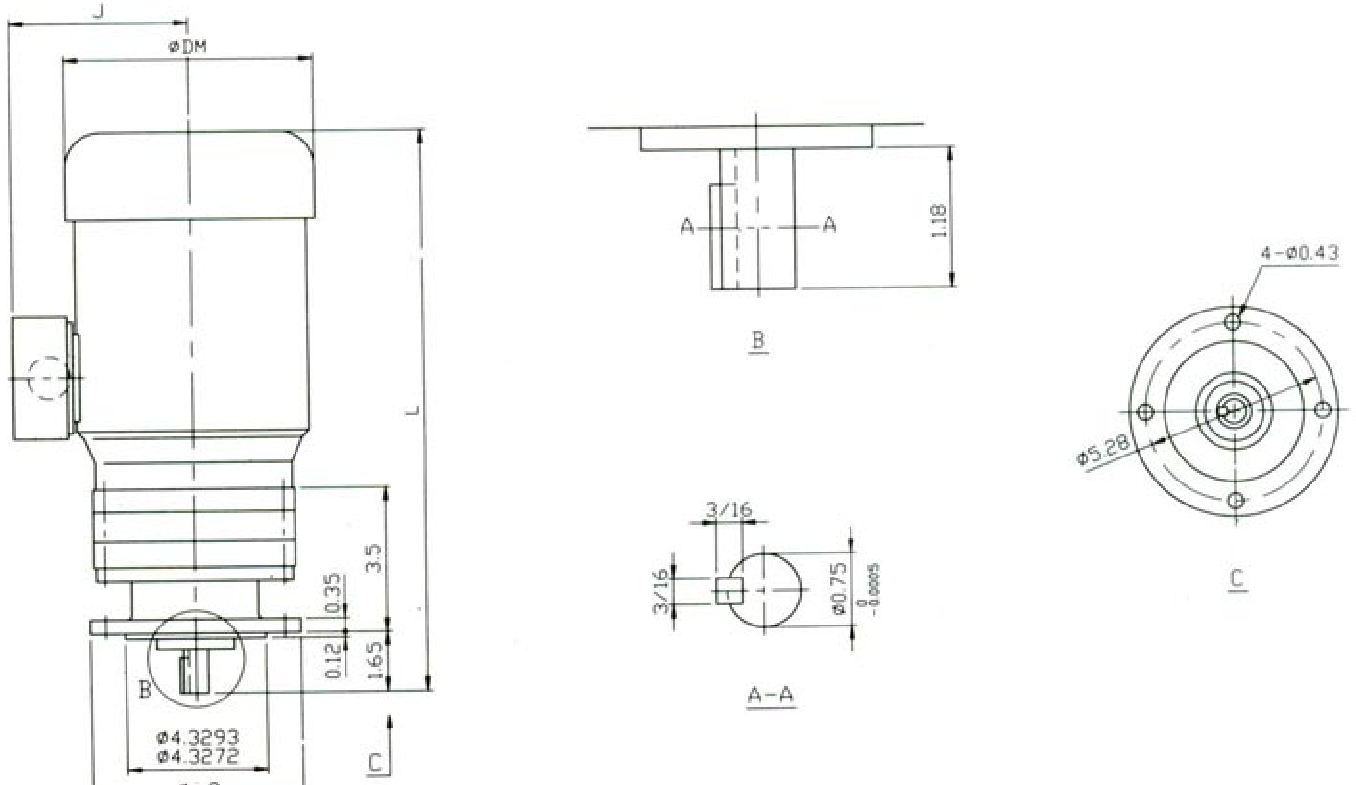




TVM-608/07

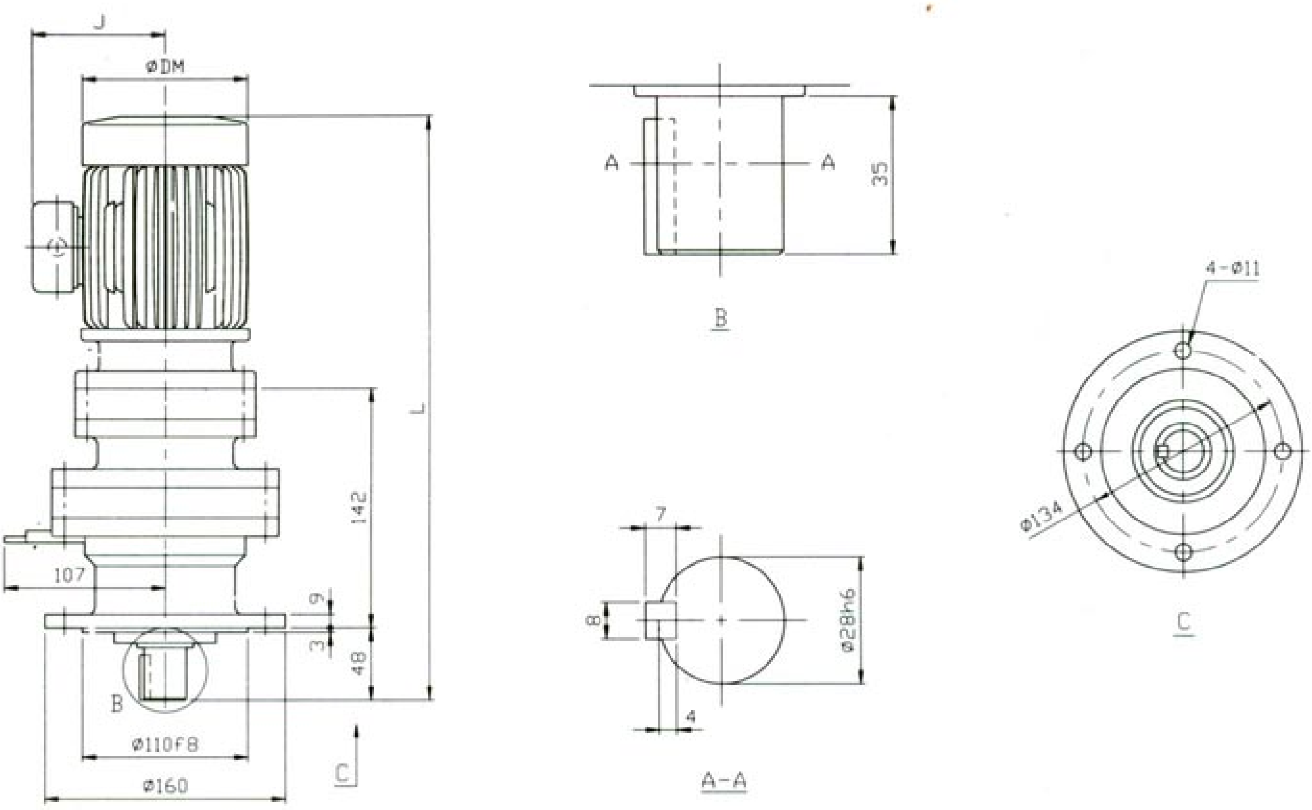


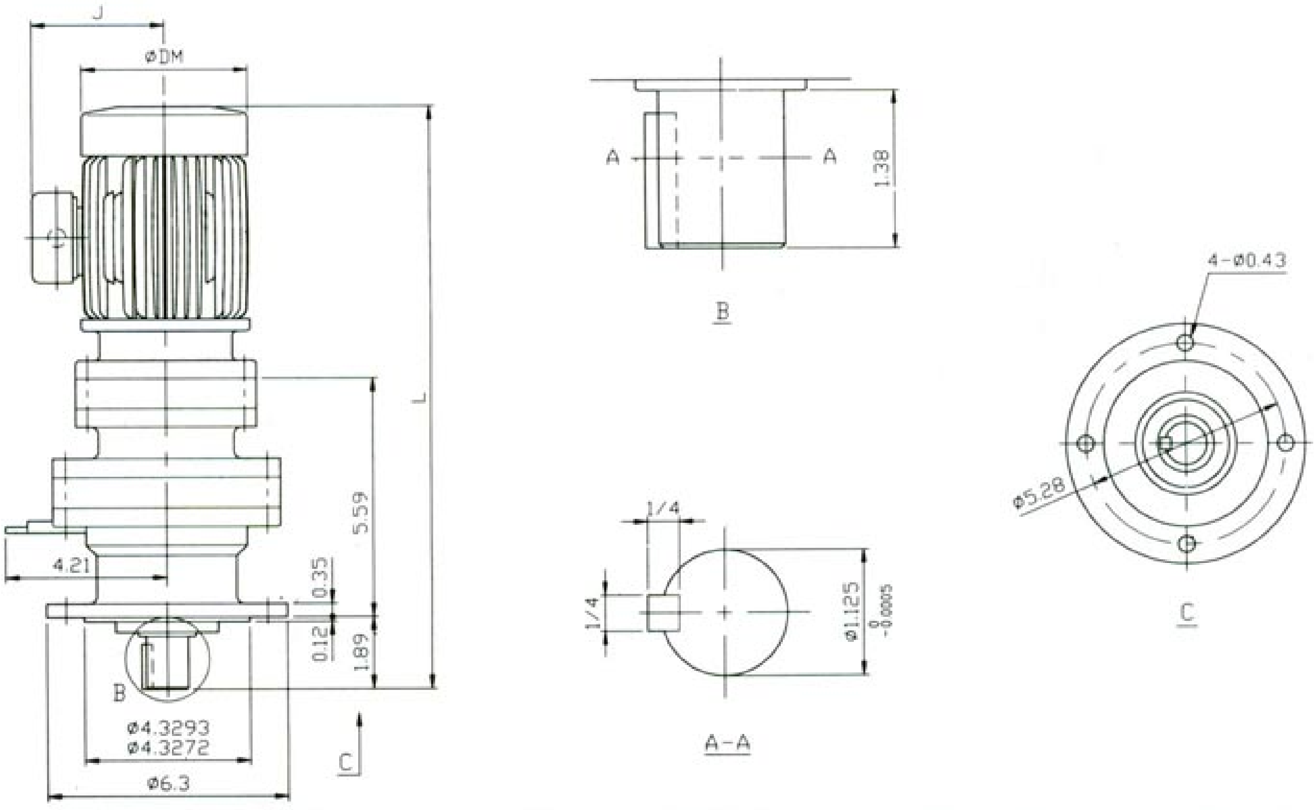
J
øDM
L
89
9
3
42
B
ø110f8
ø160
C
A
A
30
B
6
6
ø18h6
3.5
A-A
4-ø11
ø134
C



J
øDM
L
3.5
0.35
0.12
1.65
B
ø4.3293
ø4.3272
ø6.3
C
A
A
1.18
B
3/16
3/16
ø0.75
0
-0.0005
A-A
4-ø0.43
ø5.28
C

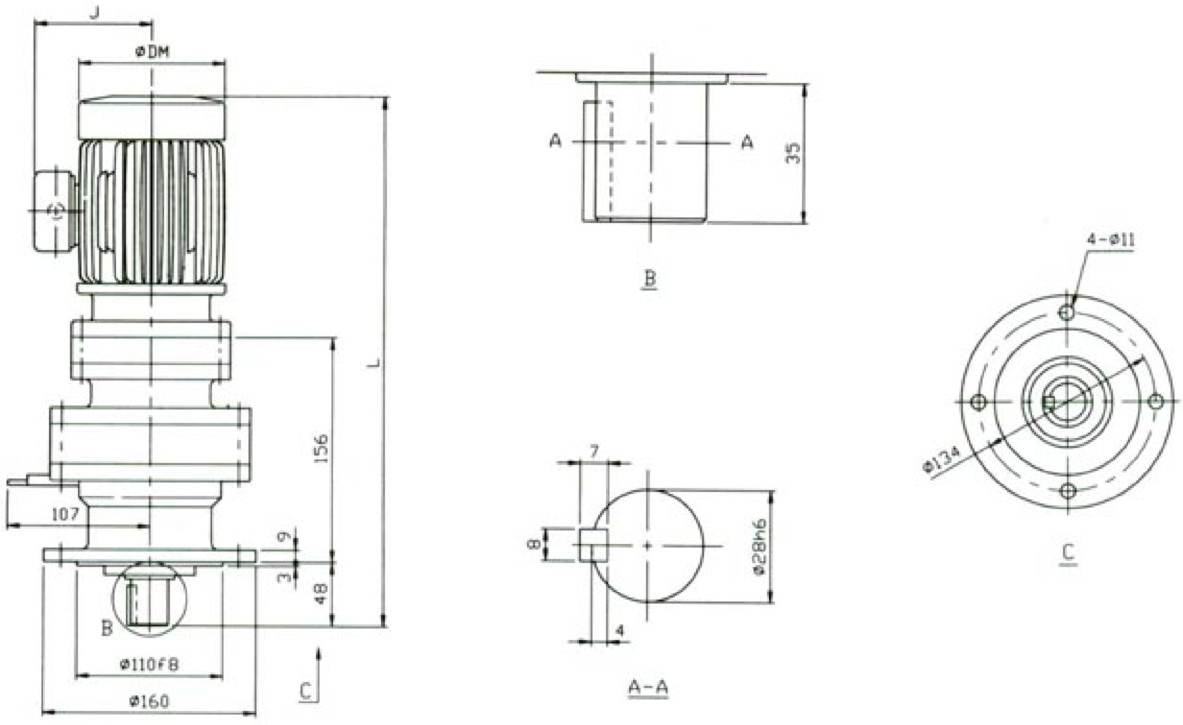
TVM-609/08

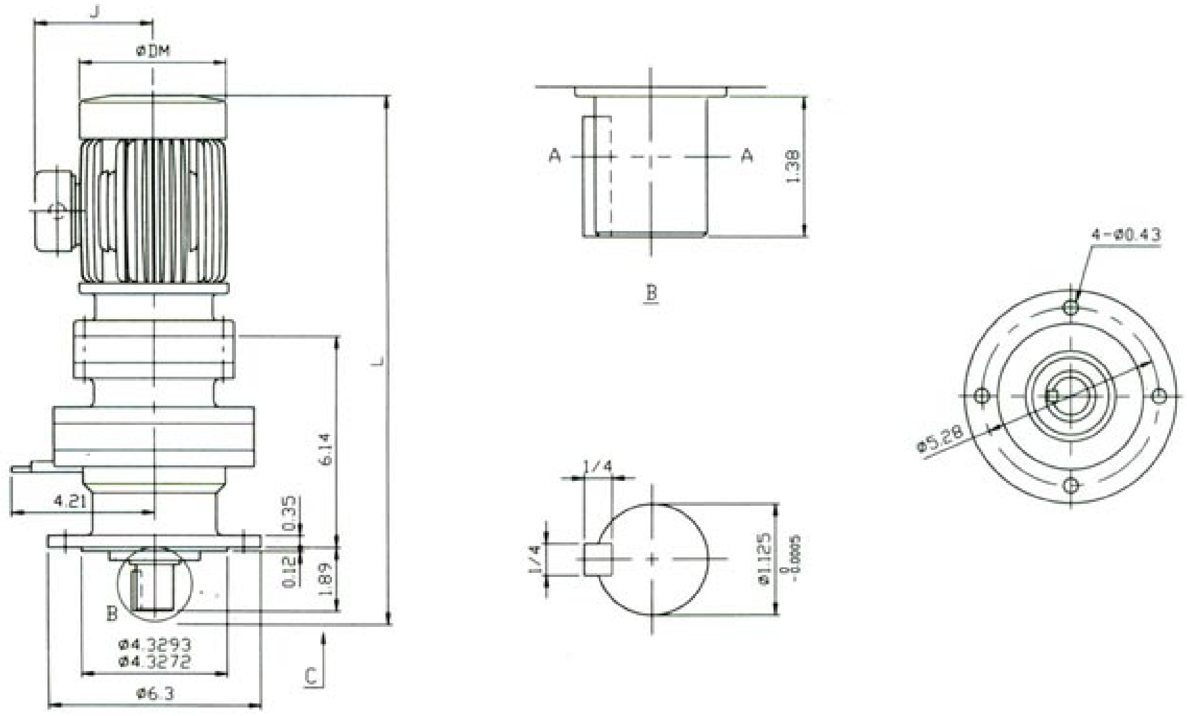




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	TVM02-609/08	409	121	144		21	16.10	4.76	5.67		46.2

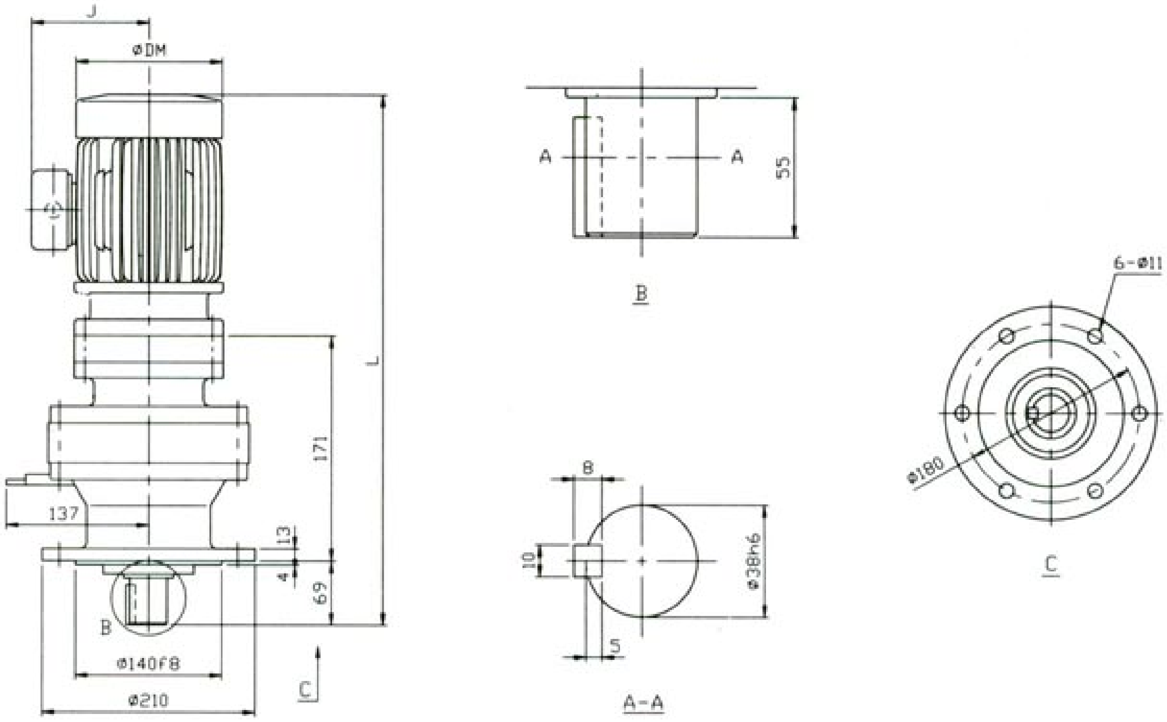
TVM-610/08

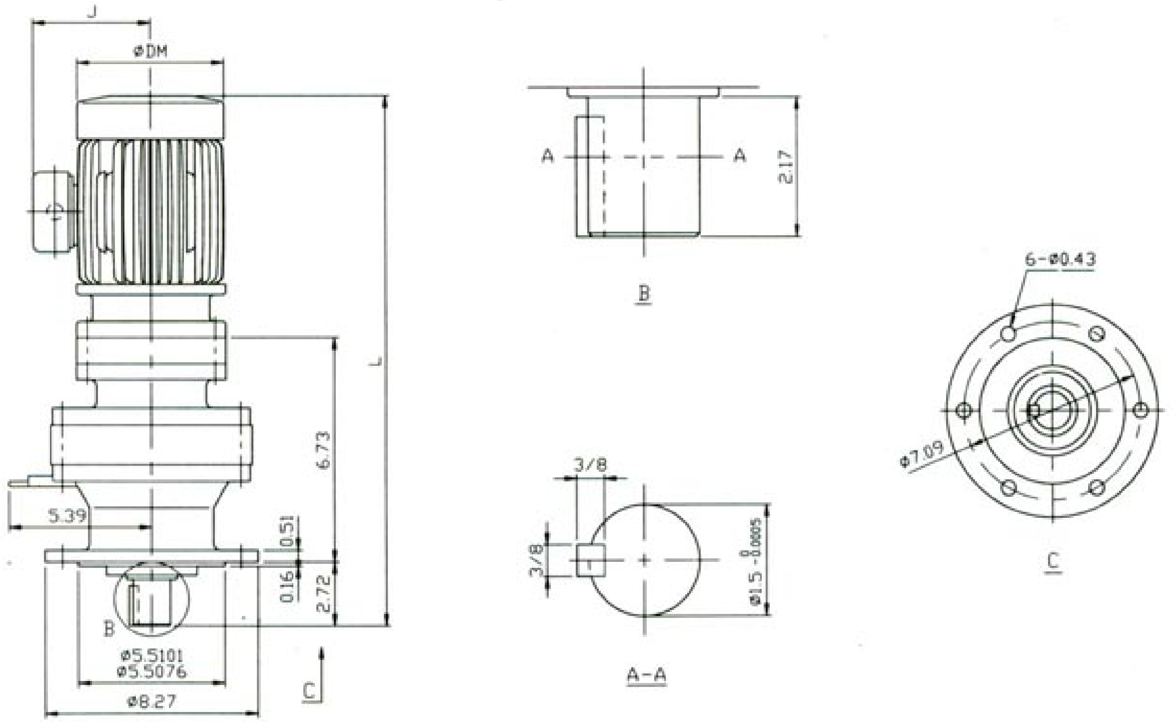




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	TVM02-610/08	433	121	144		22	16.65	4.76	5.67		48.4
0.4	1/2	4	TVM05-610/08	444	132	162		25	17.48	5.20	6.38		55.0

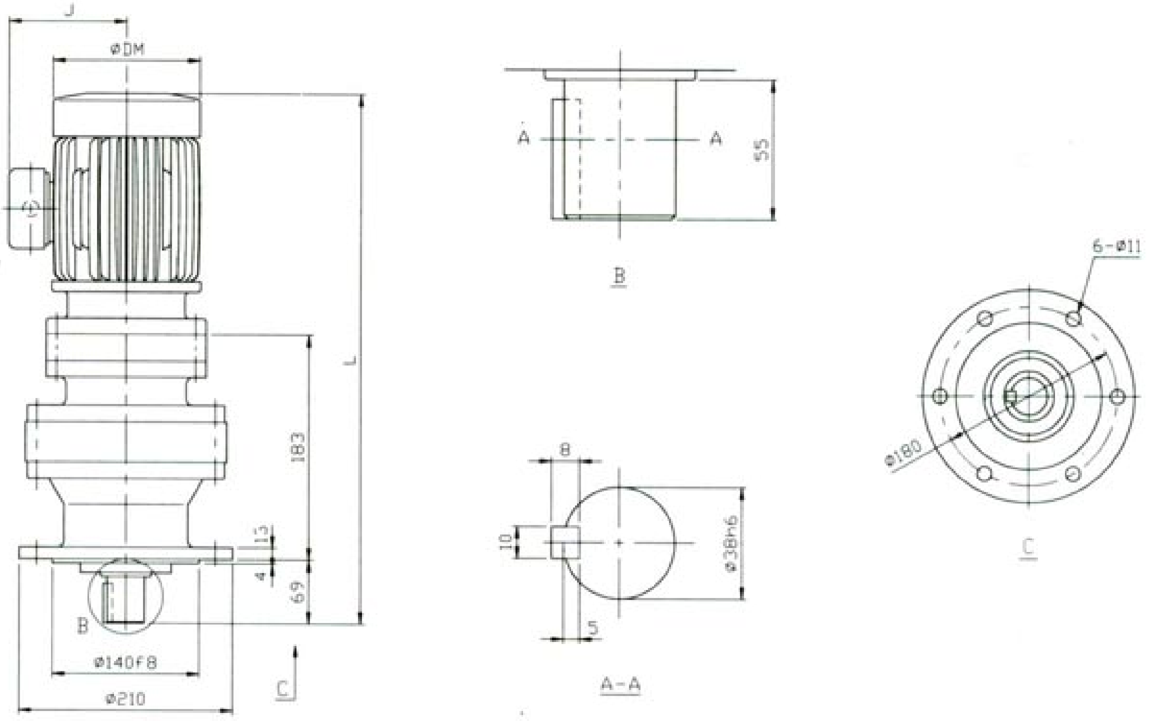
TVM-611/08

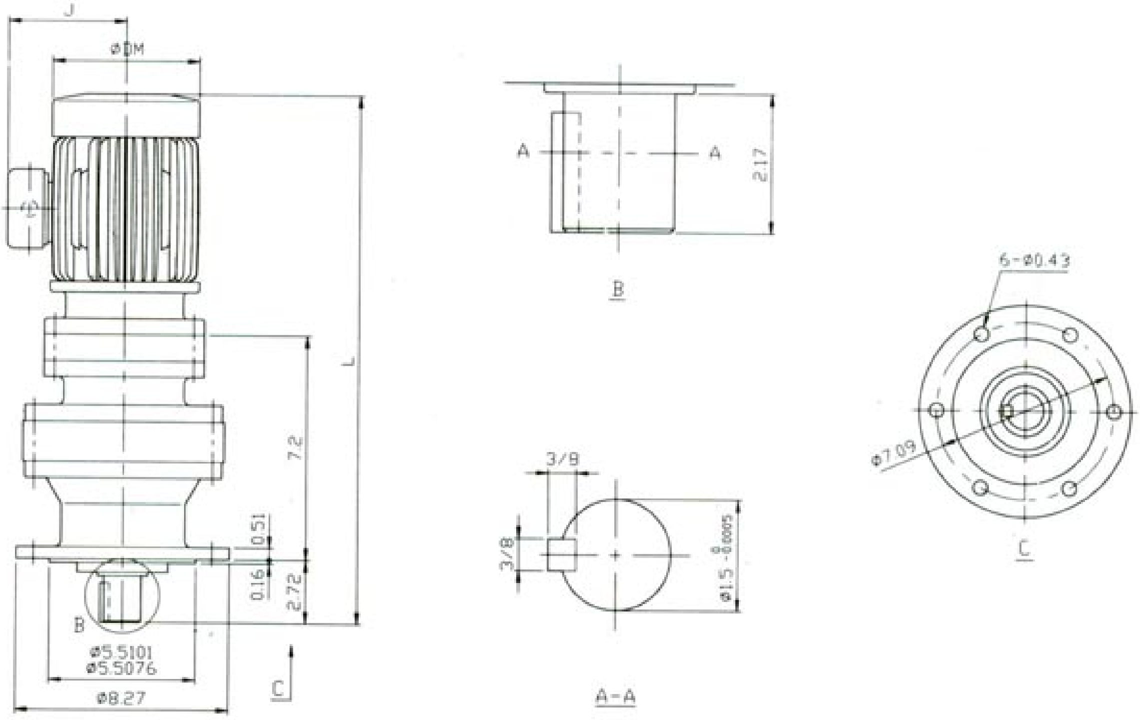




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	TVM02-611/08	459	121	144		33	17.13	4.76	5.67		72.6
0.4	1/2	4	TVM05-611/08	480	132	167		37	17.99	5.20	6.38		81.4

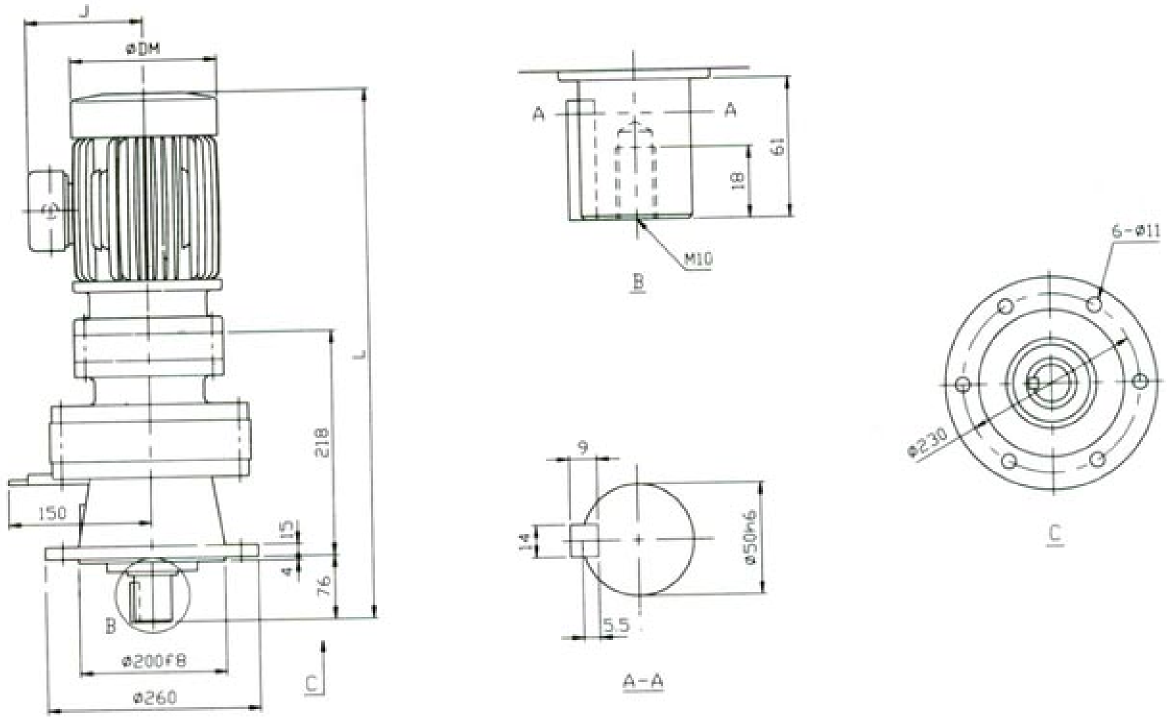
TVM-611/09

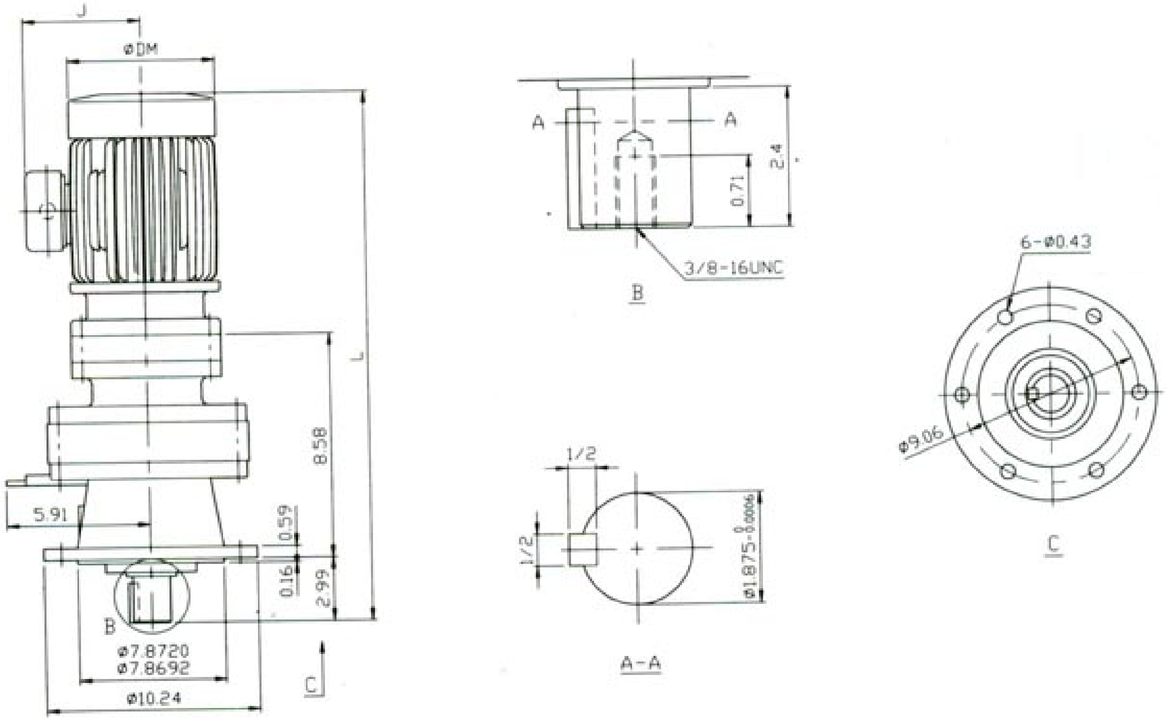




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	TVM02-611/09	471	121	144		39	18.54	4.76	5.67		85.8
0.4	1/2	4	TVM05-611/09	497	132	162		42	19.37	5.20	6.38		92.4
0.75	1	4	TVM1-611/09	491	137	177		44	19.33	5.39	6.97		96.8

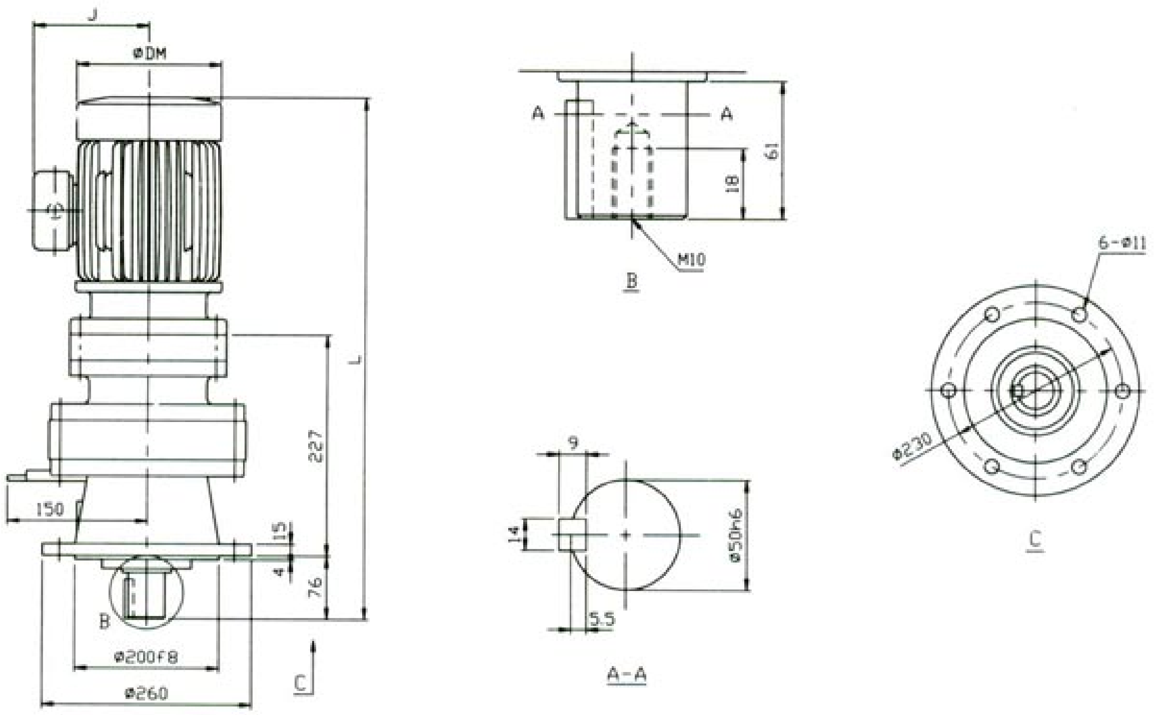
TDVM-613/08

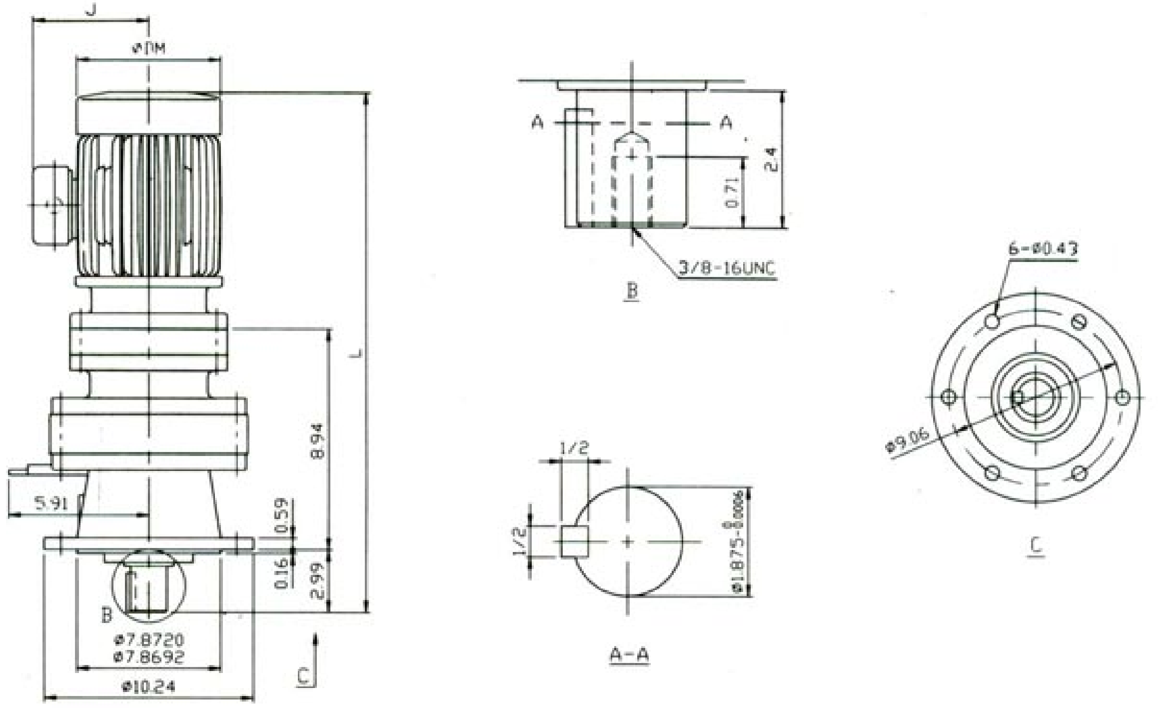




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	TDVM02-613/08	513	121	144		47	20.20	4.76	5.67		103.4
0.4	1/2	4	TDVM05-613/08	557	132	162		52	21.02	5.20	6.38		114.4

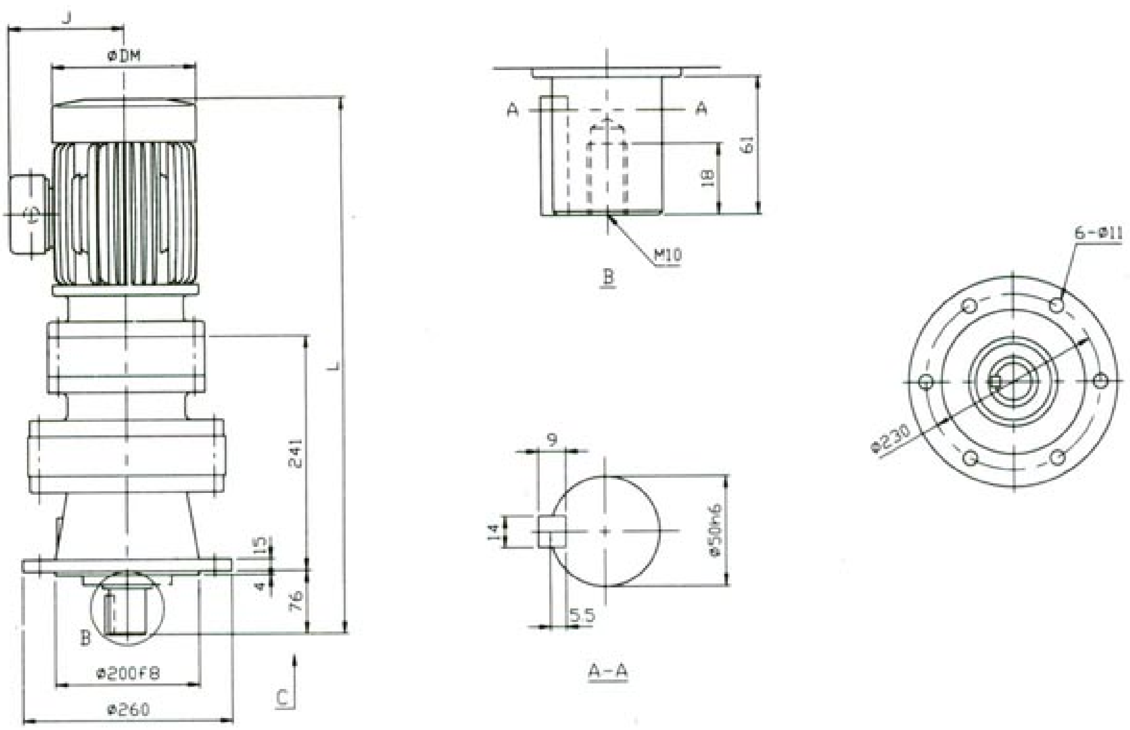
TDVM-613/09

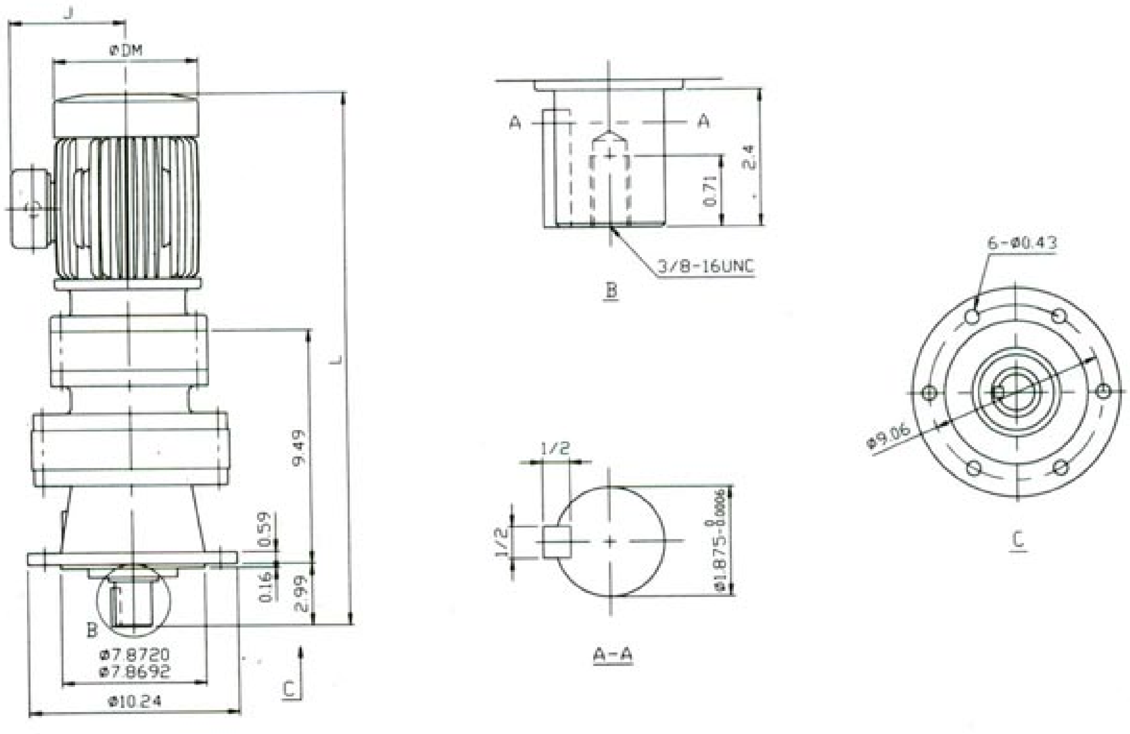




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	TDVM02-613/09	522	121	144		52	20.55	4.76	5.67		114.4
0.4	1/2	4	TDVM05-613/09	543	132	162		56	21.38	5.20	6.38		123.2
0.75	1	4	TDVM1-613/09	542	137	177		59	21.34	5.39	6.97		129.8

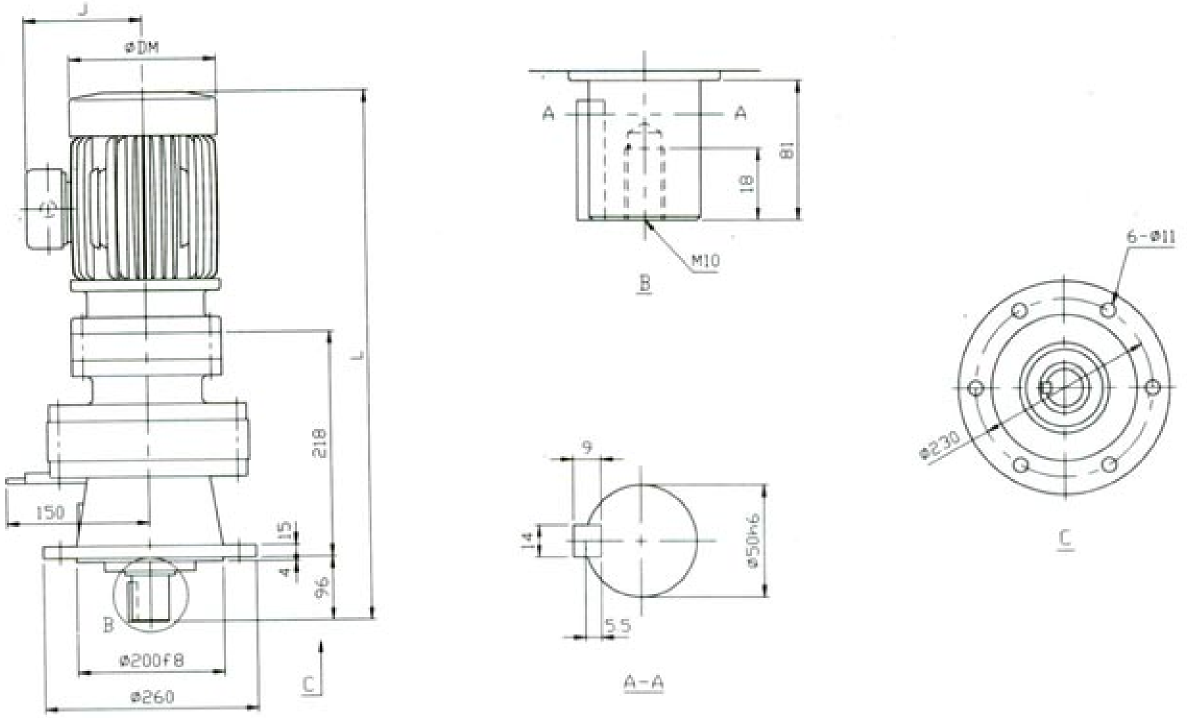
TDVM-613/10

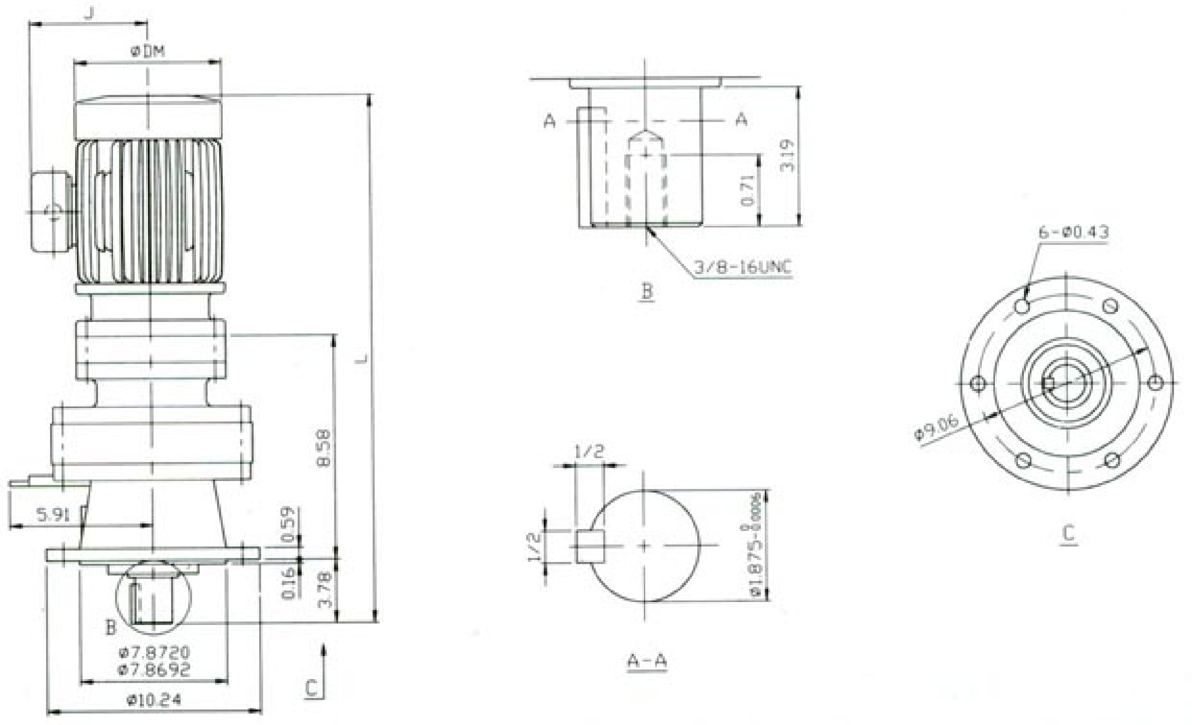




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	TDVM05-613/10	557	132	162		57	21.93	5.20	6.38		125.4
0.75	1	4	TDVM1-613/10	556	137	177		59	21.89	5.39	6.37		129.8
1.5	2	4	TDVM2-613/10	593	150	200		68	23.35	5.91	7.87		149.6
2.2	3	4	TDVM3-613/10	619	173	219		80	24.37	6.81	8.62		176.0

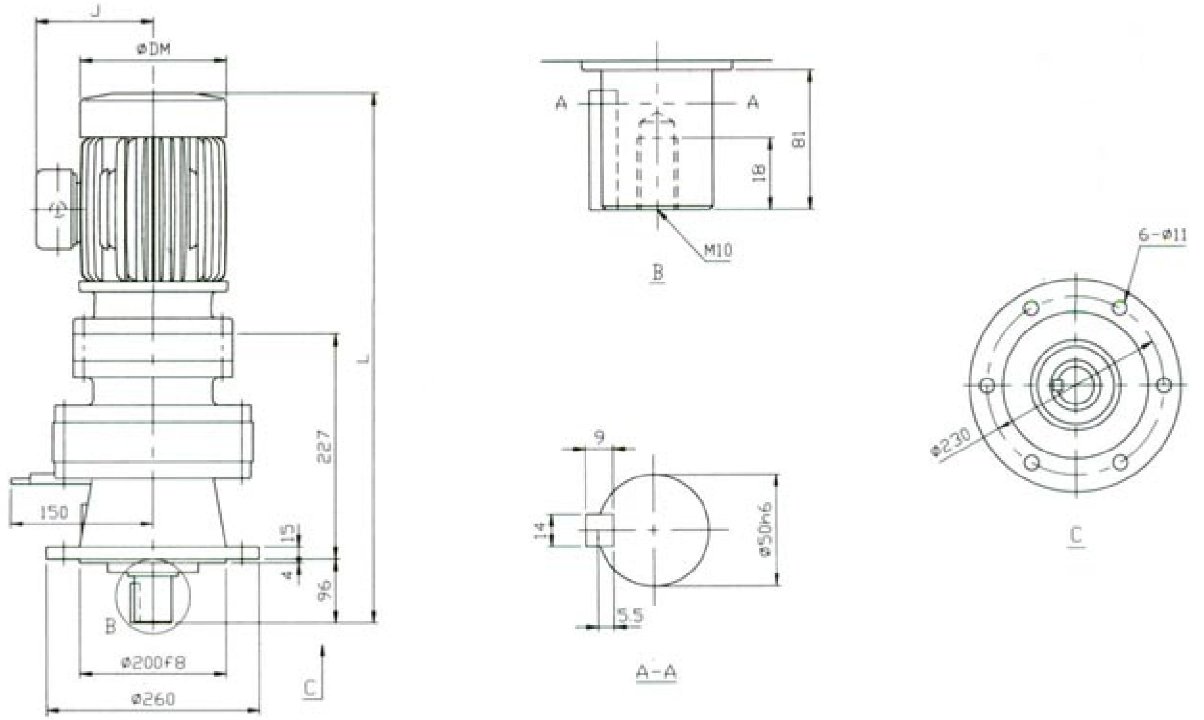
TDVM-614/08

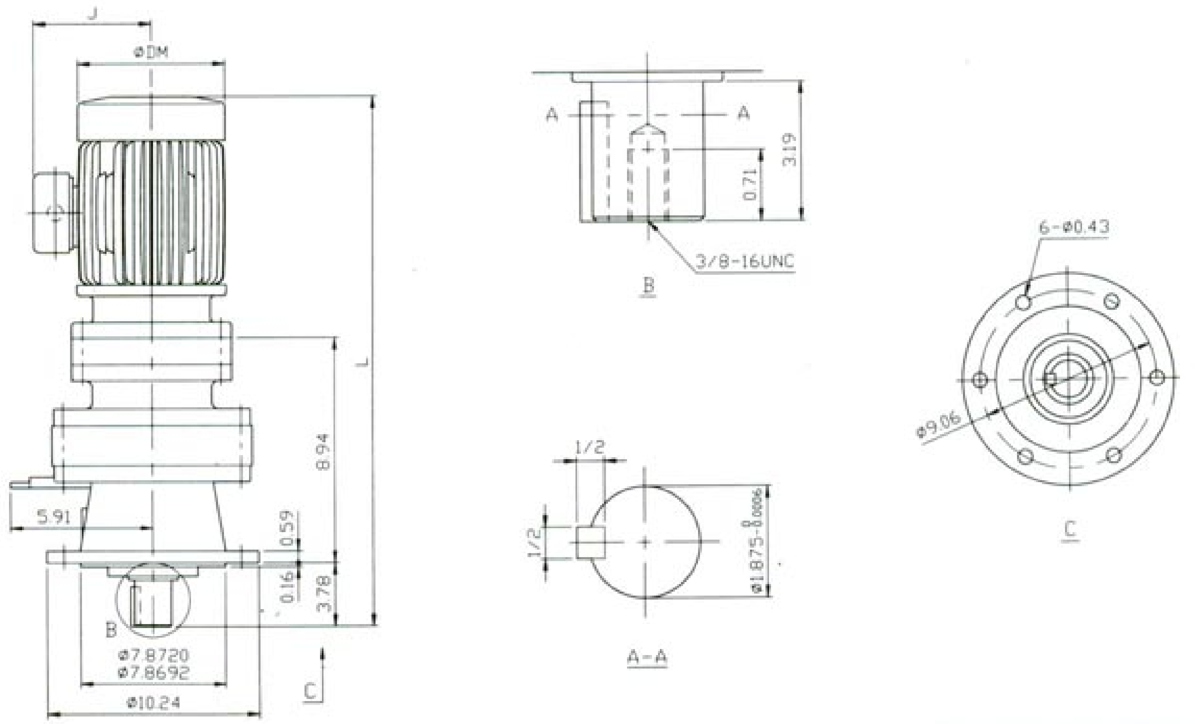




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	TDVM02-614/08	533	121	144		48	20.98	4.76	5.67		105.6
0.4	1/2	4	TDVM05-614/08	554	132	162		52	21.81	5.20	6.38		114.4

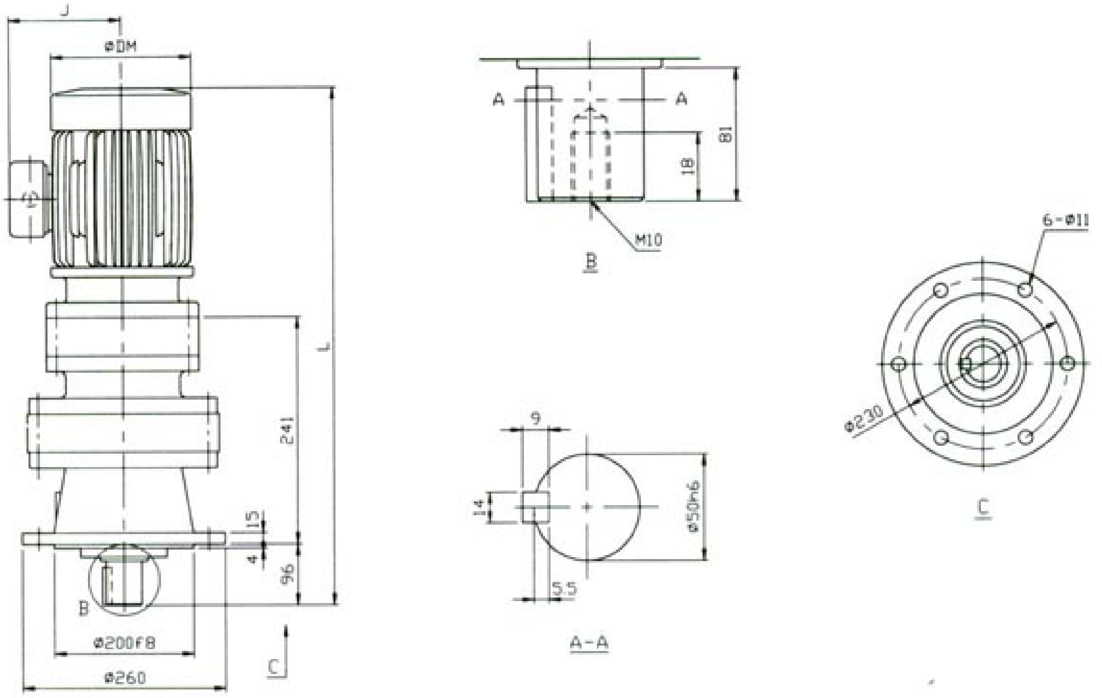
TDVM-614/09

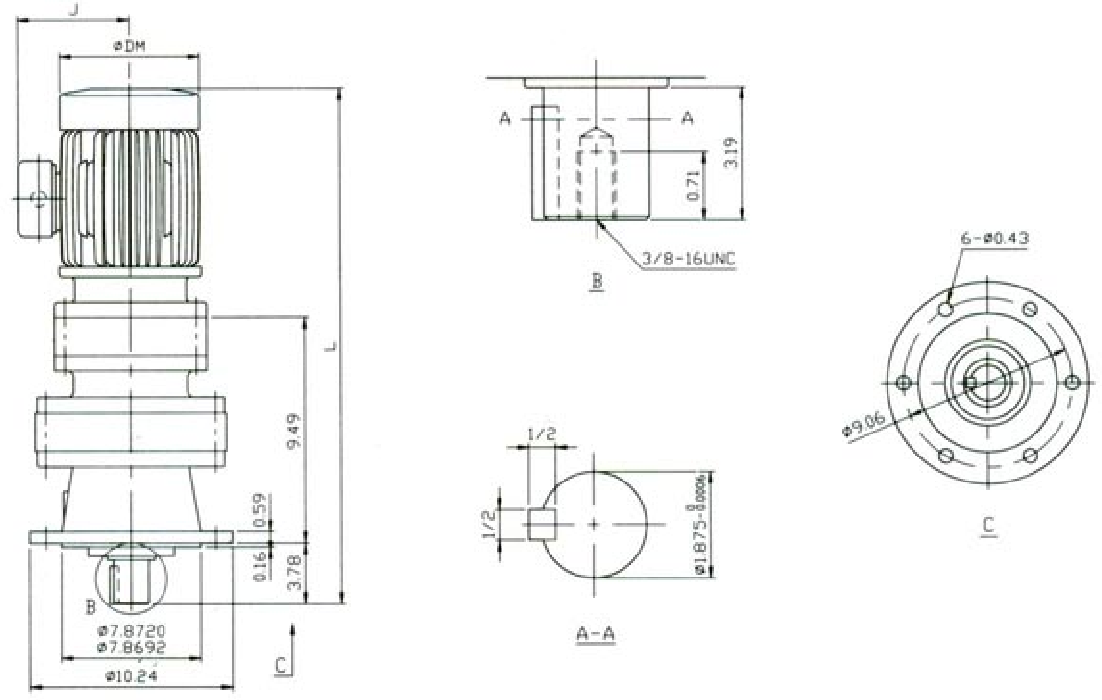




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	TDVM02-614/09	542	121	144		52	21.34	4.76	5.67		114.4
0.4	1/2	4	TDVM05-614/09	563	132	162		56	22.17	5.20	6.38		123.2
0.75	1	4	TDVM1-614/09	562	137	177		59	22.13	5.39	6.97		129.8

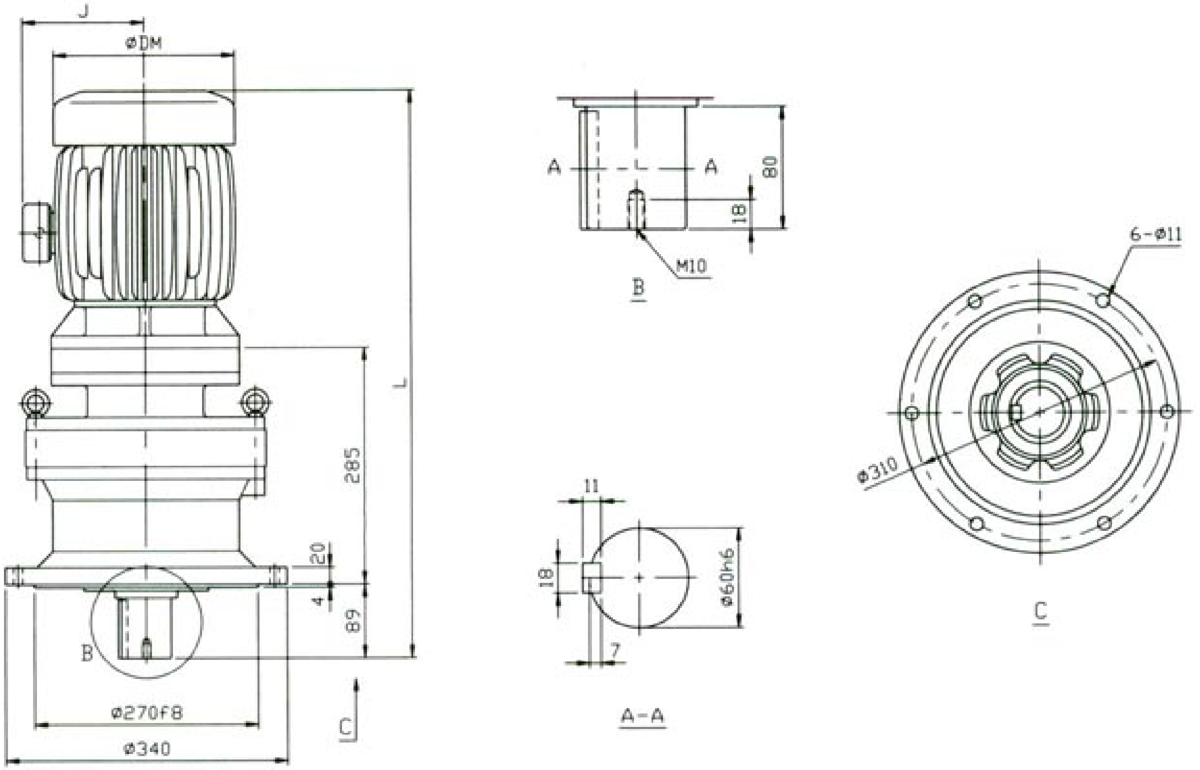
TDVM-614/10

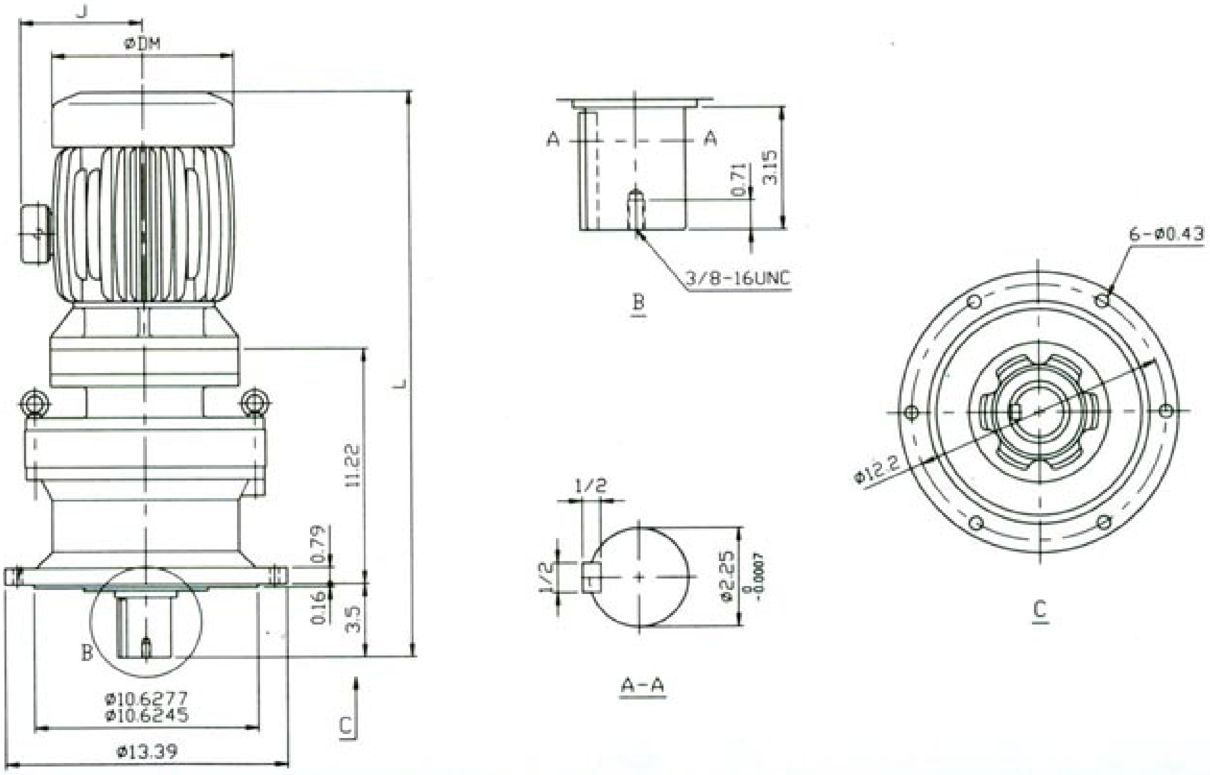




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	TDVM05-614/10	577	132	162		58	27.72	5.20	6.38		127.6
0.75	1	4	TDVM1-614/10	576	137	177		60	22.68	5.39	6.97		132.0
1.5	2	4	TDVM2-614/10	613	150	200		69	24.13	5.91	7.87		151.8
2.2	3	4	TDVM3-614/10	640	173	219		81	25.20	6.81	8.62		178.2

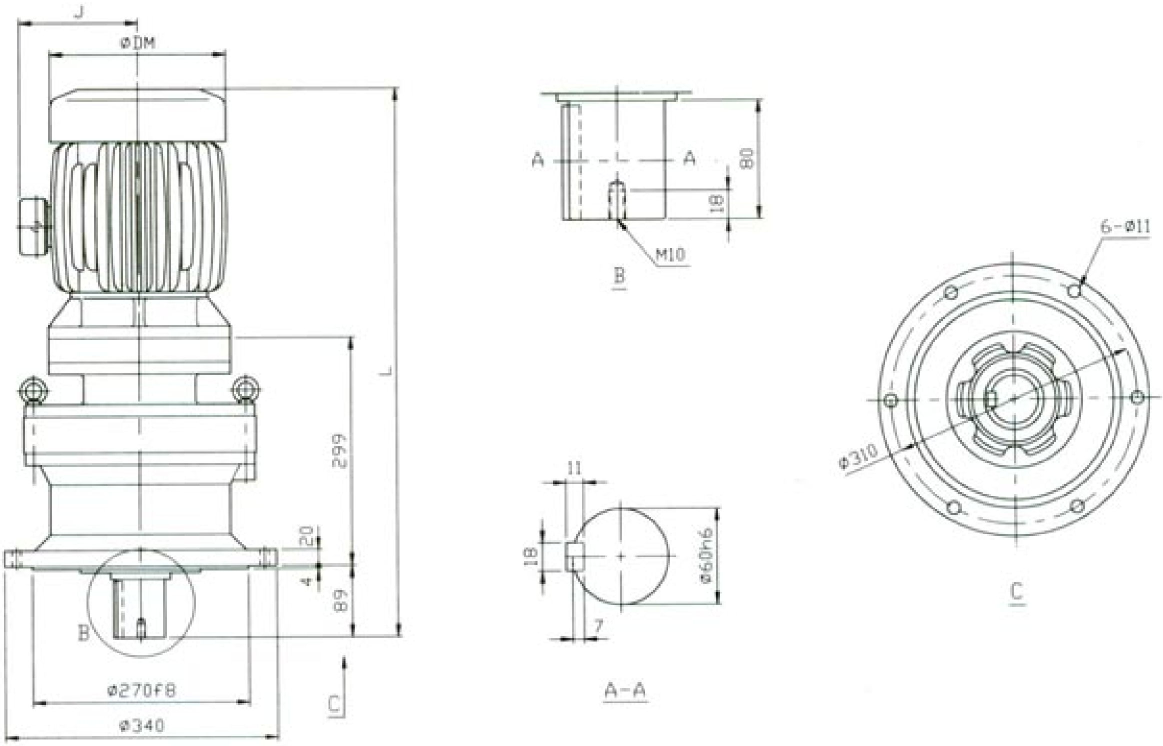
TDVM-616/09

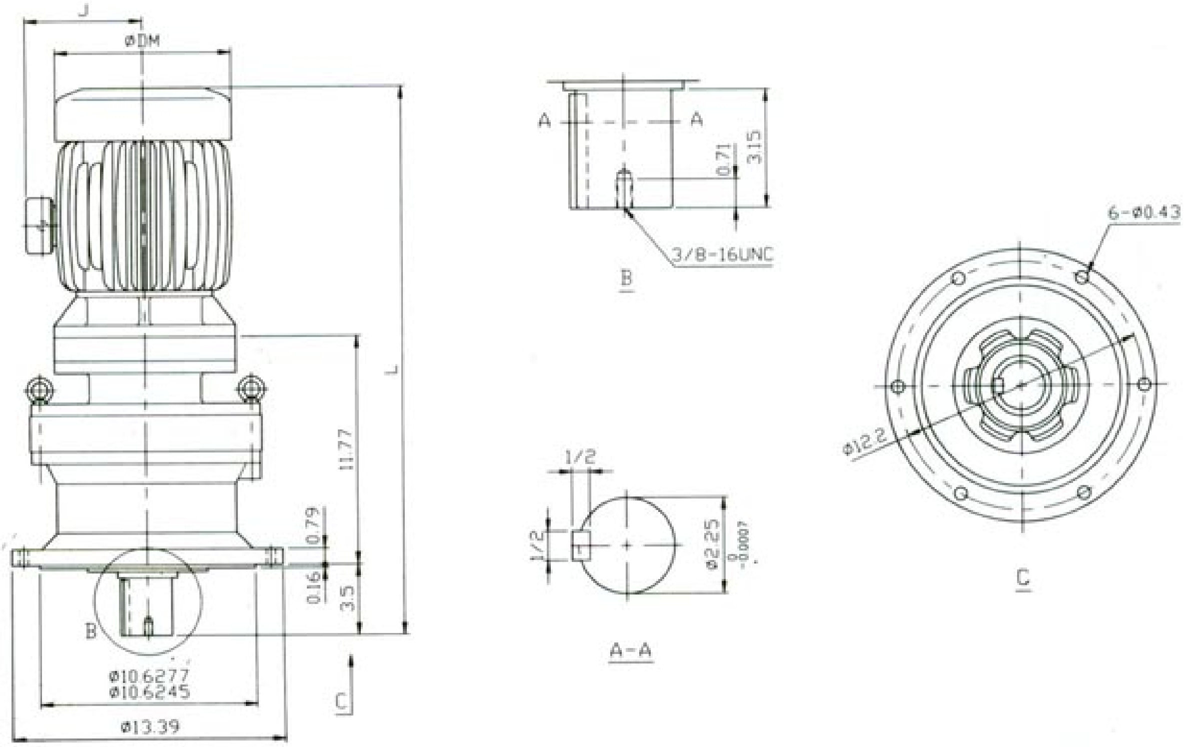




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	TDVM02-616/09	592	121	144		88	23.31	4.76	5.67		193.6
0.4	1/2	4	TDVM05-616/09	613	132	162		92	24.13	5.20	6.38		202.4
0.75	1	4	TDVM1-616/09	612	137	177		94	21.09	5.39	6.97		206.8

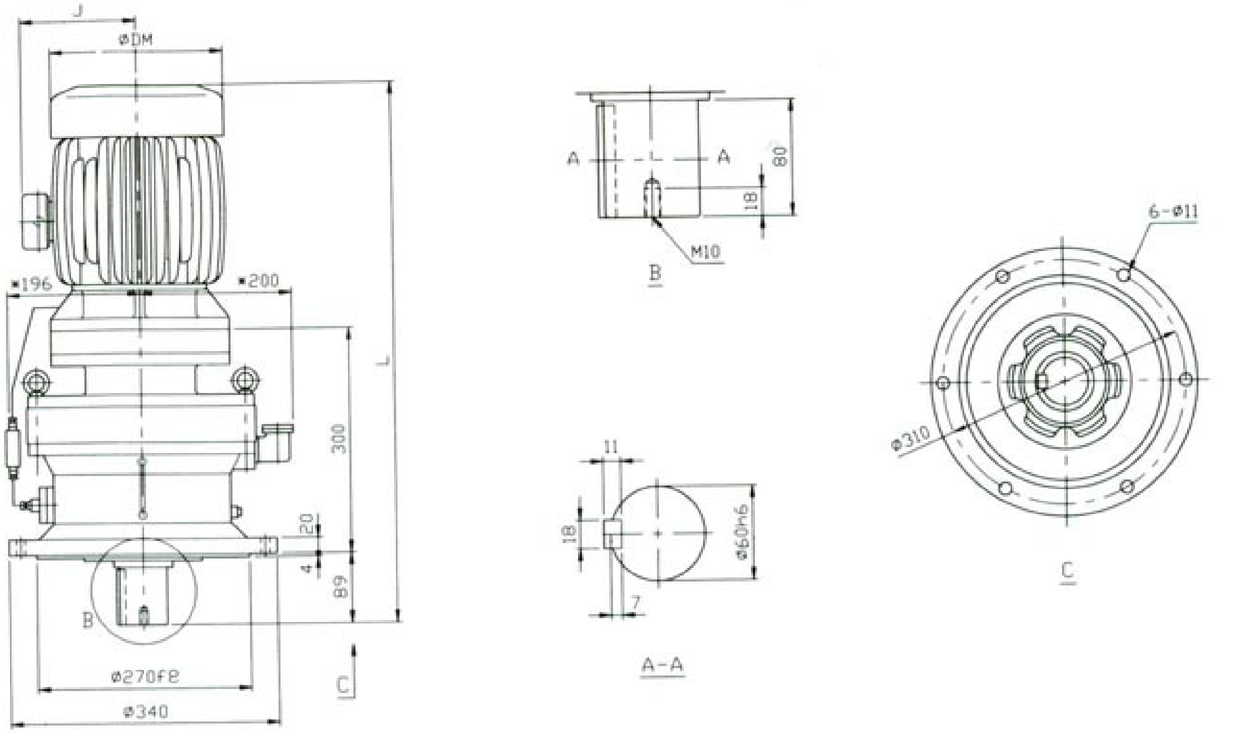
TDVM-616/10

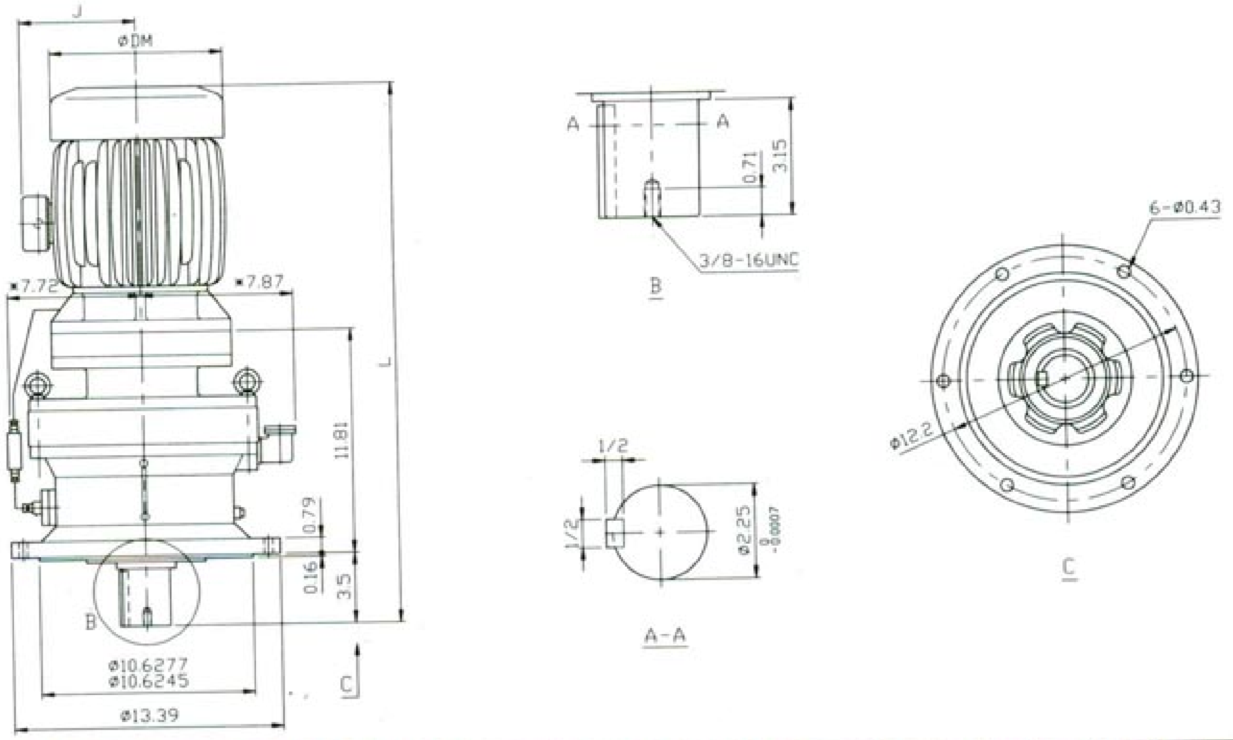




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	TDVM05-616/10	627	132	162		93	24.69	5.20	6.38		204.6
0.75	1	4	TDVM1-616/10	626	137	177		96	24.65	5.39	6.97		211.2
1.5	2	4	TDVM2-616/10	663	150	200		105	26.10	5.91	7.87		231.0
2.2	3	4	TDVM3-616/10	690	173	219		117	27.17	6.81	8.62		257.4

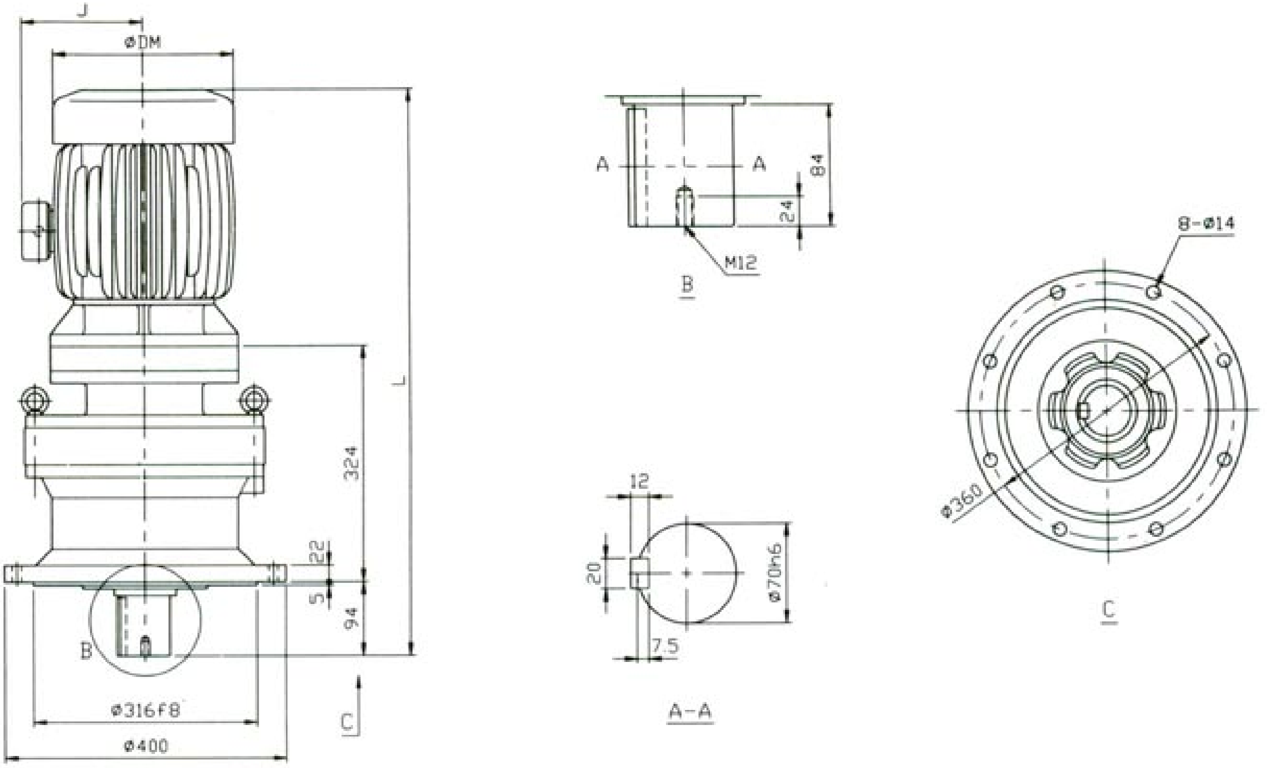
TDVM-616/11

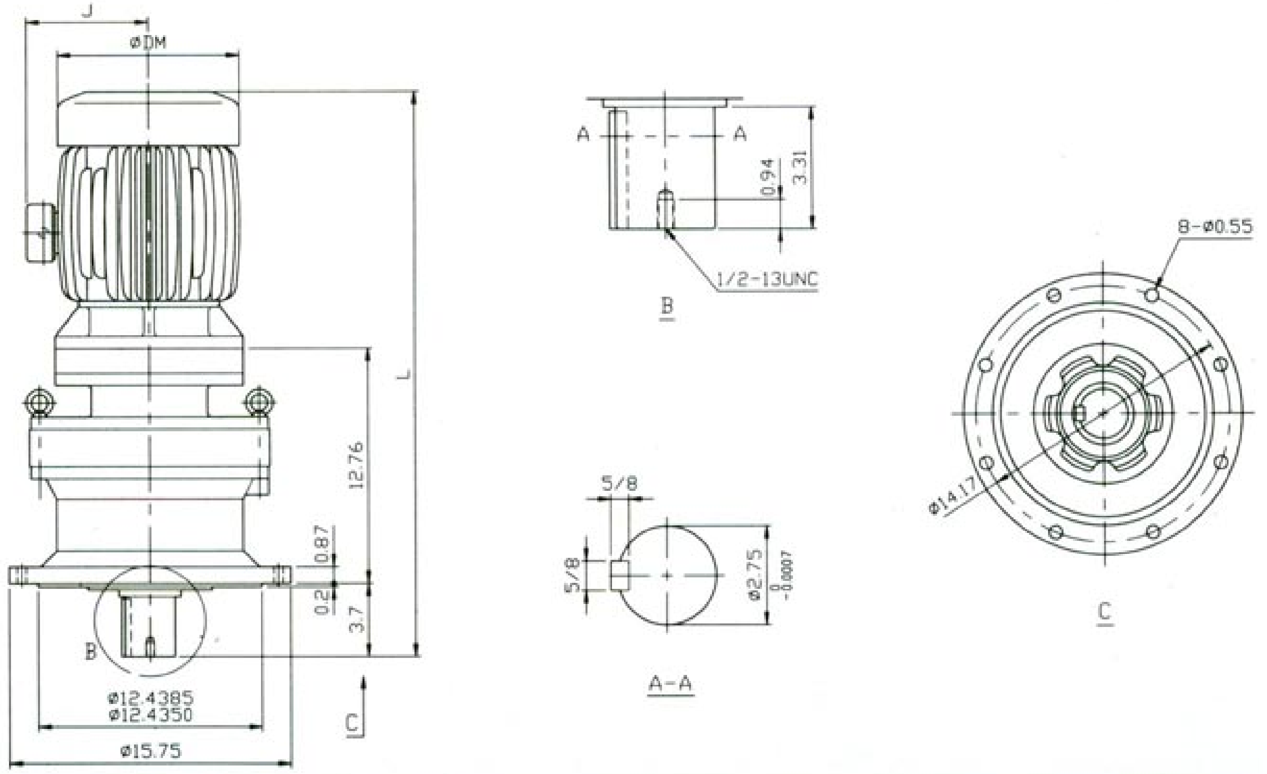




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	TDVM05-616/11	628	132	162		95	24.72	5.20	6.38		209.0
0.75	1	4	TDVM1-616/11	637	137	177		100	25.08	5.39	6.97		220.0
1.5	2	4	TDVM2-616/11	674	150	200		111	26.54	5.91	7.87		244.2
2.2	3	4	TDVM3-616/11	700	173	219		126	27.56	6.81	8.62		277.2
3.7	5	4	TDVM5-616/11	716	188	238		135	28.19	7.40	9.37		297.0

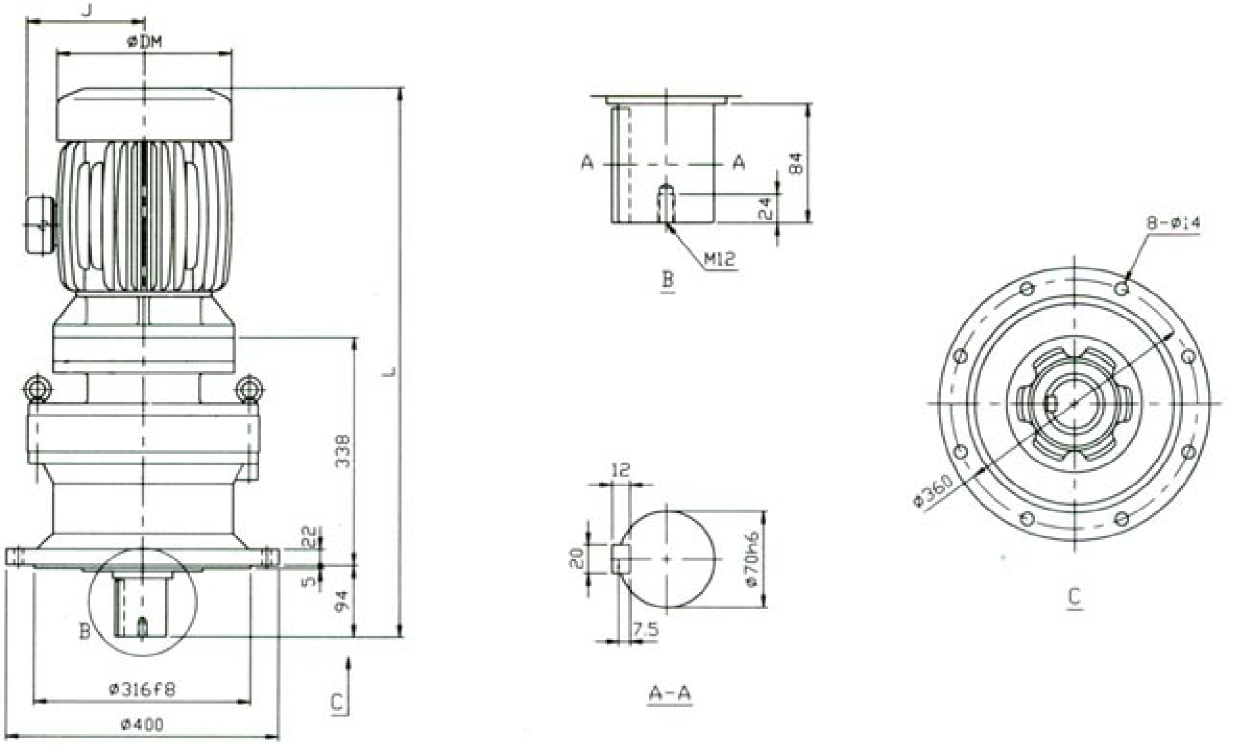
TDVM-617/09

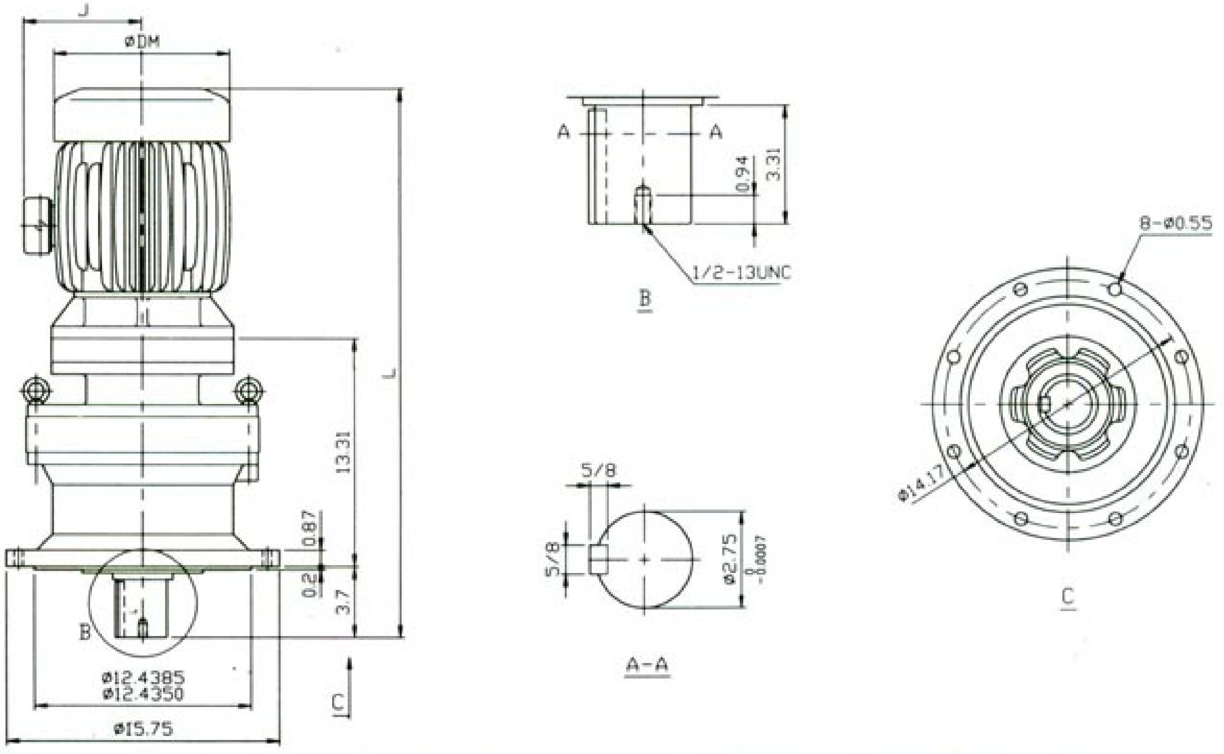




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.2	1/4	4	TDVM02-617/09	637	121	144		125	25.08	4.76	5.67		275.0
0.4	1/2	4	TDVM05-617/09	658	132	162		127	25.91	5.20	6.38		279.4
0.75	1	4	TDVM1-617/09	657	137	177		131	25.87	5.39	6.97		288.2

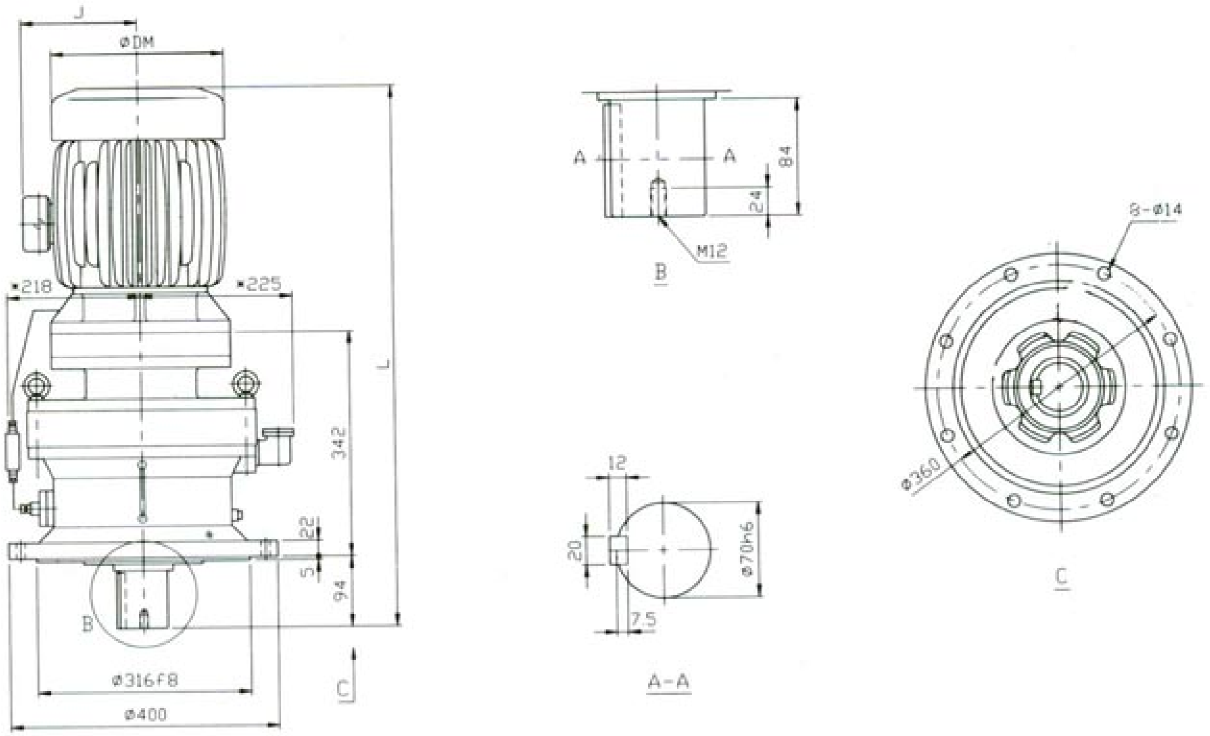
TDVM-617/10

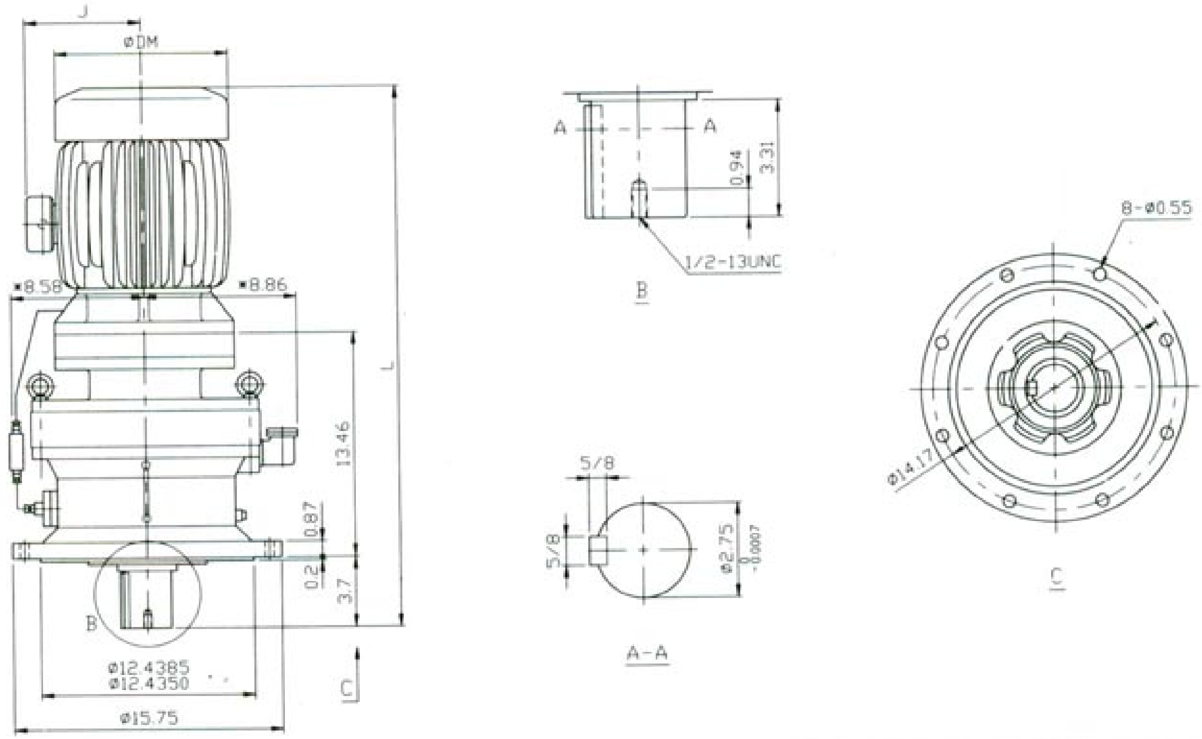




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	TDVM05-617/10	672	132	162		130	26.46	5.20	6.38		286.0
0.75	1	4	TDVM1-617/10	671	137	177		133	26.42	5.39	6.97		292.6
1.5	2	4	TDVM2-617/10	708	150	200		142	27.87	5.91	7.87		312.4
2.2	3	4	TDVM3-617/10	735	173	219		154	28.94	6.81	8.62		338.8

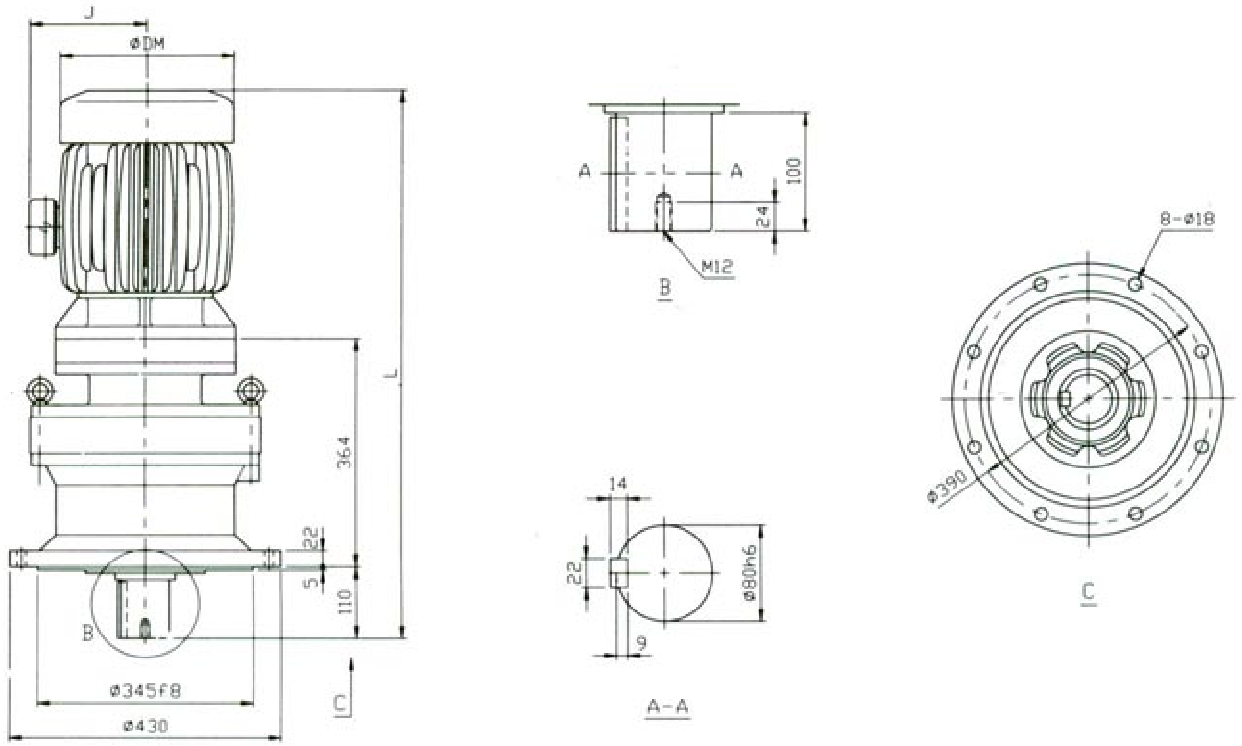
TDVM-617/11

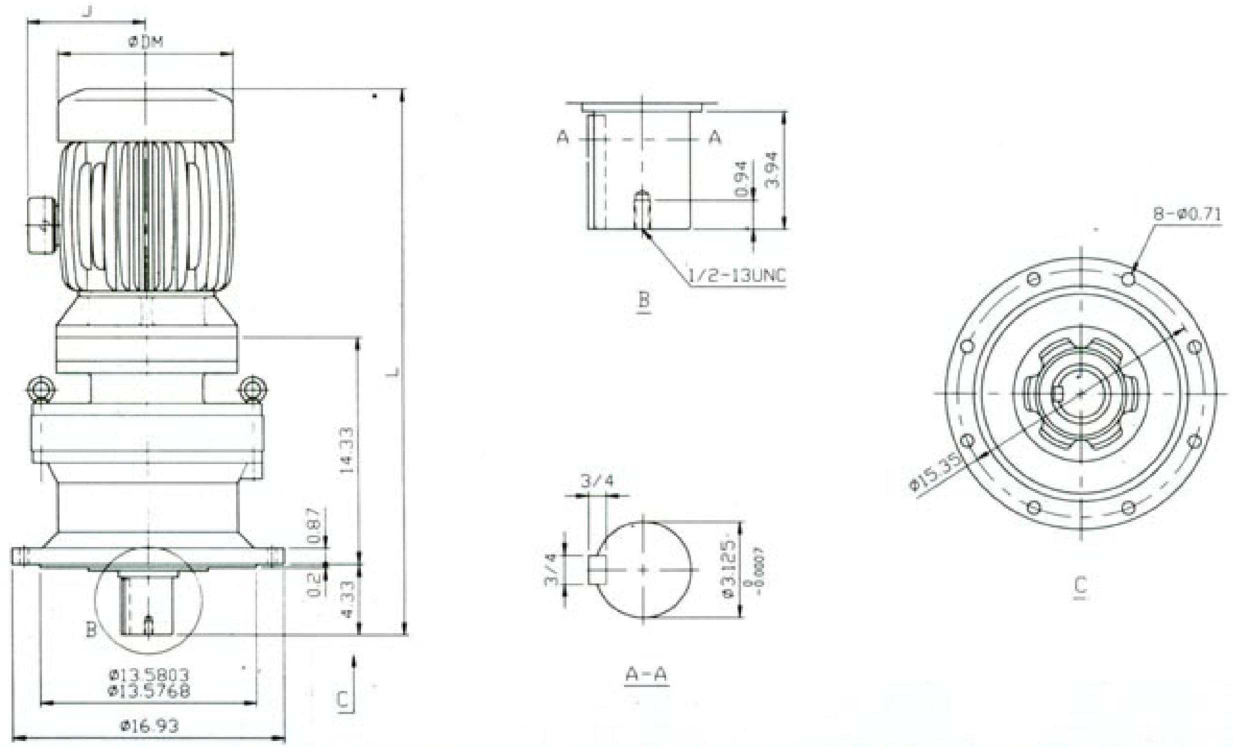




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	TDVM05-617/11	675	132	162		132	26.57	5.20	6.38		290.4
0.75	1	4	TDVM1-617/11	684	137	177		138	26.93	5.39	6.97		303.6
1.5	2	4	TDVM2-617/11	721	156	200		149	28.39	6.14	7.87		327.8
2.2	3	4	TDVM3-617/11	747	173	219		161	29.41	6.81	8.62		354.2
3.7	5	4	TDVM5-617/11	763	188	238		168	30.04	7.40	9.37		369.6

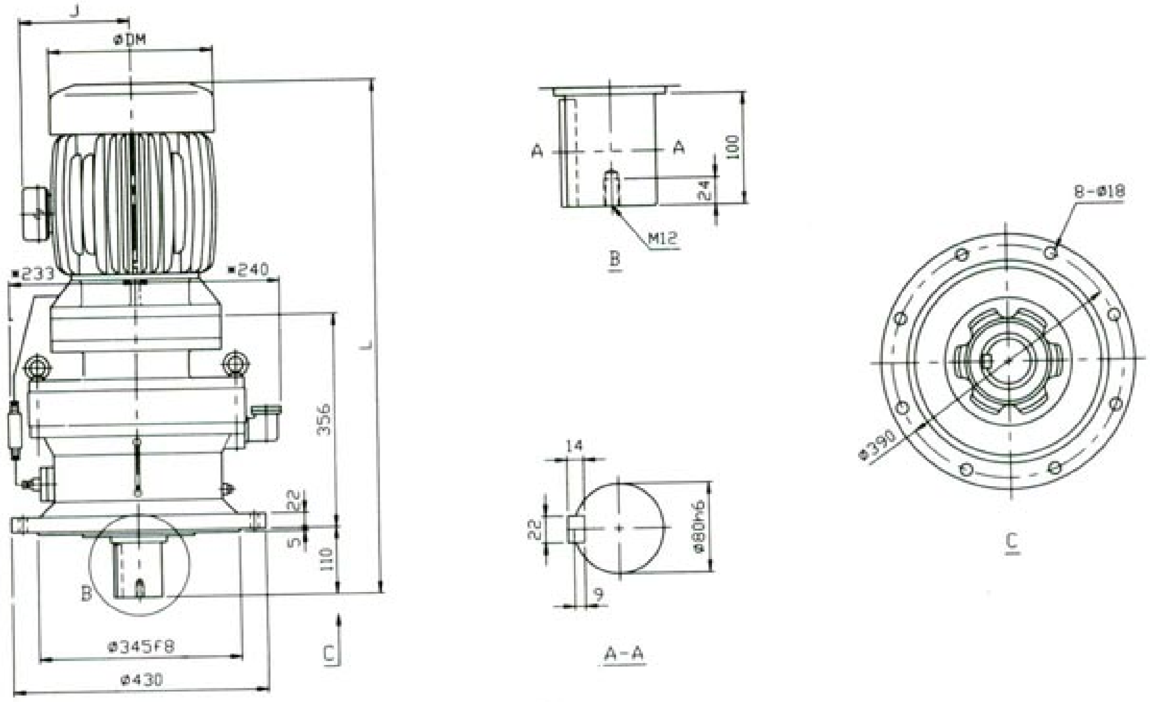
TDVM-618/10

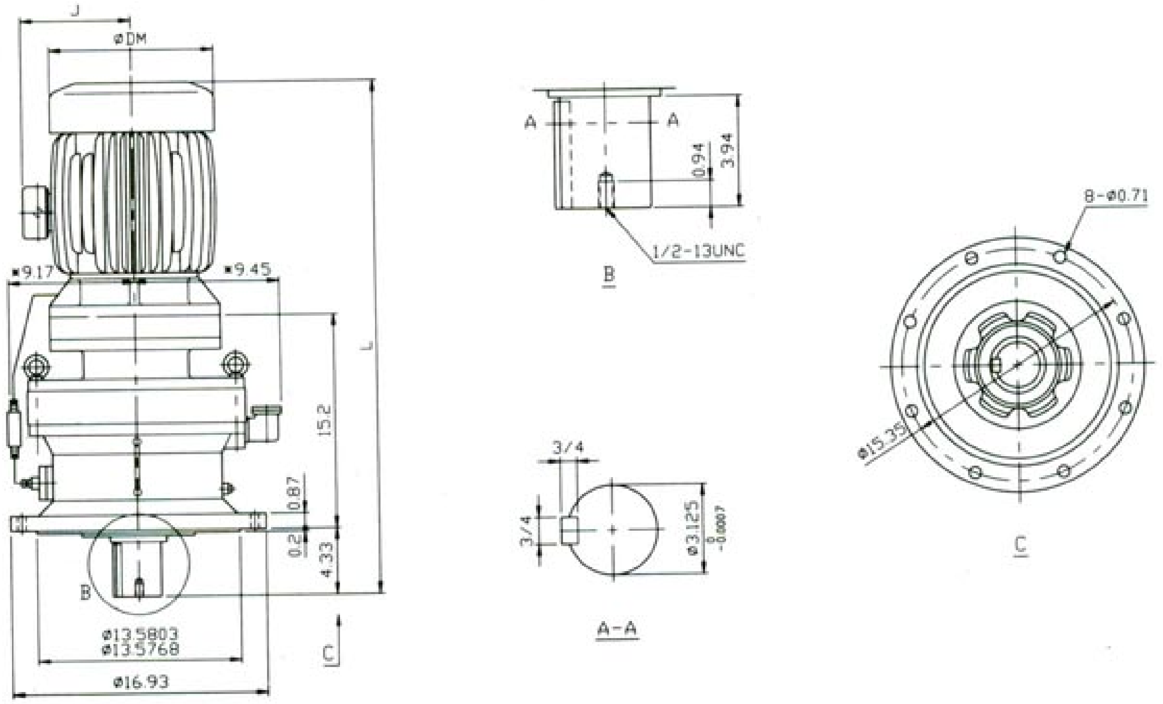




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	TDVM05-618/10	714	132	162		159	28.11	5.20	6.38		349.8
0.75	1	4	TDVM1-618/10	713	137	177		163	28.07	5.39	6.97		358.6
1.5	2	4	TDVM2-618/10	750	150	200		172	29.53	5.91	7.87		378.4
2.2	3	4	TDVM3-618/10	799	173	219		184	31.46	6.81	8.62		404.8

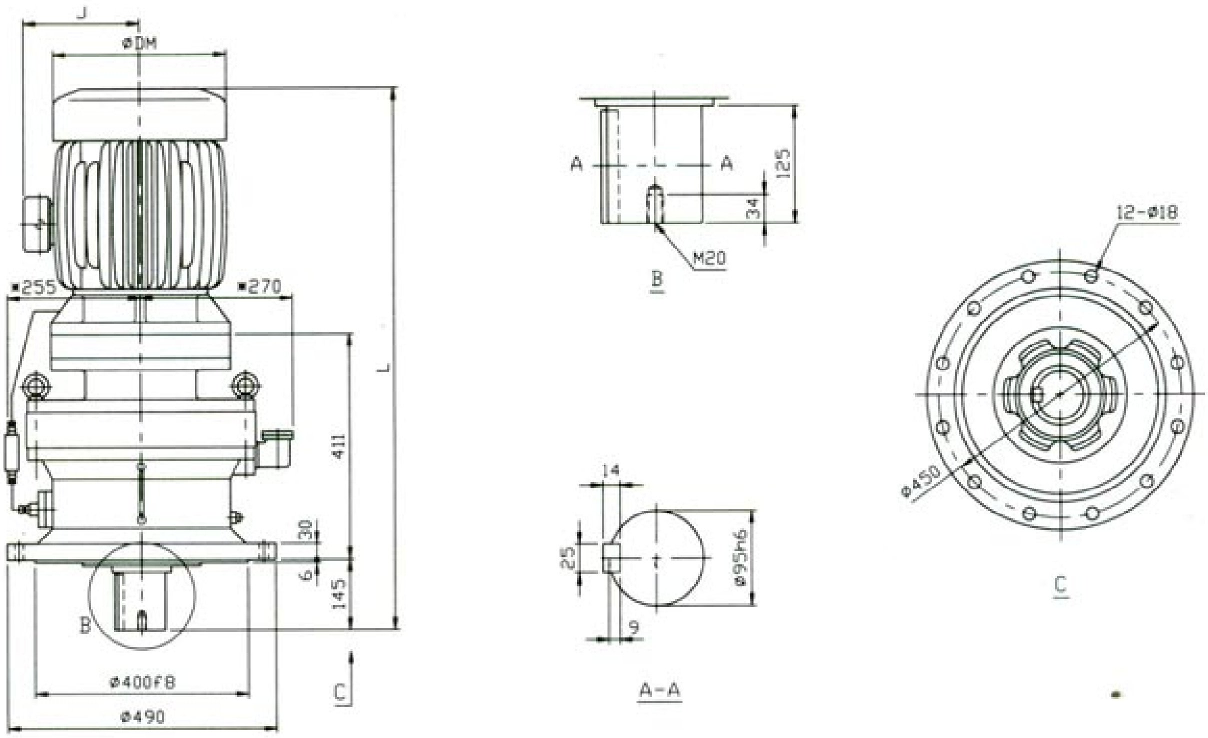
TDVM-618/13

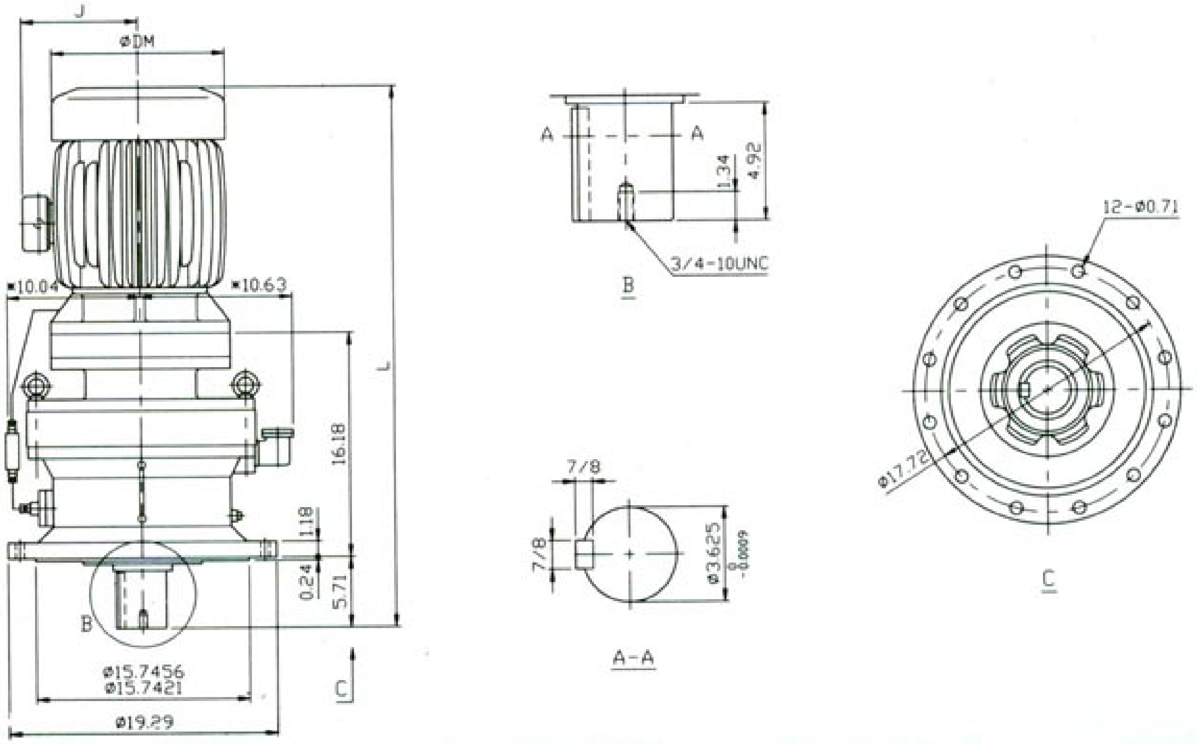




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TDVM1-618/13	740	137	177		181	29.13	5.39	6.97		398.2
1.5	2	4	TDVM2-618/13	780	150	200		193	30.71	5.91	7.87		424.6
2.2	3	4	TDVM3-618/13	807	173	219		205	31.77	6.81	8.62		451.0
3.7	5	4	TDVM5-618/13	826	187	238		210	32.52	7.36	9.37		462.0
5.5	7.5	4	TDVM8-618/13	870	218	273		216	34.25	8.58	10.75		475.2
7.5	10	4	TDVM10-618/13	908	223	273		222	35.75	8.78	10.75		488.4

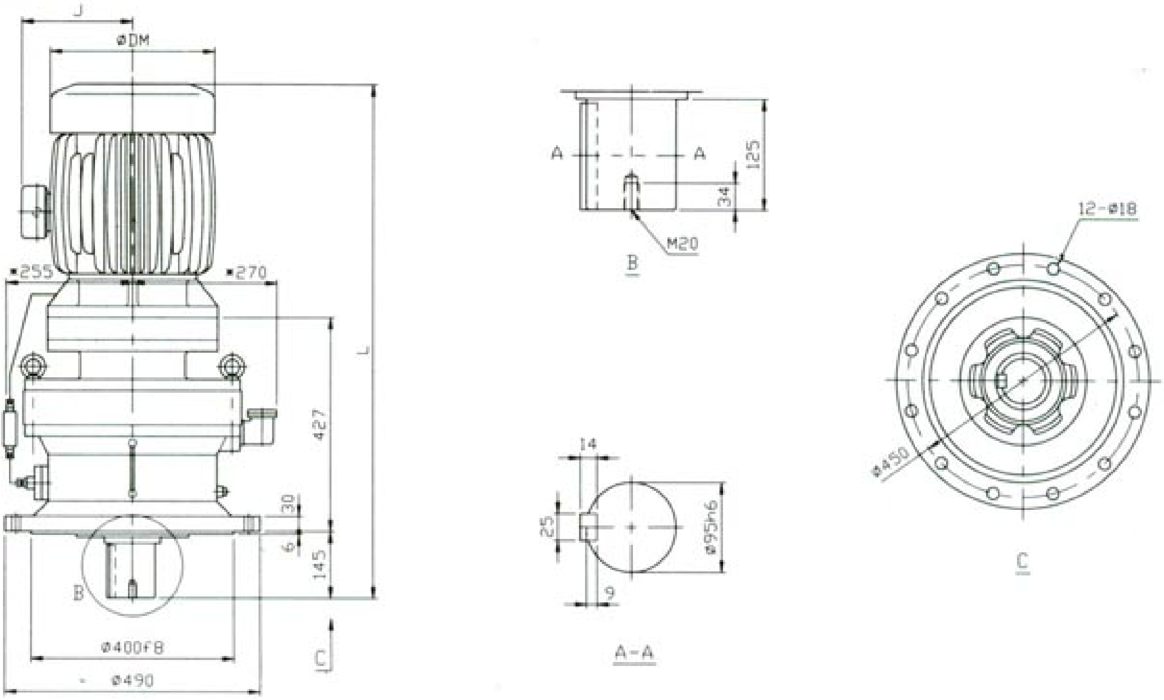
TDVM-619/11

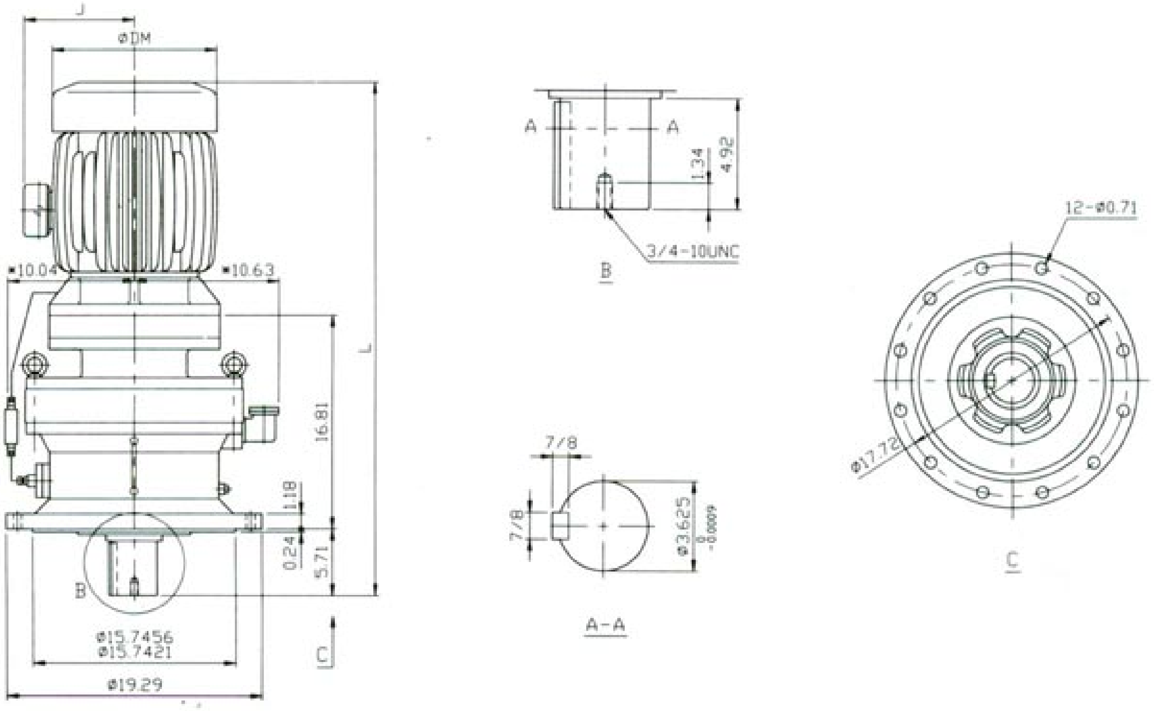




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	TDVM05-619/11	795	132	162		233	31.30	5.20	6.38		512.6
0.75	1	4	TDVM1-619/11	804	137	177		244	31.65	5.39	6.97		536.8
1.5	2	4	TDVM2-619/11	841	150	200		253	33.11	6.14	7.87		556.6
2.2	3	4	TDVM3-619/11	867	173	219		265	34.13	6.81	8.62		583.0
3.7	5	4	TDVM5-619/11	883	188	238		274	34.76	7.40	9.37		602.8

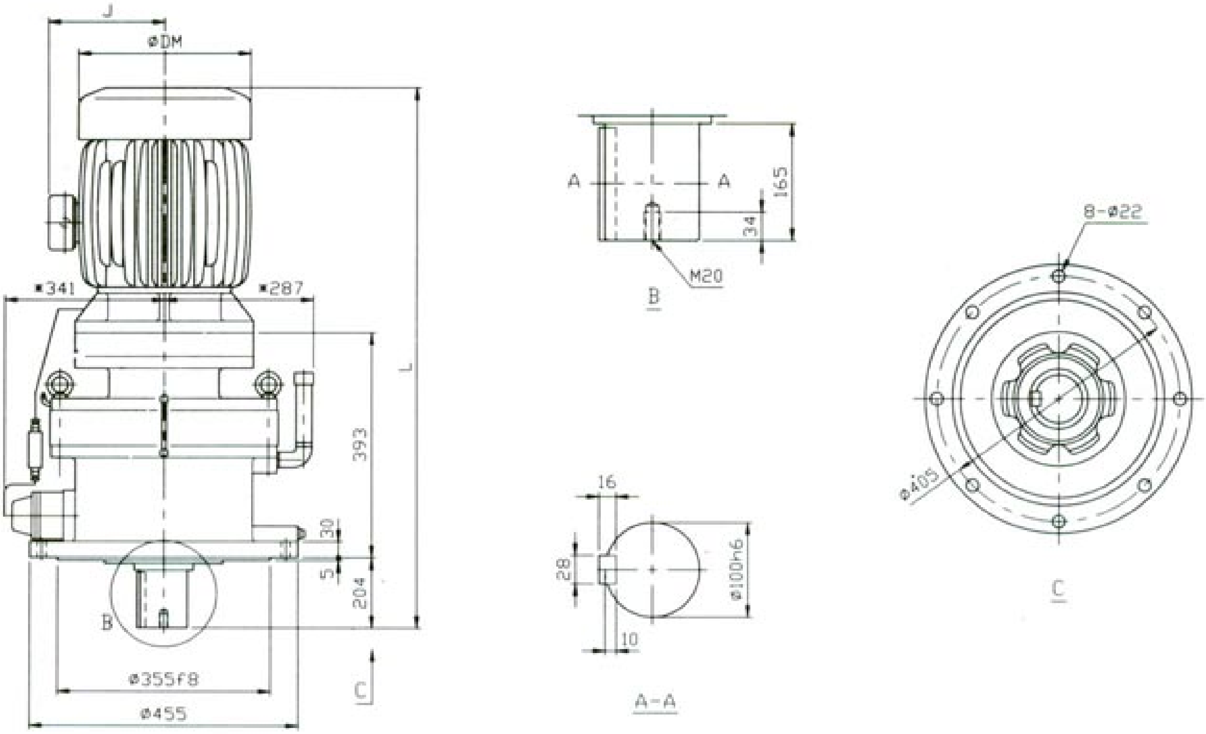
TDVM-619/13

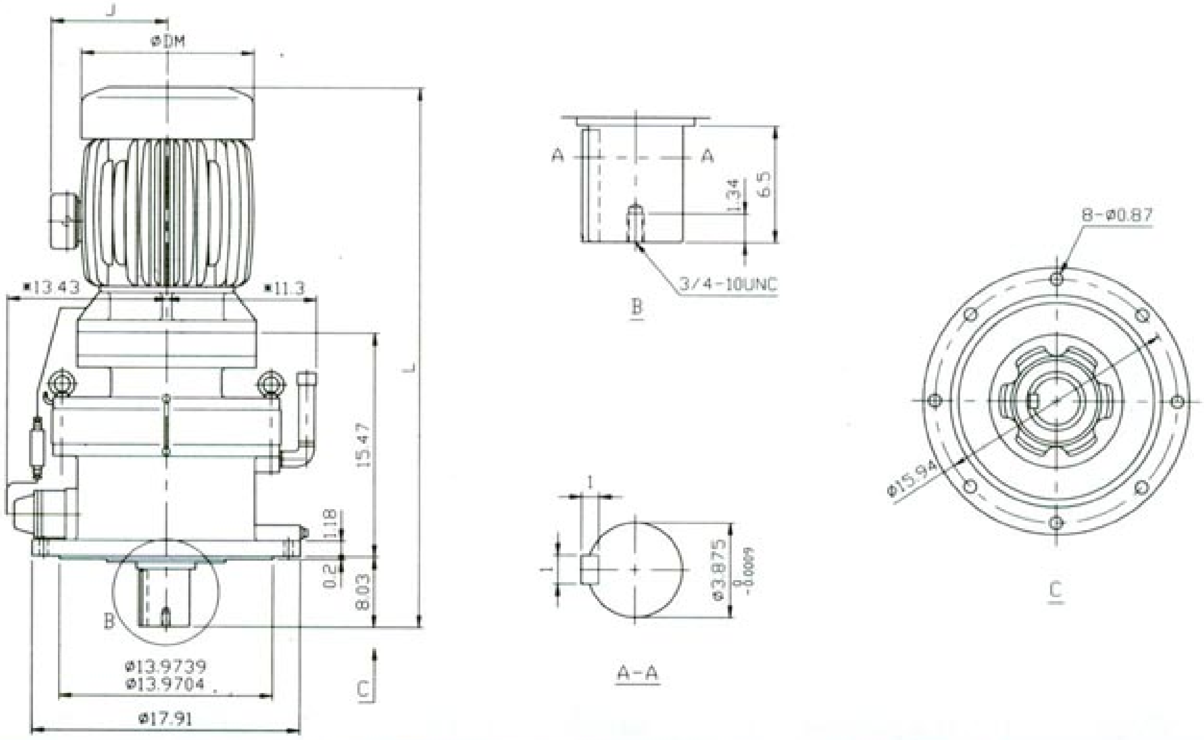




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TDVM1-619/13	816	143	177		251	32.13	5.39	6.97		552.2
1.5	2	4	TDVM2-619/13	856	150	200		263	33.70	5.71	7.87		578.6
2.2	3	4	TDVM3-619/13	883	173	219		274	34.76	6.81	8.62		602.8
3.7	5	4	TDVM5-619/13	902	187	238		283	35.51	7.36	9.37		622.6
5.5	7.5	4	TDVM8-619/13	946	218	273		289	37.24	8.58	10.75		635.8
7.5	10	4	TDVM10-619/13	984	223	273		301	38.74	8.78	10.75		662.2

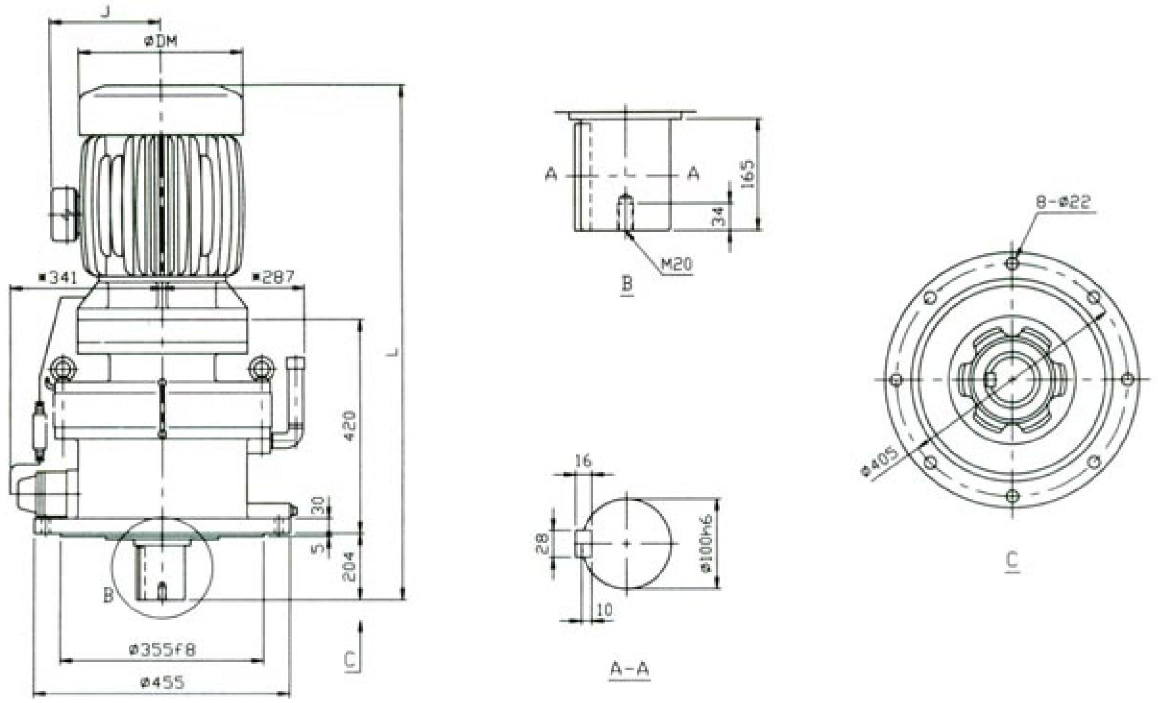
TDVM-620/11

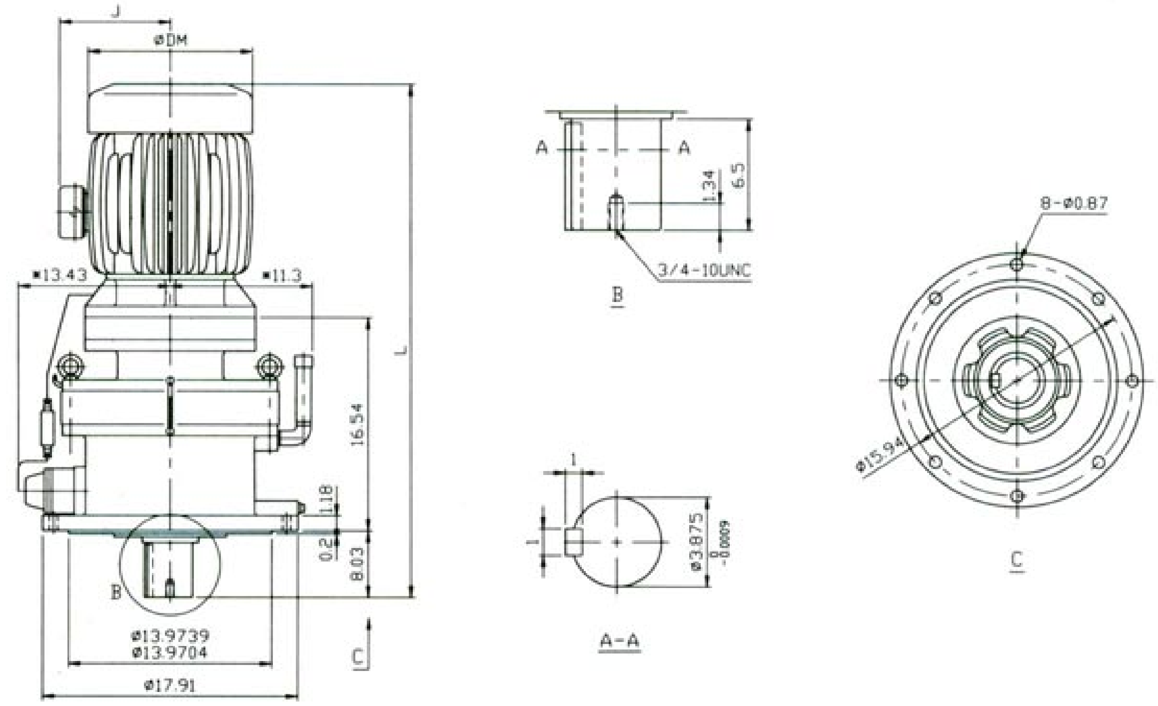




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.4	1/2	4	TDVM05-620/11	836	132	162		254	32.91	5.20	6.38		558.8
0.75	1	4	TDVM1-620/11	845	137	177		262	33.27	5.39	6.97		576.4
1.5	2	4	TDVM2-620/11	882	150	200		269	34.72	6.14	7.87		591.8
2.2	3	4	TDVM3-620/11	908	173	219		275	35.75	6.81	8.62		605.0
3.7	5	4	TDVM5-620/11	924	188	238		281	36.38	7.40	9.37		618.2

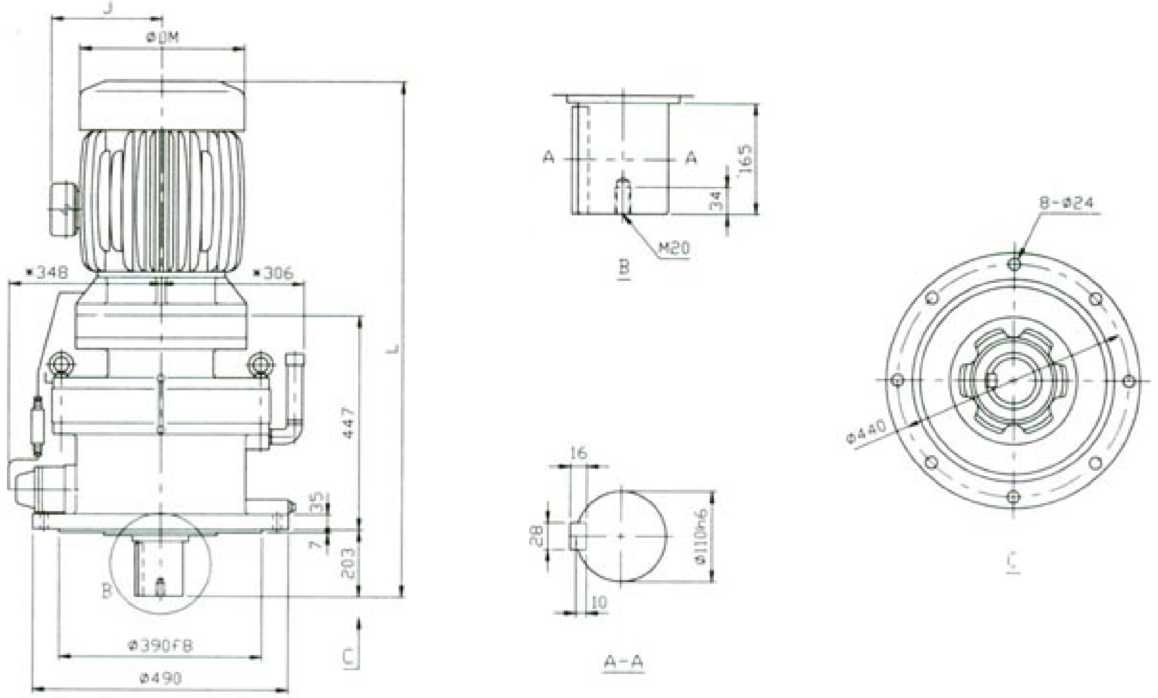
TDVM-620/13

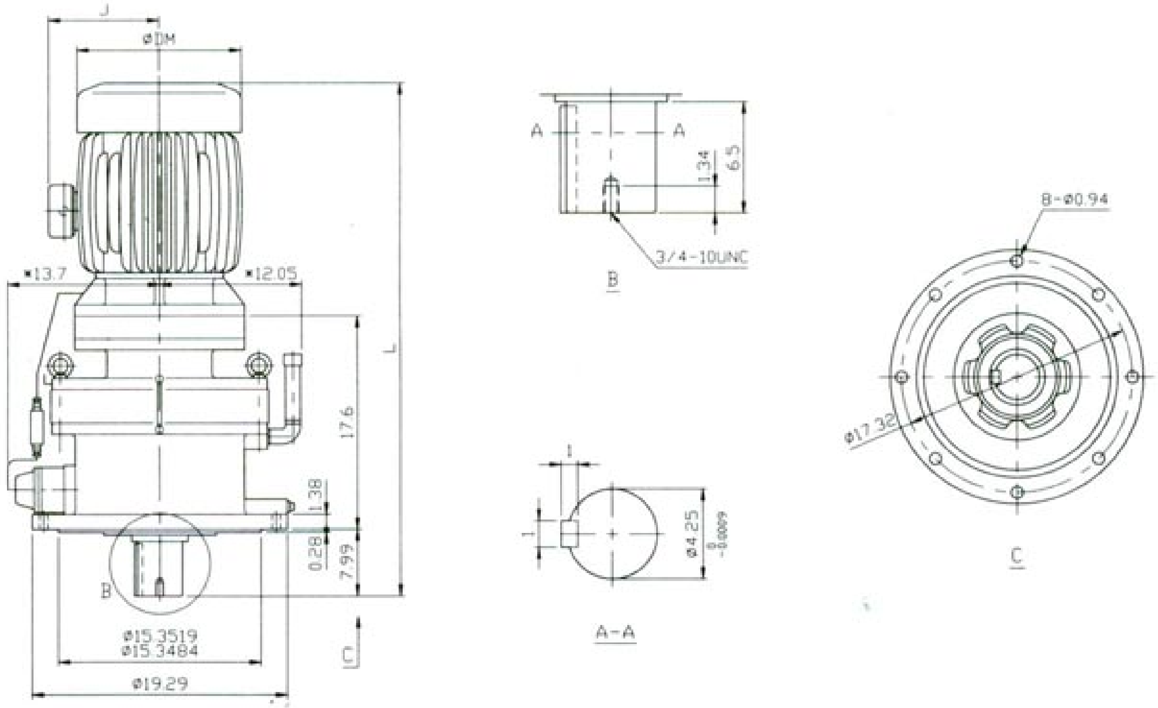




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TDVM1-620/13	868	143	177		273	34.17	5.63	6.97		600.6
1.5	2	4	TDVM2-620/13	908	150	200		284	35.75	5.91	7.87		624.8
2.2	3	4	TDVM3-620/13	935	173	219		294	36.81	6.81	8.62		646.8
3.7	5	4	TDVM5-620/13	954	187	238		303	37.56	7.36	9.37		666.6
5.5	7.5	4	TDVM8-620/13	998	218	273		311	39.29	8.58	10.75		684.2
7.5	10	4	TDVM10-620/13	1036	223	273		313	40.79	8.78	10.75		688.6

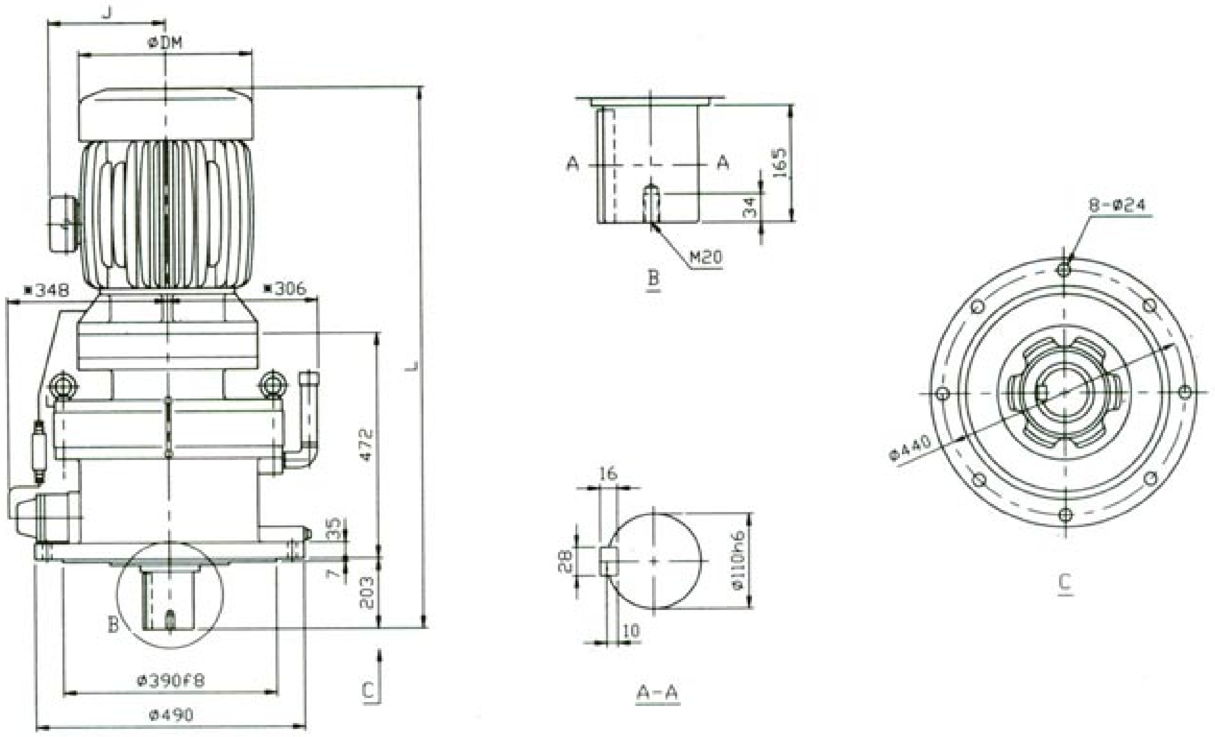
TDVM-621/13

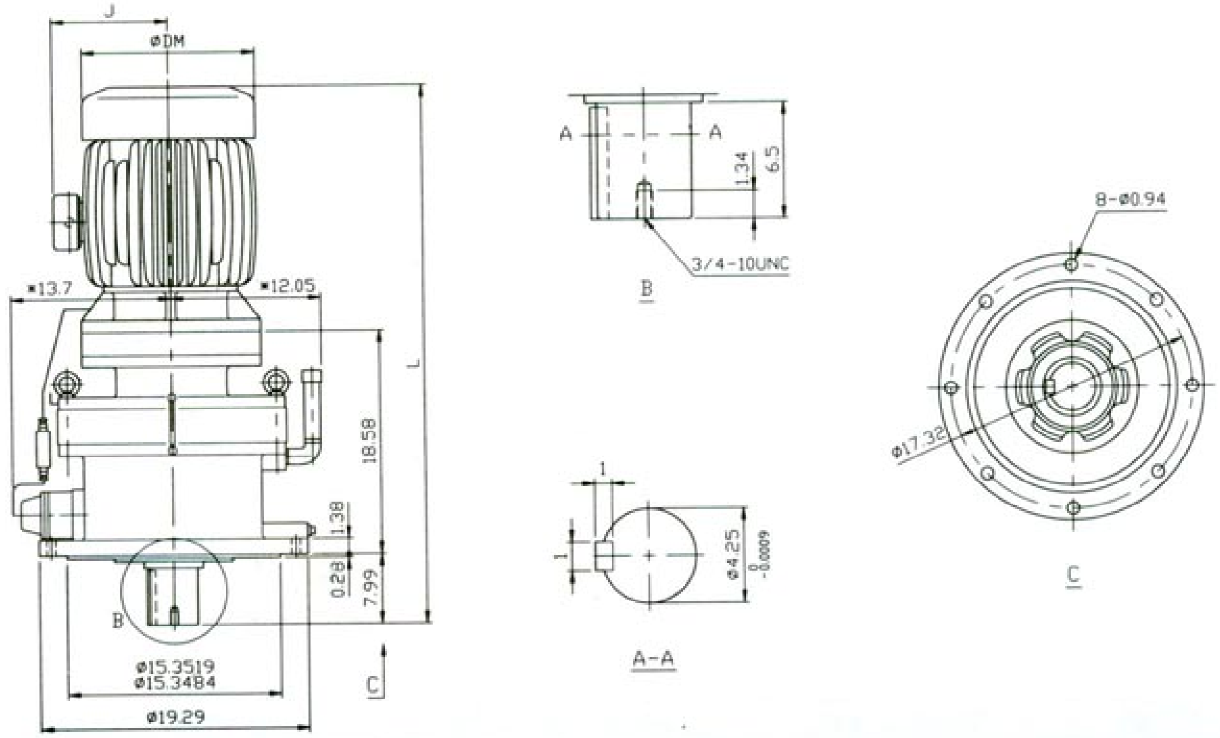




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TDVM1-621/13	894	143	177		329	35.20	5.63	6.97		723.8
1.5	2	4	TDVM2-621/13	934	150	200		342	36.77	5.91	7.87		752.4
2.2	3	4	TDVM3-621/13	961	173	219		354	37.83	6.81	8.62		778.8
3.7	5	4	TDVM5-621/13	980	187	238		361	38.58	7.36	9.37		794.2
5.5	7.5	4	TDVM8-621/13	1024	218	273		365	40.31	8.58	10.75		803.0
7.5	10	4	TDVM10-621/13	1062	223	273		373	41.81	8.78	10.75		820.6

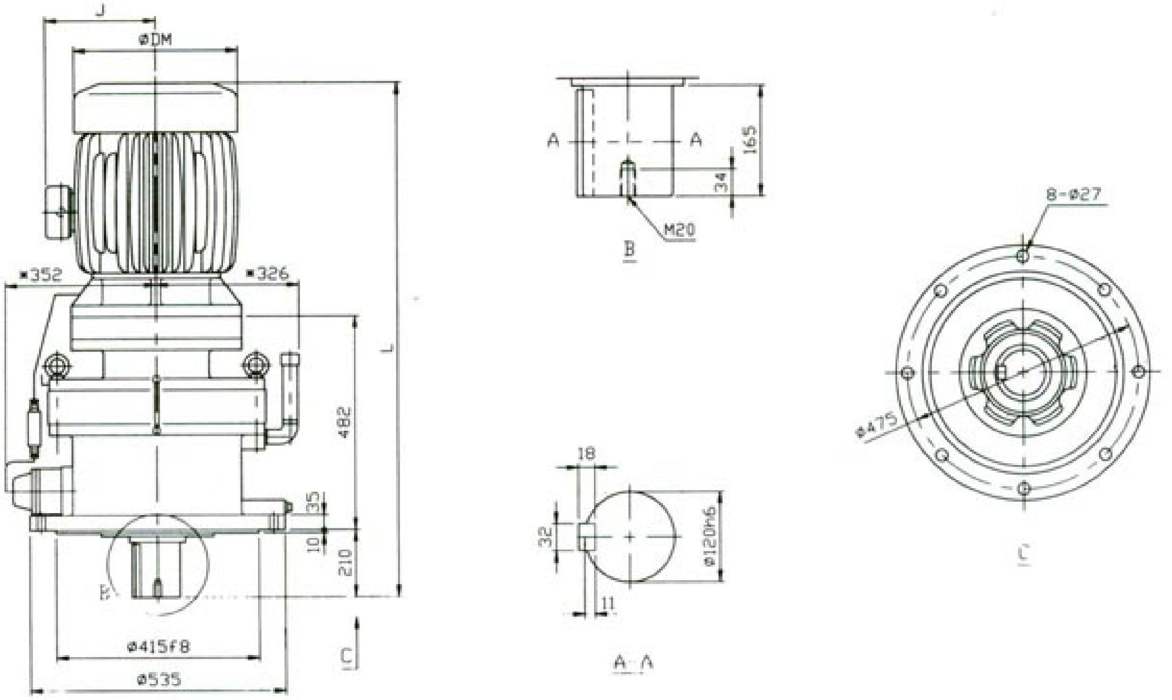
TDVM-621/16

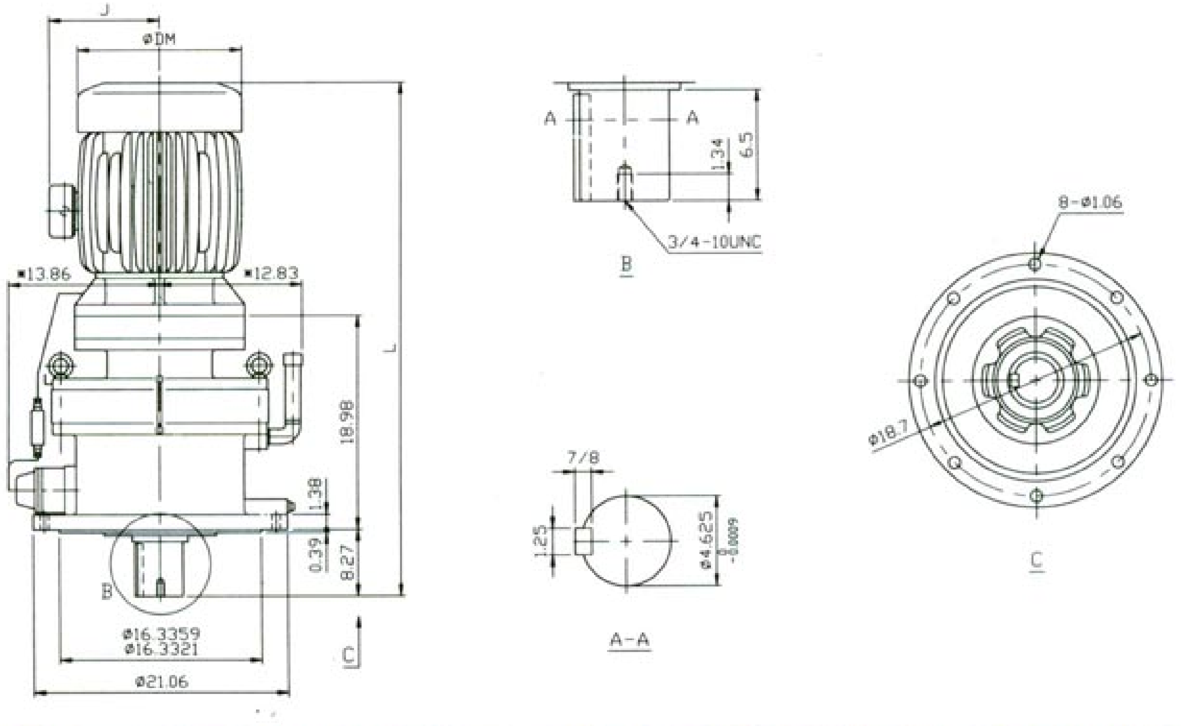




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
2.2	3	4	TDVM3-621/16	989	173	219		365	38.94	6.81	8.62		803.0
3.7	5	4	TDVM5-621/16	1008	182	238		375	39.69	7.17	9.37		825.0
5.5	7.5	4	TDVM8-621/16	1042	219	273		384	41.02	8.62	10.75		844.8
7.5	10	4	TDVM10-621/16	1080	219	273		387	42.52	8.62	10.75		851.4
11	15	4	TDVM15-621/16	1167	256	334		412	45.94	10.08	13.15		906.4

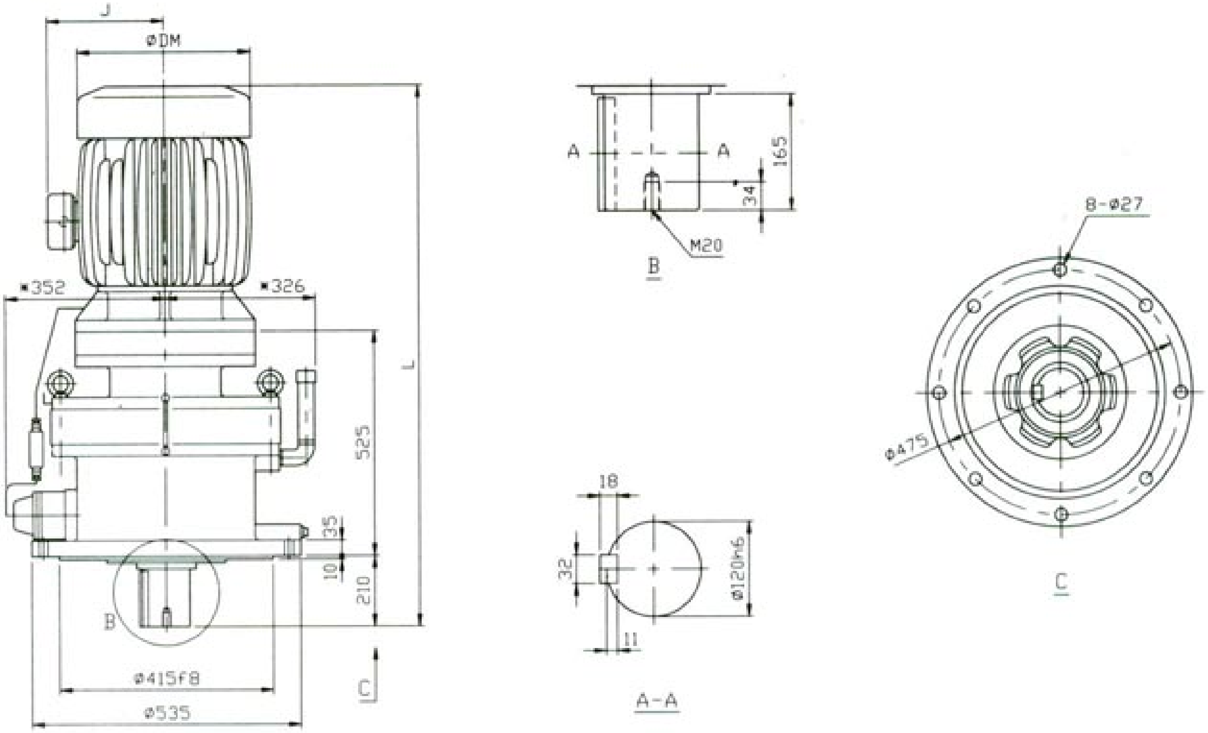
TDVM-622/13

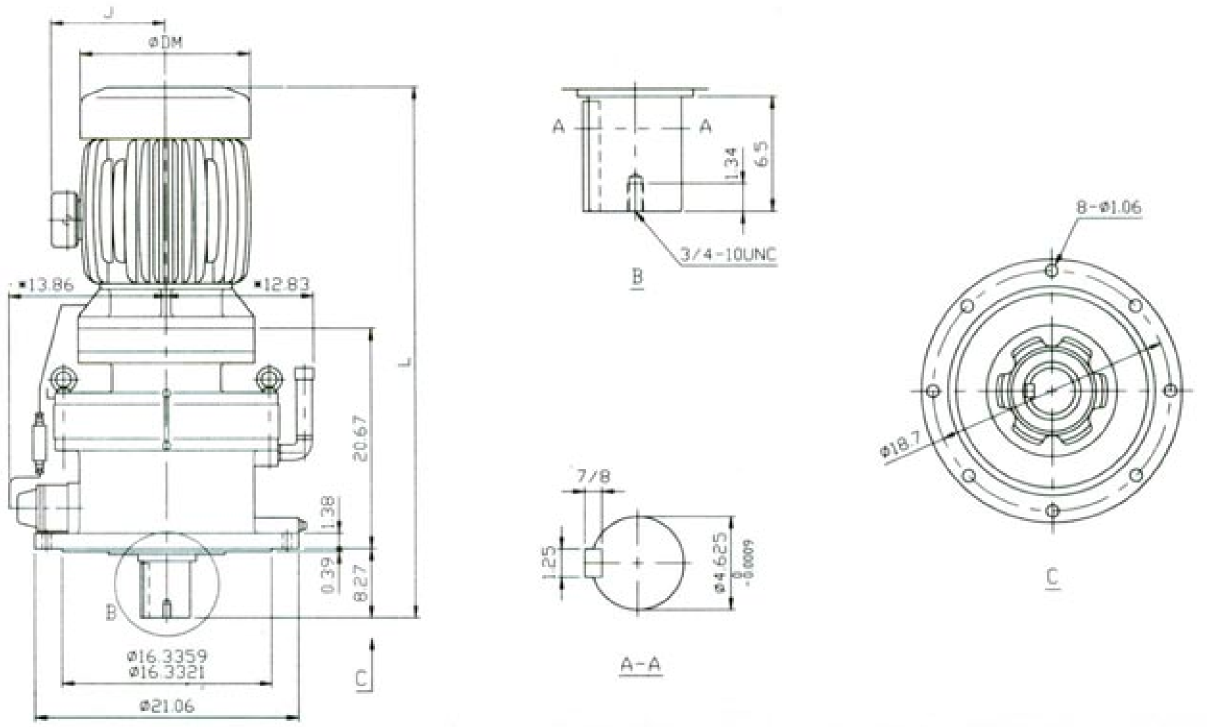




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0.75	1	4	TDVM1-622/13	936	143	177		419	36.85	5.63	6.97		921.8
1.5	2	4	TDVM2-622/13	976	150	200		432	38.45	5.91	7.87		950.4
2.2	3	4	TDVM3-622/13	1003	173	219		444	39.49	6.81	8.62		976.8
3.7	5	4	TDVM5-622/13	1022	187	238		449	40.24	7.36	9.37		987.8
5.5	7.5	4	TDVM8-622/13	1066	218	273		453	41.97	8.58	10.75		996.6
7.5	10	4	TDVM10-622/13	1104	223	273		461	43.46	8.78	10.75		1014

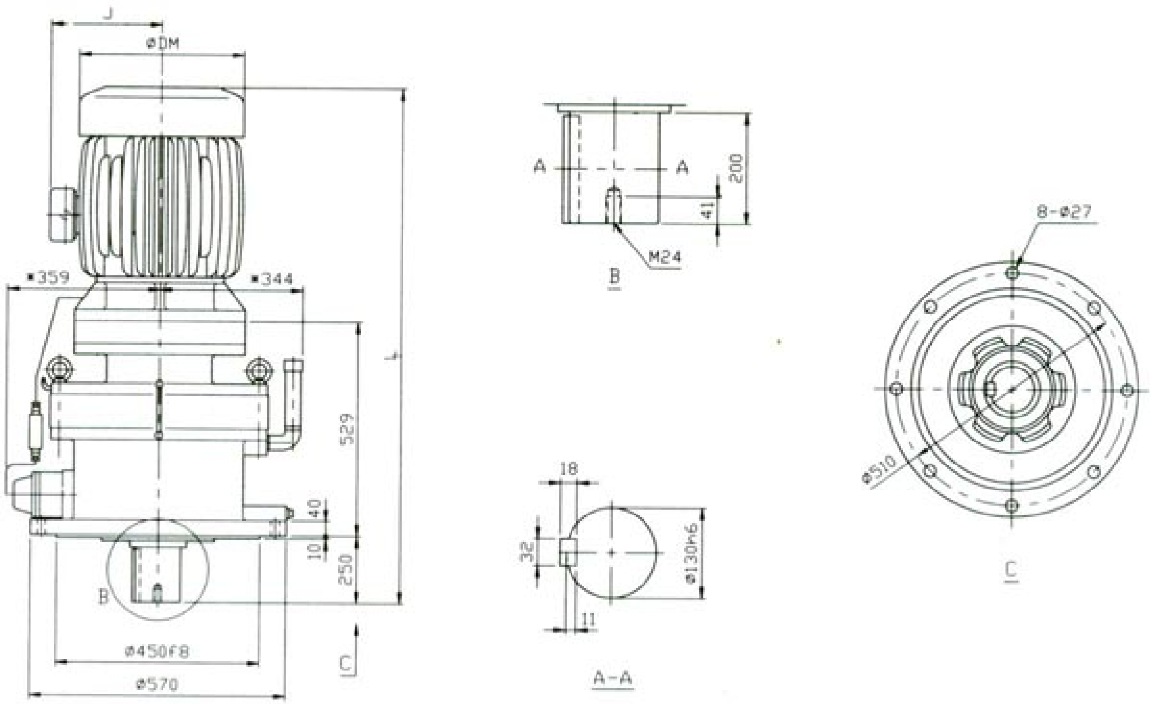
TDVM-622/17

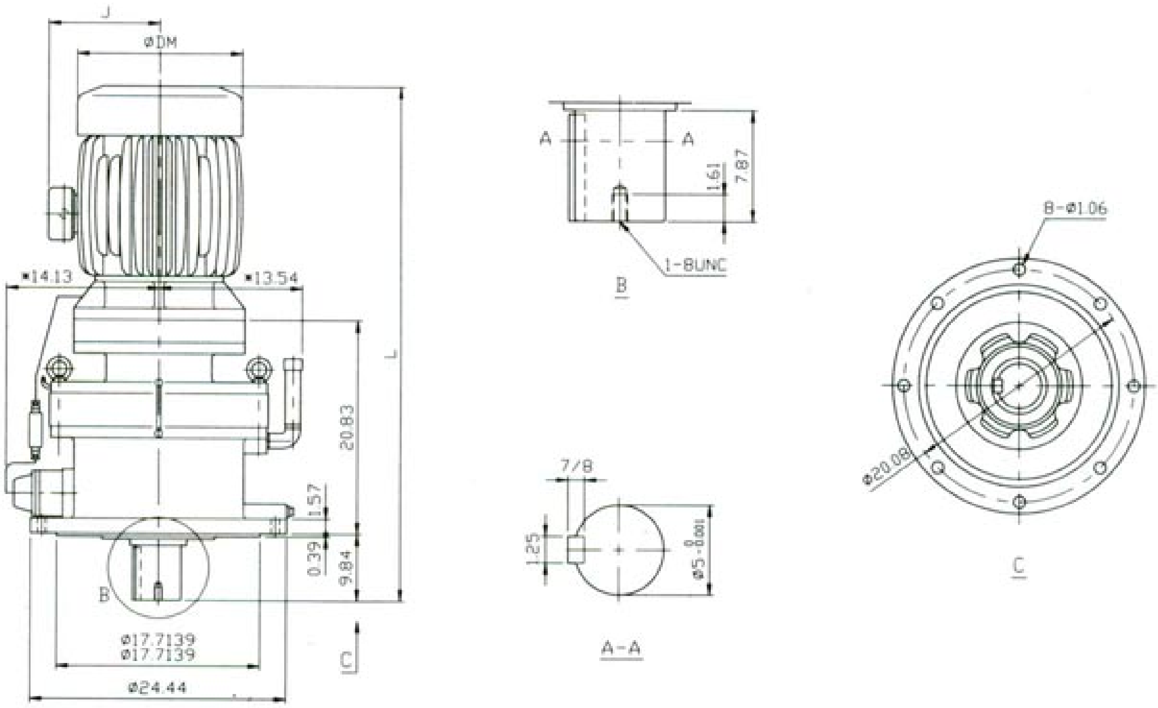




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	TDVM5-622/17	1080	182	238		437	42.52	7.17	9.37		961.0
5.5	7.5	4	TDVM8-622/17	1114	218	273		450	43.86	8.58	10.75		990.0
7.5	10	4	TDVM10-622/17	1152	218	273		462	45.35	8.58	10.75		1016
11	15	4	TDVM15-622/17	1227	256	334		513	48.31	10.08	13.15		1129
15	20	4	TDVM20-622/17	1271	256	334		567	50.04	10.08	13.15		1147

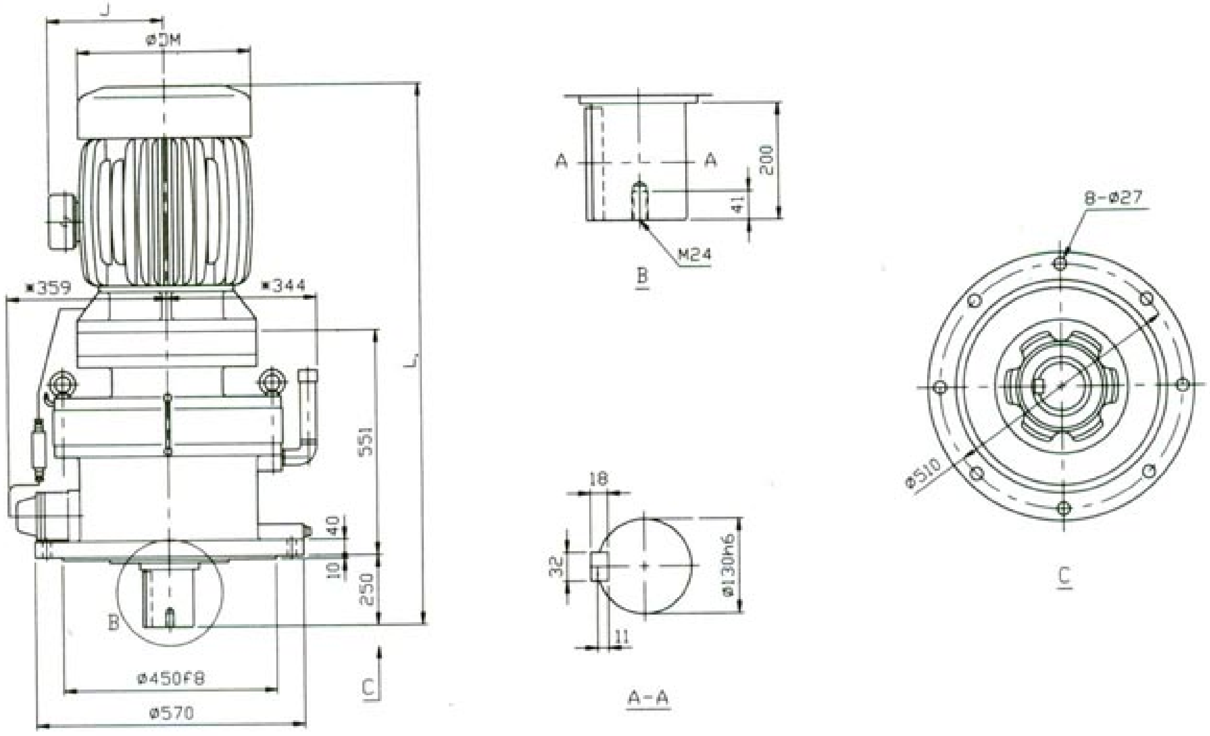
TDVM-623/16

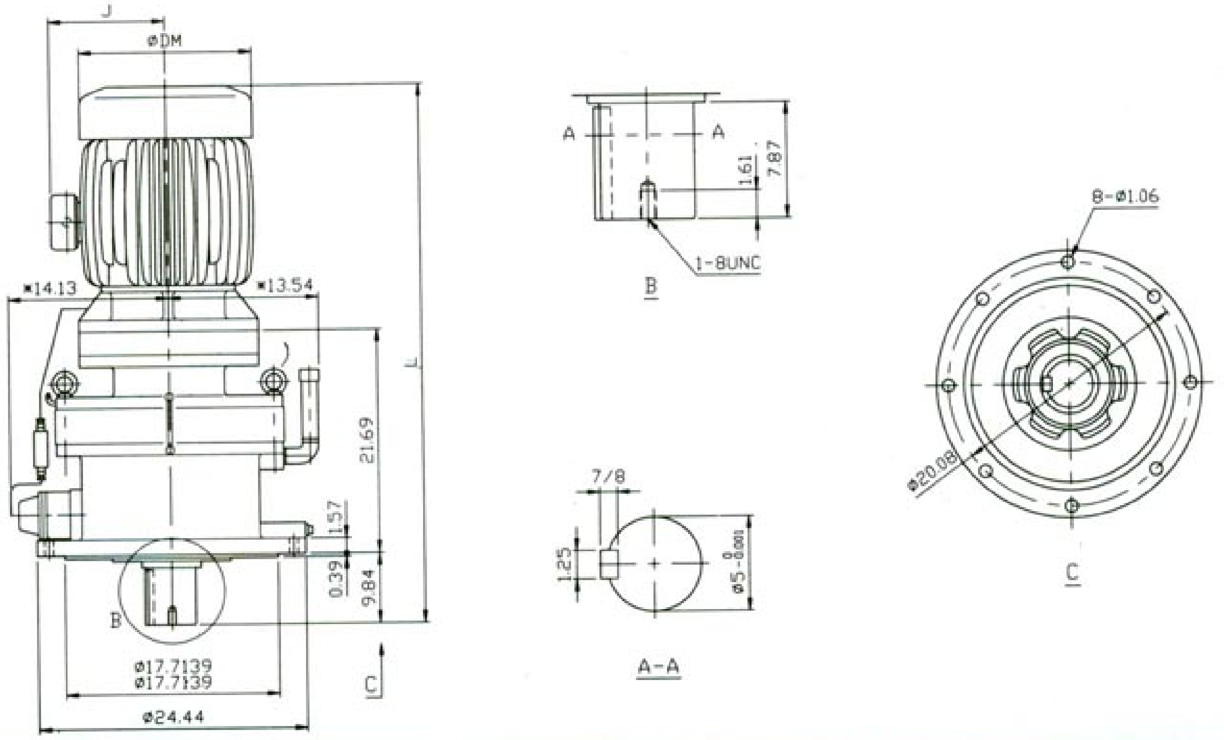




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
2.2	3	4	TDVM3-623/16	1092	173	219		526	42.99	6.81	8.26		1157
3.7	5	4	TDVM5-623/16	1111	182	238		548	43.74	7.17	9.37		1206
5.5	7.5	4	TDVM8-623/16	1145	219	273		556	45.08	8.62	10.75		1223
7.5	10	4	TDVM10-623/16	1183	219	273		569	46.57	8.62	10.75		1252
11	15	4	TDVM15-623/16	1270	256	334		603	50.00	10.08	13.15		1327
15	20	4	TDVM20-623/16	1314	256	334		622	51.73	10.08	13.15		1368

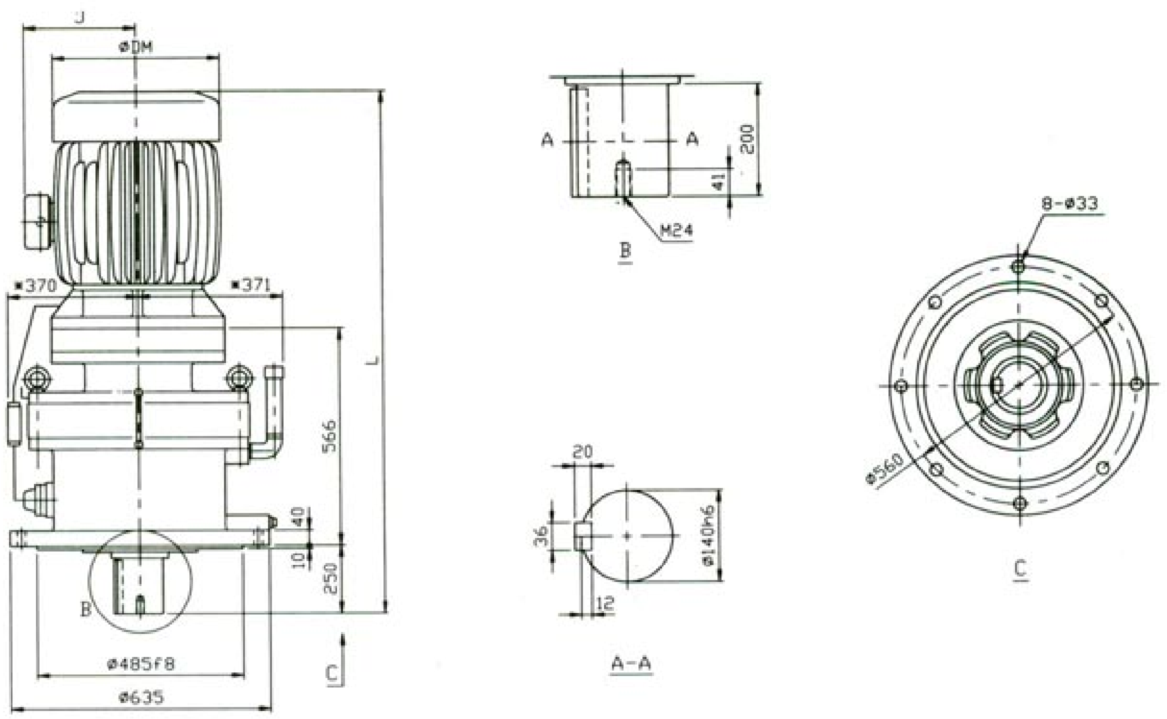
TDVM-623/18

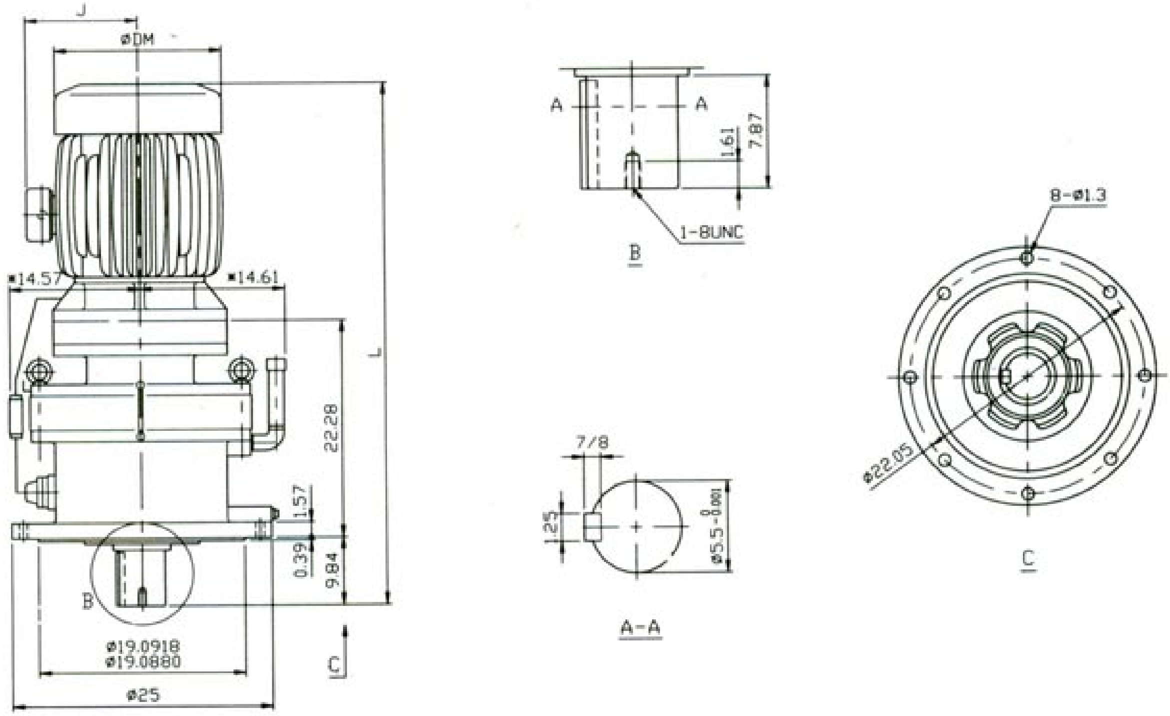




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
7.5	10	4	TDVM10-623/18	1226	224	273		572	48.27	8.82	10.75		1258
11	15	4	TDVM15-623/18	1294	256	334		656	50.94	10.08	13.15		1443
15	20	4	TDVM20-623/18	1338	256	334		661	52.68	10.08	13.15		1454
18.5	25	4	TDVM25-623/18	1361	305	382		723	53.58	12.01	15.04		1591
22	30	4	TDVM30-623/18	1361	305	382		723	53.58	12.01	15.04		1591

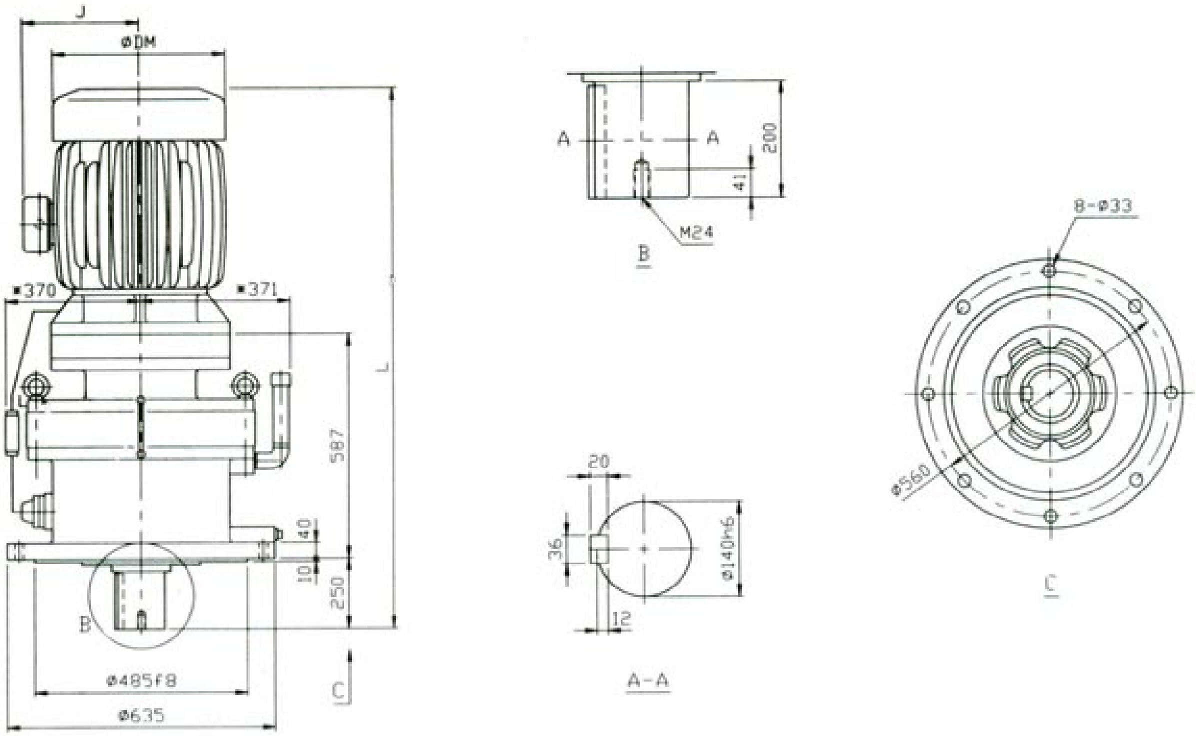
TDVM-624/16

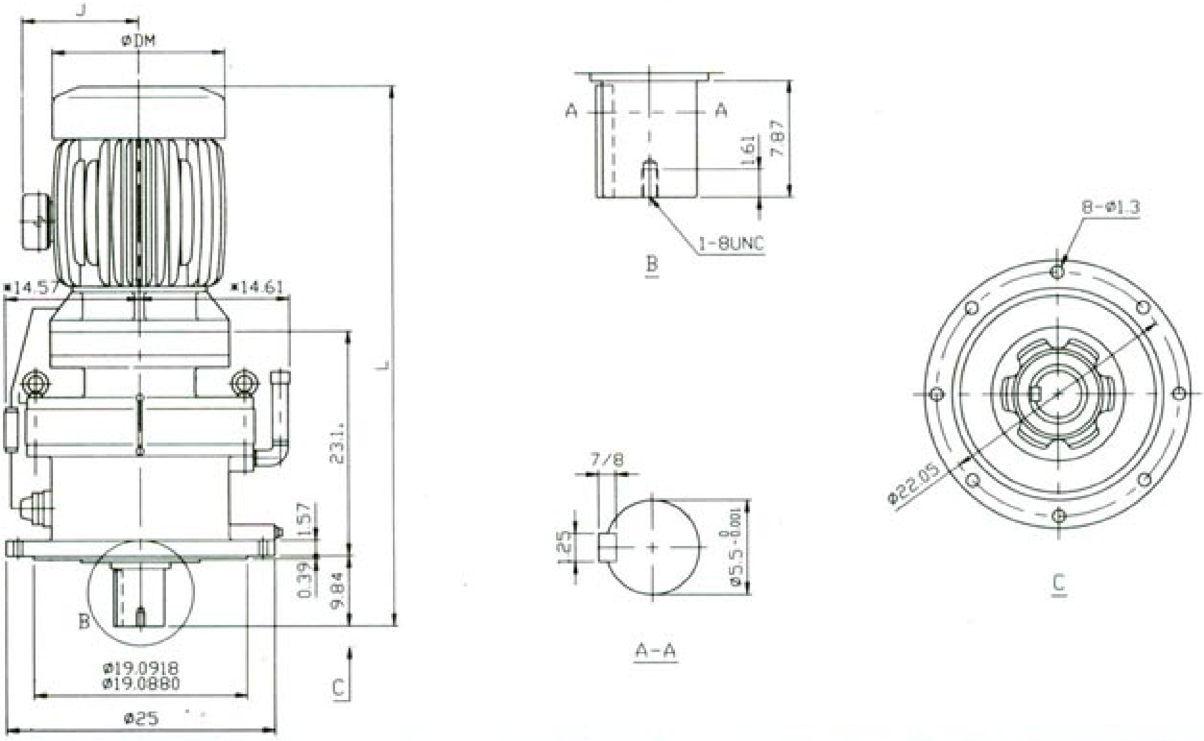




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
2.2	3	4	TDVM3-624/16	1130	173	219		622	44.49	6.81	8.26		1368
3.7	5	4	TDVM5-624/16	1149	183	236		634	45.24	7.17	9.37		1395
5.5	7.5	4	TDVM8-624/16	1183	219	273		650	46.57	8.62	10.75		1430
7.5	10	4	TDVM10-624/16	1221	219	273		665	48.07	8.62	10.75		1463
11	15	4	TDVM15-624/16	1308	256	334		697	51.50	10.08	13.15		1533
15	20	4	TDVM20-624/16	1352	256	334		716	53.23	10.08	13.15		1575

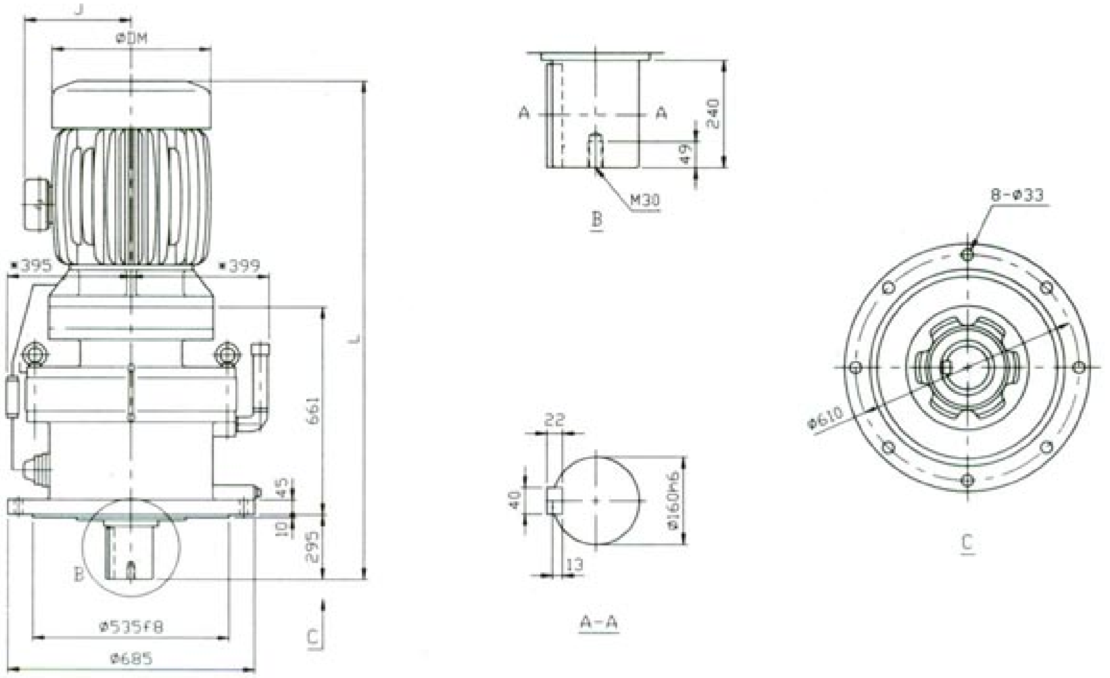
TDVM-624/18

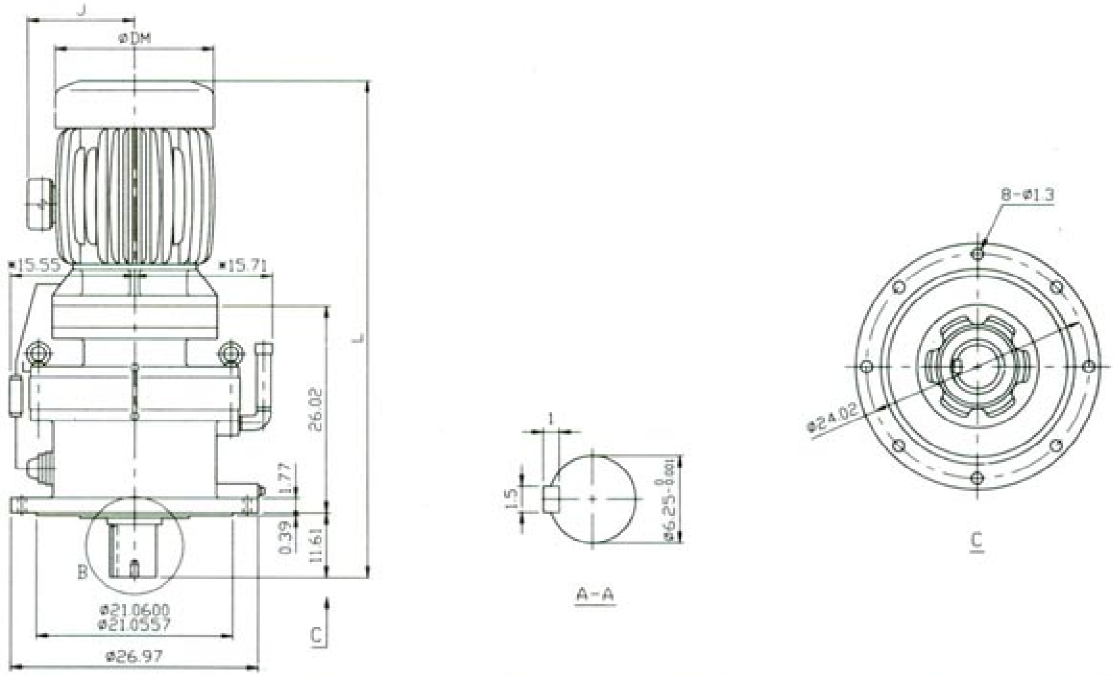




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
7.5	10	4	TDVM10-624/18	1263	224	273		655	49.72	8.82	10.75		1441
11	15	4	TDVM15-624/18	1331	256	334		688	52.40	10.06	13.15		1514
15	20	4	TDVM20-624/18	1375	256	334		748	54.13	10.08	13.15		1646
18.5	25	4	TDVM25-624/18	1398	305	382		812	55.04	12.01	15.04		1786
22	30	4	TDVM30-624/18	1398	305	382		812	55.04	12.01	15.04		1786

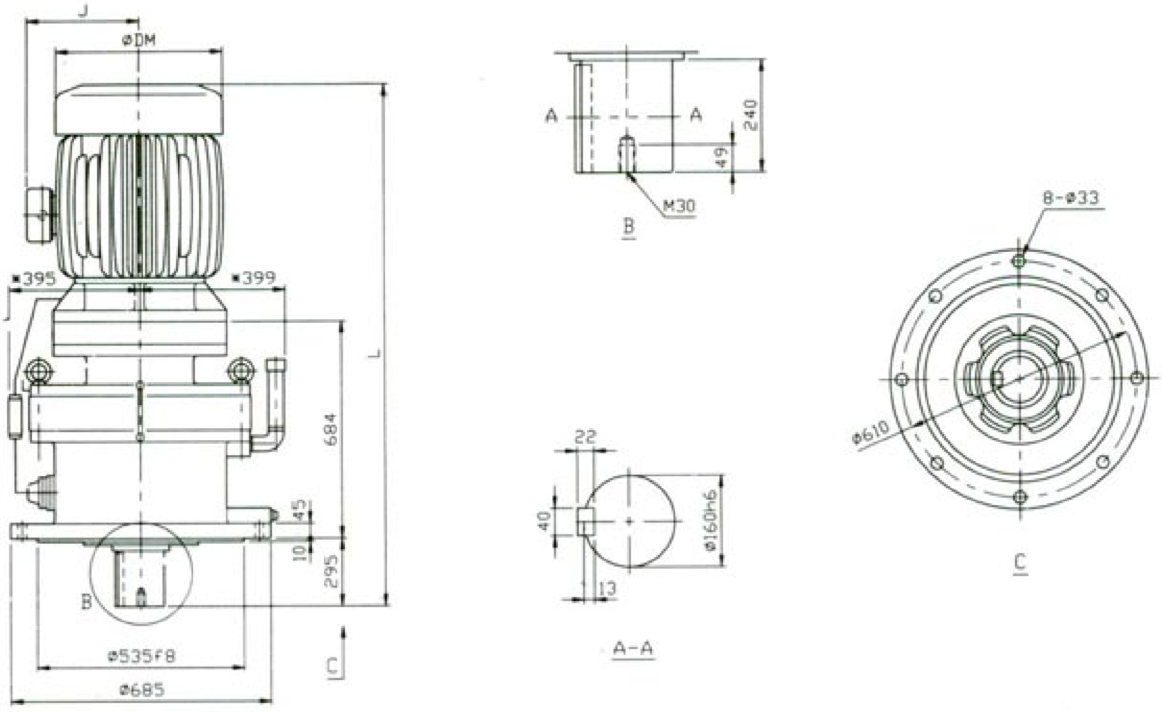
TDVM-625/17

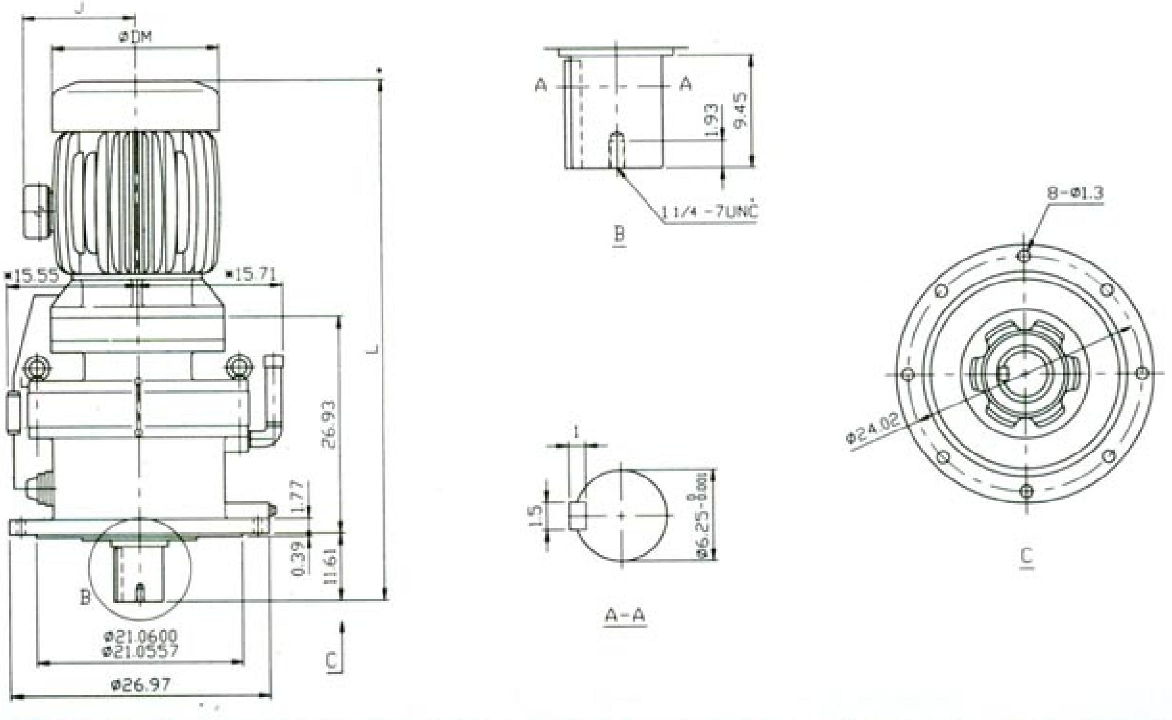




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
3.7	5	4	TDVM5-625/17	1301	182	238		968	51.22	7.17	9.37		2130
5.5	7.5	4	TDVM8-625/17	1335	218	273		984	52.56	8.58	10.75		2165
7.5	10	4	TDVM10-625/17	1373	218	273		993	54.06	8.58	10.75		2185
11	15	4	TDVM15-625/17	1448	256	334		1035	57.01	10.08	13.15		2277
15	20	4	TDVM20-625/17	1492	256	334		1041	58.74	10.08	13.15		2290
18.5	25	4	TDVM25-625/17	1517	305	382		1105	59.72	12.01	15.04		2431
22	30	4	TDVM30-625/27	1517	305	382		1105	59.72	12.01	15.04		2431

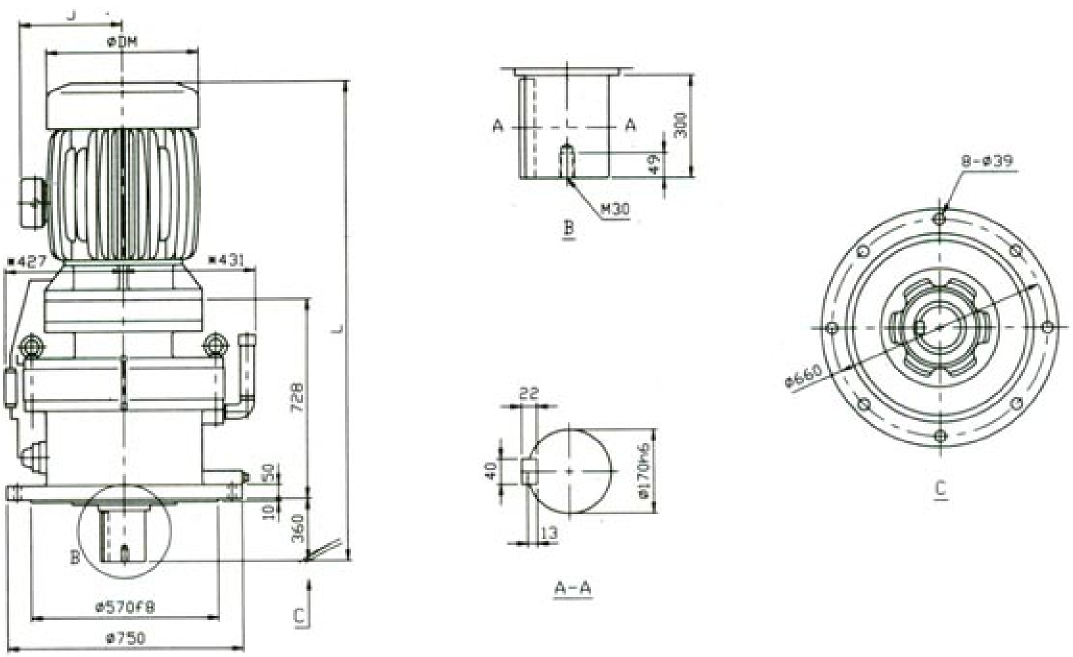
TDVM-625/19

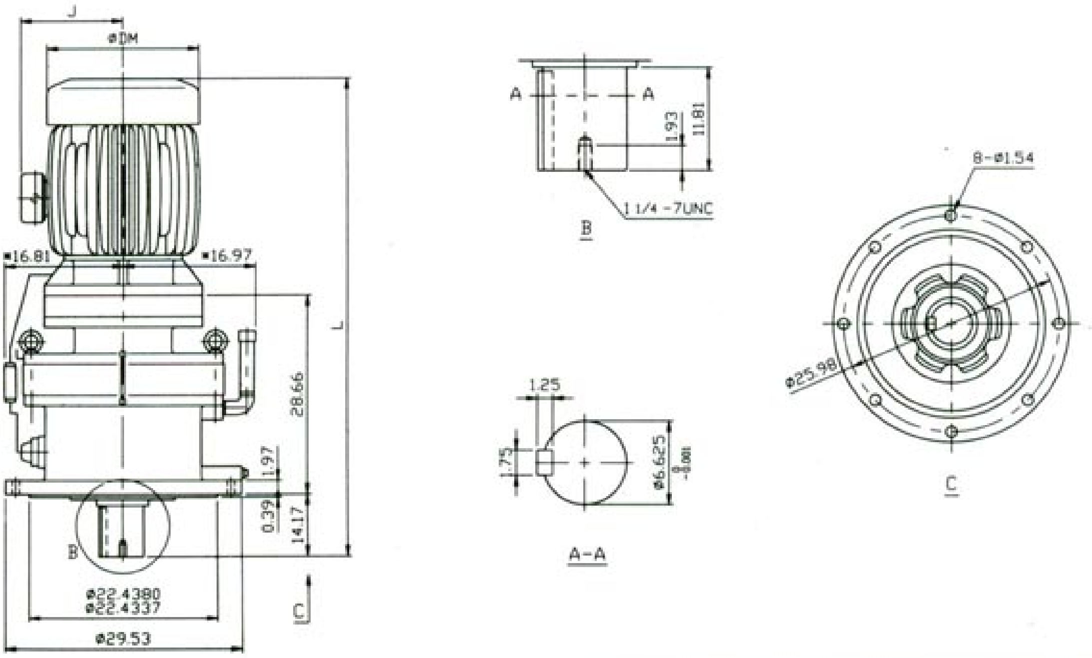




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
7.5	10	4	TDVM10-625/19	1401	224	273		1001	55.16	8.82	10.75		2202
11	15	4	TDVM15-625/19	1476	261	334		1057	58.11	10.28	13.15		2325
15	20	4	TDVM20-625/19	1520	261	334		1108	59.84	10.28	13.15		2438
18.5	25	4	TDVM25-625/19	1539	305	382		1181	60.59	12.01	15.04		2598
22	30	4	TDVM30-625/19	1539	305	382		1181	60.59	12.01	15.04		2598
30	40	4	TDVM40-625/19	1577	305	382		1195	62.09	12.01	15.04		2629

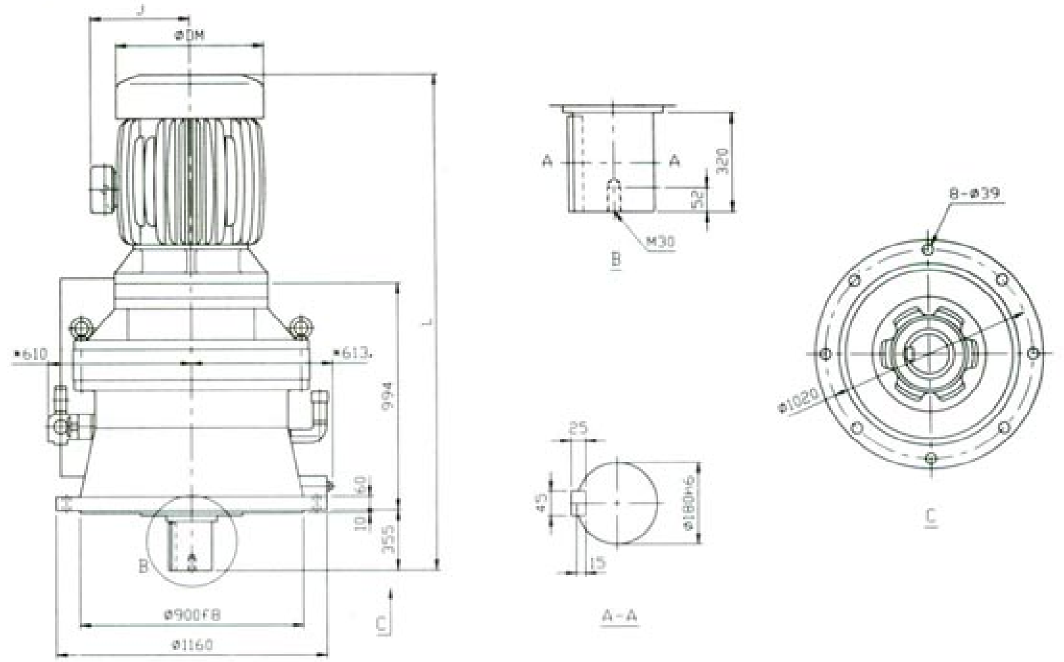
TDVM-626/19

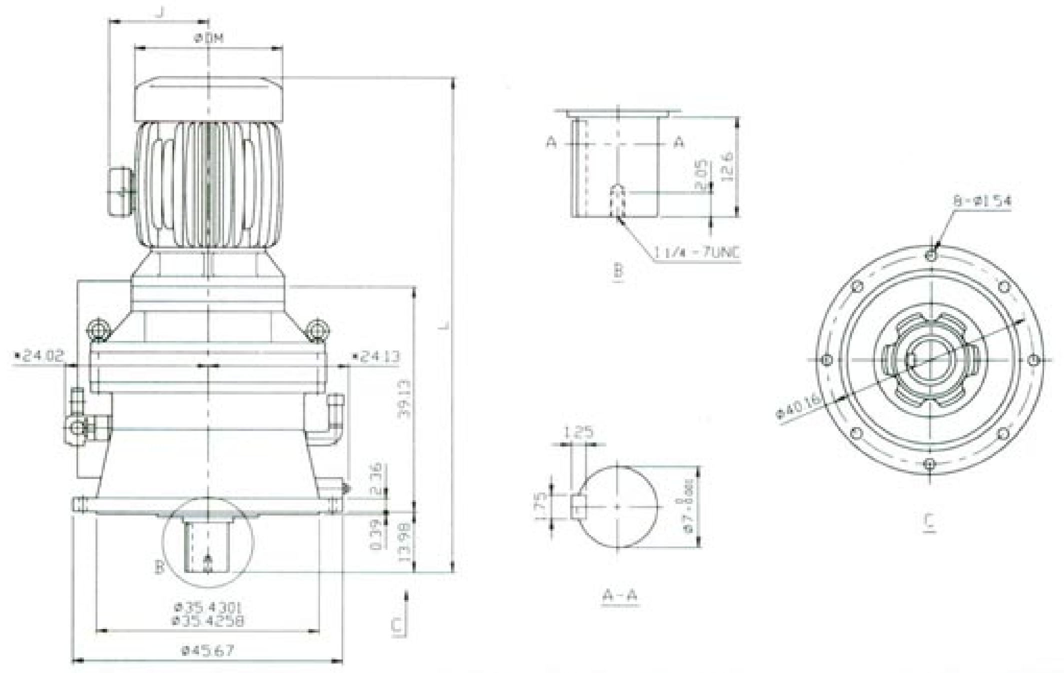




Motor			TRANSCYKO Model No.	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
5.5	7.5	4	TDVM8-626/19	1473	224	273		1181	57.99	8.82	10.75		2598
7.5	10	4	TDVM10-626/19	1511	224	273		1193	59.49	8.82	10.75		2625
11	15	4	TDVM15-626/19	1586	261	334		1324	62.44	10.28	13.15		2913
15	20	4	TDVM20-626/19	1630	261	334		1374	64.17	10.08	13.15		3023
18.5	25	4	TDVM25-626/19	1649	305	382		1451	64.92	12.01	15.04		3192
22	30	4	TDVM30-626/19	1649	305	382		1451	64.92	12.01	15.04		3192
30	40	4	TDVM40-626/19	1687	305	382		1465	66.42	12.01	15.04		3223
37	50	4	TDVM50-626/19	1750	339	420		1499	68.90	13.35	16.54		3298

TDVM-627/19

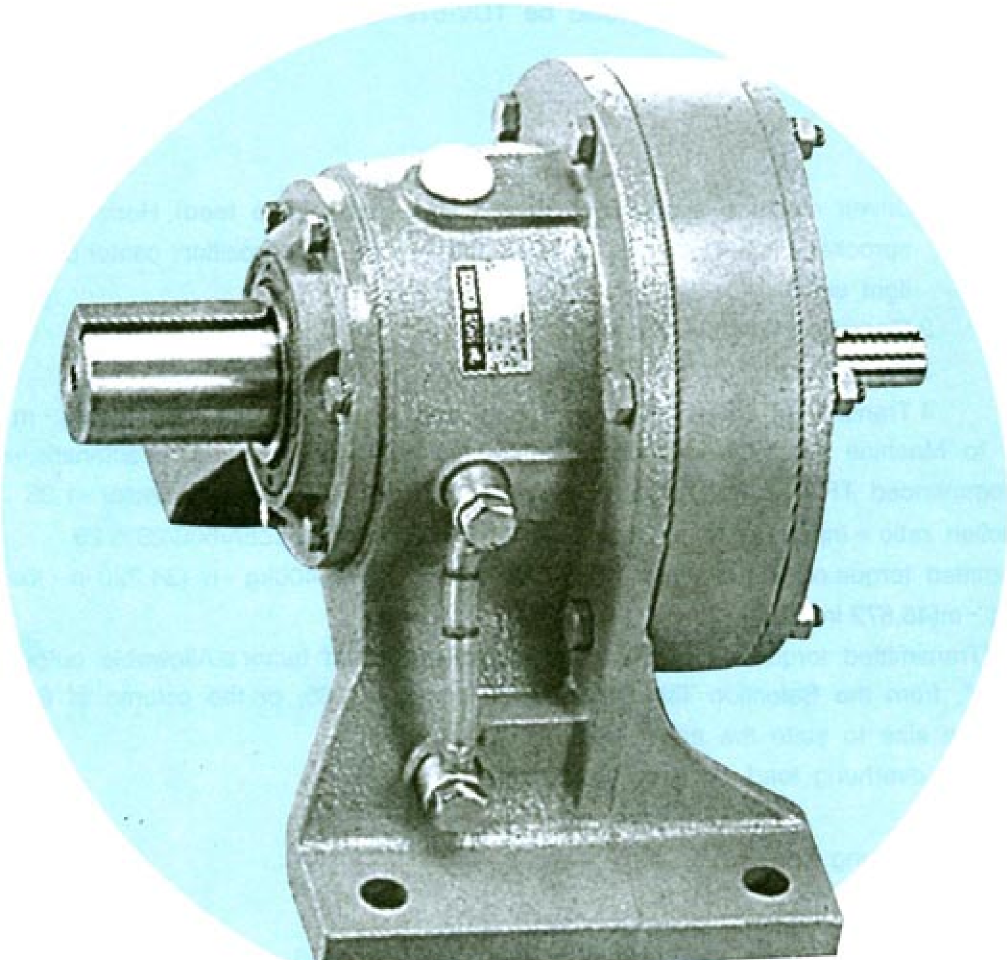




Motor			TRANSCYKO	Metric (mm, kg)					Inches (in, lbs)				
KW	HP	POLE	Model No.	L	J	DM	H	Weight	L	J	DM	H	Weight
5.5	7.5	4	TDVM8-627/19	1734	224	273		2681	68.27	8.82	10.75		2598
7.5	10	4	TDVM10-627/19	1772	224	273		2713	69.76	8.82	10.75		5969
11	15	4	TDVM15-627/19	1847	261	334		2740	72.72	10.28	13.15		6028
15	20	4	TDVM20-627/19	1891	261	334		2759	74.45	10.08	13.15		6070
18.5	25	4	TDVM25-627/19	1910	305	382		2834	75.20	12.01	15.04		6235
22	30	4	TDVM30-627/19	1910	305	382		2834	75.20	12.01	15.04		6235
30	40	4	TDVM40-627/19	1948	305	382		2850	76.69	12.01	15.04		6270
37	50	4	TDVM50-627/19	2011	339	420		2883	79.17	13.35	16.54		6343

SELECTION AND DIMENSIONS OF TRANSCYKO SPEED REDUCERS

- How To Select A Suitable TRANSCYKO Speed Reducer
- Selection Tables
- Dimension Pages



HOW TO SELECT A SUITABLE TRANSCYKO SPEED REDUCER

Example 1

Given Conditions: 1.Driven machine application: Mixer, shaft coupling, output shaft vertical down, V-flange mounting

2.Operation time: 10 hours/day

3.Input speed: 1,200R.P.M. Output R.P.M of reducer:28 R.P.M

4.Transmitted torque on slow speed shaft (output) of reducer = 450kg · m (39,060in · lbs)

Step 1: Refer to "Machine Load Classifications" determine the machine load Characteristic = M. Review the "Recommended TRANSCYKO Load Factors", table, determine the load factor=1.2

Step 2: Required ratio = Input R.P.M. of reducer/Output R.P.M. of reducer=1200/28 ≒43

Step 3: Transmitted torque on output shaft of reducer x load factor=450 kg · m (39,060/in · lbs) x 1.2=540 kg · m(46,872/in · lbs)

Step 4: Since "Transmitted torque on output shaft of reducer x load factor≦Allowable output Torque of reducer", from the Selection Table of ratio 43 on page 166, on the column of 1200 input R.P.M., the frame size to suite the above requirement is 619.

Step 5: The complete model designation would be TDV-619-43.

Example 2

Given Conditions: 1.Driven machine application: Chain Conveyor (Variable feed), Horizontal foot mounted, sprocket pitch circle radius R=0.15m, Radial load position: center of slow speed shaft, light shock.

2.Operation time: 24 hours/day

3.Input speed: 600 R.P.M., Output speed: 20 R.P.M.

4.Transmitted torque on slow speed shaft (Output) of reducer: 400 kg · m (34,720 in · lbs)

Step 1: Refer to "Machine Load Classifications", determine the machine load Characteristic = M. Review the "Recommended TRANSCYKO Load Factors" table, determine the load factor =1.35

Step 2: Reduction ratio = Input R.P.M. of reducer/Output R.P.M. of reducer=600/20 ≒29

Step 3: Transmitted torque on output shaft of reducer x load factor=400kg · m (34,720 in · lbs)x1.35= 540kg · m(46,872 in · lbs)

Step 4: Since "Transmitted torque on output shaft of reducer x load factor≦Allowable output Torque of reducer", from the Selection Table of ratio 29 on page 165, on the column of 600 input R.P.M., the frame size to suite the above requirement is 619.

Step 5: Check the overhung load on slow speed shaft

$$\text{Actual Overhung Load} = \frac{T\ell}{R} \leqq \frac{\text{Allowable Overhung Load}}{Lf \times Cf \times Fs}$$

$$\text{Actual Overhung Load} = \frac{400}{0.15} = 2667 \leqq \frac{5020}{1 \times 1 \times 1.2} = 4183$$

Frame size 619 is O.K.

Step 6: The complete model designation would be THH-619-29.

SELECTION TABLE FOR SINGLE STAGE REDUCERS
(Allowable Transmission Input - Output Capacity)

Ratio	6

Input Speed (R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed (R.P.M.)	300		250		200		167		150		125		100		8.3 and Below		
Frame Size	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
608	0.42 / 0.56	1.25 / 108	0.40 / 0.54	1.43 / 124	0.36 / 0.48	1.61 / 140	0.33 / 0.44	1.79 / 156	0.31 / 0.42	1.85 / 161	0.27 / 0.36	1.95 / 169	0.22 / 0.30	2.00 / 178	2 / 178	180	209
609	1.34 / 1.80	4.05 / 352	1.33 / 1.78	4.80 / 417	1.13 / 1.52	3.10 / 443	1.00 / 1.34	5.40 / 469	0.94 / 1.26	5.65 / 491	0.83 / 1.11	5.98 / 520	0.71 / 0.95	6.40 / 556	7 / 608	181	210
610	2.26 / 3.03	6.81 / 592	2.21 / 2.96	8.0 / 695	1.86 / 2.49	8.4 / 730	1.73 / 2.32	9.4 / 816	1.69 / 2.27	10.2 / 886	1.52 / 2.04	11.1 / 964	1.33 / 1.78	12.0 / 1043	15 / 1304	181	210
611	4.88 / 6.54	14.7 / 1277	4.96 / 6.65	17.9 / 1556	4.25 / 5.70	19.2 / 1668	3.78 / 5.07	20.5 / 1781	3.50 / 4.69	21.1 / 1834	3.09 / 4.14	22.3 / 1938	2.69 / 3.61	24.3 / 2112	30 / 2607	182	211
612	6.78 / 9.09	20.1 / 1747	6.62 / 8.88	23.9 / 2077	5.85 / 7.84	26.4 / 2294	5.13 / 6.88	27.8 / 2416	4.73 / 6.34	28.5 / 2477	4.04 / 5.42	29.2 / 2537	3.30 / 4.92	29.8 / 2590	30 / 2607	182	211
613	9.97 / 13.4	30.0 / 2607	9.97 / 13.4	36.0 / 3128	8.64 / 11.6	39.0 / 3389	7.59 / 10.2	41.1 / 3572	6.98 / 9.36	42.0 / 3650	6.19 / 8.30	44.7 / 3884	5.32 / 7.13	48.0 / 4171	61 / 5301	183	212
615	13.0 / 17.4	39.1 / 3398	13.0 / 17.4	46.8 / 4067	11.2 / 15.0	50.6 / 4397	9.97 / 13.4	54.0 / 4693	9.22 / 12.4	55.5 / 4823	8.25 / 11.1	59.6 / 5179	6.73 / 9.02	60.8 / 5284	61 / 5301	184	213
616	14.6 / 19.6	43.9 / 3810	14.6 / 19.6	52.7 / 4574	12.5 / 16.8	56.3 / 4887	11.0 / 14.8	59.5 / 5165	10.2 / 13.7	61.4 / 5330	9.00 / 12.1	64.8 / 5625	7.70 / 10.3	69.3 / 6015	70 / 6076	184	213
617	22.5 / 30.2	67.6 / 5868	21.4 / 28.9	77.2 / 6701	18.4 / 24.7	82.6 / 7170	16.1 / 21.6	87.2 / 7569	15.0 / 20.1	90.0 / 7812	13.2 / 17.7	95.1 / 8255	11.3 / 15.2	102 / 8854	110 / 9548	185	214

Ratio	8

Input Speed (R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed (R.P.M.)	225		188		150		125		113		94		75		6.3 and Below		
Frame Size	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
608	0.42 / 0.54	1.62 / 141	0.42 / 0.54	1.93 / 168	0.39 / 0.52	2.34 / 203	0.37 / 0.50	2.69 / 233	0.34 / 1.80	2.77 / 240	0.30 / 0.40	2.92 / 253	0.26 / 0.35	3.15 / 273	4 / 348	180	209
609	1.34 / 1.80	5.40 / 469	1.35 / 1.81	6.49 / 563	1.16 / 1.56	6.98 / 606	1.02 / 1.37	7.38 / 640	0.95 / 1.27	7.60 / 660	0.83 / 1.11	8.04 / 698	0.72 / 0.96	8.63 / 749	11 / 956	181	210
610	2.76 / 3.70	11.1 / 963	2.72 / 3.65	13.1 / 1137	2.32 / 3.11	14.0 / 1215	2.08 / 2.79	15.0 / 1302	1.91 / 2.56	15.3 / 1328	1.71 / 2.29	16.5 / 1432	1.45 / 1.94	17.5 / 1519	21 / 1823	181	210
611	5.01 / 6.72	20.1 / 1745	5.02 / 6.73	24.2 / 2100	4.30 / 5.77	25.9 / 2248	3.76 / 5.04	27.2 / 2361	3.52 / 4.72	28.3 / 2456	3.10 / 4.16	29.9 / 2595	2.64 / 3.54	31.8 / 2760	41 / 3559	182	211
612	6.78 / 9.09	27.2 / 2361	6.83 / 9.16	32.9 / 2856	5.83 / 7.82	35.1 / 3047	5.12 / 6.87	37.0 / 3212	4.81 / 6.45	38.6 / 3350	4.22 / 5.66	40.6 / 3524	3.39 / 4.54	40.8 / 3541	41 / 3559	182	211
613	10.0 / 13.4	40.2 / 3489	10.0 / 13.4	48.2 / 4184	8.65 / 11.6	52.1 / 4522	7.66 / 10.3	55.3 / 4800	7.01 / 9.40	56.3 / 4887	6.35 / 8.52	61.2 / 5312	5.40 / 7.24	65.0 / 5642	77 / 6684	183	212
615	12.9 / 17.3	51.9 / 4505	13.0 / 17.4	62.7 / 5442	10.9 / 14.6	65.8 / 5711	9.79 / 13.1	70.7 / 6137	9.08 / 12.2	72.9 / 6328	8.00 / 10.7	77.0 / 684	6.81 / 9.13	82.0 / 7188	82 / 7118	184	213
616	17.9 / 24.0	71.8 / 6232	17.8 / 23.9	85.7 / 7439	16.9 / 22.7	102 / 8854	15.1 / 20.2	109 / 9461	13.9 / 18.6	112 / 9722	12.4 / 16.6	120 / 10416	10.5 / 14.1	127 / 11024	153 / 13280	184	213

Ratio	11

Input Speed (R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed (R.P.M.)	164		136		109		91		82		68		55		4.5 and Below		
Frame Size	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
607	0.24 / 0.32	1.32 / 115	0.24 / 0.32	1.61 / 140	0.21 / 0.28	1.72 / 149	0.18 / 0.24	1.80 / 156	0.17 / 0.23	1.88 / 163	0.15 / 0.20	1.98 / 172	0.13 / 0.17	2.10 / 182	2.5 / 217	180	209
608	0.40 / 0.54	2.20 / 191	0.40 / 0.54	2.64 / 229	0.40 / 0.54	3.27 / 284	0.37 / 0.50	3.72 / 323	0.34 / 0.46	3.80 / 330	0.30 / 0.40	4.00 / 347	0.25 / 0.34	4.16 / 361	5.1 / 443	180	209
609	1.21 / 1.62	6.70 / 582	1.22 / 1.64	8.10 / 703	1.04 / 1.39	8.65 / 751	0.92 / 1.23	9.14 / 793	0.83 / 1.15	9.46 / 821	0.75 / 1.00	9.97 / 865	0.64 / 0.86	10.6 / 920	11 / 955	181	210
610	2.70 / 3.62	14.9 / 1293	2.72 / 3.65	18.0 / 1562	2.32 / 3.11	19.2 / 1666	2.05 / 2.75	20.4 / 1771	1.88 / 2.52	20.8 / 1805	1.57 / 2.10	20.8 / 1805	1.26 / 1.69	20.9 / 1814	21 / 1823	181	210
611	4.98 / 6.68	27.5 / 2387	5.03 / 6.74	33.3 / 28.90	4.26 / 5.70	35.3 / 3064	3.76 / 5.04	37.4 / 3246	3.57 / 4.79	39.4 / 3420	3.13 / 4.20	41.5 / 3602	2.69 / 3.61	44.6 / 3871	51 / 4427	182	211
612	4.96 / 6.65	27.4 / 2378	5.07 / 6.80	33.6 / 2916	4.34 / 5.82	35.9 / 3116	3.78 / 5.07	37.6 / 3264	3.59 / 4.81	39.6 / 3437	3.16 / 4.24	41.9 / 3637	2.72 / 3.65	45.0 / 3906	51 / 4427	182	211
613	9.77 / 13.1	53.9 / 4678	9.69 / 13.0	64.2 / 5572	8.40 / 11.3	69.5 / 6033	7.37 / 9.88	73.2 / 6354	6.82 / 9.14	75.3 / 6536	5.78 / 7.75	76.6 / 6649	4.64 / 6.22	76.8 / 6666	77 / 6684	183	212
614	9.93 / 13.3	54.8 / 4757	9.84 / 13.2	65.2 / 5659	8.50 / 11.4	70.4 / 6110	7.50 / 10.0	74.5 / 6467	7.02 / 9.41	77.5 / 6727	6.15 / 8.25	81.4 / 7066	5.31 / 7.12	87.9 / 7630	103 / 8940	183	212
615	12.9 / 17.3	71.2 / 6180	13.0 / 17.4	85.9 / 7456	11.1 / 14.9	92.1 / 7994	9.70 / 13.0	96.4 / 8368	8.90 / 11.9	98.2 / 8524	7.70 / 10.3	102 / 8854	6.16 / 8.26	102 / 8854	103 / 8940	184	213
616	17.8 / 23.5	98.5 / 8550	18.1 / 24.3	120 / 10416	17.2 / 23.1	142 / 12326	14.9 / 20.0	148 / 12846	13.5 / 18.1	149 / 12933	11.2 / 15.0	149 / 12933	9.06 / 12.1	150 / 13020	150 / 13020	184	213
617	26.8 / 35.9	148 / 12846	27.0 / 36.2	179 / 15537	22.6 / 30.3	187 / 16232	19.5 / 26.2	194 / 16839	18.5 / 24.8	204 / 17707	16.2 / 21.7	214 / 18575	13.9 / 18.6	230 / 19964	255 / 22134	185	214
618	32.4 / 43.4	179 / 15537	32.3 / 43.3	214 / 18575	33.0 / 44.2	273 / 23696	29.2 / 39.2	290 / 25172	27.4 / 36.7	302 / 26214	23.7 / 31.8	314 / 27255	20.2 / 27.1	335 / 29078	335 / 29078	185	214
619	43.3 / 58.1	239 / 20745	43.3 / 58.1	287 / 245912	39.7 / 53.2	329 / 28557	35.2 / 47.2	350 / 30380	32.6 / 43.7	360 / 31248	28.8 / 38.6	382 / 33158	24.8 / 33.2	410 / 35588	570 / 49476	186	215
620	57.8 / 77.5	319 / 27689	57.7 / 77.4	282 / 33158	52.4 / 70.3	434 / 37671	46.9 / 62.9	466 / 40449	44.1 / 59.1	487 / 42272	38.6 / 51.8	512 / 44442	32.3 / 43.3	535 / 46438	570 / 49476	186	215

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	164		136		109		91		82		68		55		4.5 and Below		
Frame Size	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
621	69.6 93.3	384 33331	69.8 93.6	462 40102	67.6 90.6	560 48608	61.5 82.5	611 53035	57.9 77.6	639 55465	52.1 69.9	690 59892	43.4 58.2	718 62322	730 63364	187	216
622	96.0 129	530 46004	96.5 129	639 55465	86.6 1209	742 64406	80.5 108	800 69440	75.6 101	835 72478	68.0 91.2	901 78207	58.2 78.0	964 83675	970 84196	187	216
623					2.3 124	764 66315	92.7 124	921 79943	92.4 124	1020 88536	80.2 108	1062 92182	68.8 92.3	1139 98865	1140 98952	188	217
624					117 157	969 84109	117 157	1159 100601	117 157	1295 112406	104 139	1372 119090	87.0 117	1440 12499	1440 124992	188	217
625					141 189	1168 101382	141 189	1399 121433	142 190	1562 135582	138 185	1829 158757	110 148	1830 158844	1380 158844	189	218
626					166 223	1375 119350	167 224	1658 143914	168 225	1855 161014	169 227	2234 193911	142 190	2350 203980	2350 203980	189	218

Ratio	13

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	138		115		92		77		69		58		46		3.8 and Below		
Frame Size	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
607	0.24 0.32	1.60 139	0.24 0.32	1.88 163	0.20 0.27	1.98 172	0.18 0.24	2.10 182	0.16 0.21	2.16 187	0.15 0.20	2.30 200	0.12 0.16	2.46 214	2.5 217	180	209
608	0.40 0.54	2.60 226	0.40 0.54	3.12 271	0.39 0.52	3.79 329	0.36 0.48	4.29 372	0.34 0.46	4.42 384	0.30 0.40	4.70 408	0.26 0.35	5.01 435	5.1 443	180	209
609	1.20 1.61	7.81 678	1.20 1.61	9.42 818	1.03 1.38	10.1 877	0.89 1.19	10.5 911	0.84 1.13	10.9 946	0.70 0.94	10.9 946	0.56 0.75	11.0 955	11 955	181	210
610	2.64 3.54	17.2 1493	2.66 3.57	20.8 1805	2.13 2.86	20.8 1850	1.77 2.37	20.8 1805	1.59 2.13	20.8 1805	1.33 1.78	20.8 1805	1.07 1.43	21.0 1823	21 1823	181	210
611	4.98 6.52	31.7 2752	4.88 6.54	38.2 3316	4.19 5.62	41.0 3559	3.67 4.92	43.1 3741	3.37 4.52	44.0 3819	3.00 4.02	4609 4071	2.56 3.43	50.2 4357	51 4427	182	211
612	5.00 6.70	32.6 2830	5.00 6.70	39.1 3394	4.30 5.77	42.1 3654	3.82 5.12	44.8 3889	3.54 4.75	46.2 4010	3.06 4.10	47.9 4158	2.58 3.46	50.5 4383	51 4427	182	211
613	9.25 12.4	60.3 5234	9.21 12.4	72.1 6258	7.84 10.5	76.7 6658	6.54 8.77	76.8 6666	5.90 7.91	77.0 6684	4.92 6.60	77.0 6684	3.94 5.28	77.0 6684	77 6684	183	212
614	9.74 13.1	63.5 5512	9.72 13.0	76.1 6605	8.29 11.1	81.1 7039	7.38 9.90	86.7 7526	6.94 9.31	90.5 7855	6.02 8.07	94.3 8185	5.11 6.85	100 8680	103 8940	183	212
615	10.2 13.7	66.2 5746	10.3 13.8	80.6 6996	8.72 11.7	85.3 7404	7.66 10.3	89.9 7803	7.06 9.47	92.1 7994	6.16 8.26	96.5 8376	5.26 7.05	103 8940	103 8940	184	213
616	17.0 22.8	111 9635	17.0 22.8	133 11544	14.6 19.6	143 12412	12.9 17.3	152 13194	11.9 16.0	155 13454	10.5 14.1	165 14322	9.05 12.1	177 15364	183 15884	184	213
617	26.8 35.9	175 15190	26.7 35.8	209 18141	22.6 30.3	221 19183	20.4 27.4	239 20745	18.8 25.2	245 21266	16.6 22.3	260 22568	14.2 19.0	278 24130	278 24130	185	214
618	33.0 44.2	215 18662	33.1 44.4	259 22481	31.6 42.4	309 26821	27.9 37.4	328 28470	26.0 34.9	339 29425	22.9 30.7	358 31074	319.5 26.2	382 33158	400 34720	185	214
619	42.3 56.7	276 23957	49.9 53.5	312 27082	38.6 51.8	378 32810	34.1 45.7	400 34720	31.5 42.2	411 35675	27.8 37.3	436 37845	23.8 31.9	466 40449	690 59892	186	215

Ratio	15

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	120		100		80		67		60		50		40		3.3 and Below		
Frame Size	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Input kW HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
607	0.24 0.32	1.77 154	0.24 0.32	2.14 186	0.20 0.27	2.32 201	0.18 0.24	2.44 212	0.17 0.23	2.50 217	0.14 0.19	2.50 217	0.11 0.15	2.50 217	2.5 217	180	209
608	0.40 0.54	3.00 260	0.40 0.54	3.60 312	0.39 0.52	4.40 382	0.37 0.50	4.99 433	0.34 0.46	5.10 443	0.28 0.38	5.10 443	0.23 0.31	5.10 443	5.1 443	180	209
609	1.04 1.39	7.80 677	1.05 1.41	9.51 825	0.90 1.21	10.2 885	0.80 1.07	10.9 946	0.76 0.99	11.2 972	0.66 0.88	11.9 1033	0.66 0.88	12.0 1042	11 955	181	210
610	2.72 3.65	20.5 1779	2.74 3.67	24.7 2144	2.30 3.08	26.0 2257	1.92 2.57	26.0 2257	1.73 2.32	26.0 2257	1.44 1.93	26.0 2257	1.15 1.54	26.0 2257	21 1823	181	210
611	4.82 6.46	36.3 3151	4.84 6.49	43.7 3793	4.16 5.58	46.9 4071	3.66 4.91	49.6 4305	3.39 4.55	51.0 4427	2.82 3.78	51.0 4427	2.26 3.03	51.0 4427	51 4427	182	211
612	4.94 6.62	37.2 3229	4.95 6.64	44.7 3880	4.26 5.71	48.1 4175	3.76 5.04	50.9 4418	3.39 4.55	51.0 4427	2.82 3.78	51.0 4427	2.26 3.03	51.0 4427	51 4427	182	211
613	7.60 10.2	57.2 4965	7.64 10.2	69.0 5989	6.56 8.80	74.1 6432	5.68 7.62	77.0 6684	5.12 6.87	77.0 6684	4.26 5.71	77.0 6684	3.41 4.57	77.0 6684	77 6684	183	212
614	9.16 12.3	68.9 5980	9.14 12.2	82.5 7161	7.86 10.5	88.7 7699	6.93 9.29	93.8 8142	6.49 8.70	97.7 8480	5.70 7.64	103 8940	4.56 6.12	103 8940	103 8940	183	212
615	9.87 13.2	74.3 6449	9.91 13.3	89.5 7769	8.52 11.4	96.2 8350	7.53 10.1	102 8854	6.84 9.17	103 8940	5.70 7.64	103 8940	4.56 6.12	103 8940	103 8940	184	213
616	15.0 20.1	113 9808	15.0 20.1	135 11718	12.8 17.2	144 12499	11.2 15.0	152 13194	10.4 13.9	157 13628	9.30 12.5	168 14582	7.84 10.5	177 15364	183 15884	184	213
617	22.8 30.6	172 14930	22.9 30.7	207 17968	19.6 26.3	221 19183	17.3 23.2	234 20311	16.0 21.4	241 20919	14.1 18.9	255 22134	12.1 16.2	273 23964	278 24130	185	214
618	30.0 40.2	226 19617	30.3 40.6	273 23696	23.7 31.8	297 23346	22.8 30.6	209 26821	21.3 28.6	2.20 27766	18.7 25.1	338 29338	16.0 21.4	362 31422	400 34720	185	214
619	42.5 57.0	320 27776	42.6 57.1	385 33418	38.5 51.6	435 37758	34.0 45.6	461 40015	31.6 42.4	475 41230	28.0 37.5	505 43834	23.9 32.0	539 46785	690 59892	186	215
620	58.1 77.9	437 37932	58.1 77.9	525 45570	51.9 69.6	586 50865	45.9 61.6	622 53990	42.8 57.4	64.4 55899	37.8 50.7	682 59198	30.8 41.3	695 60326	695 60326	186	215

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	120		100		80		67		60		50		40		4.5 and Below		
Frame Size	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Output Torque kg-m / in-lb	H	V
621	71.0 95.2	534 46351	71.3 95.6	644 55899	65.6 88.0	740 64232	858.0 77.8	786 68225	54.1 72.6	814 70655	47.6 63.8	860 74648	38.1 51.1	860 74648	860 74648	187	216
622	90.0 121	677 58764	90.2 121	815 70742	81.9 110	925 80290	72.3 97.0	979 84977	67.0 90.0	1009 87581	58.9 79.0	1065 92442	50.4 67.6	1065 92442	1140 98952	187	216
623					92.6 124	1045 90706	92.8 124	1257 109108	88.6 119	1334 115791	78.1 105	1410 124992	63.8 85.6	1410 124992	1440 124992	188	217
624					114 153	1284 11451	122 164	1647 142960	111 149	1665 144522	97.4 131	1760 152768	81.1 109	1760 152768	1830 158844	188	217
625					138 185	1560 135408	139 186	1887 163792	137 184	2057 178548	119 160	2155 187054	100 134	2155 187054	2350 203980	189	218
626					168 225	1901 165007	170 228	2300 199640	170 228	2555 221774	162 217	2925 253890	135 181	2925 253890	3050 264740	189	218

Ratio	17

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	106		88		71		59		53		44		35		2.9 and Below		
Frame Size	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Output Torque kg-m / in-lb	H	V
607	0.24 0.32	2.02 175	0.24 0.32	2.45 213	0.20 0.27	2.50 217	0.16 0.21	2.50 217	0.15 0.20	2.50 217	0.12 0.16	2.50 217	0.10 0.13	2.50 217	2.5 217	180	209
608	0.40 0.54	3.40 295	0.40 0.54	4.08 354	0.39 0.52	5.02 436	0.33 0.44	5.10 443	0.30 0.40	5.10 443	0.25 0.34	5.10 443	0.20 0.27	5.10 443	5.1 443	180	209
609	1.09 1.46	9.29 806	1.07 1.43	11.0 955	0.93 1.25	11.9 1033	0.81 1.09	12.5 1085	0.76 1.02	13.0 1128	0.64 0.86	13.0 1128	0.51 0.68	13.0 1128	13 1128	181	210
610	2.05 2.75	17.5 1519	2.09 2.80	21.4 1858	1.79 2.40	22.9 1988	1.58 2.12	24.2 2100	1.48 1.98	25.3 2196	1.27 1.70	26.0 2257	1.02 1.37	26.0 2257	26 2257	181	210
611	4.60 6.17	39.2 3402	4.68 6.28	47.9 4158	3.99 5.35	51.0 4427	3.32 4.45	51.0 4427	2.99 4.01	51.0 4427	2.49 3.34	51.0 4427	1.99 2.67	51.0 4427	51 4427	182	211
612	4.97 6.66	42.4 3680	4.98 6.68	51.0 4427	3.99 5.35	51.0 4427	3.32 4.45	51.0 4427	2.99 4.01	51.0 4427	2.49 3.34	51.0 4427	1.99 2.67	51.0 4427	51 4427	182	211
613	7.06 9.47	60.2 5225	7.04 9.44	72.1 6258	6.00 8.05	76.8 6666	5.02 6.73	77.0 6684	4.51 6.05	77.0 6684	3.76 5.04	77.0 6684	3.01 4.04	77.0 6684	77 6684	183	212
614	9.03 12.1	77.0 6684	9.06 12.1	92.7 8046	7.82 10.5	100 8680	6.71 9.00	103 8940	6.04 8.10	103 8940	5.03 6.74	103 8940	4.02 5.39	103 8940	103 8940	183	212
615	9.04 12.1	77.1 6192	9.07 12.2	92.8 8055	7.82 10.5	100 8680	6.71 9.00	103 8940	6.04 8.10	103 8940	5.03 6.74	103 8940	4.02 5.39	103 8940	103 8940	184	213
616	14.9 20.0	127 11024	15.0 20.1	154 13367	12.8 17.2	164 14235	11.4 15.3	175 15190	10.6 14.2	180 15624	8.94 12.0	183 15884	7.15 9.59	183 15884	183 15884	184	213
617	19.3 25.9	165 14322	19.3 25.9	198 17186	16.6 22.3	212 18402	14.6 19.6	225 19530	13.5 18.1	231 20051	12.0 16.1	245 21266	10.3 13.8	264 22915	278 24130	185	214
618	29.8 40.0	254 22047	30.0 40.2	307 26648	25.5 34.2	326 28297	22.6 30.3	347 30120	20.9 28.0	357 30988	18.5 24.8	378 32810	15.8 21.2	405 35154	410 35588	185	214
619	42.7 57.3	364 31595	42.9 57.5	439 38105	38.8 52.0	497 43140	34.1 45.7	523 45396	31.6 42.4	540 46872	27.9 37.4	571 49563	23.9 32.0	611 53035	710 61628	186	215

Ratio	21

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	86		71		57		48		43		36		29		2.4 and Below		
Frame Size	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Input kw HP	Output Torque kg-m / in-lb	Output Torque kg-m / in-lb	H	V
607	0.20 0.27	2.06 179	0.20 0.27	2.50 217	0.16 0.21	2.50 217	0.13 0.17	2.50 217	0.12 0.16	2.50 217	0.10 0.13	2.50 217	0.08 0.11	2.50 217	2.5 217	180	209
608	0.40 0.54	4.20 364	0.40 0.54	5.04 437	0.32 0.43	5.10 443	0.27 0.36	5.10 443	0.24 0.32	5.10 443	0.20 0.27	5.10 443	0.16 0.21	5.10 443	5.1 443	180	209
609	1.00 1.34	10.5 911	0.99 1.33	12.5 1085	0.82 1.10	13.0 1128	0.68 0.91	13.0 1128	0.62 0.83	13.0 1128	0.51 0.68	13.0 1128	0.41 0.55	13.0 1128	13 1128	161	210
610	2.01 2.70	21.2 1840	2.02 2.71	25.5 2213	1.64 2.20	26.0 2257	1.73 1.84	26.0 2257	1.23 1.65	26.0 2257	1.03 1.38	26.0 2257	0.82 1.10	26.0 2257	26 2257	181	210
611	4.00 5.36	42.2 3663	4.03 5.40	51.0 4427	3.23 4.33	51.0 4427	2.69 3.61	51.0 4427	2.42 3.24	51.0 4427	2.02 2.71	51.0 4427	1.61 2.16	51.0 4427	51 4427	182	211
612	4.00 5.36	42.2 3663	4.03 5.40	51.0 4427	3.23 4.33	51.0 4427	2.69 3.61	51.0 4427	2.42 3.24	51.0 4427	2.02 2.71	77.0 6684	1.61 2.16	51.0 4427	51 4427	182	211
613	6.02 8.07	63.4 5503	6.05 8.11	76.5 6640	4.87 6.53	77.0 6684	4.06 5.44	77.0 6684	3.65 4.89	77.0 6684	3.04 4.08	103 8940	2.44 3.27	77.0 6684	77 6684	183	212
614	6.65 8.92	70.1 6085	6.70 8.98	84.7 7352	5.73 7.68	90.6 7864	5.06 6.78	96.0 8333	4.70 6.30	99 8593	4.07 5.46	103 8940	3.26 4.37	103 8940	103 8940	183	212
615	7.04 9.44	74.2 6440	7.08 9.49	89.5 7769	6.06 8.13	95.7 8307	5.33 7.15	101 8767	4.89 6.56	103 8940	4.07 5.46	183 15884	3.26 4.37	103 8940	103 8940	184	213
616	13.3 17.8	140 12152	13.2 17.7	167 14496	11.4 15.3	180 15624	9.65 12.9	183 15884	8.68 11.6	183 15884	7.24 9.71	278 24130	5.79 7.76	183 15884	183 15844	184	213
617	18.4 24.7	194 16839	18.5 24.8	234 20311	15.9 21.3	251 21787	13.9 18.6	264 22915	13.0 17.4	274 23783	11.0 14.8	410 35588	8.80 11.8	278 24130	278 24130	185	214
618	26.9 36.1	283 24564	26.9 36.1	340 29512	23.1 31.0	365 31682	20.4 27.4	387 33592	19.0 25.5	400 34720	16.2 21.7	569 49389	13.0 17.4	410 35588	410 35588	185	214
619	36.2 48.5	381 33071	36.1 48.4	457 39668	31.1 41.7	492 42706	27.3 36.6	517 44876	25.4 34.1	535 46438	22.5 30.2	569 49389	19.3 25.9	610 52948	730 63364	186	215
620	46.0 61.7	485 42098	46.3 62.1	585 50778	39.9 53.5	630 54684	35.2 47.2	667 57896	32.7 43.8	690 59892	28.8 38.6	729 63277	23.1 31.0	730 63364	970 84196	186	215

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	86		71		57		48		43		36		29		2.4 and Below		
Frame Size	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
621	59.3 79.5	625 54250	59.5 79.8	752 65274	53.5 71.7	845 73346	47.4 63.6	900 78120	44.2 59.3	932 80898	38.4 51.5	970 84196	30.7 41.2	970 84196	970 84196	187	216
622	69.7 93.5	734 63711	70.3 94.3	889 77165	70.6 94.7	1115 96782	63.6 85.3	1207 104768	59.2 79.4	1248 108326	50.4 67.6	1275 110670	40.3 54.0	1275 110670	1275 110670	187	216
623					73.4 98.4	1160 100688	73.8 99.0	1400 121520	68.5 91.9	1444 125339	60.4 81.0	1526 132457	51.4 69.0	1625 141050	1625 141050	188	217
624					94.8 127	1498 130026	94.8 127	1800 156240	86.8 116	1830 158844	76.6 103	1938 168218	64.9 87.0	2050 177940	2050 177940	188	217
625					117 157	1847 160320	116 156	2200 190960	116 156	2445 212226	103 138	2600 225680	83.8 112	2650 230020	2650 230020	189	218
626					141 189	2225 193130	142 190	2685 233058	142 190	2998 260226	132 177	3334 289291	112 150	3550 308140	3550 308140	189	218

Ratio	25

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	72		60		48		40		36		30		24		2.0 and Below		
Frame Size	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
607	0.14 0.19	1.76 153	0.14 0.19	2.10 182	0.12 0.16	2.24 194	0.10 0.13	2.39 207	0.10 0.13	2.46 214	0.08 0.11	2.50 217	0.07 0.09	2.50 217	2.5 217	180	209
608	0.25 0.34	3.10 269	0.25 0.34	3.74 325	0.21 0.28	3.99 3.46	0.19 0.25	4.24 368	0.17 0.23	4.38 38.0	0.15 0.20	4.64 399	0.13 0.17	4.96 430	5.1 443	180	209
609	0.75 1.00	9.45 820	1.75 1.00	11.4 990	0.65 0.87	12.3 1068	0.56 0.75	12.7 1102	0.52 0.70	13.0 1128	0.43 0.58	13.0 1128	0.34 0.46	13.0 1128	13 1128	181	210
610	1.47 1.97	18.4 1597	1.44 1.93	21.7 1884	1.24 1.66	23.4 2031	1.08 1.45	24.5 2127	1.02 1.37	25.5 2213	0.86 1.15	26.0 2257	0.69 0.92	26.0 2257	26 2257	181	210
611	3.19 4.28	40.0 3472	3.20 4.29	48.2 4184	2.71 3.63	51.0 4427	2.26 3.03	51.0 4427	2.03 2.72	51.0 4427	1.69 2.27	51.0 4427	1.36 1.82	51.0 4427	51 4427	182	211
612	3.34 4.48	41.9 3637	3.35 4.49	50.4 4375	2.71 3.63	51.0 4427	2.26 3.03	51.0 4427	2.03 2.72	51.0 4427	1.69 2.27	51.0 4427	1.36 1.82	51.0 4427	51 4427	182	211
613	5.08 6.81	63.7 5529	5.08 6.81	76.5 6640	4.09 5.48	77.0 6684	3.41 4.57	77.0 6684	3.07 4.12	77.0 6684	2.56 3.43	77.0 6684	2.05 2.75	77.0 6684	77 6684	183	212
614	5.82 7.8	73.0 6336	5.84 7.83	87.9 7630	5.00 6.70	94.0 8159	4.43 5.94	100 8680	4.11 5.51	103 8940	3.42 4.59	103 8940	2.74 3.67	103 8940	103 8940	183	212
615	6.94 9.31	87.0 7552	6.71 9.00	101 8767	5.48 7.35	103 8940	4.56 6.12	103 8940	4.11 5.51	103 8940	3.42 4.59	103 8940	2.74 3.67	103 8940	103 8940	184	213
616	11.6 15.6	146 12673	11.6 15.6	175 15190	9.73 13.0	183 15884	8.11 10.9	183 15884	7.30 9.79	183 15884	6.08 8.15	183 15884	4.86 6.52	183 15884	183 15884	184	213
617	15.6 20.9	196 17013	15.5 20.8	234 20311	13.3 17.8	250 21700	11.7 15.7	265 23002	10.9 14.6	274 23783	9.24 12.4	278 24130	9.39 12.6	278 16303	278 24130	185	214
618	22.8 30.6	286 24825	22.8 30.6	344 29859	19.5 26.2	367 31856	17.2 23.1	388 33678	16.1 21.6	404 35067	13.6 18.2	410 35588	10.9 14.6	410 35588	410 35588	185	214
619	34.2 45.9	429 37237	34.4 46.1	517 44876	29.4 39.4	554 48087	25.9 34.7	585 50778	24.0 32.2	603 52340	21.1 28.3	636 55205	18.2 24.4	683 59284	730 63364	186	215

Ratio	29

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	62		52		41		34		31		26		21		1.7 and Below		
Frame Size	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
607	0.14 0.19	1.98 172	0.13 0.17	2.35 204	0.11 0.15	2.48 215	0.10 0.13	2.50 217	0.08 0.11	2.50 217	0.07 0.09	2.50 217	0.06 0.08	2.50 217	2.5 217	180	209
608	0.24 0.32	3.52 306	0.24 0.32	4.25 369	0.21 0.28	4.55 395	0.18 0.24	483 419	0.17 0.23	5.09 442	0.14 0.19	5.09 442	0.12 0.16	5.09 442	5.1 443	180	209
609	0.68 0.91	9.90 8.59	0.67 0.90	11.7 1016	0.57 0.76	12.5 1085	0.50 0.67	13.0 1128	0.45 0.60	13.0 1128	0.37 0.50	13.0 1128	0.30 0.40	13.0 1128	13 1128	181	210
610	1.38 1.85	20.1 1745	1.38 1.85	24.1 2092	1.17 1.57	25.5 2213	1.00 1.34	25.9 2248	0.89 1.19	26.0 2257	0.74 1.00	26.0 2257	0.60 0.80	26.0 2257	26 2257	181	210
611	2.84 3.81	41.3 3585	2.85 3.82	49.7 4314	2.34 3.14	51.0 4427	1.95 2.62	51.0 4427	1.75 2.35	51.0 4427	1.46 1.96	51.0 4427	1.17 1.57	51.0 4427	51 4427	182	211
612	2.84 3.81	41.4 3594	2.86 3.84	50.0 4340	2.33 3.12	50.9 4418	1.95 2.62	51.0 4427	1.75 2.35	51.0 4427	1.46 1.96	51.0 4427	1.17 1.57	51.0 4427	51 4427	182	211
613	4.41 5.91	64.1 5564	4.41 5.91	77.0 6684	3.53 4.73	77.0 6684	2.94 3.94	77.0 6684	2.65 3.55	77.0 6684	2.20 2.95	77.0 6684	1.76 2.36	77.0 6684	51 4427	183	212
614	4.84 6.49	70.5 6119	4.85 6.50	84.7 7352	4.20 5.63	91.7 7960	3.63 4.87	95.0 8246	3.40 4.56	103 8940	2.95 3.96	103 8940	2.36 3.16	103 8940	77 6684	183	212
615	5.88 7.88	85.6 7430	5.84 7.83	102 8854	4.72 6.33	103 8940	3.93 5.27	103 8940	3.54 4.75	183 15884	2.95 3.96	183 15884	2.36 3.16	103 8940	103 8940	184	213
616	9.69 13.0	141 12239	9.68 13.0	169 14669	8.34 11.2	182 15798	6.99 9.37	183 15884	6.29 8.44	278 24130	5.24 7.03	278 24130	4.19 5.62	183 15884	103 8940	184	213
617	14.3 19.2	208 18054	14.3 19.2	250 21700	12.2 16.4	267 23176	10.6 14.2	278 24130	9.55 12.8	400 34720	7.96 10.7	410 35588	6.37 8.54	278 24130	103 8940	185	214
618	18.3 24.5	266 23089	18.4 24.7	322 27950	15.9 21.3	348 30206	13.9 18.6	364 31595	12.9 17.3	399 34633	11.4 15.3	396 34373	9.39 12.6	410 35588	183 15884	185	214
619	30.0 40.2	437 37832	30.1 40.4	526 45657	25.8 34.6	563 48868	22.7 30.4	594 51559	21.0 28.2	730 63364	18.6 24.9	730 63364	15.9 21.3	696 60413	278 24130	186	215
620	39.0 52.3	568 49302	39.1 52.4	683 59284	33.4 44.8	728 63190	27.8 37.3	729 63277	25.1 33.7	965 83762	20.9 28.0	730 63364	16.7 22.4	696 60413	410 35588	186	215

Input Speed (R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed (R.P.M.)	62		52		41		34		31		26		21		4.5 and Below		
Frame Size	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
621	47.8 64.1	695 60326	47.8 64.1	835 72478	41.7 55.9	910 78988	36.7 49.2	962 83502	33.2 44.5	965 83762	27.6 37.0	965 83762	22.1 29.6	965 83762	965 83762	187	216
622	53.3 71.5	775 67270	53.5 71.7	934 81071	52.3 70.1	1142 99126	46.2 62.05	1210 105028	43.0 57.7	1250 108500	36.5 48.9	1275 110670	29.2 39.2	1275 110670	1275 110670	187	216
623					55.1 73.9	1202 104334	.4 74.3	1450 125860	53.4 71.6	1555 134974	46.2 62.0	1615 140182	37.2 49.9	1625 141050	1625 141050	188	217
624					68.3 91.6	1490 129332	68.7 92.1	1799 156153	65.0 87.2	1890 164052	57.3 76.8	2000 173600	47.0 63.0	2050 177940	2050 177940	188	217
625					93.9 126	2049 177853	94.7 127	2470 214396	91.1 122	2650 230020	75.9 102	2650 230020	60.7 81.4	2650 230020	2650 230020	189	218
626					135 181	2949 255973	135 181	3545 30706	122 164	3550 308140	102 137	3550 308140	81.3 109	3550 308140	3550 308140	189	218
627					140 188	3050 264740	140 188	3680 319424	141 189	4099 355793	130 174	4550 394940	112 150	4872 422890	6100 529480	190	219

Ratio	35

Input Speed (R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed (R.P.M.)	51		43		34		29		26		21		17		1.4 and Below		
Frame Size	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
607	0.12 0.16	2.15 187	0.12 0.16	2.49 216	0.09 0.12	2.50 217	0.08 0.11	2.50 217	0.06 0.08	2.50 217	0.06 0.08	2.50 217	0.05 0.07	2.50 217	2.5 217	180	209
608	0.24 0.32	425 369	0.24 0.32	5.05 438	0.19 0.25	5.10 443	0.16 0.21	5.10 443	0.12 0.16	5.10 443	0.12 0.16	5.10 443	0.10 0.13	5.10 443	5.1 443	180	209
609	0.58 0.78	10.1 877	0.58 0.78	12.2 1059	0.49 0.66	13.0 1128	0.41 0.55	13.0 1128	0.31 0.42	13.0 1128	0.31 0.42	13.0 1128	0.25 0.34	13.0 1128	13 1128	181	210
610	1.03 1.38	18.1 1571	1.02 1.37	21.5 1866	0.87 1.17	24.5 2127	0.78 1.05	25.6 2222	0.62 0.83	26.0 2257	0.62 0.83	26.0 2257	0.49 0.66	26.0 2257	26 2257	181	210
611	2.40 3.22	42.1 3654	2.42 3.27	50.9 4418	1.94 2.60	51.0 4427	1.61 2.16	51.0 4427	1.21 1.62	51.0 4427	1.21 1.62	51.0 4427	0.97 1.30	51.0 4427	51 4427	182	211
612	2.40 3.22	42.1 3654	2.42 3.24	50.9 4418	1.94 2.60	51.0 4427	1.61 2.16	51.0 4427	1.21 1.62	51.0 4427	1.21 1.62	51.0 4427	0.97 1.30	51.0 4427	51 4427	182	211
613	3.62 4.85	635 5512	3.64 4.88	76.7 6658	2.92 3.92	76.8 6666	2.44 3.27	77.0 6684	1.83 2.45	77.0 6684	1.83 2.45	77.0 6684	1.46 1.96	77.0 6684	77 6684	183	212
614	4.61 6.18	81.0 7031	4.63 6.21	97.5 8463	3.91 5.24	103 8940	3.26 4.37	103 8940	2.44 3.27	103 8940	244 3.27	103 8940	1.96 2.63	103 8940	103 8940	183	212
615	4.84 6.49	84.9 7369	4.84 6.49	102 8854	3.91 5.24	103 8940	3.26 4.37	103 8940	2.44 3.27	103 8940	2.44 3.27	103 8940	1.96 2.63	103 8940	103 15884	184	213
616	8.60 11.5	151 13107	8.64 11.6	182 15798	6.95 9.32	183 15884	5.79 7.76	183 15884	4.34 5.82	183 15884	4.34 5.82	183 15884	3.47 4.65	183 15884	183 15584	184	213
617	12.4 16.6	217 18836	12.5 16.8	263 22828	10.5 14.1	277 24044	8.80 11.8	278 24130	6.60 8.85	278 24130	6.60 8.85	278 24130	5.28 7.08	278 24130	278 24130	185	214
618	18.4 24.7	323 28036	18.5 24.8	389 33765	15.5 20.8	409 35501	13.0 17.4	410 35588	9.73 13.0	410 35588	9.73 13.0	410 35588	7.78 10.4	410 35588	410 35588	185	214
619	23.5 31.5	413 35848	23.7 31.8	500 43400	20.3 27.2	535 46438	17.8 23.9	582 50518	14.6 19.6	615 53382	14.6 19.6	615 53382	12.5 16.8	615 53382	730 63364	186	215

Ratio	43

Input Speed (R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed (R.P.M.)	42		35		28		23		21		17		14		1.2 and Below		
Frame Size	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
607	0.10 0.13	2.10 182	0.10 0.13	2.50 217	0.08 0.11	2.50 217	0.06 0.08	2.50 217	0.06 0.08	2.50 217	0.05 0.07	2.50 217	0.04 0.05	2.50 217	2.5 217	180	209
608	0.20 0.27	4.25 369	0.20 0.27	5.10 443	0.16 0.21	5.10 443	0.13 0.17	5.10 443	0.12 0.16	51.0 443	0.10 0.13	5.10 443	0.08 0.11	5.10 443	5.1 443	180	209
609	0.49 0.66	10.6 920	0.50 0.67	13.0 1128	0.40 0.54	13.0 1128	0.33 0.44	13.0 1128	0.30 0.40	13.0 1128	0.25 0.34	13.0 1128	0.20 0.27	13.0 443	13 1128	181	210
610	0.93 1.25	20.0 1736	0.93 1.25	· 24.1 2092	0.80 1.07	25.8 2239	0.67 0.90	25.6 2222	0.60 0.80	26.0 2257	0.50 0.67	26.0 2257	0.40 0.54	13.0 1128	26 2257	181	210
611	1.92 2.57	41.4 3594	1.92 2.57	49.7 4314	1.58 2.12	51.0 4427	1.31 1.76	51.0 4427	1.18 1.58	51.0 4427	0.98 1.31	51.0 4427	0.79 1.06	26.0 2257	51 4427	182	211
612	1.96 2.63	42.3 3672	1.97 2.64	50.9 4418	1.58 2.12	51.0 4427	1.31 1.76	51.0 4427	1.18 1.58	77.0 6684	0.98 1.31	51.0 4427	1.19 1.60	51.0 4427	51 4427	182	211
613	2.96 3.97	63.9 5546	2.96 3.97	76.5 6640	2.38 3.19	77.0 6684	1.98 2.66	77.0 6684	1.78 2.39	95.5 8289	1.49 2.00	77.0 6684	1.59 2.13	51.0 4427	77 6684	183	212
614	3.15 4.22	68.0 5902	3.16 4.24	81.9 7109	2.71 3.63	87.8 7621	2.39 3.20	103 8940	2.21 2.96	103 8940	1.99 2.67	103 8940	1.59 2.13	51.0 4427	103 8940	183	212
615	3.85 5.16	83.0 7204	3.86 5.18	100 8680	3.18 4.26	103 8940	2.65 3.55	103 8940	2.39 3.20	183 15884	1.99 2.67	103 5940	2.83 3.80	77.0 6684	103 15884	184	213
616	6.72 9.01	145 12586	6.76 9.06	175 15190	5.66 7.59	183 15884	4.71 6.32	183 15884	4.24 5.69	278 24130	3.53 4.73	183 15884	4.30 5.77	103 8940	183 15584	184	213
617	9.27 12.4	200 17360	9.31 12.5	241 20919	8.04 10.8	260 22568	7.16 9.60	278 24130	6.44 8.64	410 35588	5.37 7.20	278 24130	6.34 8.50	183 15884	278 24130	185	214
618	14.8 19.8	320 27776	15.0 20.1	387 33592	12.7 17.0	410 35588	10.6 14.2	410 35588	9.50 12.7	620 53816	7.92 10.6	410 35588	10.8 14.5	278 24130	410 35588	185	214
619	20.8 27.9	449 38973	20.5 27.5	530 46004	17.6 23.6	568 49302	15.5 20.8	582 50518	14.4 19.3	823 71436	12.7 17.0	656 56961	13.3 17.8	410 35588	730 63364	186	215

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	42		35		28		23		21		17		14		1.2 and Below		
Frame Size	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
620	27.0 / 36.2	582 / 50518	27.3 / 36.6	706 / 61281	24.1 / 32.3	780 / 67704	20.8 / 27.9	807 / 70048	19.1 / 25.6	823 / 71436	16.5 / 22.1	854 / 74127	13.3 / 17.8	860 / 74648	860 / 74648	186	215
621	37.1 / 49.8	800 / 69440	37.3 / 50.0	9.65 / 83762	31.8 / 42.6	1028 / 89230	27.6 / 37.0	1072 / 93050	25.3 / 33.9	1092 / 94786	21.8 / 29.2	1130 / 98084	17.6 / 23.6	1140 / 98952	1140 / 98952	187	216
622	45.7 / 61.3	985 / 85498	45.7 / 61.3	1183 / 102684	39.2 / 52.6	1270 / 110236	33.9 / 45.5	1315 / 114142	31.1 / 41.7	1341 / 116399	26.8 / 35.9	1385 / 120218	22.3 / 29.9	1440 / 124992	1440 / 124992	187	216
623					42.8 / 57.4	1386 / 120305	42.8 / 57.4	1660 / 144088	39.8 / 53.4	1715 / 148862	35.0 / 46.9	1810 / 157108	28.1 / 37.7	1820 / 157976	1830 / 158844	188	217
624					55.8 / 74.8	1806 / 156761	55.8 / 74.8	2165 / 187922	51.0 / 68.4	2200 / 190960	43.8 / 58.7	2270 / 197036	35.8 / 48.0	2320 / 201376	2350 / 203980	188	217
625					68.5 / 91.9	2217 / 192436	68.1 / 91.3	2645 / 229586	68.3 / 91.6	2945 / 255626	58.9 / 79.0	3050 / 264740	47.1 / 63.2	3050 / 264740	3050 / 264740	189	218
626					94.2 / 126	3050 / 264740	94.2 / 126	3660 / 317688	88.5 / 119	3920 / 331576	77.0 / 103	3986 / 345985	63.8 / 85.6	4100 / 355880	4100 / 355880	189	218
627					125 / 168	4050 / 351540	126 / 169	4900 / 425320	118 / 158	5070 / 440076	104 / 139	5360 / 465248	89.5 / 120	5790 / 502572	6100 / 529480	190	219

Ratio	51

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	35		29		24		20		18		15		12		0.98 and Below		
Frame Size	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
608	0.12 / 0.16	3.07 / 266	0.12 / 0.16	3.70 / 321	0.10 / 0.13	4.01 / 348	0.09 / 0.12	4.22 / 366	0.08 / 0.11	4.37 / 379	0.08 / 0.11	4.63 / 4.02	0.06 / 0.08	4.96 / 430	5.1 / 443	180	209
609	0.36 / 0.48	9.30 / 807	0.36 / 0.48	11.0 / 955	0.31 / 0.42	11.9 / 1033	0.27 / 0.36	12.3 / 1068	0.25 / 0.34	13.0 / 1128	0.21 / 0.28	13.0 / 1128	0.17 / 0.23	13.0 / 1128	13 / 1128	180	209
610	0.66 / 0.88	17.0 / 1476	0.67 / 0.90	20.5 / 1779	0.57 / 0.76	21.9 / 1901	0.50 / 0.67	23.1 / 2005	0.48 / 0.64	24.4 / 2118	0.48 / 0.64	25.5 / 2213	0.34 / 0.46	26.0 / 2257	26 / 2257	181	210
611	1.87 / 2.51	47.9 / 4158	1.66 / 2.23	50.9 / 4418	1.33 / 1.78	51.0 / 4427	1.11 / 1.49	51.0 / 4427	1.00 / 1.34	51.0 / 4427	0.83 / 1.11	51.0 / 4427	0.66 / 0.88	51.0 / 4427	51 / 4427	181	210
612	1.87 / 2.51	47.9 / 4158	1.66 / 2.23	50.9 / 4418	1.33 / 1.78	51.0 / 4427	1.11 / 1.49	51.0 / 4427	1.00 / 1.34	51.0 / 4427	0.83 / 1.11	51.0 / 4427	0.66 / 0.88	51.0 / 4427	77 / 6684	182	211
613	2.52 / 3.38	64.5 / 4163	2.50 / 3.35	76.7 / 6658	2.00 / 2.68	76.9 / 6675	1.67 / 2.24	77.0 / 6684	1.50 / 2.01	77.0 / 6684	1.25 / 1.68	77.0 / 6684	1.00 / 1.34	77.0 / 6684	103 / 8940	182	211
614	2.94 / 3.94	75.2 / 6527	2.97 / 3.98	91.2 / 7916	2.53 / 3.39	97.0 / 8420	2.21 / 2.96	102 / 8854	2.01 / 2.70	103 / 8940	1.68 / 2.25	103 / 8940	1.34 / 1.80	103 / 8940	103 / 8940	183	212
615	3.40 / 4.56	87.0 / 7552	3.32 / 4.45	102 / 7916	2.66 / 3.57	102 / 8854	2.24 / 3.00	103 / 8940	2.01 / 2.70	103 / 8940	1.68 / 2.25	103 / 8940	1.34 / 1.80	103 / 8940	103 / 8940	183	212
616	5.67 / 7.60	145 / 12586	5.70 / 7.64	175 / 15190	4.72 / 6.33	181 / 15711	3.95 / 5.30	182 / 15798	3.58 / 4.80	183 / 15884	2.98 / 4.00	183 / 15884	2.38 / 3.19	183 / 15884	183 / 15884	184	213
617	8.32 / 11.2	213 / 18488	8.34 / 11.2	256 / 22221	7.11 / 9.53	273 / 23696	6.04 / 8.10	278 / 24130	5.43 / 7.28	278 / 24130	4.53 / 6.07	278 / 24130	3.62 / 4.85	278 / 24130	278 / 24130	184	213
618	11.4 / 15.3	291 / 25259	11.4 / 15.3	350 / 30380	9.69 / 13.0	3.72 / 32290	8.90 / 11.9	410 / 35588	8.01 / 10.7	410 / 35588	6.68 / 8.96	410 / 35588	5.34 / 7.16	410 / 35588	410 / 35588	185	214
619	18.0 / 24.1	460 / 39928	17.9 / 24.0	549 / 47653	15.3 / 20.5	587 / 50952	13.5 / 18.1	620 / 53816	12.5 / 16.8	640 / 55552	11.1 / 14.9	730 / 63364	9.51 / 12.7	730 / 63364	730 / 63364	185	214

Ratio	59

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	31		25		20		17		15		13		10		0.85 and Below		
Frame Size	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Input kw / HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
608	0.12 / 0.16	3.45 / 299	0.12 / 0.16	4.15 / 360	0.10 / 0.13	4.45 / 386	0.09 / 0.12	4.70 / 408	0.08 / 0.11	4.87 / 423	0.07 / 0.09	5.10 / 443	0.06 / 0.08	5.10 / 443	5.1 / 443	180	207
609	0.33 / 0.44	9.71 / 843	0.33 / 0.44	11.6 / 1007	0.28 / 0.38	12.5 / 1085	0.24 / 0.32	13.0 / 1128	0.22 / 0.30	13.0 / 1128	0.18 / 0.24	13.0 / 1128	0.15 / 0.20	13.0 / 1128	13 / 1128	181	210
610	0.61 / 0.82	18.0 / 1562	0.60 / 0.80	21.5 / 1866	0.52 / 0.70	23.3 / 2022	0.45 / 0.60	24.2 / 2100	0.43 / 0.58	25.4 / 2205	0.37 / 0.50	26.0 / 2257	0.29 / 0.39	26.0 / 2257	26 / 2257	181	210
611	1.38 / 1.85	40.8 / 3541	1.37 / 1.84	48.7 / 4227	1.14 / 1.53	50.8 / 4409	0.96 / 1.29	51.0 / 4427	0.86 / 1.15	51.0 / 4427	0.72 / 0.96	51.0 / 4427	0.57 / 0.76	51.0 / 4427	51 / 4427	182	211
612	1.38 / 1.85	41.0 / 3559	1.38 / 1.85	48.9 / 4244	1.15 / 1.54	50.9 / 4418	0.96 / 1.29	51.0 / 4427	0.86 / 1.15	51.0 / 4427	0.72 / 0.96	51.0 / 4427	0.57 / 0.76	51.0 / 4427	51 / 4427	182	211
613	2.16 / 2.90	64.0 / 5555	2.15 / 2.88	76.4 / 6632	1.73 / 2.32	76.8 / 6666	1.44 / 1.93	76.9 / 6675	1.30 / 1.74	77.0 / 6684	1.08 / 1.45	77.0 / 6684	0.87 / 1.17	77.0 / 6684	77 / 6684	183	212
614	2.84 / 3.81	84.0 / 7291	2.80 / 3.75	99.6 / 8645	2.25 / 3.02	100 / 8680	1.93 / 2.59	103 / 8940	1.74 / 2.33	103 / 8940	1.45 / 1.94	103 / 8940	1.16 / 1.56	103 / 8940	103 / 8940	183	212
615	2.90 / 3.89	85.8 / 7447	2.82 / 3.78	100 / 8680	2.25 / 3.02	100 / 8680	1.93 / 2.59	103 / 8940	1.74 / 2.33	103 / 8940	1.45 / 1.94	103 / 8940	1.16 / 1.56	103 / 8940	103 / 8940	184	213
616	4.90 / 6.57	145 / 12586	4.96 / 6.65	176 / 15277	4.10 / 5.50	182 / 15798	3.43 / 4.60	183 / 15884	3.09 / 4.14	183 / 15884	2.58 / 3.46	183 / 15884	2.06 / 2.76	183 / 15884	183 / 15884	184	213
617	7.23 / 9.70	214 / 18575	7.29 / 9.78	259 / 22481	6.08 / 8.15	270 / 23436	5.22 / 7.00	278 / 24130	4.70 / 6.30	278 / 24130	3.91 / 5.24	278 / 24130	3.13 / 4.20	278 / 24130	278 / 24130	185	214
618	9.73 / 13.0	288 / 24998	9.85 / 13.2	350 / 30380	8.11 / 10.9	360 / 31248	7.08 / 9.49	377 / 32724	6.40 / 8.58	379 / 32897	5.67 / 7.60	403 / 34980	4.62 / 6.20	410 / 35588	410 / 35588	185	214
619	15.5 / 20.8	460 / 39928	15.5 / 20.8	550 / 47740	13.2 / 17.7	585 / 50778	11.8 / 15.8	630 / 54684	11.0 / 14.8	650 / 56420	9.66 / 13.0	686 / 59545	8.22 / 11.0	730 / 63364	730 / 63364	186	215
620	19.2 / 25.7	570 / 49476	19.1 / 25.6	680 / 59024	17.9 / 24.0	794 / 68919	15.4 / 20.6	820 / 71176	14.2 / 19.0	843 / 73172	12.1 / 16.2	860 / 74648	9.68 / 13.0	860 / 74648	860 / 74648	186	215

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	31		25		20		17		15		13		10		0.85 and Below		
Frame Size	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
621	27.7 37.1	821 71263	27.8 37.3	989 85845	23.9 32.0	1063 92268	20.4 27.4	1090 94612	18.8 25.2	1110 96348	16.0 21.4	1140 98952	12.8 17.2	1140 98952	1140 98952	187	216
622	33.3 44.6	986 85585	33.4 44.8	1185 102858	28.6 38.4	1272 110410	24.7 33.1	1315 114142	22.7 30.4	1345 116746	19.5 26.2	1386 120305	16.2 21.7	1440 124992	1440 124992	187	216
623					29.9 40.1	1326 115097	30.0 40.2	1600 138880	27.5 36.9	1629 141397	23.9 32.0	1700 147560	20.2 27.1	1798 156066	1830 158844	188	217
624					38.2 51.2	1697 147300	38.3 51.4	2040 17707	35.1 47.0	2080 180544	30.4 40.8	2160 187488	25.4 34.1	2256 195821	2350 203980	188	217
625					55.2 74.0	2450 212660	55.3 74.2	2945 255626	51.4 69.0	3040 263872	42.9 57.5	3050 264740	34.3 46.0	3050 264740	3050 264740	189	218
626					74.8 100	3323 288436	75.1 101	4000 347200	69.1 92.7	4090 355012	57.6 77.2	4095 355446	46.2 62.0	4100 355880	4100 355880	189	218
627					100 134	4440 385392	100 134	5330 462644	92.7 124	5490 476532	81.6 109	5800 503440	68.7 92.1	6100 529480	6100 529480	190	219

Ratio	71

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	25		21		17		14		13		11		8.5		0.70 and Below		
Frame Size	Input kw HP	Output Torque kg.m / in.lb	Input kw HP	Output Torque kg.m / in.lb	Input kw HP	Output Torque kg.m / in.lb	Input kw HP	Output Torque kg.m / in.lb	Input kw HP	Output Torque kg.m / in.lb	Input kw HP	Output Torque kg.m / in.lb	Input kw HP	Output Torque kg.m / in.lb	Output Torque kg.m / in.lb	H	V
609	0.26 0.35	9.15 794	0.26 0.35	11.0 955	0.22 0.30	11.7 1016	0.19 0.25	12.0 1042	0.18 0.24	12.9 1120	0.15 0.20	13.0 1128	0.12 0.16	13.0 1128	13 1128	181	210
610	0.49 0.66	17.5 1519	0.49 0.66	21.1 1831	0.42 1.13	22.7 1970	0.37 0.50	24.0 2083	0.34 0.46	24.6 2135	0.30 0.40	26.0 2257	0.24 0.32	26.0 2257	26 2257	181	210
611	0.98 1.31	34.8 3021	0.98 1.31	41.9 3637	0.84 1.13	45.0 3906	0.72 0.96	46.5 4036	0.68 0.91	48.1 4175	0.59 0.79	50.6 4392	0.48 0.64	51.0 4427	51 4427	182	211
612	1.01 1.35	35.9 3116	1.02 1.37	43.6 3784	0.87 1.17	46.5 4036	0.76 1.02	49.0 4253	0.72 0.96	51.0 4427	0.60 0.80	51.0 4427	0.48 0.64	51.0 4427	51 4427	182	211
613	1.82 2.44	64.7 5616	1.80 2.41	76.8 6666	1.44 1.93	77.0 6684	1.20 1.61	77.0 6084	1.08 1.45	77.0 6684	0.90 1.21	77.0 6684	0.72 0.96	77.0 6684	77 6684	183	212
614	2.10 2.82	75.0 6510	2.11 2.83	90.2 7829	1.81 2.43	96.8 8402	1.58 2.12	101 8787	1.44 1.93	103 8940	1.20 1.61	103 8940	0.96 1.29	103 8940	103 8940	183	212
615	2.17 2.91	77.2 6710	2.17 2.91	92.9 8064	1.87 2.51	99.7 8654	1.59 2.13	102 8854	1.44 1.93	103 8940	1.20 1.61	103 8940	0.96 1.29	103 8840	103 8940	184	213
616	4.10 5.50	146 12673	4.09 5.48	175 15190	3.42 4.59	183 15884	2.85 3.82	183 15884	2.57 3.45	183 15884	2.14 2.87	183 15884	1.71 2.29	183 15884	183 15884	184	213
617	6.01 8.06	214 18575	6.01 8.06	257 22308	5.16 6.92	276 23957	4.34 5.82	278 24130	3.90 5.23	278 24130	3.25 4.36	278 24130	2.60 3.49	278 24130	278 24130	185	214
618	7.33 9.83	261 22655	7.35 9.86	314 27255	6.27 8.41	335 29078	5.54 7.43	355 30814	5.15 6.91	367 31856	4.55 6.10	389 33765	3.84 5.15	410 35588	410 35588	185	214
619	13.4 18.0	479 41577	13.4 18.0	573 49736	11.5 15.4	614 53295	10.1 13.5	648 56246	9.38 12.6	668 57982	8.29 11.1	709 61541	6.83 9.16	730 63364	730 63364	186	215

Ratio	87

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	21		17		14		11		10		8.6		6.9		0.57 and Below		
Frame Size	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Input kw HP	Output Torque kg·m / in·lb	Output Torque kg·m / in·lb	H	V
609	0.24 0.32	10.6 920	0.25 0.34	12.9 1120	0.20 0.27	13.0 1128	0.16 0.21	13.0 1128	0.15 0.20	13.0 1128	0.12 0.16	13.0 1128	0.10 0.13	13.0 1128	13 1128	181	210
610	0.49 0.66	21.5 1866	0.49 0.66	25.9 2248	0.40 0.54	26.0 2257	0.33 0.44	26.0 2257	0.30 0.40	26.0 2257	0.20 0.27	26.0 2257	0.20 0.27	26.0 2257	26 2257	181	210
611	0.93 1.25	40.5 3515	0.93 1.25	48.8 4236	0.78 1.05	51.0 4427	0.65 0.87	51.0 4427	0.58 0.78	51.0 4427	0.49 0.66	51.0 4427	0.39 0.52	51.0 4427	51 4427	182	211
612	0.93 1.25	40.8 3541	0.94 1.26	49.0 4253	0.78 1.05	51.0 4427	0.65 0.87	51.0 4427	0.58 0.78	77.0 6684	0.49 0.66	77.0 6684	0.39 0.52	51.0 4427	51 4427	182	211
613	1.47 1.97	64.0 5555	1.46 1.96	76.5 6640	1.18 1.58	77.0 6684	0.98 1.31	77.0 6684	0.88 1.18	103 8940	0.74 0.99	103 8940	0.59 0.79	77.0 6684	77 6684	183	212
614	1.96 2.63	85.5 7421	1.95 2.62	102 8854	1.57 2.10	103 8940	1.31 1.76	103 8940	1.18 1.58	103 8940	0.98 1.31	183 15884	0.79 1.06	103 6684	103 6684	183	212
615	1.99 2.67	86.9 7543	1.97 2.64	103 8940	1.57 2.10	103 8940	1.31 1.76	103 8940	1.18 1.58	183 15884	0.98 1.31	278 24130	1.04 1.88	103 6684	103 6684	184	213
616	3.34 4.48	146 12673	3.34 4.48	175 15190	2.80 3.75	183 15884	2.33 3.12	183 15884	2.10 2.82	278 24130	1.75 2.35	410 35588	2.12 2.84	183 15884	183 15884	184	213
617	4.83 6.48	211 18315	4.83 6.48	253 21960	4.14 5.55	271 23533	3.54 4.75	278 24130	3.18 4.26	410 35588	2.65 3.55	730 63364	3.13 4.20	278 24130	278 24130	185	214
618	7.35 9.86	321 27863	7.35 9.86	385 33418	6.26 8.39	410 35588	5.22 7.00	410 35588	4.70 6.30	720 12546	3.91 5.24	730 63340	5.58 7.48	410 35588	410 35588	185	214
619	11.7 15.7	511 44355	11.7 15.7	615 53382	10.1 13.5	661 57375	8.85 11.9	695 60326	8.26 11.1	730 63364	6.97 9.35	730 63364	5.58 7.48	730 63364	730 63364	186	215
620	13.6 18.2	596 51733	13.7 18.4	718 62322	11.1 14.9	729 63277	9.29 12.4	730 63364	8.26 11.1	730 63364	6.97 9.35	730 63340	7.29 9.78	730 63364	730 63364	186	215
621	18.3 24.5	798 69266	18.2 24.4	954 82807	14.6 19.6	954 82807	12.2 16.4	955 82894	10.9 14.6	955 82894	9.12 12.2	955 82894	9.74 13.1	955 82894	955 82894	187	216
622	21.9 29.4	957 83068	21.9 29.4	1148 99646	18.6 24.9	1222 106070	16.1 21.6	1267 109976	14.6 19.6	1275 110670	12.2 16.4	1275 110670	9.74 13.1	1275 110670	1275 110670	187	216
623					21.0 28.2	1377 119524	20.7 27.8	1625 141050	18.6 24.9	1625 141050	15.5 20.8	1625 141050	12.4 16.6	1625 141050	1625 141050	188	217

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	21		17		14		11		10		8.6		6.9		0.57 and Below		
Frame Size	Input kw HP	Output Torque kg -m / in -lb	Input kw HP	Output Torque kg -m / in -lb	Input kw HP	Output Torque kg -m / in -lb	Input kw HP	Output Torque kg -m / in -lb	Input kw HP	Output Torque kg -m / in -lb	Input kw HP	Output Torque kg -m / in -lb	Input kw HP	Output Torque kg -m / in -lb	Output Torque kg -m / in -lb	H	V
624					26.7 35.8	1747 151640	26.1 35.0	2050 177940	23.5 31.5	2050 177940	19.6 26.3	2050 177940	15.6 20.9	2050 177940	2050 177940	188	217
625					34.2 45.9	2240 194432	33.7 45.2	2645 229586	30.4 40.8	2650 230020	25.3 33.9	2650 230020	20.2 27.1	2650 230020	2650 230020	189	218
626					45.7 61.3	2995 259966	45.2 60.6	3550 308140	40.7 54.6	3550 308140	33.9 45.5	3550 308140	27.1 36.3	3550 308140	3550 308140	189	218
627					51.2 68.7	3350 290780	51.2 68.7	4020 348936	49.5 66.4	4321 375063	43.6 58.5	4565 396242	37.3 50.0	4880 423584	6100 529480	190	219

Ratio	119

Input Speed(R.P.M.)	1800		1500		1200		1000		900		750		600		50 and Below	Dimension page	
Output Speed(R.P.M.)	15		13		10		8		7		6		5		0.42 and Below		
Frame Size	Input kw HP	Output Torque kg .m / in .lb	Input kw HP	Output Torque kg .m / in .lb	Input kw HP	Output Torque kg .m / in .lb	Input kw HP	Output Torque kg .m / in .lb	Input kw HP	Output Torque kg .m / in .lb	Input kw HP	Output Torque kg .m / in .lb	Input kw HP	Output Torque kg .m / in .lb	Output Torque kg .m / in .lb	H	V
609	0.11 0.15	6.40 556	0.10 0.13	7.10 616	0.08 0.11	7.10 616	0.08 0.11	7.10 616	0.07 0.09	7.10 616	0.06 0.08	7.10 616	0.04 0.05	7.10 616	7.1 616	181	210
610	0.24 0.32	14.5 1259	0.25 0.34	17.8 1545	0.21 0.28	17.8 1545	0.21 0.28	19.2 1666	0.19 0.25	20.5 1779	0.18 0.24	21.0 1823	0.12 0.16	21.0 1823	21 1823	181	210

SELECTION TABLE FOR DOUBLE STAGE REDUCERS

(Allowable Transmission Input - Output Capacity) **Input at 1500 R.P.M.**

Ratio	104 (13 x 8)		121 (11 x 11)		143 (13 x 11)		165 (15 x 11)		195 (15 x 13)		Dimension page
Output Speed(R.P.M.)	14		12		10		9.1		7.7		
Frame Size	Input kw/HP	Output Torque kg - m / in - lb	Input kw/HP	Output Torque kg - m / in - lb	Input kw/HP	Output Torque kg - m / in - lb	Input kw/HP	Output Torque kg - m / in - lb	Input kw/HP	Output Torque kg - m / in - lb	
607/07			0.10 0.13	2.50/217	0.10 0.13	2.50/217	0.10 0.13	2.50/217	0.10 0.13	2.50/217	191
608/07			0.10 0.13	4.63/402	0.10 0.13	5.10/443	0.10 0.13	5.10/443	0.10 0.13	5.10/443	191
609/08	0.18 0.24	10.1/877	0.16 0.21	10.6/920	0.14 0.19	10.9/946	0.14 0.19	13.0/1128	0.12 0.16	13.0/1128	192
610/08	0.36 0.48	20.5/1779	0.31 0.42	20.5/1779	0.26 0.35	20.5/1779	0.29 0.39	26.0/2257	0.24 0.32	26.0/2257	192
611/08	0.40 0.54	22.5/1953	0.40 0.54	26.3/2283	0.40 0.54	31.5/2734	0.40 0.54	36.1/3133	0.40 0.54	42.9/3724	193
611/09	0.84 1.13	48.0/4166	0.76 1.02	50.0/4340	0.65 0.87	51.0/4427	0.56 0.75	51.0/4427	0.48 0.64	51.0/4427	193
613/08											194
613/09	1.35 1.81	77.0/6684	1.06 1.42	77.0/6684	0.98 1.31	77.0/6684	0.85 1.14	77.0/6684	0.72 0.96	77.0/6684	194
613/10	1.35 1.81	77.0/6684	1.16 1.56	77.0/6684	0.98 1.31	77.0/6684	0.85 1.14	77.0/6684			195
614/08											195
614/09					1.04 1.39	81.0/7031	1.02 1.37	91.8/7968	0.86 1.15	92.2/8003	196
614/10	1.81 2.43	103/8940	1.45 1.94	96.0/8333	1.32 1.77	103/8940	1.14 1.53	103/8940	0.97 1.30	103/8940	196
616/09											197
616/10	2.42 3.24	160/13888	2.57 3.45	170/14756	2.34 3.14	183/15884	2.03 2.72	183/15884	1.72 2.31	183/15884	197
616/11	3.22 4.32	183/15884	2.77 3.71	183/15884	2.34 3.14	183/15884					198
617/09											198
617/10							2.55 3.42	230/19964	2.41 3.23	257/22308	199
617/11	4.89 6.56	278/24130	3.86 5.18	255/22134	3.56 4.77	278/24130	3.08 4.13	278/24130	2.61 3.50	278/24130	199
618/10											200
618/13	7.04 9.44	400/34720	5.06 6.78	335/29078	5.13 6.88	401/34807	4.45 6.09	410/35588	3.85 5.16	410/35588	200
619/11									4.78 6.41	510/44268	201
619/13	10.0 13.4	570/49476	8.61 11.5	570/49476	7.80 10.5	610/52948	6.76 9.06	610/52948	6.10 8.18	650/56420	201
620/11											202
620/13			8.69 11.6	575/49910			7.70 10.3	695/60326	6.52 8.74	695/60326	202
621/13			9.98 13.4	660/57288			9.48 12.7	855/74214	8.02 10.8	855/74214	203
621/16			11.1 14.9	735/63798			9.48 12.7	855/74214	8.02 10.8	855/74214	203
622/13									9.19 12.3	980/85064	204
622/17			14.5 19.4	960/83328			12.2 16.4	1100/95480	10.3 13.8	1100/95480	204
623/16			16.9 22.7	1120/97216			15.5 20.8	1400/121520	13.1 17.6	1410/122100	205
623/18			16.9 22.7	1120/97216			15.5 20.8	1400/121520	13.1 17.6	1410/122100	205
624/16							18.1 24.3	1630/141484	17.0 22.8	1810/157108	206
624/18			21.3 28.6	1410/122388			20.1 27.0	1810/157108	17.0 22.8	1810/157108	206
625/17			27.1 36.3	1790/155372			25.5 34.2	2300/199640	21.6 29.0	2300/199640	207
625/19			27.2 36.5	1800/156240			25.5 34.2	2300/199640			207
626/19			36.3 48.7	2400/208320			33.8 45.3	3050/264740	28.6 38.4	3050/264740	208

*Please avoid use at the full input capacity and use within the allowable output torque for frame sizes shown in the ▭ columm.

*Please refer to the Allowable Overhung Load for each frame size as shown on page 225.

Ratio	231 (21 x 11)		273 (21 x 13)		319 (29 x 11)		377 (29 x 13)		473 (43 x 11)		Dimension page
Output Speed(R.P.M.)	6.5		5.5		4.7		4.0		3.2		
Frame Size	Input kw/HP	Output Torque kg・m / in・lb	Input kw/HP	Output Torque kg・m / in・lb	Input kw/HP	Output Torque kg・m / in・lb	Input kw/HP	Output Torque kg・m / in・lb	Input kw/HP	Output Torque kg・m / in・lb	
607/07	0.10 / 0.13	2.50/217	0.10 / 0.13	2.50/217	0.10 / 0.13	2.50/217	0.10 / 0.13	2.50/217	0.10 / 0.13	2.50/217	191
608/07	0.10 / 0.13	5.10/443	0.10 / 0.13	5.10/443	0.10 / 0.13	5.10/443	0.10 / 0.13	5.10/443	0.10 / 0.13	5.10/443	191
609/08	0.10 / 0.13	13.0/1128	0.10 / 0.13	13.0/1128	0.10 / 0.13	13.0/1128	0.10 / 0.13	13.0/1128	0.10 / 0.13	13.0/1128	192
610/08	0.20 / 0.27	26.0/2257	0.17 / 0.23	26.0/2257	0.15 / 0.20	26.0/2257	0.13 / 0.17	26.0/2257	0.10 / 0.13	26.0/2257	192
611/08	0.40 / 0.54	51.0/4427	0.34 / 0.46	51.0/4427	0.29 / 0.39	51.0/4427	0.25 / 0.34	51.0/4427	0.20 / 0.27	51.0/4427	193
611/09	0.40 / 0.54	51.0/4427	0.34 / 0.46	51.0/4427							193
613/08							0.37 / 0.50	77.0/6684	0.30 / 0.40	77.0/6684	194
613/09	0.61 / 0.82	77.0/6684	0.52 / 0.70	77.0/6684	0.44 / 0.59	77.0/6684	0.37 / 0.50	77.0/6684			194
613/10											195
614/08									0.40 / 0.54	103/8940	195
614/09	0.82 / 1.10	103/8940	0.69 / 0.92	103/8940	0.59 / 0.79	103/8940	0.50 / 0.67	103/8940	0.40 / 0.54	103/8940	196
614/10	0.82 / 1.10	103/8940	0.69 / 0.92	103/8940							196
616/09	1.15 / 1.54	145/12586	1.07 / 1.43	160/13888	1.05 / 1.41	183/15884	0.89 / 1.19	183/15884	0.71 / 0.95	183/15884	197
616/10	1.45 / 1.94	183/15884	1.23 / 1.65	183/15884	1.05 / 1.41	183/15884	0.89 / 1.19	183/15884			197
616/11											198
617/09									1.08 / 1.45	278/24130	198
617/10	2.20 / 2.95	278/24130	1.86 / 2.49	278/24130	1.59 / 2.13	278/24130	1.35 / 1.81	278/24130	1.08 / 1.45	278/24130	199
617/11	2.20 / 2.95	278/24130			2.13 / 2.86	278/24130					199
618/10	2.49 / 3.34	315/27342	2.70 / 3.62	403/34980	2.35 / 3.15	410/35588	1.99 / 2.67	410/35588	1.58 / 2.12	410/35588	200
618/13	3.25 / 4.36	410/35588	2.75 / 3.69	410/35588	2.35 / 3.15	410/35588	1.99 / 2.67	410/35588			200
619/11	4.43 / 5.94	560/48608	3.89 / 5.22	580/50344	3.56 / 4.77	620/53816	2.81 / 3.77	580/50344	2.28 / 3.06	590/51212	201
619/13	5.78 / 7.75	730/63364	4.89 / 6.66	730/63364	4.19 / 5.62	703/63364	3.54 / 4.75	730/63364	2.82 / 3.78	730/63364	201
620/11											202
620/13	5.78 / 7.75	730/83364			4.19 / 5.62	730/83364			3.31 / 4.44	855/74214	202
621/13	7.64 / 10.2	965/83762	6.47 / 8.68	965/83762	5.53 / 7.42	965/83762	4.68 / 6.28	965/83762	4.37 / 5.86	1130/98084	203
621/16	7.64 / 10.2	965/83762			5.53 / 7.42	965/83762			4.37 / 5.86	1130/98084	203
622/13	9.90 / 13.3	1250/108500	8.54 / 11.4	1275/110670	7.31 / 9.80	1275/110670	6.19 / 8.30	1275/110670	5.57 / 7.47	1440/124992	204
622/17	10.1 / 13.5	1275/110670	8.54 / 11.4	1275/110670	7.31 / 9.80	1275/110670	6.19 / 8.3	1275/110670			204
623/16	12.6 / 16.9	1590/138012	10.8 / 14.5	1620/140616	9.00 / 12.1	1570/136276	7.86 / 10.5	1620/140616	7.06 / 9.47	1825/158410	205
623/18											205
624/16	16.0 / 21.4	2020/175336	13.7 / 18.4	2050/177940	11.5 / 15.4	2000/173600	9.95 / 13.3	2050/177940	9.09 / 12.2	2350/203980	206
624/18	16.2 / 21.7	2050/177940	13.7 / 18.4	2050/177940	11.6 / 15.6	2030/176204	9.95 / 13.3	2050/177940	9.09 / 12.2	2350/203980	206
625/17	21.0 / 28.2	2650/230020	17.8 / 23.9	2650/230020	15.2 / 20.4	2650/230020	12.8 / 17.2	2650/230020	11.8 / 15.8	3050/264740	207
625/19	21.0 / 28.2	2650/230020									207
626/19	27.4 / 36.7	3460/300328	23.4 / 31.4	3500/303800	20.1 / 27.0	3500/303800	17.0 / 22.8	3500/303800	16.0 / 21.4	4140/359352	208
627/19					33.8 / 45.3	5900/512120	29.8 / 40.0	6150/533820	23.8 / 31.9	6150/533820	208

*Please avoid use at the full input capacity and use within the allowable output torque for frame sizes shown in the ▭ columm.

*Please refer to the Allowable Overhung Load for each frame size as shown on page 225.

Ratio	559 (43 x 13)		649 (59 x 11)		731 (43 x 17)		841 (29 x 29)		1003 (59 x 17)		Dimension page
Output Speed(R.P.M.)	2.7		2.3		2.1		1.8		1.5		
Frame Size	Input kw/HP	Output Torque kg .m / in .lb	Input kw/HP	Output Torque kg .m / in .lb	Input kw/HP	Output Torque kg .m / in .lb	Input kw/HP	Output Torque kg .m / in .lb	Input kw/HP	Output Torque kg .m / in .lb	
607/07	0.10 0.13	2.50/217			0.10 0.13	2.50/217	0.10 0.13	2.50/217			191
608/07	0.10 0.13	5.10/443	0.10 0.13	5.10/443	0.10 0.13	51.0/443	0.10 0.13	5.10/443	0.10 0.13	5.10/443	191
609/08	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	192
610/08	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.02257	192
611/08	0.17 0.23	51.0/4427	0.14 0.19	51.0/4427	0.13 0.17	51.0/4427	0.11 0.15	51.0/4427	0.10 0.13	51.0/4427	193
611/09											193
613/08	0.25 0.34	77.0/6684	0.22 0.30	77.0/6684	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	194
613/09											194
613/10											195
614/08	0.34 0.46	103/8940	0.29 0.39	103/8940	0.26 0.35	103/8940	0.22 0.30	103/8940	0.20 0.27	103/8940	195
614/09	0.34 0.46	103/8940					0.22 0.30	103/8940			196
614/10											196
616/09	0.60 0.80	183/15884	0.52 0.70	183/15884	0.46 0.62	183/15884	0.40 0.54	183/15884	0.40 0.54	183/15884	197
616/10											197
616/11											198
617/09	0.91 1.22	278/24130	0.78 1.05	278/24130	0.70 0.94	278/24130	0.60 0.80	278/24130	0.51 0.68	278/24130	198
617/10	0.91 1.22	278/24130	0.78 1.05	278/24130			0.60 0.80	278/24130			199
617/11											199
618/10	1.34 1.80	410/35588	1.16 1.56	410/35588	1.02 1.37	410/35588	0.89 1.19	410/35588	0.75 1.00	410/35588	200
618/13			1.16 1.56	410/35588							200
619/11	2.00 2.68	610/52948	1.78 2.39	630/54684	1.70 2.28	680/59024	1.59 2.13	730/63364	1.31 1.76	720/62496	201
619/13	2.39 3.20	730/63364	2.06 2.76	730/63364	1.83 2.45	730/63364	1.59 2.13	730/63364	1.33 1.78	730/63364	201
620/11											202
620/13	2.80 3.75	855/74214	2.41 3.23	855/74214	2.20 2.95	855/74214			2.20 2.95	840/72912	202
621/13	3.70 4.96	1130/98084	3.18 4.26	1130/98084	2.83 3.80	1130/98084	2.20 2.95	978/84890	2.20 2.95	1130/98084	203
621/16											203
622/13	4.71 6.32	1440/124992	4.06 5.44	1440/124992	3.60 4.82	1440/124992	2.72 3.65	1250/108500	2.63 3.53	1440/124992	204
622/17											204
623/16	5.97 8.01	1825/158410	5.14 6.89	1825/158410	4.57 6.13	1825/158410	3.57 4.79	1640/142352	3.33 4.46	1825/158410	205
623/18											205
624/16	7.69 10.3	2350/203980	6.62 8.88	2350/203980	5.88 7.88	2350/203980	4.46 5.98	2050/177940	4.28 5.74	2350/203980	206
624/18			6.62 8.88	2350/203980							206
625/17	9.98 13.4	3050/264740	8.60 11.5	3050/264740	7.63 10.2	3050/264740	5.86 7.86	2695/233926	5.56 7.46	3050/264740	207
625/19											207
626/19	13.5 18.1	4140/359352	11.7 15.7	4140/359352	10.4 13.9	4140/359352	7.70 10.3	3540/307272	7.55 10.1	4140/359352	208
627/19	20.1 27.0	6150/533820	17.3 23.2	6150/533820	15.4 20.6	6150/533820	13.4 18.0	6150/533820	11.2 15.0	6150/533820	208

*Please avoid use at the full input capacity and use within the allcwable output torque for frame sizes shown in the columm.

*Please refer to the Allowable Overhung Load for each frame size as shown on page 225.

Ratio	1247 (43 x 29)		1479 (87 x 17)		1849 (43 x 43)		2065 (59 x 35)		2537 (59 x 43)		Dimension page
Output Speed(R.P.M.)	1.2		1.0		0.81		0.73		0.59		
Frame Size	Input kw/HP	Output Torque kg . m / in . lb	Input kw/HP	Output Torque kg . m / in . lb	Input kw/HP	Output Torque kg . m / in . lb	Input kw/HP	Output Torque kg . m / in . lb	Input kw/HP	Output Torque kg . m / in . lb	
607/07	0.10 0.13	2.50/217			0.10 0.13	2.50/217					191
608/07	0.10 0.13	5.10/443			0.10 0.13	5.10/443	0.10 0.13	5.10/443	0.10 0.13	5.10/443	191
609/08	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	192
610/08	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	192
611/08	0.10 0.13	51.0/4427	0.10 0.13	51.0/4427	0.10 0.13	51.0/4427	0.10 0.13	51.0/4427	0.10 0.13	51.0/4427	193
611/09											193
613/08	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	194
613/09											194
613/10											195
614/08	0.20 0.27	103/8940	0.20 0.27	103/8940	0.20 0.27	103/8940	0.20 0.27	103/8940	0.20 0.27	103/8940	195
614/09											196
614/10											196
616/09	0.40 0.54	183/15884	0.40 0.54	183/15884	0.20 0.27	183/15884	0.20 0.27	183/15884	0.20 0.27	183/15884	197
616/10											197
616/11											198
617/09	0.40 0.54	278/24130	0.40 0.54	278/24130	0.40 0.54	278/24130	0.40 0.54	278/24130	0.20 0.27	278/24130	198
617/10											199
617/11											199
618/10	0.75 1.00	410/35588	0.75 1.00	410/35588	0.75 1.00	410/35588	0.40 0.54	410/35588	0.40 0.54	410/35588	200
618/13											200
619/11	1.07 1.43	730/63364	0.90 1.21	730/63364	0.75 1.00	730/63364	0.75 1.00	730/63364	0.75 1.00	730/63364	201
619/13			0.90 1.21	730/63364							201
620/11					1.50 2.01	810/70308	1.50 2.01	810/70308	0.75 1.00	810/70308	202
620/13	1.50 2.01	840/72912			1.50 2.01	840/72912	1.50 2.01	840/72912	0.75 1.00	840/72912	202
621/13	2.20 2.95	1130/98084	1.50 2.01	1130/98084	1.50 2.01	1140/98952	1.50 2.01	1140/98952	1.50 2.01	1140/98952	203
621/16											203
622/13	2.20 2.95	1420/123256	2.20 2.95	1420/123256	1.50 2.01	1440/124992	1.50 2.01	1440/124992	1.50 2.01	1440/124992	204
622/17											204
623/16	2.68 3.59	1825/158410	2.20 2.95	1640/142352	2.20 2.95	1825/158410	2.20 2.95	1825/158410	2.20 2.95	1825/158410	205
623/18											205
624/16	3.45 4.63	2350/203980	2.56 3.43	2070/179676	2.32 3.11	2350/203980	2.20 2.95	2350/203980	2.20 2.95	2350/203980	206
624/18											206
625/17	4.47 5.99	3050/264740	3.70 4.96	2695/233926	3.70 4.96	3050/264740	3.70 4.96	3050/264740	3.70 4.96	3050/264740	207
625/19											207
626/19	6.07 8.14	4140/359352	5.50 7.38	3650/316820	5.50 7.38	4140/359352	5.50 7.38	4140/359352	5.50 7.38	4100/359352	208
627/19	11.0 14.8	6150/533820	11.0 14.8	6150/533820	7.50 10.0	6150/533820	7.50 10.0	6150/533820	7.50 10.0	6150/533820	208

*Please avoid use at the full input capacity and use within the allowable output torque for frame sizes shown in the ▭ columm.

*Please refer to the Allowable Overhung Load for each frame size as shown on page 225.

Ratio	3045 (87 x35)		3481 (59x 59)		4437 (87 x 51)		5133 (87 x 59)		6177 (87 x 71)		7569 (87 x 87)		Dimension page
Output Speed(R.P.M.)	0.49		0.43		0.34		0.29		0.24		0.20		
Frame Size	Input kw/HP	Output Torque kg ・m / in ・lb	Input kw/HP	Output Torque kg ・m / in ・lb	Input kw/HP	Output Torque kg ・m / in ・lb	Input kw/HP	Output Torque kg ・m / in ・lb	Input kw/HP	Output Torque kg ・m / in ・lb	Input kw/HP	Output Torque kg ・m / in ・lb	
607/07													191
608/07													191
609/08	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128					192
610/08	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257					192
611/08	0.10 0.13	51.0/4427	0.10 0.13	51.0/4427	0.10 0.13	51.0/4427	0.10 0.13	51.0/4427					193
611/09									0.10 0.13	51.0/4427	0.10 0.13	51.0/4427	193
6213/08	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684					194
613/09									0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	194
613/10													195
614/08	0.20 0.27	103/8940	0.20 0.27	103/8940	0.20 0.27	103/8940	0.20 0.27	103/8940					195
614/09									0.20 0.27	103/8940	0.20 0.27	103/8940	196
614/10													196
616/09	0.20 0.27	183/15884	0.20 0.27	183/15834	0.20 0.27	183/15884	0.20 0.27	183/15884	0.20 0.27	183/15884	0.20 0.27	183/15884	197
616/10													197
616/11													198
617/09	0.20 0.27	278/24130	0.20 0.27	278/24130	0.20 0.27	278/24130	0.20 0.27	278/24130	0.20 0.27	278/24130	0.20 0.27	278/24130	198
617/10													199
617/11													199
618/10	0.40 0.54	410/35588	0.40 0.54	410/35588	0.40 0.54	410/35588	0.40 0.54	410/35588	0.40 0.54	410/35588	0.40 0.54	410/35588	200
618/13													200
619/11	0.75 1.00	730/63364	0.75 1.00	730/63364	0.75 1.00	730/63364	0.75 1.00	730/63364	0.75 1.00	730/63364	0.75 1.00	730/63364	201
619/13													201
620/11			0.75 1.00	860/74648			0.75 1.00	860/74648					202
620/13													202
621/13	1.50 2.01	955/82894	1.50 2.01	1140/98952	1.50 2.01	950/82460	1.50 2.01	1140/98952	1.50 2.01	950/82460	1.50 2.01	950/82460	203
621/16													203
622/13	1.50 2.01	1250/108500	1.50 2.01	1440/124992	1.50 2.01	1275/110670	1.50 2.01	1440/124992	1.50 2.01	1275/100670	1.50 2.01	1275/110670	204
622/17													204
623/16	2.20 2.95	1620/140616	2.20 2.95	1810/157108	2.20 2.95	1600/138880	2.20 2.95	1810/157108	2.20 2.95	1600/138880	2.20 2.95	1600/138880	205
623/18													205
624/16	2.20 2.95	2050/177940	2.20 2.95	2350/203980	2.20 2.95	2050/177940	2.20 2.95	2350/203980	2.20 2.95	2050/177940	2.20 2.95	2050/177940	206
624/18													206
625/17	3.70 4.96	2650/227700	3.70 4.96	3050/264740	3.70 4.96	2650/230020	3.70 4.96	3050/264740	3.70 4.96	2650/230020	3.70 4.96	2650/230020	207
625/19													207
626/19	5.50 7.38	3540/307272	5.50 7.38	4100/355880	5.50 7.38	3520/305536	5.50 7.38	4100/355880	5.50 7.38	3520/305536	5.50 7.38	3520/305536	208
627/19	7.50 10.0	6150/533820	7.50 10.0	6150/533820	7.50 10.0	6150/533820	7.50 10.0	6150/533820	7.50 10.0	6150/533820	7.50 10.0	6150/533820	208

*Please avoid use at the full input capacity and use within the allowable output torque for frame sizes shown in the ▭ columm.

*Please refer to the Allowable Overhung Load for each frame size as shown on page 225.

SELECTION TABLE FOR DOUBLE STAGE REDUCERS

(Allowable Transmission Input - Output Capacity) **Input at 1800 R.P.M.**

Ratio	104 (13 x 8)		121 (11 x 11)		143 (13 x 11)		165 (15 x 11)		195 (15 x 13)		Dimension page
Output Speed(R.P.M.)	17		15		13		11		9.2		
Frame Size	Input kw/HP	Output Torque kg - m / in - lb	Input kw/HP	Output Torque kg - m / in - lb	Input kw/HP	Output Torque kg - m / in - lb	Input kw/HP	Output Torque kg - m / in - lb	Input kw/HP	Output Torque kg - m / in - lb	
607/07			0.10 0.13	2.50/217	0.10 0.13	2.50/217	0.10 0.13	2.50/217	0.10 0.13	2.50/217	191
608/07			0.10 0.13	4.40/382	0.10 0.13	4.95/430	0.10 0.13	5.10/443	0.10 0.13	5.10/443	191
609/08	0.21 0.28	10.1/877	0.18 0.24	10.2/885	0.17 0.23	11.2/972	0.17 0.23	12.7/1102	0.15 0.20	13.0/1128	192
610/08	0.41 0.55	19.4/1684	0.38 0.51	21.1/1831	0.34 0.46	22.0/1910	0.34 0.46	26.0/2257	0.29 0.39	26.0/2257	192
611/08	0.40 0.54	19.1/1658	0.40 0.54	22.0/1909	0.40 0.54	26.1/2265	0.40 0.54	30.5/2647	0.40 0.54	36.0/3125	193
611/09	0.97 1.30	45.8/3975	0.85 1.14	46.9/4071	0.77 1.03	50.0/4340	0.68 0.91	51.0/4427	0.57 0.76	51.0/4427	193
613/08											194
613/09	1.36 1.84	65.0/5642	1.22 1.64	67.0/5816	1.18 1.58	77.0/6684	1.02 1.37	77.0/6684	0.87 1.17	77.0/6684	194
613/10	1.62 2.17	77.0/6684	1.40 1.88	77.0/6684	1.18 1.58	77.0/6684	1.02 1.37	77.0/6684			195
614/08											195
614/09					1.23 1.63	80.0/6944	1.21 1.62	91.0/7899	1.03 1.38	91.6/7951	196
614/10	2.15 2.88	102/854	1.74 2.33	96.2/8350	1.56 2.09	102/8854	1.37 1.84	103/8940	1.16 1.56	103/8940	196
616/09											197
616/10	3.38 4.53	160/13888	3.08 4.13	170/1475	2.76 3.70	180/15624	2.42 3.24	182/15798	2.06 2.76	183/15884	197
616/11	3.84 5.15	182/15798	3.30 4.42	182/15798	2.79 3.74	182/15798					198
617/09											198
617/10							3.06 4.10	230/19964	2.69 3.61	239/20745	199
617/11	5.09 6.82	241/20919	4.64 6.22	256/22221	4.23 5.67	276/23957	3.50 4.69	263/22828	3.11 4.17	276/23957	199
618/10											200
618/13	8.49 11.4	402/34894	6.11 8.19	337/29252	6.14 8.23	400/34720	5.45 7.31	410/35588	5.62 6.20	410/35588	200
619/11									5.63 7.55	500/43400	201
619/13	10.6 14.2	500/43400	9.61 12.9	530/46004	8.75 11.7	570/49476	7.60 10.2	571/49563	6.87 9.21	610/52948	201
620/11											202
620/13			9.87 13.2	544/47219			8.91 11.9	6.70/58156	7.82 10.5	695/60326	202
621/13			9.89 13.2	545/47306			9.91 13.3	745/64666	9.46 12.7	840/72912	203
621/16			12.9 17.3	711/61715			11.3 15.2	850/73780	9.57 12.8	850/73780	203
622/13									9.79 13.1	870/75516	204
622/17			16.5 22.1	910/78988			14.6 19.6	1100/95480	12.6 16.9	1120/99216	204
623/16			18.3 24.5	1010/87668			18.1 24.3	1360/118048	15.9 21.3	1410/122388	205
623/18			20.1 27.0	1110/96348			18.1 24.3	1360/118048	15.8 21.2	1400/121520	205
624/16							18.2 24.4	1365/118482	17.4 23.3	1550/134540	206
624/18			25.6 34.3	1410/122388			24.1 32.3	1810/157108	20.4 27.3	1810/157108	206
625/17			27.4 36.7	1510/122388			27.3 36.6	2052/178114	26.4 35.4	2345/203546	207
625/19			33.0 44.2	1820/157976			32.0 42.9	2405/208754			207
626/19			42.9 57.5	2365/205282			39.0 52.3	2931/254411	34.7 46.5	3082/267518	208

*Please avoid use at the full input capacity and use within the allowable output torque for frame sizes shown in the ▭ columm.

*Please refer to the Allowable Overhung Load for each frame size as shown on page 225.

Ratio	231 (21 x 11)		273 (21 x 13)		319 (29 x 11)		377 (29 x 13)		473 (43 x 11)		Dimension page
Output Speed(R.P.M.)	7.8		6.6		5.6		4.8		3.8		
Frame Size	Input kw/HP	Output Torque kg · m / in · lb	Input kw/HP	Output Torque kg · m / in · lb	Input kw/HP	Output Torque kg · m / in · lb	Input kw/HP	Output Torque kg · m / in · lb	Input kw/HP	Output Torque kg · m / in · lb	
607/07	0.10 0.13	2.50/217	0.10 0.13	2.50/217	0.10 0.13	2.50/217	0.10 0.13	2.50/217	0.10 0.13	2.50/217	191
608/07	0.10 0.13	5.10/443	0.10 0.13	5.10/443	0.10 0.13	5.10/443	0.10 0.13	5.10/443	0.10 0.13	5.10/443	191
609/08	0.12 0.16	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.01128	192
610/08	0.25 0.34	26.0/2257	0.21 0.28	26.0/2257	0.18 0.24	26.0/2257	0.15 0.20	26.0/2257	0.12 0.16	26.0/2257	192
611/08	0.40 0.54	42.2/3663	0.40 0.54	50.5/4383	0.35 0.47	51.0/4427	0.30 0.40	51.0/4427	0.24 0.32	51.0/4427	193
611/09	0.48 0.64	51.0/4427	0.41 0.55	51.0/4427							193
613/08							0.40 0.54	69.5/6033	0.36 0.48	77.0/6684	194
613/09	0.73 0.98	77.0/6684	0.62 0.83	77.0/6684	0.53 0.71	77.0/6684	0.45 0.60	77.0/6684			194
613/10											195
614/08									0.41 0.55	87.5/7595	195
614/09	0.97 1.30	102/8854	0.83 1.10	103/8940	0.71 0.95	103/8940	0.60 0.80	103/8940	0.48 0.64	103/8940	196
614/10	0.98 1.31	103/8940	0.82 1.11	103/8940							196
616/09	1.33 1.78	140/12152	1.25 1.68	155/13454	1.24 1.66	180/15624	1.06 1.42	183/15884	0.85 1.14	183/15884	197
616/10	1.74 2.32	183/15884	1.47 1.97	183/15884	1.26 1.69	183/15884	1.06 1.42	183/15884			197
616/11											198
617/09									1.19 1.60	256/22221	198
617/10	2.64 3.54	278/24130	2.24 3.00	278/24130	1.85 2.48	269/3349	1.62 2.17	278/24130	1.28 1.72	277/24044	199
617/11	2.64 3.54	278/24130			1.91 2.56	278/24130					199
618/10	2.80 3.75	295/25606	2.67 3.58	332/28818	2.63 3.53	382/33158	2.35 3.15	404/35067	1.90 2.55	410/35588	200
618/13	3.90 5.23	410/35588	3.30 4.42	410/35588	2.82 3.78	410/35588	2.39 3.20	410/35588			200
619/11	4.99 6.69	525/45570	4.34 5.82	540/46872	3.72 4.99	540/46872			2.88 3.86	620/53816	201
619/13	6.79 9.10	715/62062	5.88 7.88	731/63451	4.84 6.49	703/61020	4.25 5.70	730/63364	3.39 4.55	730/63364	201
620/11											202
620/13	6.94 9.31	730/63364			5.00 6.70	727/63104			3.95 5.30	851/73867	202
621/13	9.16 12.3	964/83675	7.79 10.4	969/84109	6.64 8.90	965/83762	5.66 7.59	972/84370	5.24 7.03	1130/98084	203
621/16	9.20 12.3	968/84022			6.64 8.90	965/83762			5.29 7.09	1140/98952	203
622/13	9.93 13.3	1045/90706	9.40 12.6	1169/101469	8.51 11.4	1237/107372	7.46 10.0	1281/111191	6.63 8.89	1429/124037	204
622/17	11.9 16.0	1250/108500	10.2 13.7	1268/110062	8.52 11.4	1238/107458	7.28 9.76	1250/108500			204
623/16	14.4 19.3	1520/131936	12.7 17.0	1580/137144	10.4 13.9	1511/131155	9.10 12.2	1563/135668	8.16 10.9	1758/152594	205
623/18											205
624/16	18.2 24.4	1920/166656	16.2 21.7	2020/175336	13.1 17.6	1910/165788	11.6 15.6	2000/173600	10.7 14.3	2310/200508	206
624/18	19.0 25.5	2000/173600	16.4 22.0	2040/177072	13.6 18.2	1970/170996	11.6 15.6	2000/173600	10.8 14.5	2320/201376	206
625/17	25.5 33.8	2650/230020	16.4 22.0	2650/230020	18.2 24.4	2650/230020	15.4 20.6	2650/230020	14.2 19.0	3050/264740	207
625/19	25.2 33.8	2650/230020									207
626/19	31.4 42.1	3304/286787	27.9 37.4	3470/301196	23.0 30.8	3342/290086	20.4 27.3	3500/303800	18.4 24.9	4000/347200	208
627/19					37.9 50.8	5510/478268	33.8 45.3	5800/503440	26.7 35.8	5753/499360	208

*Please avoid use at the full input capacity and use within the allowable output torque for frame sizes shown in the ▭ columm.

*Please refer to the Allowable Overhung Load for each frame size as shown on page 225.

Ratio	559 (43 x 13)		649 (59 x 11)		731 (43 x 17)		841 (29 x 29)		1003 (59 x 17)		Dimension page
Output Speed(R.P.M.)	3.2		2.8		2.5		2.1		1.8		
Frame Size	Input kw/HP	Output Torque kg · m / in · lb	Input kw/HP	Output Torque kg · m / in · lb	Input kw/HP	Output Torque kg · m / in · lb	Input kw/HP	Output Torque kg · m / in · lb	Input kw/HP	Output Torque kg · m / in · lb	
607/07	0.10 0.13	2.50/217			0.10 0.13	2.50/217	0.10 0.13	2.50/217			191
608/07	0.10 0.13	5.10/443	0.10 0.13	5.10/443	0.10 0.13	51.0/443	0.10 0.13	5.10/443	0.10 0.13	5.10/443	191
609/08	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	192
610/08	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	192
611/08	0.20 0.27	51.0/4427	0.17 0.23	51.0/4427	0.15 0.20	51.0/4427	0.13 0.17	51.0/4427	0.11 0.15	51.0/4427	193
611/09											193
613/08	0.30 0.40	77.0/6684	0.26 0.35	77.0/6684	0.23 0.31	77.0/6684	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	194
613/09											194
613/10											195
614/08	0.40 0.54	102/8854	0.35 0.47	103/8940	0.31 0.42	102/8854	0.25 0.34	95.8/8315	0.22 0.30	103/8940	195
614/09	0.40 0.54	103/8940					0.27 0.36	103/8940			196
614/10											196
616/09	0.72 0.96	183/15884	0.62 0.83	183/15884	0.55 0.74	183/15884	0.48 0.64	183/15884	0.40 0.54	183/15884	197
616/10											197
616/11											198
617/09	1.06 1.42	270/23436	0.90 1.21	266/23890	0.83 1.11	276/23957	0.69 0.92	264/22915	0.61 0.82	278/24130	198
617/10	1.09 1.46	277/24044	0.93 1.25	276/23957			0.72 0.97	277/24044			199
617/11											199
618/10	1.61 2.16	410/35588	1.38 1.85	408/35414	1.23 1.65	410/35588	1.07 1.43	410/35588	0.90 1.21	410/35588	200
618/13			1.39 1.86	410/35588							200
619/11	2.34 3.14	595/51646	2.06 2.76	610/52948	1.89 2.53	631/54771	1.89 2.53	725/62930	1.43 1.92	653/56680	201
619/13	2.87 3.85	730/63364	2.47 3.31	730/63364	2.19 2.94	730/63364	1.90 2.55	730/63364	1.60 2.14	730/63364	201
620/11											202
620/13	3.30 4.42	840/72912	2.84 3.81	840/72912	2.52 3.38	840/72912			2.20 2.95	840/72912	202
621/13	4.44 5.95	1130/98084	3.83 5.14	1132/98258	3.39 4.55	1136/98587	2.50 3.35	958/83154	2.49 3.34	1140/98952	203
621/16											203
622/13	5.62 7.54	1430/124124	4.84 6.49	1430/124124	4.32 5.79	1440/124992	3.51 4.71	1345/116746	3.15 4.22	1440/124992	204
622/17											204
623/16	7.17 9.62	1820/157976	6.00 8.11	1774/153983	5.46 7.32	1820/157976	4.24 5.69	1624/140963	3.98 5.34	1820/157976	205
623/18											205
624/16	9.31 12.5	2371/205803	7.78 10.4	2300/199640	7.11 9.53	2368/205542	5.48 7.35	2100/182280	5.14 6.89	2350/203980	206
624/18			7.80 10.5	2306/200161							206
625/17	11.9 16.0	3030/263004	10.3 13.8	3050/264740	9.16 12.3	3050/264740	7.02 9.41	2690/233492	6.68 8.96	3050/264760	207
625/19											207
626/19	16.1 21.6	4100/355880	13.5 18.1	4000/347200	12.3 16.5	4100/355880	9.40 12.6	3600/312480	8.97 12.0	4100/355880	208
627/19	24.0 32.2	6100/529480	20.1 27.0	5950/516460	18.4 24.7	6140/532952	16.0 21.4	6150/533820	13.4 18.0	6140/532952	208

*Please avoid use at the full input capacity and use within the allowable output torque for frame sizes shown in the ▭ columm.

*Please refer to the Allowable Overhung Load for each frame size as shown on page 225.

Ratio	1247 (43 x 29)		1479 (87 x 17)		1849 (43 x 43)		2065 (59 x 35)		2537 (59 x 43)		Dimension page
Output Speed(R.P.M.)	1.4		1.2		0.97		0.87		0.71		
Frame Size	Input kw/HP	Output Torque kg・m / in・lb	Input kw/HP	Output Torque kg・m / in・lb	Input kw/HP	Output Torque kg・m / in・lb	Input kw/HP	Output Torque kg・m / in・lb	Input kw/HP	Output Torque kg・m / in・lb	
607/07	0.10 0.13	2.50/217			0.10 0.13	2.50/217					191
608/07	0.10 0.13	5.10/443			0.10 0.13	5.10/443	0.10 0.13	5.10/443	0.10 0.13	5.10/443	191
609/08	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	192
610/08	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	192
611/08	0.10 0.13	51.0/4427	0.10 0.13	51.0/4427	0.10 0.13	51.0/4427	0.10 0.13	51.0/4427	0.10 0.13	51.0/4427	193
611/09											193
613/08	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	194
613/09											194
613/10											195
614/08	0.20 0.27	103/8940	0.20 0.27	103/8940	0.20 0.27	103/8940	0.20 0.27	102/8854	0.20 0.27	103/8940	195
614/09											196
614/10											196
616/09	0.40 0.54	183/15884	0.40 0.54	183/15884	0.40 0.54	183/15884	0.20 0.27	183/15884	0.20 0.27	183/15884	197
616/10											197
616/11											198
617/09	0.49 0.66	278/24130	0.41 0.55	278/24130	0.40 0.54	278/24130	0.40 0.54	278/24130	0.40 0.54	278/24130	198
617/10											199
617/11											199
618/10	0.75 1.00	410/35588	0.75 1.00	410/35588	0.75 1.00	410/35588	0.75 1.00	410/35588	0.40 0.54	410/35588	200
618/13											200
619/11	1.28 1.72	730/63364	1.08 1.45	730/63364	0.87 1.17	730/63364	0.78 1.05	730/63364	0.75 1.00	730/63364	201
619/13			1.08 1.45	730/63364							201
620/11	1.42 1.90	810/70308			1.50 2.01	810/70308	1.50 2.01	795/69006	0.75 1.00	785/68138	202
620/13	2.20 2.95	840/7291211			1.50 2.01	840/72912	1.50 2.01	840/72912	0.75 1.00	840/72912	202
621/13	2.20 2.95	1140/98952	1.50 2.01	950/82460	1.50 2.01	1140/98952	1.50 2.01	1140/98952	1.50 2.01	1140/98952	203
621/16											203
622/13	2.53 3.39	1440/124992	1.90 2.55	1280/11104	1.71 2.29	1440/124992	1.53 2.05	1440/124992	1.50 2.01	1440/124992	204
622/17											204
623/16	3.20 4.29	1820/157976	2.40 3.22	1620/140616	2.20 2.95	1820/157976	2.20 2.95	1820/157976	2.20 2.95	1820/157976	205
623/18											205
624/16	4.14 5.55	2350/203980	3.04 4.08	2050/177940	2.79 3.74	2350/203980	2.50 3.35	2350/203980	2.20 2.95	2350/203980	206
624/18											206
625/17	5.37 7.20	3050/264740	4.08 5.47	2750/238700	3.70 4.96	3050/264740	3.70 4.96	3050/264740	3.70 4.96	3050/264740	207
625/19											207
626/19	7.22 9.68	4100/355880	5.50 7.38	3692/20466	5.50 7.38	4100/355880	5.50 7.38	4100/355880	5.50 7.38	4100/355880	208
627/19	11.0 14.8	6150/533820	11.0 14.8	6150/533820	7.50 10.0	6150/533820	7.50 10.0	6150/533820	7.50 10.0	6150/533820	208

*Please avoid use at the full input capacity and use within the allowable output torque for frame sizes shown in the ▭ columm.

*Please refer to the Allowable Overhung Load for each frame size as shown on page 225.

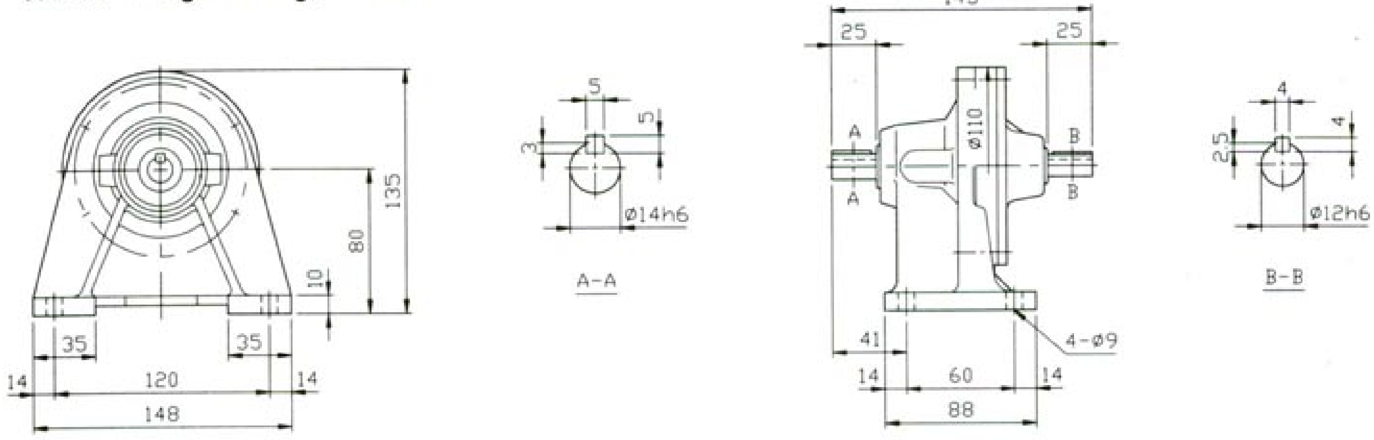
Ratio	3045 (87 x35)		3481 (59x 59)		4437 (87 x 51)		5133 (87 x 59)		6177 (87 x 71)		7569 (87 x 87)		Dimension page
Output Speed(R.P.M.)	0.59		0.52		0.41		0.35		0.29		0.24		
Frame Size	Input kw/HP	Output Torque kg · m / in · lb	Input kw/HP	Output Torque kg · m / in · lb	Input kw/HP	Output Torque kg · m / in · lb	Input kw/HP	Output Torque kg · m / in · lb	Input kw/HP	Output Torque kg · m / in · lb	Input kw/HP	Output Torque kg · m / in · lb	
607/07													191
608/07													191
609/08	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128	0.10 0.13	13.0/1128					192
610/08	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257	0.10 0.13	26.0/2257					192
611/08	0.10 0.13	51.0/4427	0.10 0.13	51.0/4427	0.10 0.13	51.0/4427	0.10 0.13	51.0/4427					193
611/09									0.10 0.13	51.0/4427	0.10 0.13	51.0/4427	193
6213/08	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	0.20 0.27	77./6684					194
613/09									0.20 0.27	77.0/6684	0.20 0.27	77.0/6684	194
613/10													195
614/08	0.20 0.27	103/8940	0.20 0.27	103/8940	0.20 0.27	103/8940	0.20 0.27	103/8940					195
614/09									0.20 0.27	103/8940	0.20 0.27	103/8940	196
614/10													196
616/09	0.20 0.27	183/15884	0.20 0.27	183/15884	0.20 0.27	183/15884	0.20 0.27	183/15884	0.20 0.27	183/15884	0.20 0.27	183/15884	197
616/10													197
616/11													198
617/09	0.20 0.27	278/24130	0.20 0.27	278/24130	0.20 0.27	278/24130	0.20 0.27	278/24130	0.20 0.27	278/24130	0.20 0.27	278/24130	198
617/10													199
617/11													199
618/10	0.40 0.54	410/35588	0.40 0.54	410/35588	0.40 0.54	410/35588	0.40 0.54	410/35588	0.40 0.54	410/35588	0.40 0.54	410/35588	200
618/13													200
619/11	0.75 1.00	730/63364	0.75 1.00	730/63364	0.75 1.00	730/63364	0.75 1.00	730/63364	0.75 1.00	730/63364	0.75 1.00	730/63364	201
619/13													201
620/11			0.75 1.00	860/74648			0.75 1.00	860/74648					202
620/13													202
621/13	1.50 2.01	950/82460	1.50 2.01	1140/98952	1.50 2.01	950/82460	1.50 2.01	1140/98952	1.50 2.01	950/82460	1.50 2.01	950/82460	203
621/16													203
622/13	1.50 2.01	1275/110670	1.50 2.01	1440/124992	1.50 2.01	1275/110670	1.50 2.01	1440/124992	1.50 2.01	1275/110670	1.50 2.01	1275/110670	204
622/17													204
623/16	2.20 2.95	1600/138880	2.20 2.95	1810/157108	2.20 2.95	1600/138880	2.20 2.95	1810/157108	2.20 2.95	1600/138880	2.20 2.95	1600/138880	205
623/18													205
624/16	2.20 2.95	2050/177940	2.20 2.95	2350/203980	2.20 2.95	2050/177940	2.20 2.95	2350/203980	2.20 2.95	2050/177940	2.20 2.95	2050177940	206
624/18													206
625/17	3.70 4.96	2650/230020	3.70 4.96	3050264740	3.70 4.96	2650/230020	3.70 4.96	3050/264740	3.70 4.96	2650/230020	3.70 4.96	2650/230020	207
625/19													207
626/19	5.50 7.38	3520/305536	5.50 7.38	4100/355880	5.50 7.38	3520/305536	5.50 7.38	4100/355880	5.50 7.38	3520/305536	5.50 7.38	3500/303800	208
627/19	7.50 10.0	6150/533820	7.50 10.0	6150/533820	7.50 10.0	6150/533820	7.50 10.0	6150/533820	7.50 10.0	6150/533820	7.50 10.0	6150/533820	208

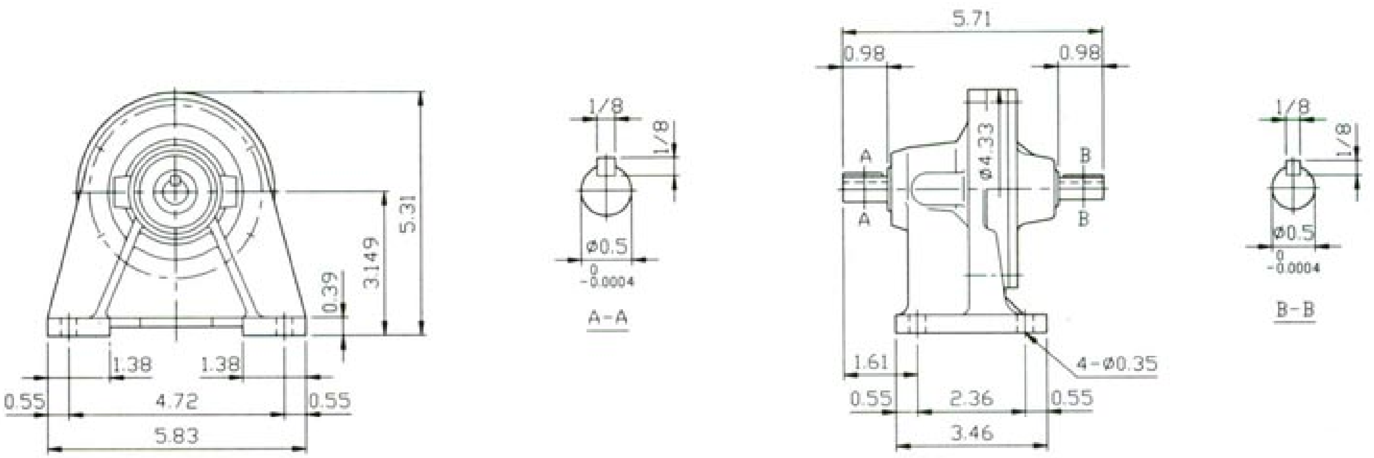
*Please avoid use at the full input capacity and use within the allowable output torque for frame sizes shown in the ▭ columm.

*Please refer to the Allowable Overhung Load for each frame size as shown on page 225.

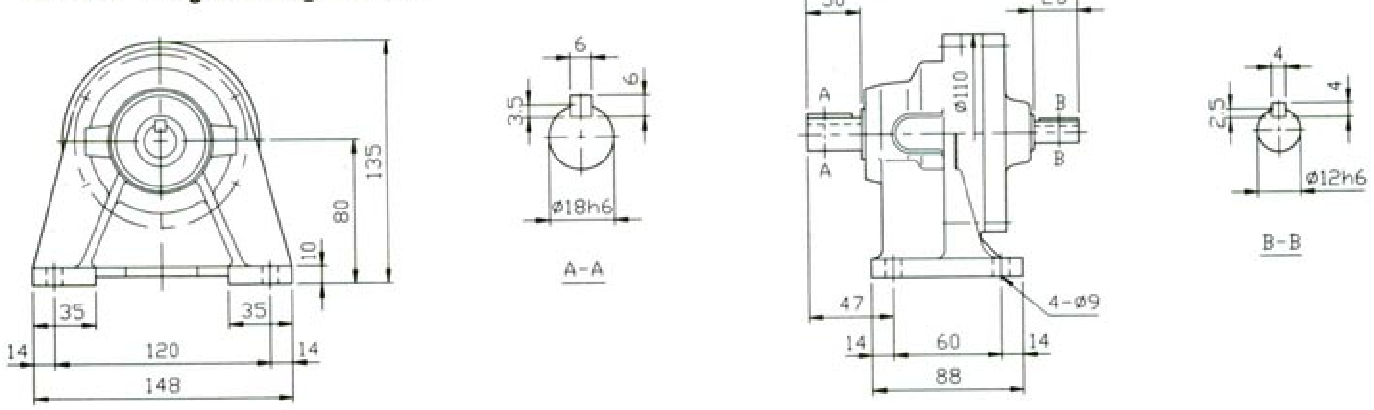
DIMENSION DRAWINGS Single Stage Reduction, Horizontal TRANSCYKO Speed Reducers

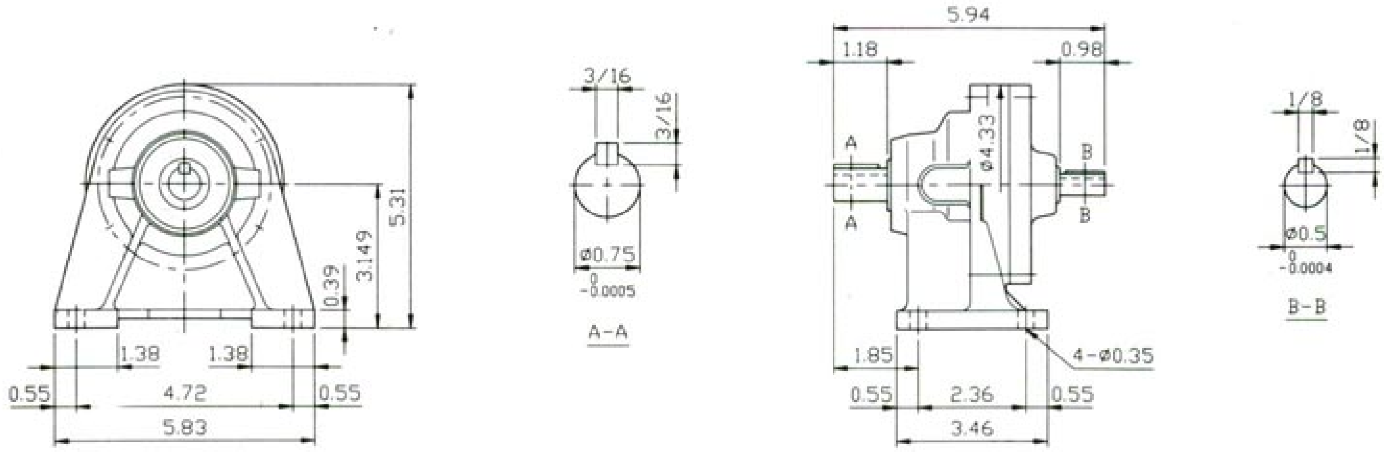
TH-607 Weight 2.5kg, 5.5 lbs



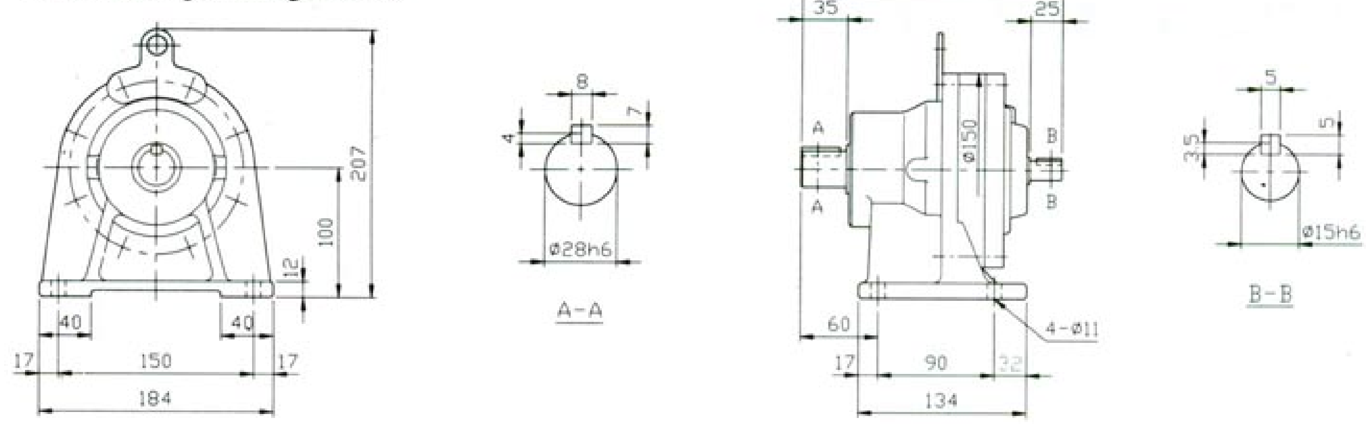


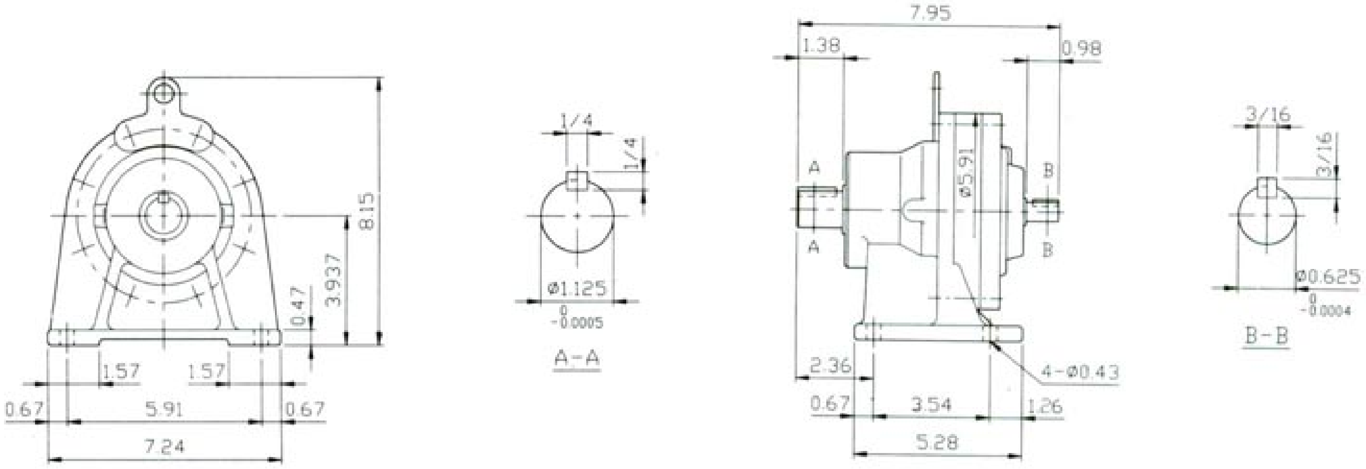
TH-608 Weight 2.5kg, 5.5 lbs



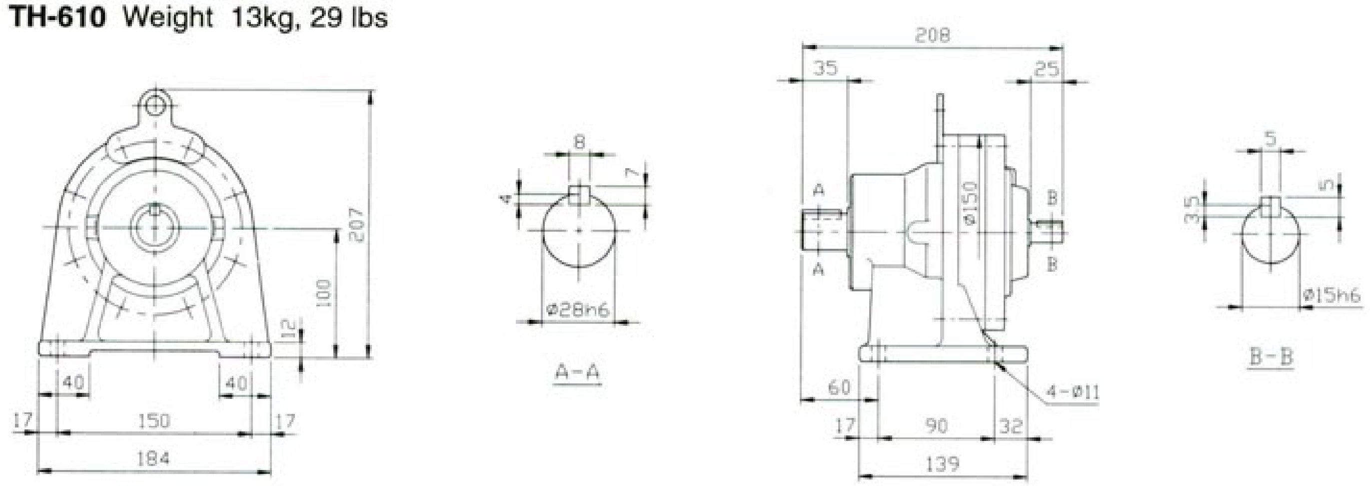


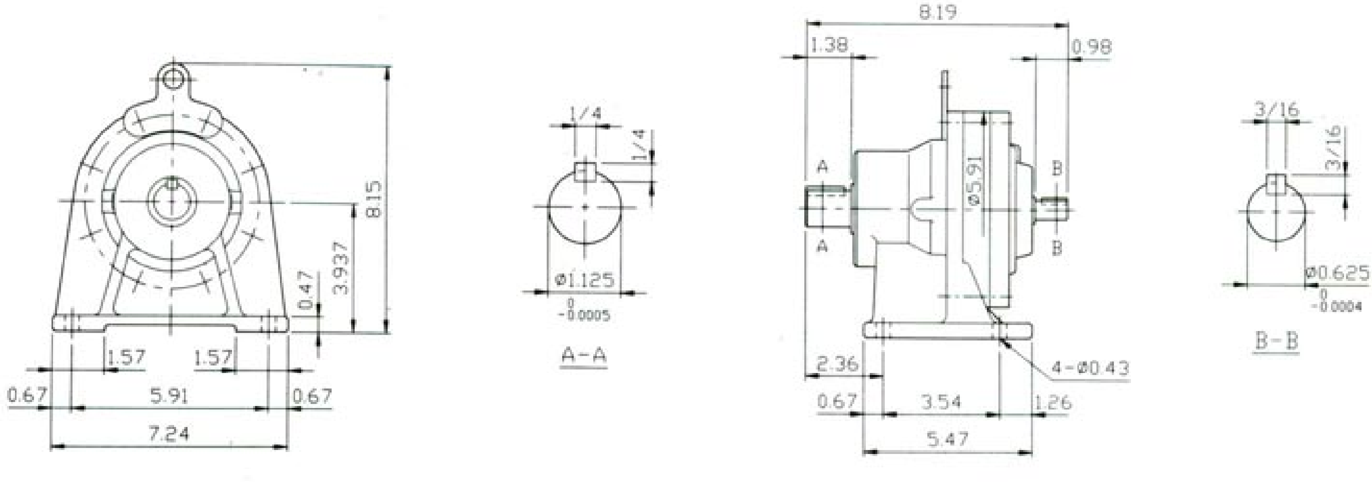
TH-609 Weight 12kg, 26 lbs



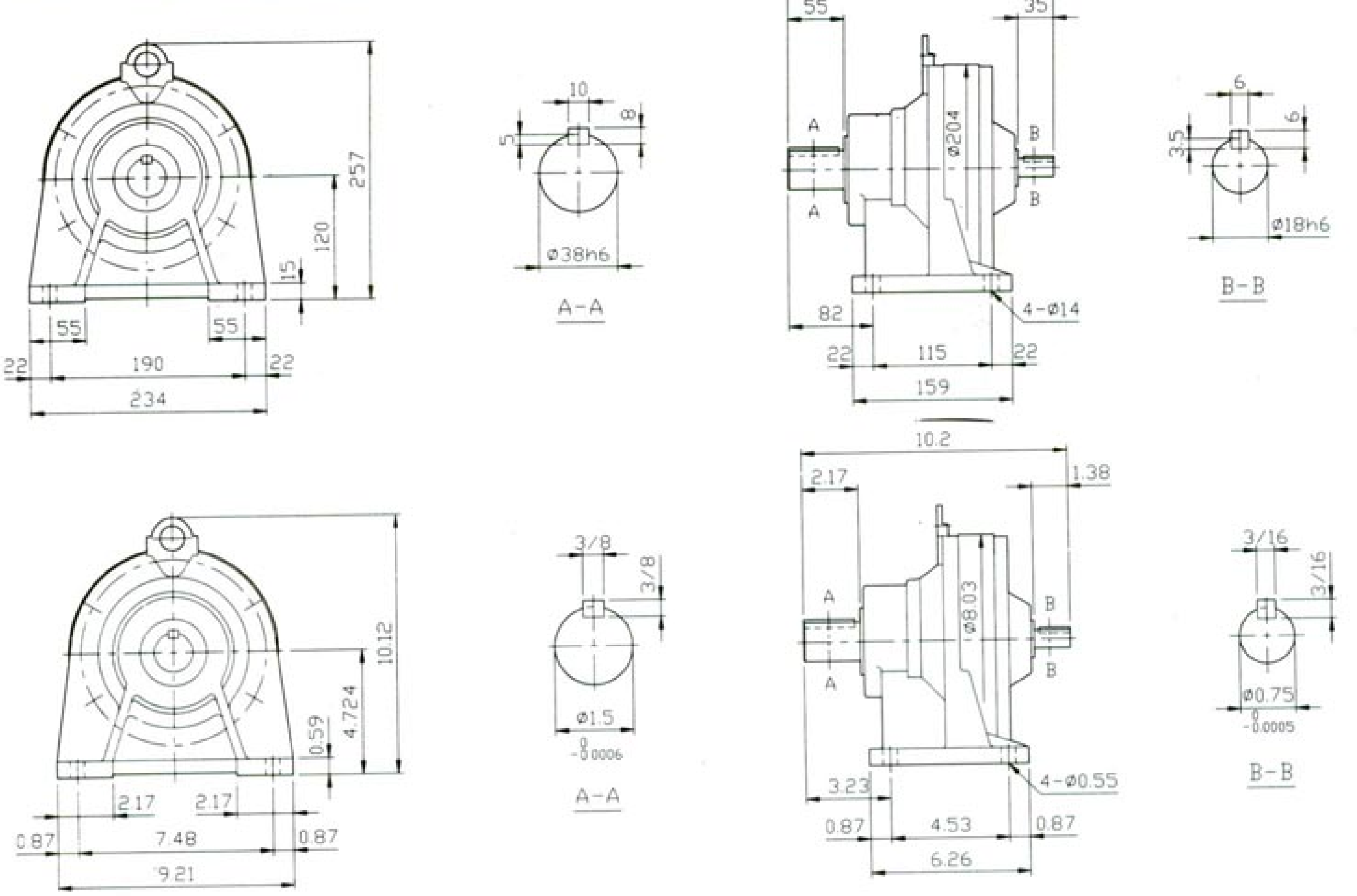


TH-610 Weight 13kg, 29 lbs

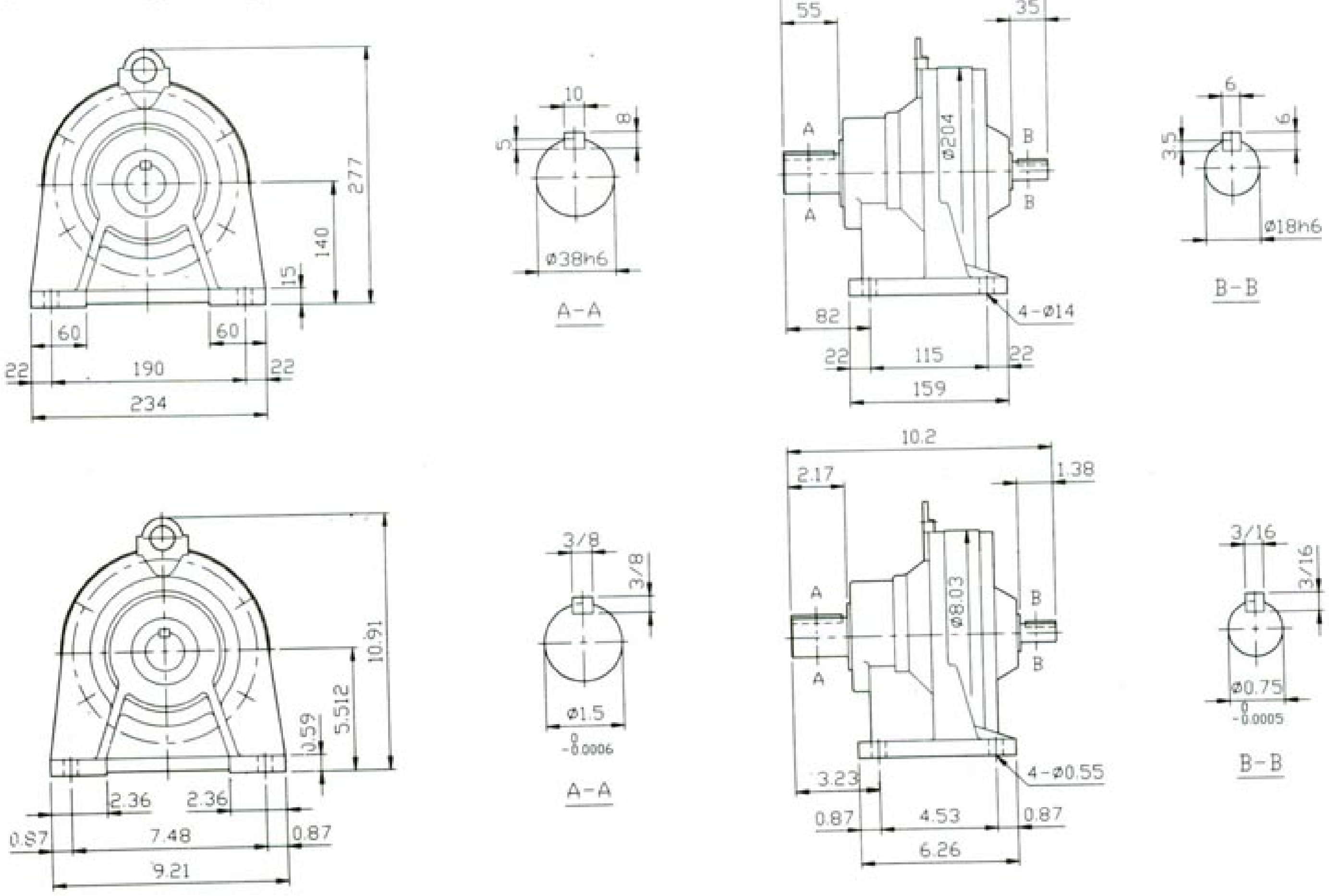




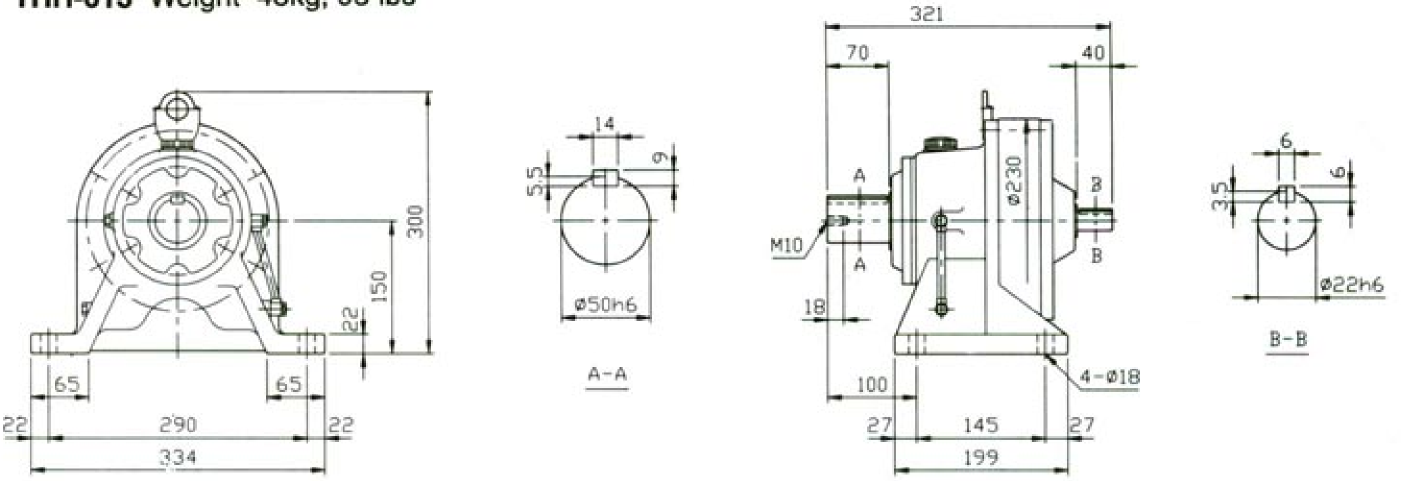
TH-611 Weight 24kg, 53 lbs

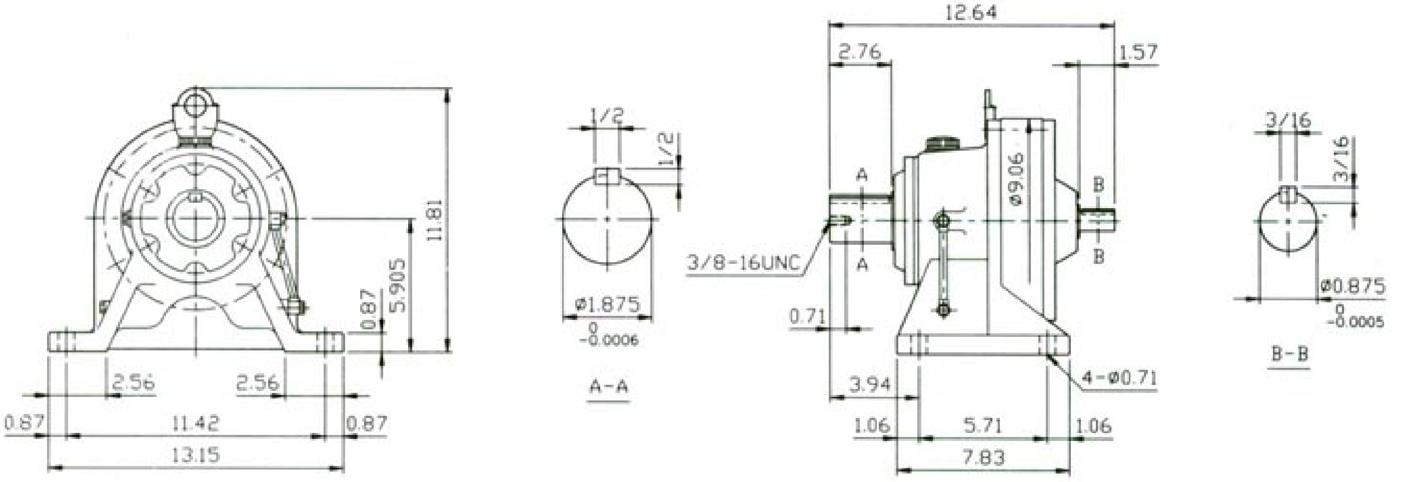


TH-612 Weight 25kg, 55 lbs

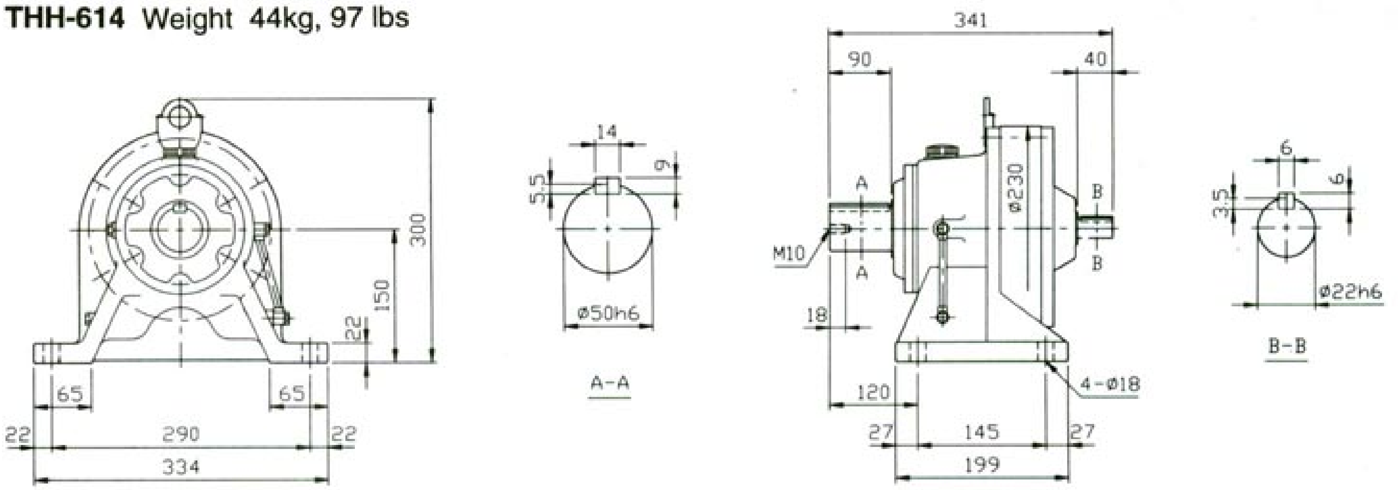


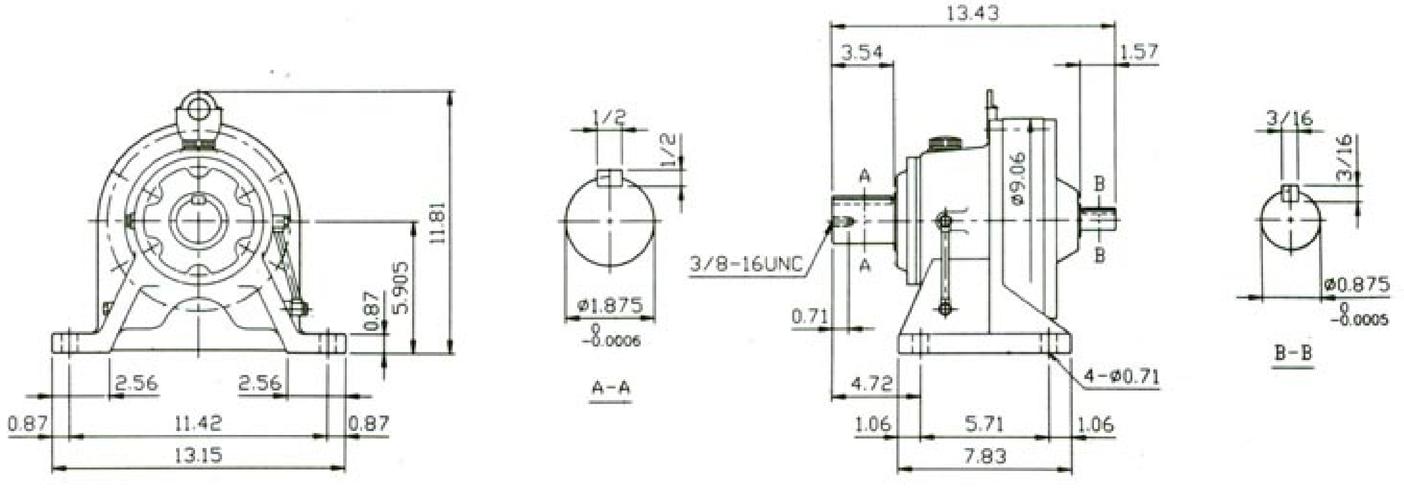
THH-613 Weight 43kg, 95 lbs



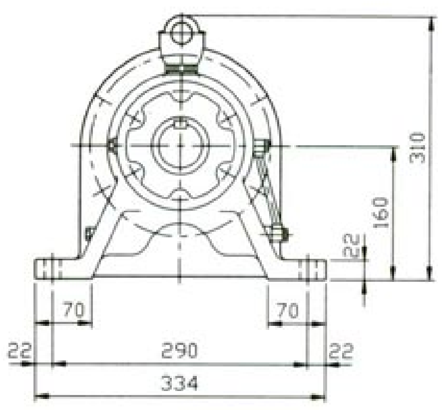


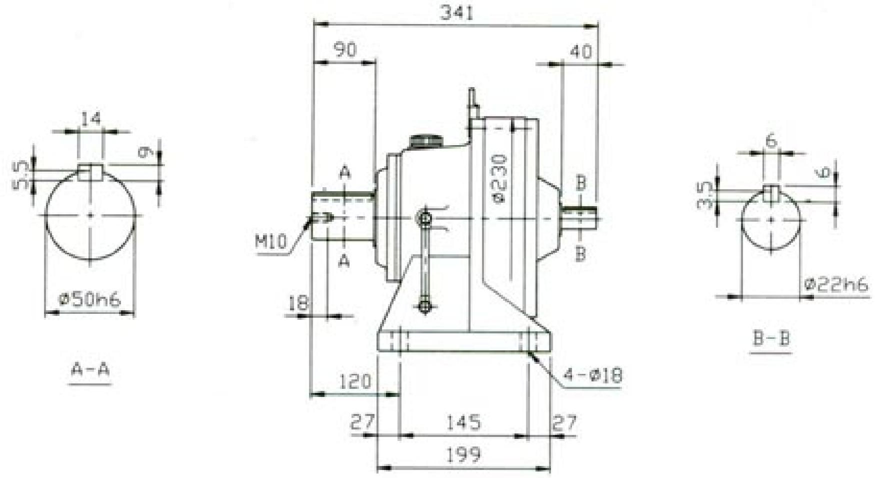
THH-614 Weight 44kg, 97 lbs

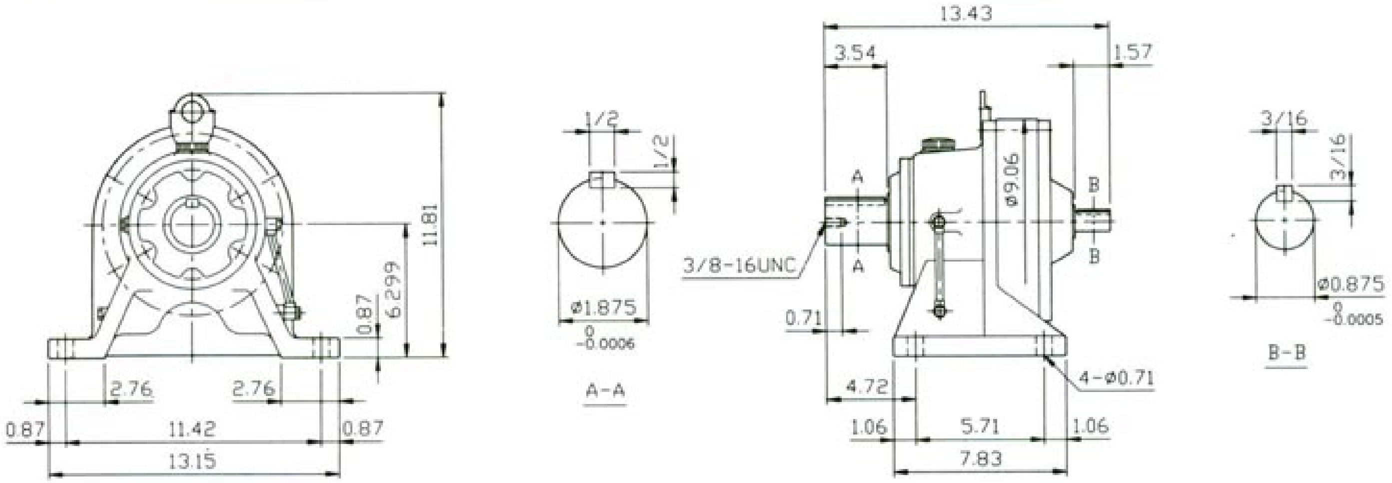




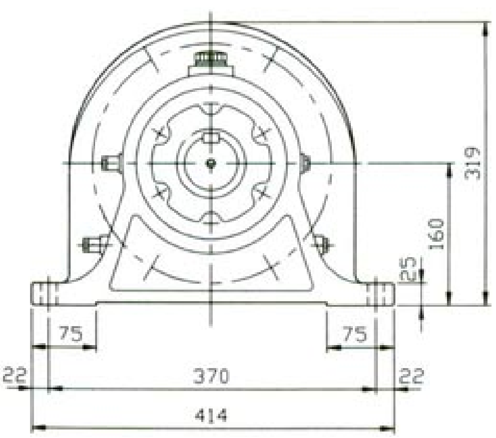
THH-615 Weight 46kg, 101 lbs

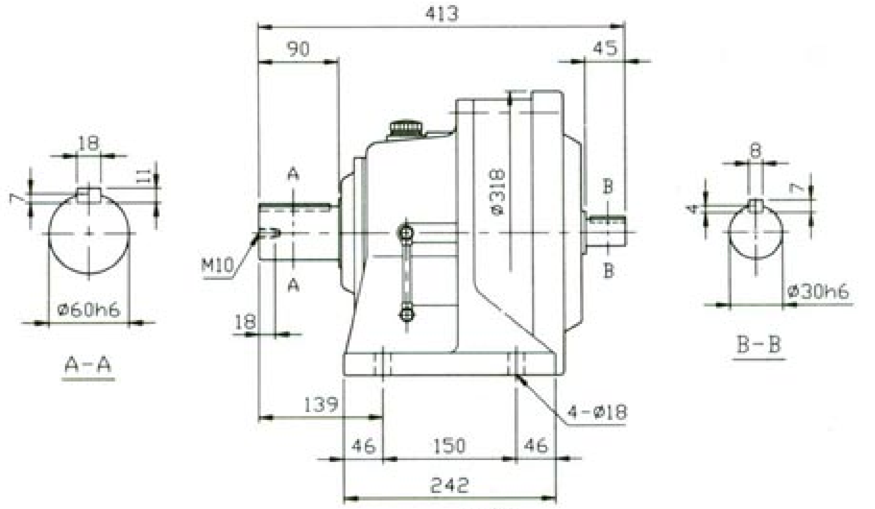


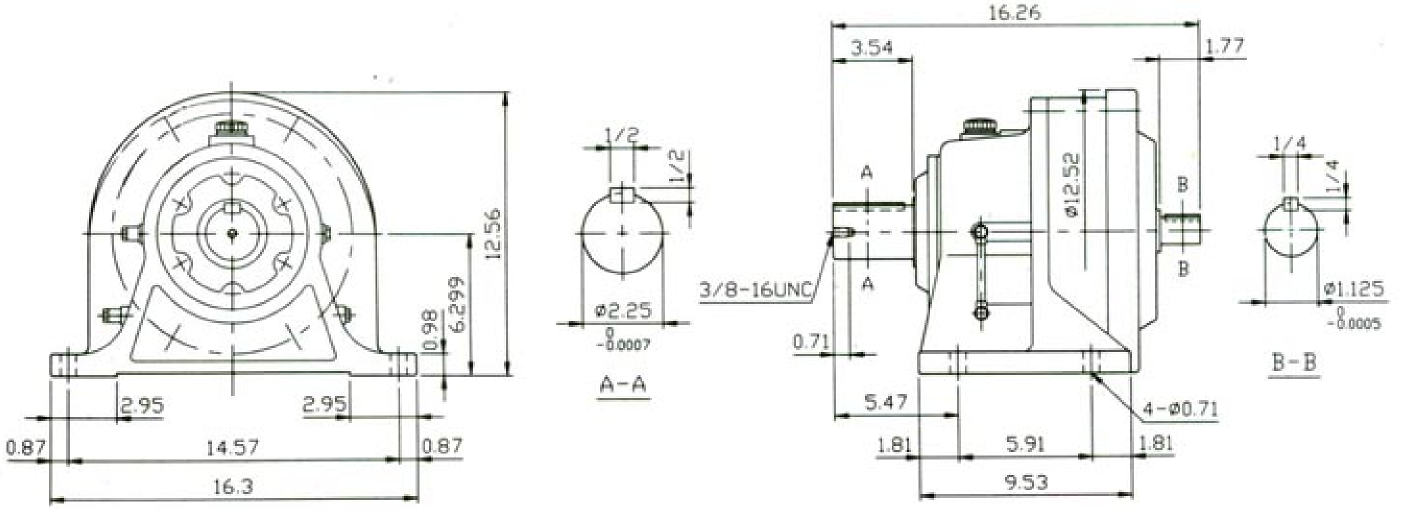




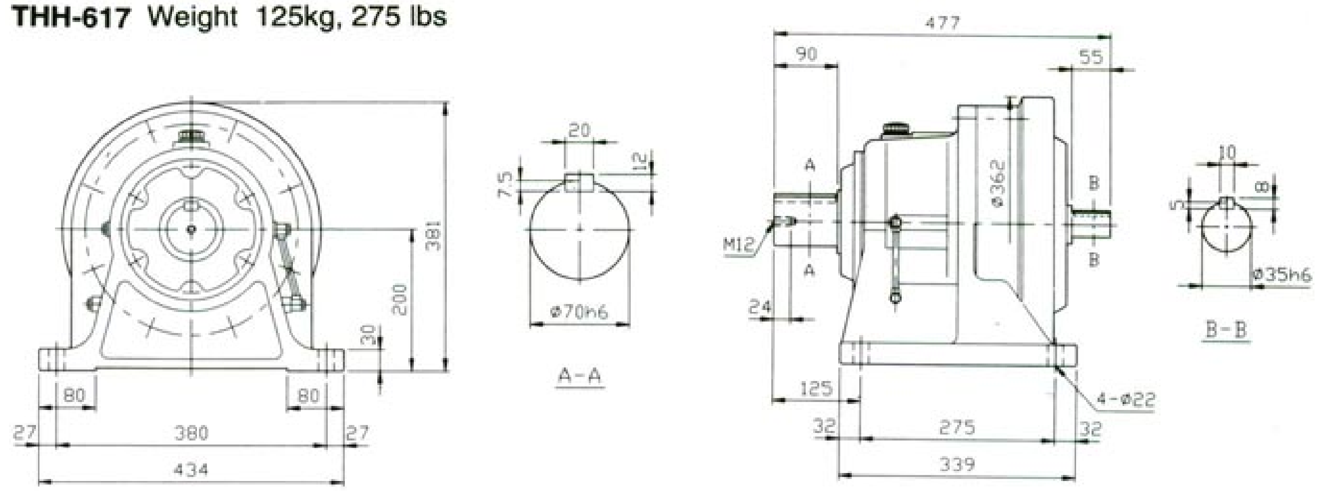
THH-616 Weight 85kg, 187 lbs

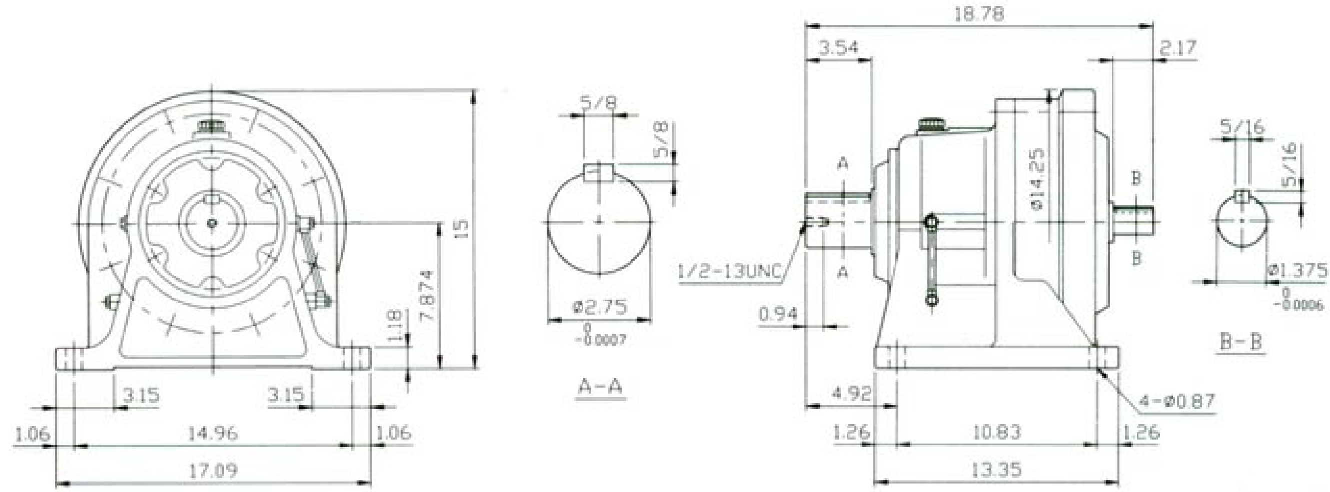




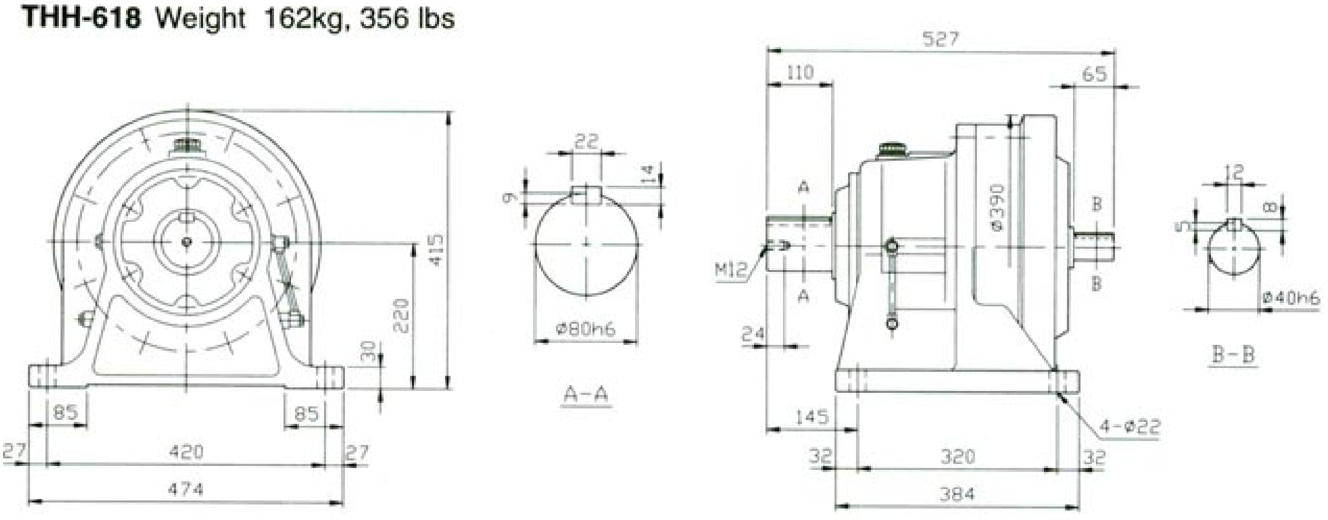


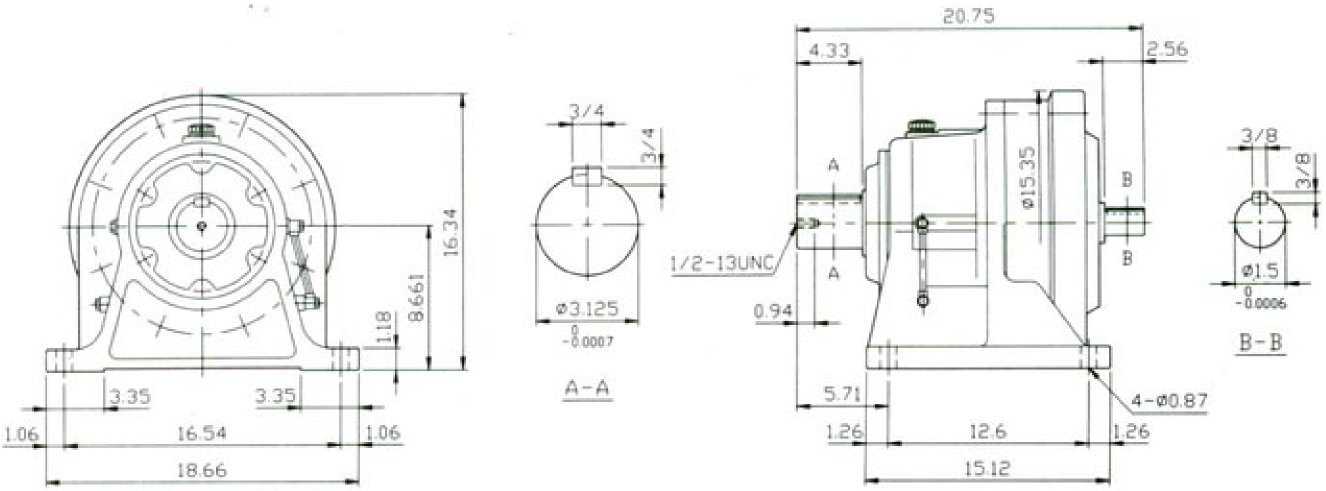
THH-617 Weight 125kg, 275 lbs



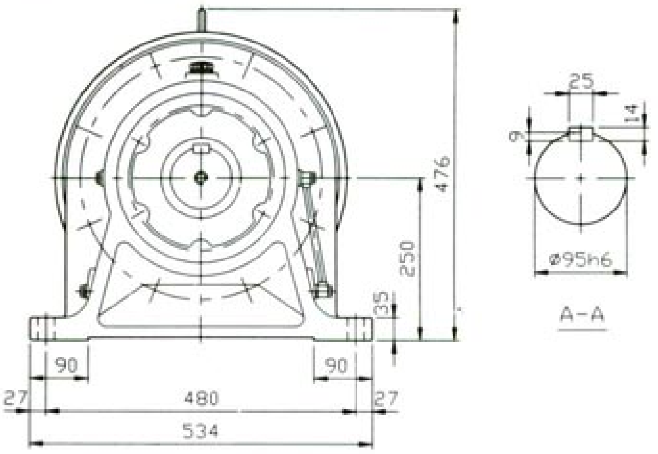


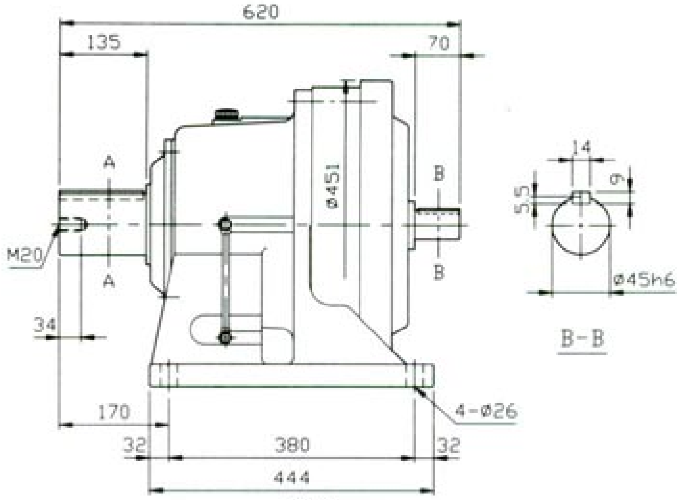
THH-618 Weight 162kg, 356 lbs

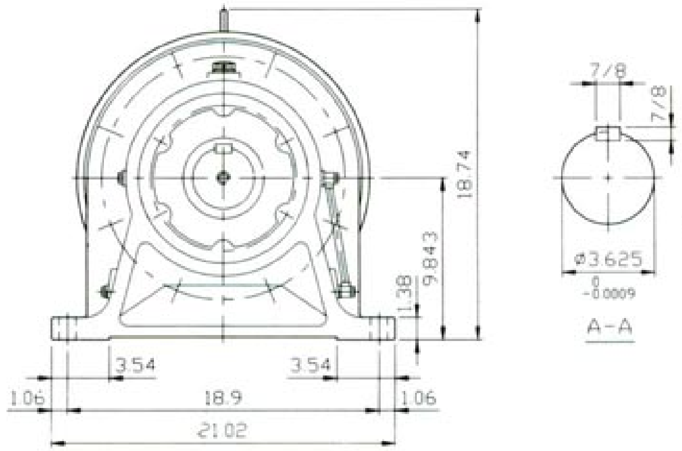


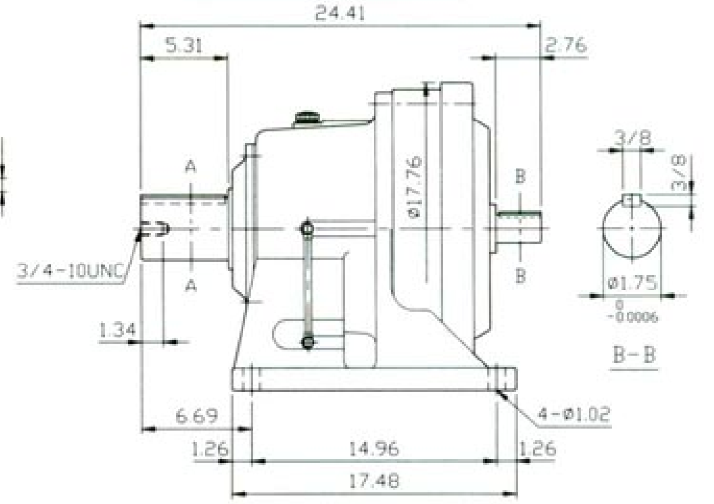


THH-619 Weight 240kg, 528 lbs

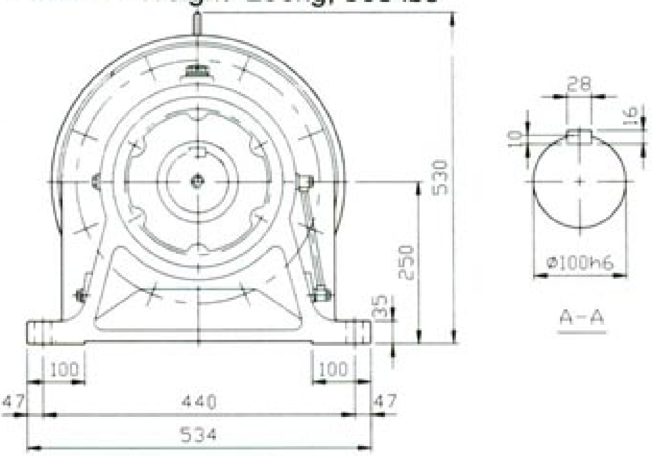


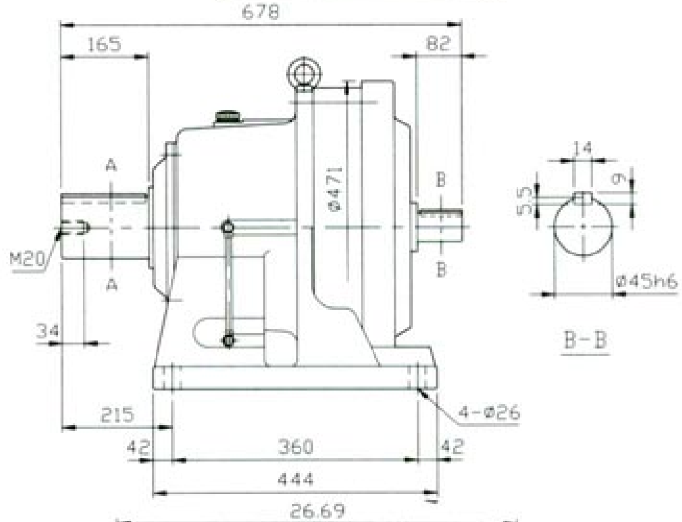


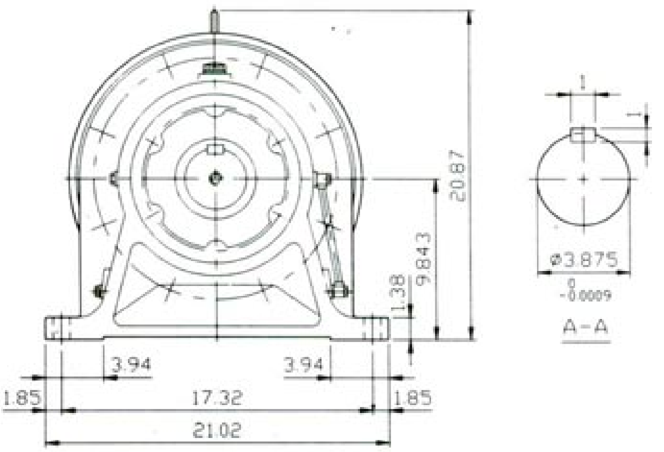


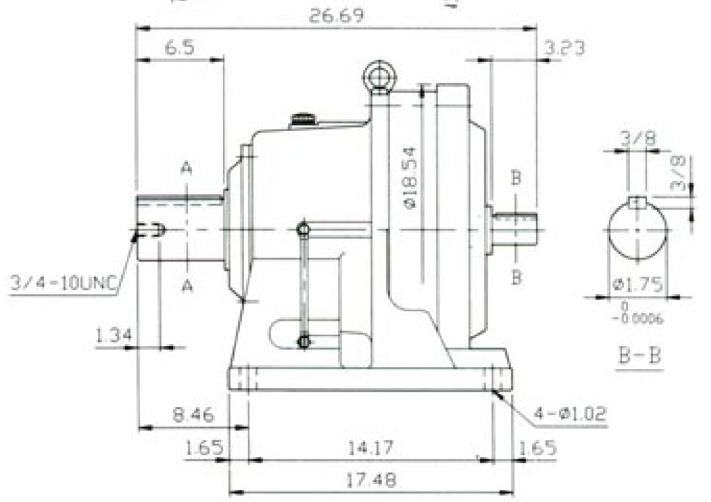


THH-620 Weight 256kg, 563 lbs

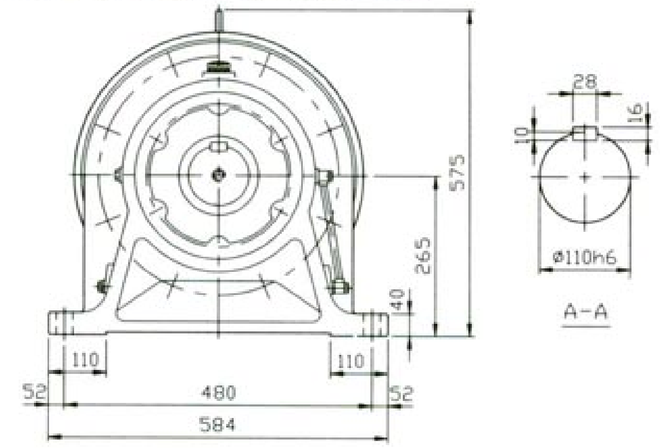


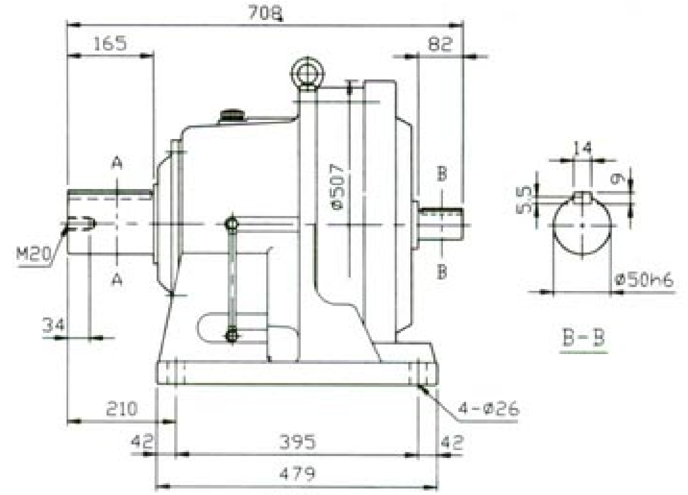


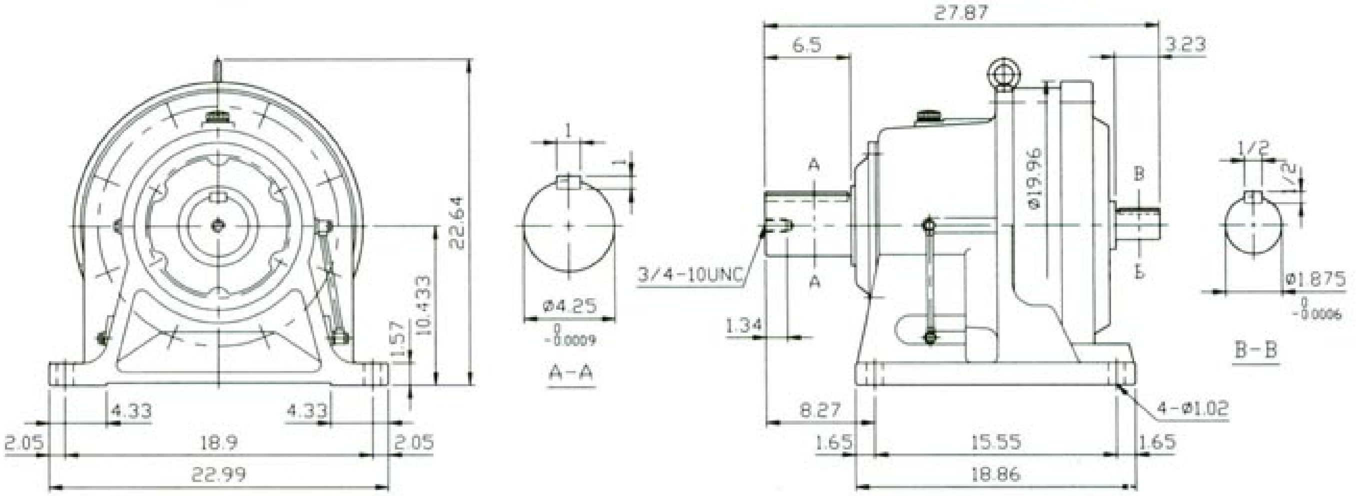




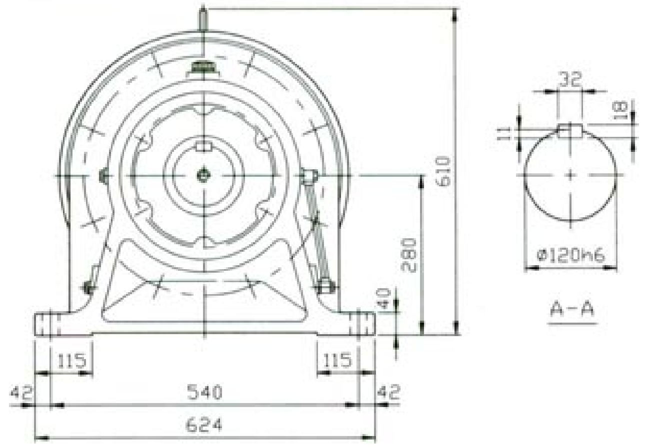
THH-621 Weight 336kg, 739 lbs

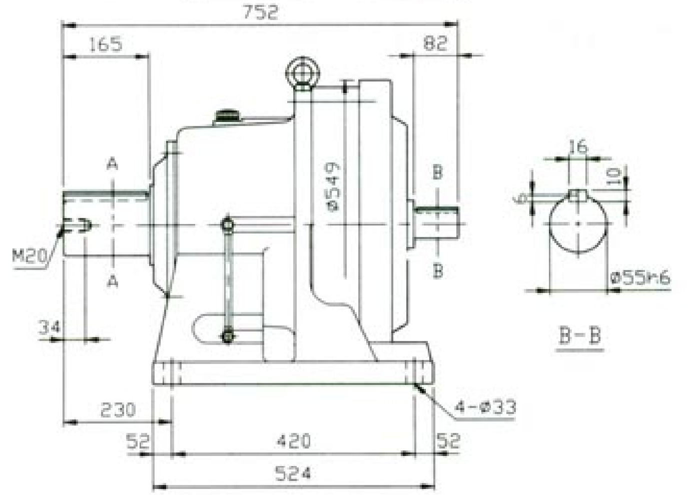


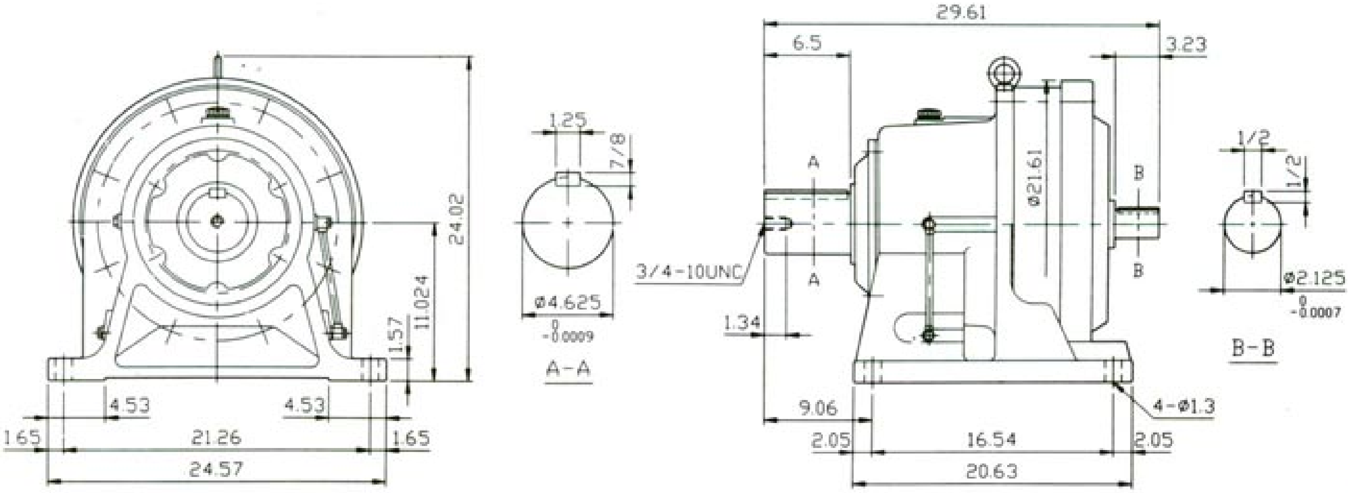




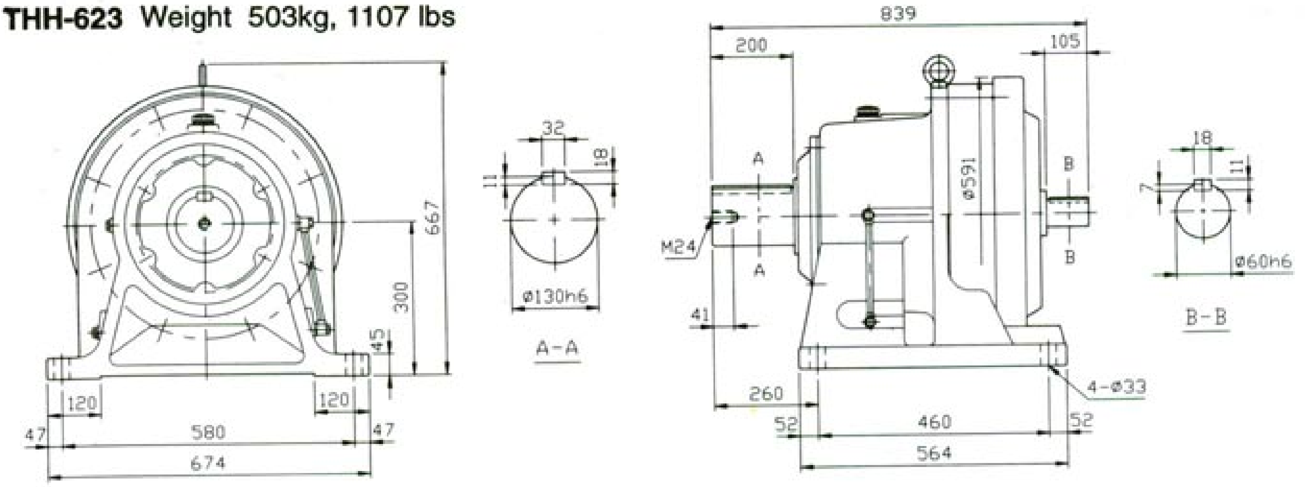
THH-622 Weight 412kg, 906 lbs

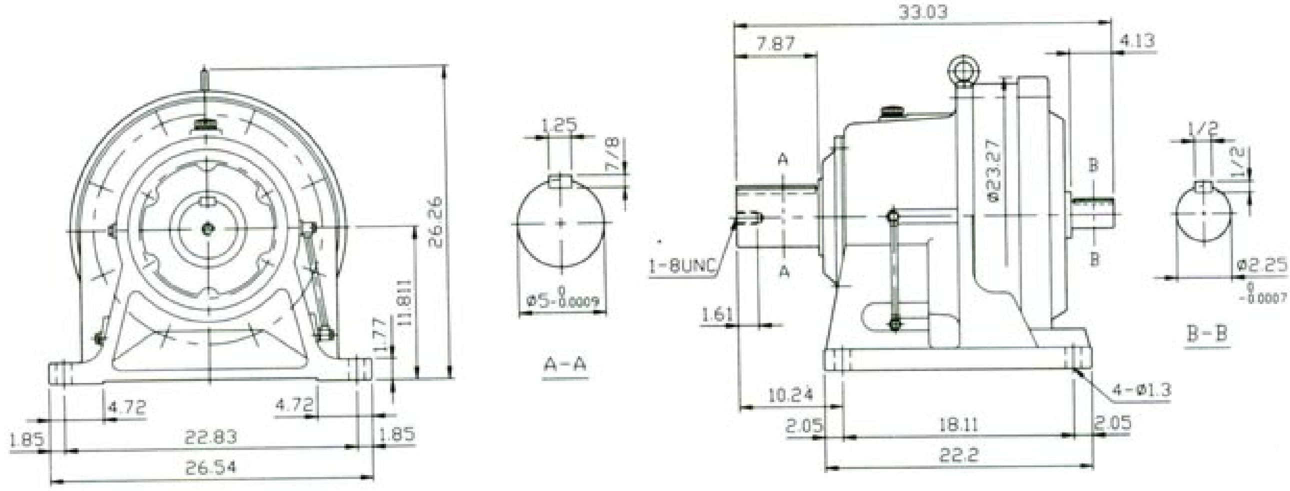




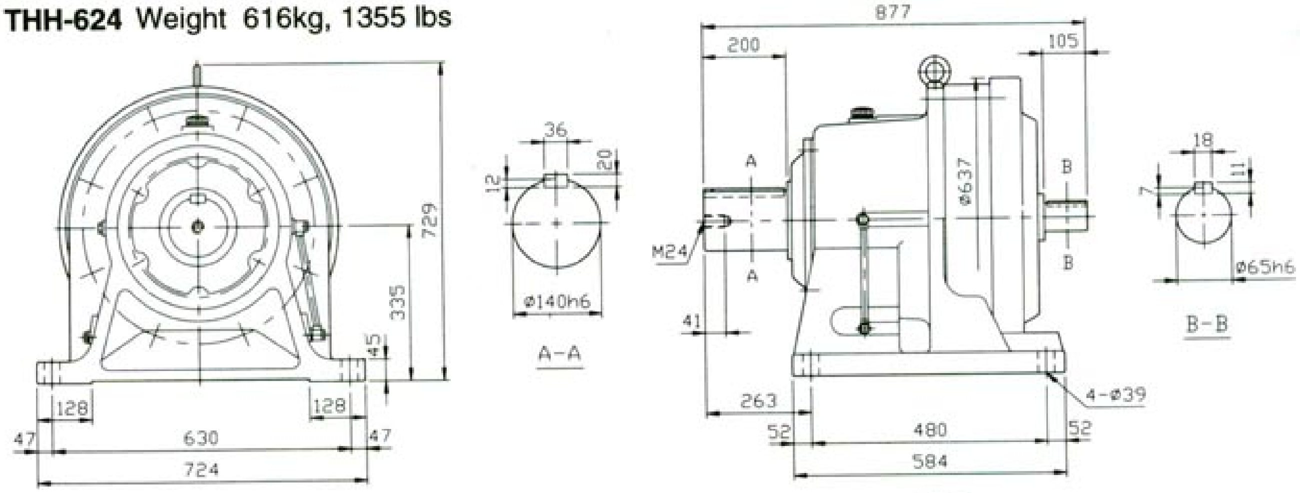


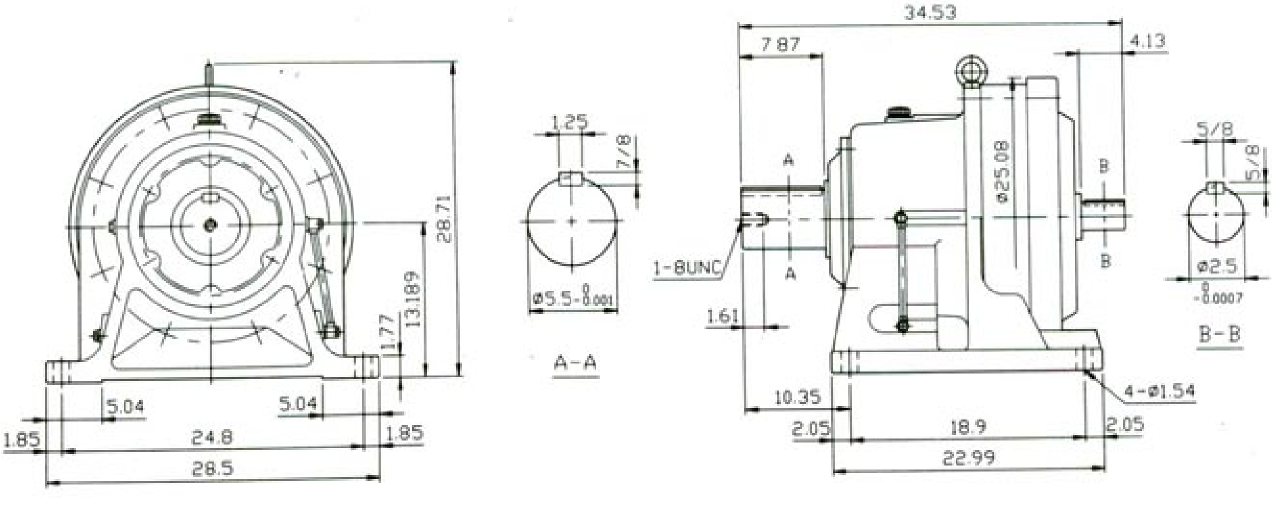
THH-623 Weight 503kg, 1107 lbs



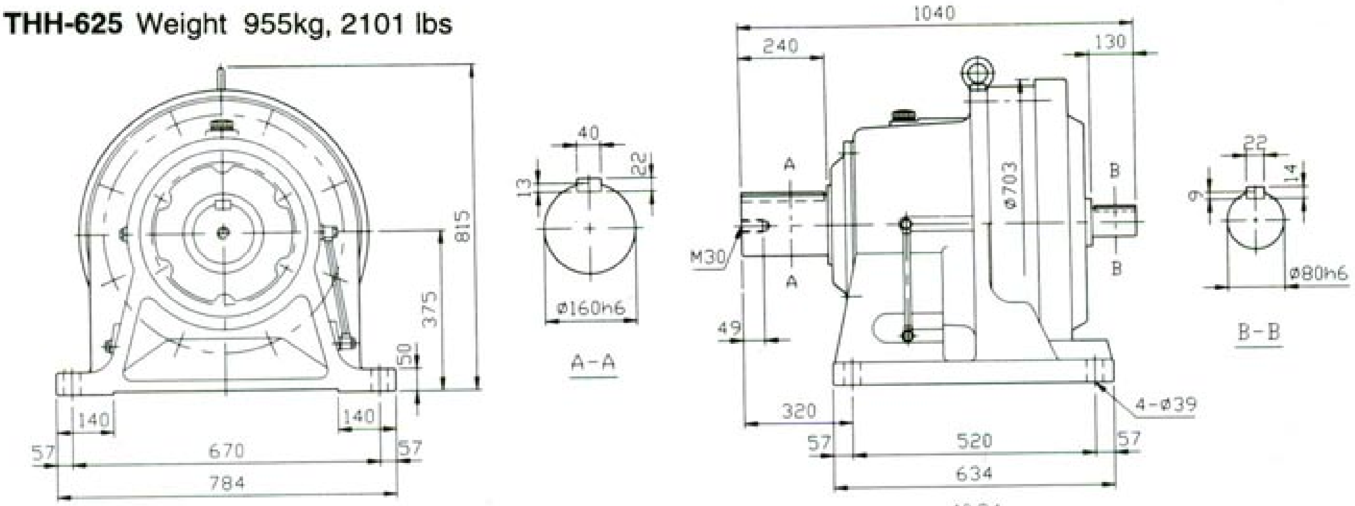


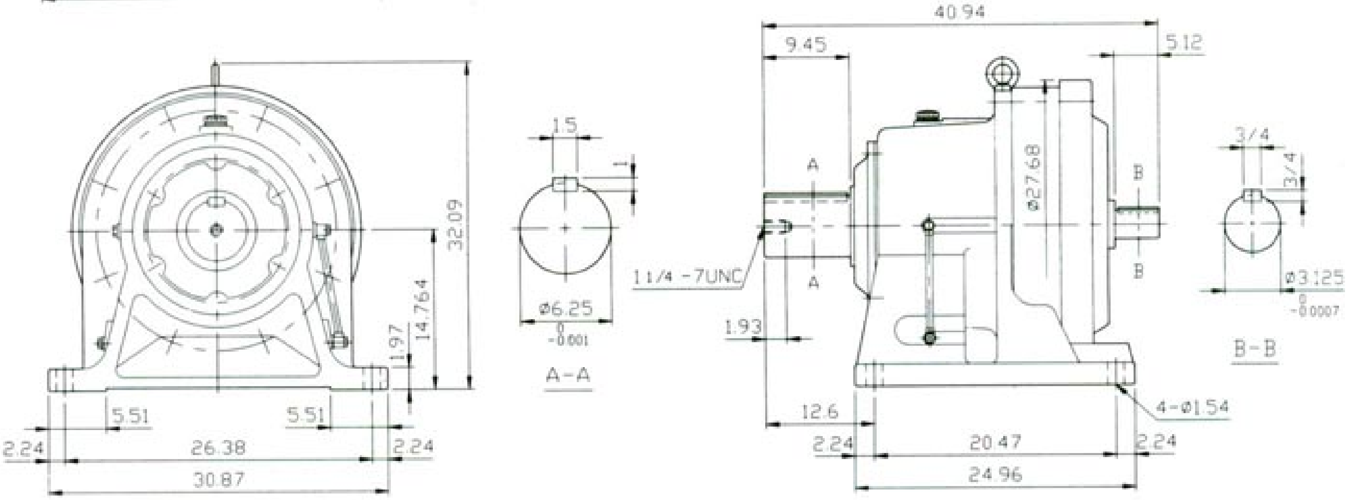
THH-624 Weight 616kg, 1355 lbs



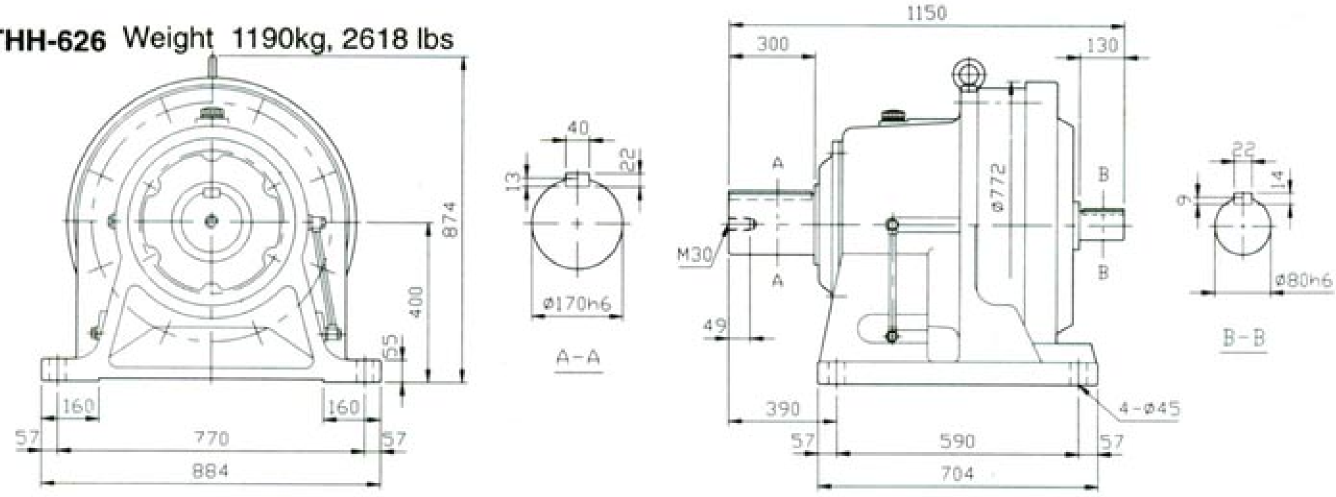


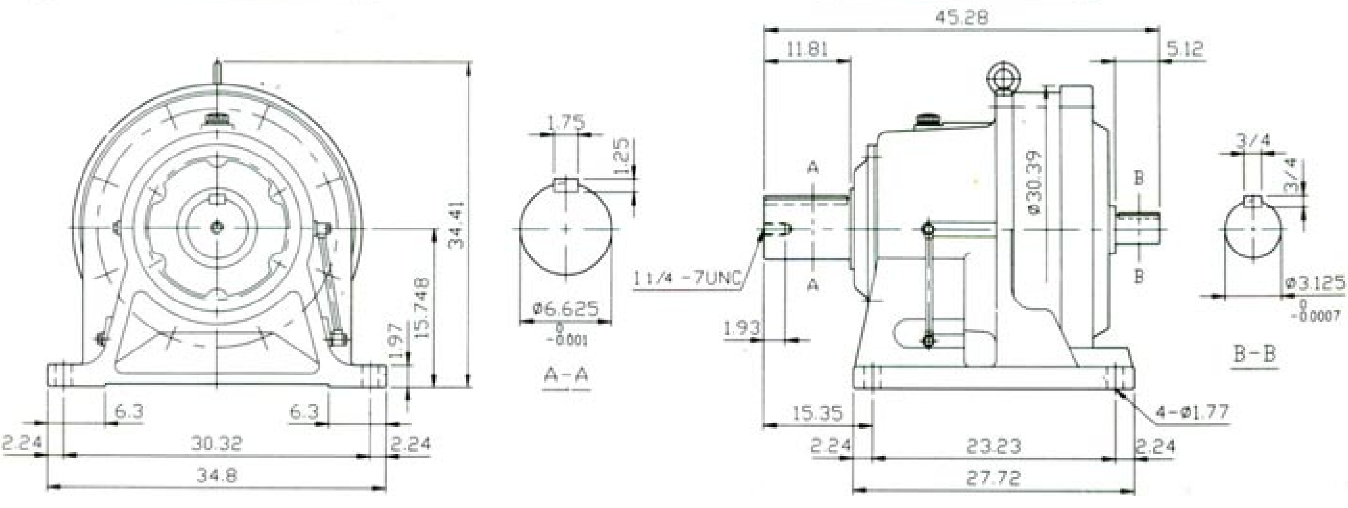
THH-625 Weight 955kg, 2101 lbs



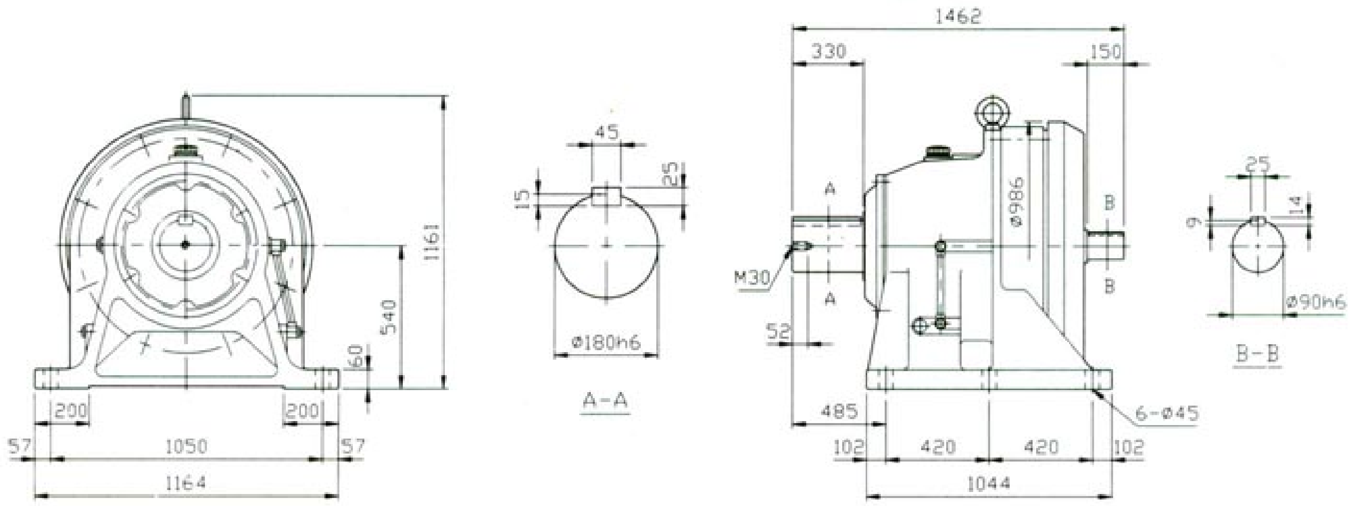


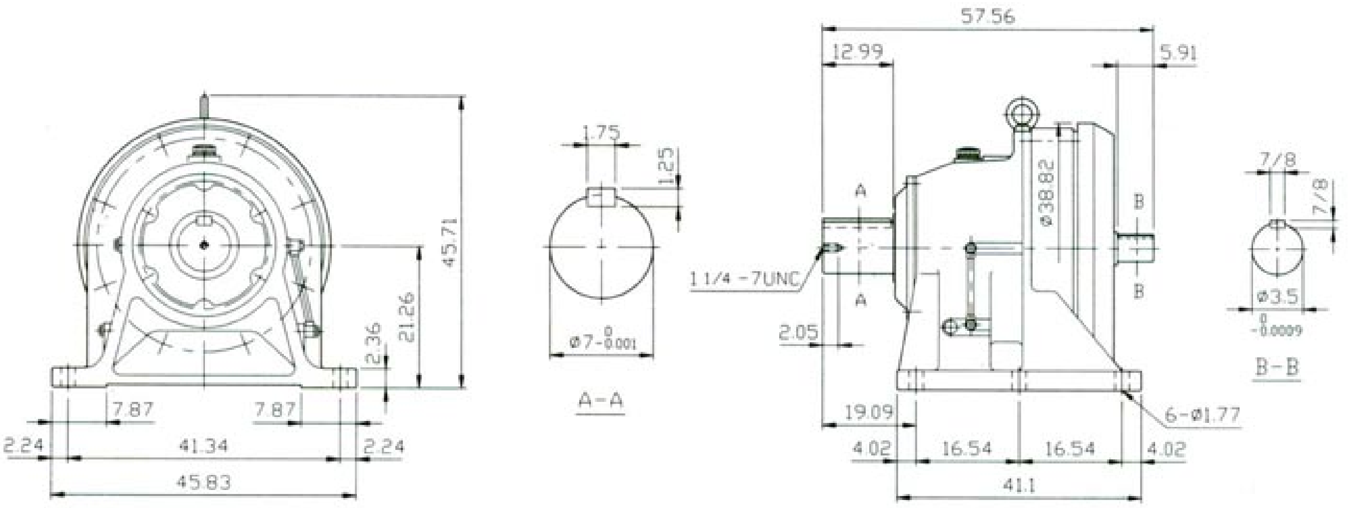
THH-626 Weight 1190kg, 2618 lbs



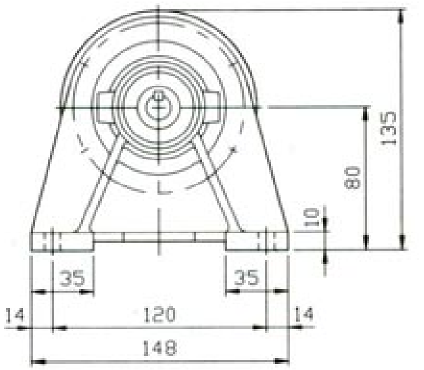


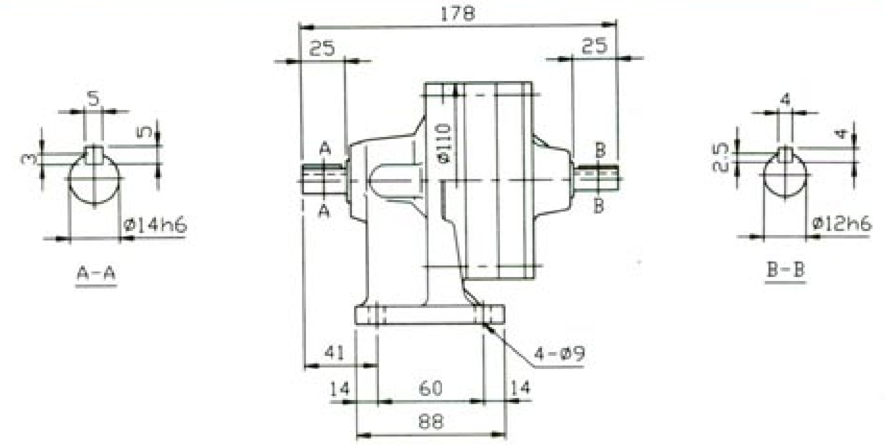
THH-627 Weight 2460kg, 5412 lbs

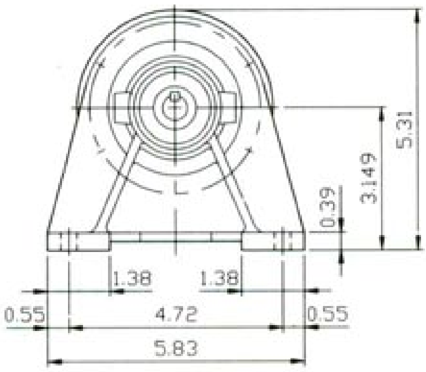


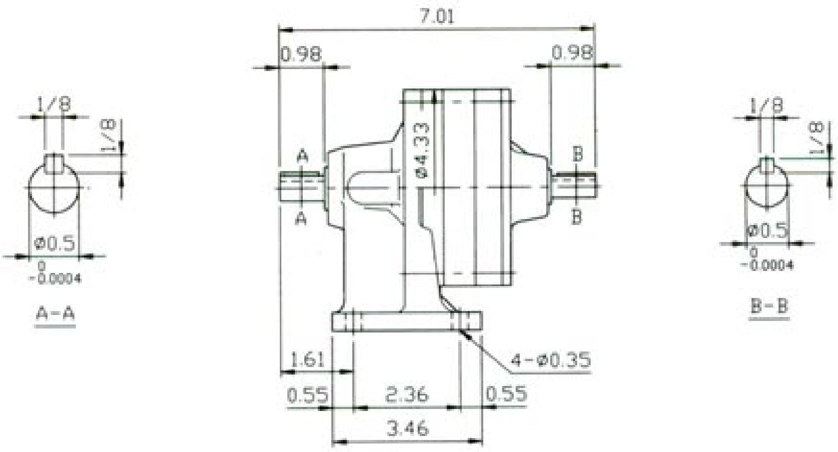


TH-607/07 Weight 4kg, 9 lbs

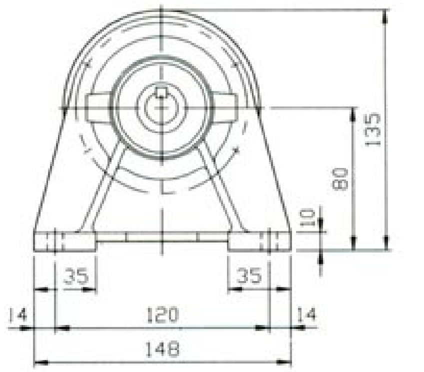


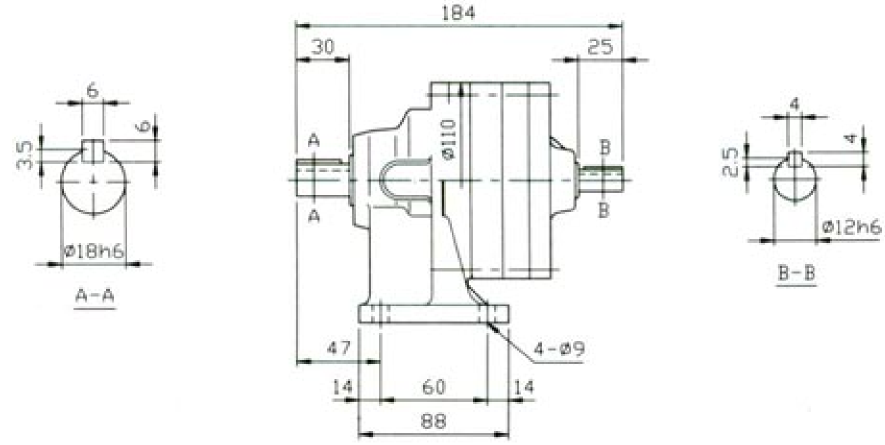


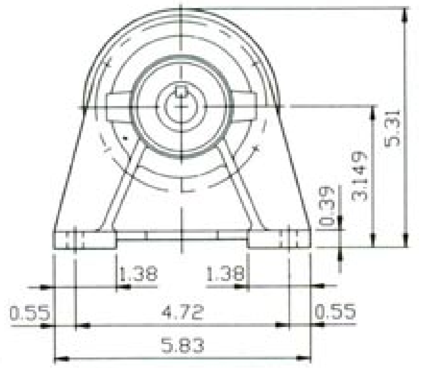


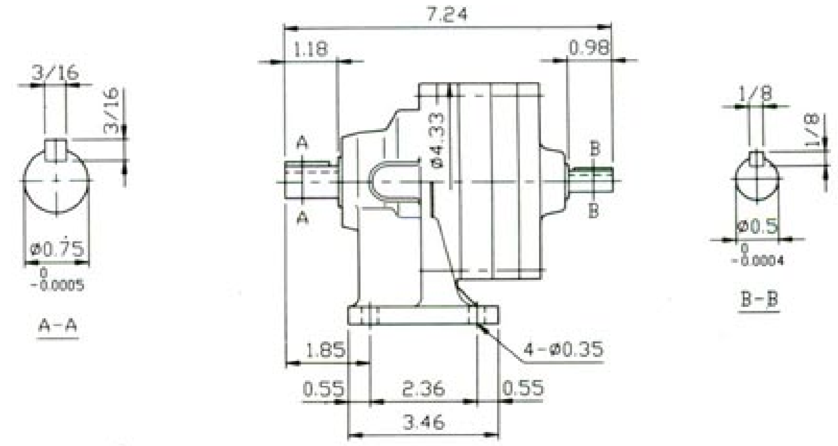


TH-608/07 Weight 4.5kg, 10 lbs

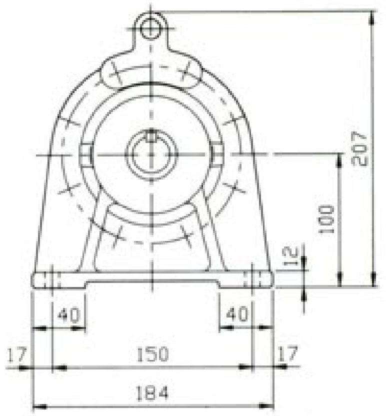


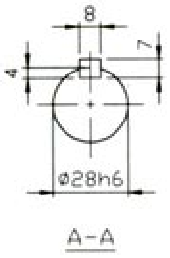


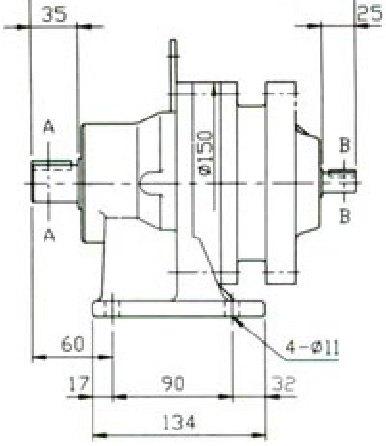


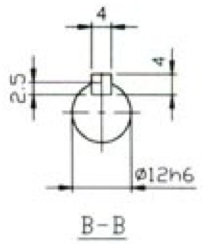


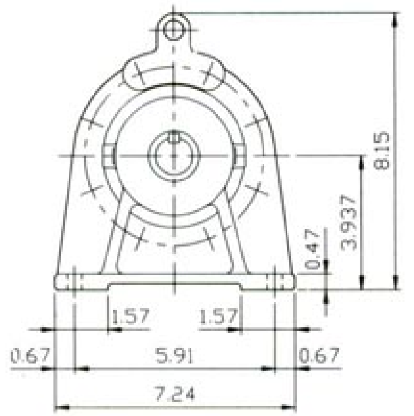
TH-609/08 Weight 13kg, 29 lbs

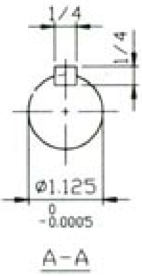


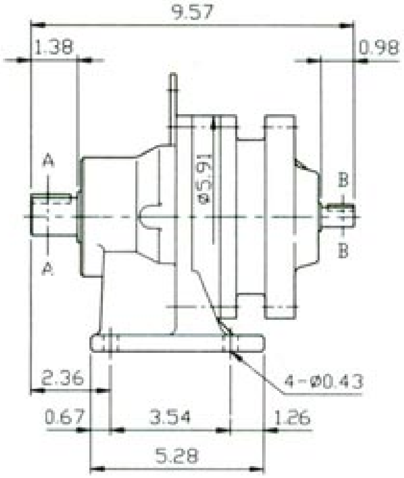


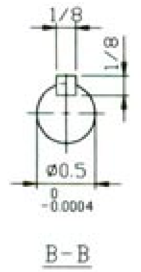




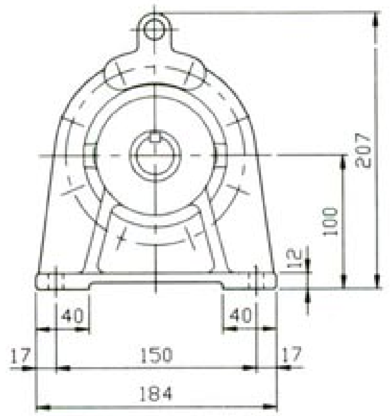


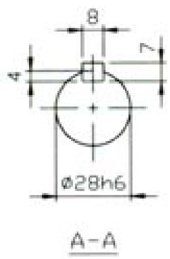


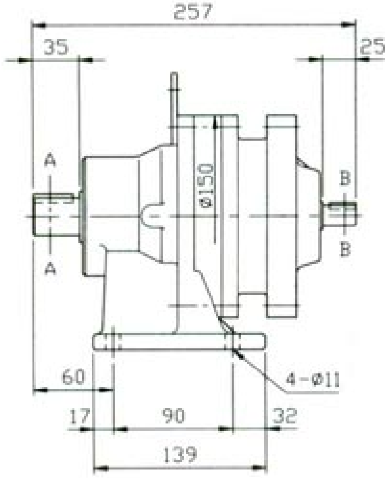


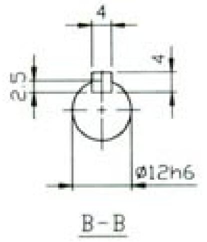


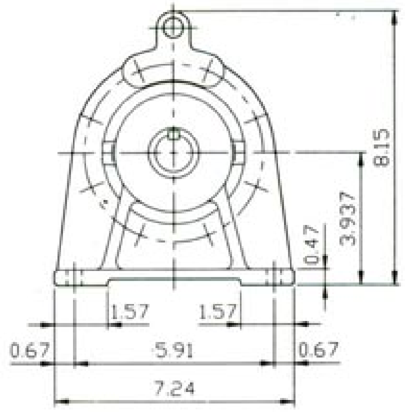
TH-610/08 Weight 15kg, 33 lbs

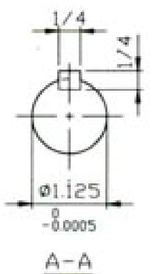


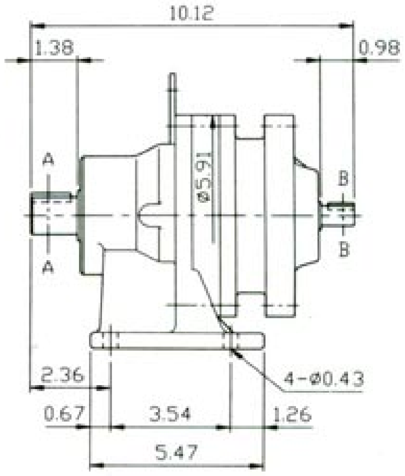


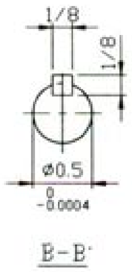




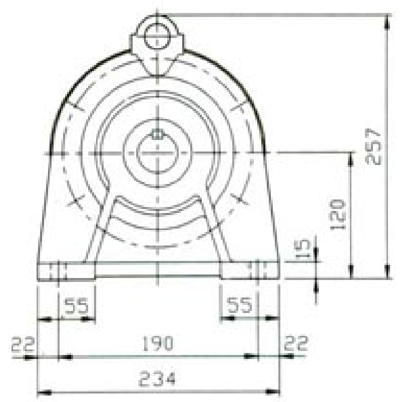


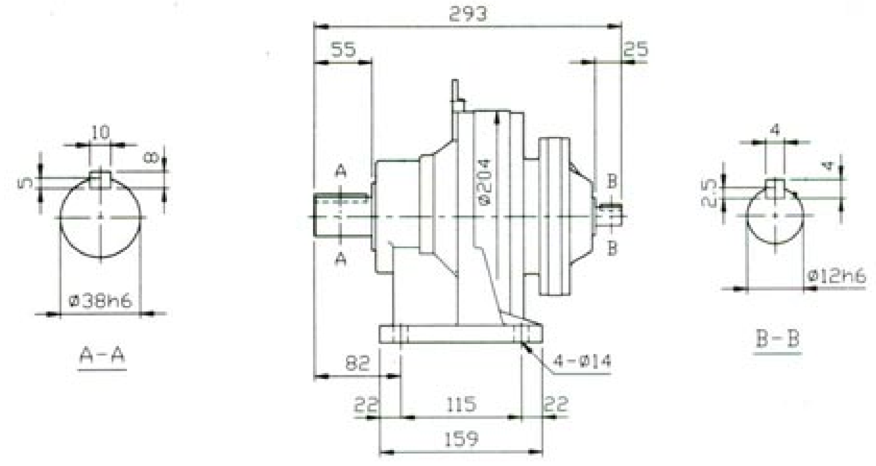


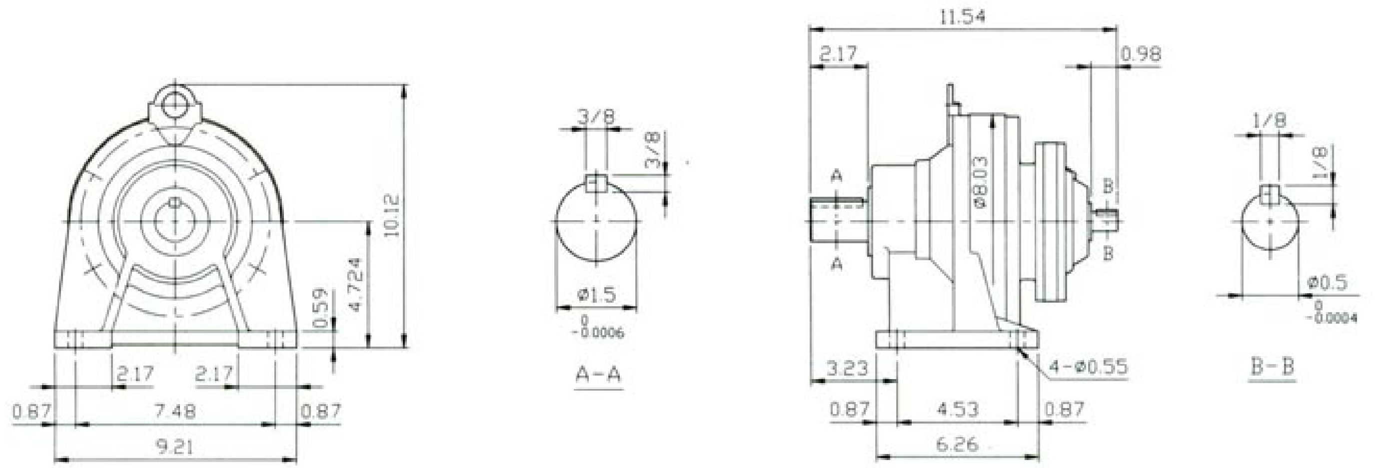




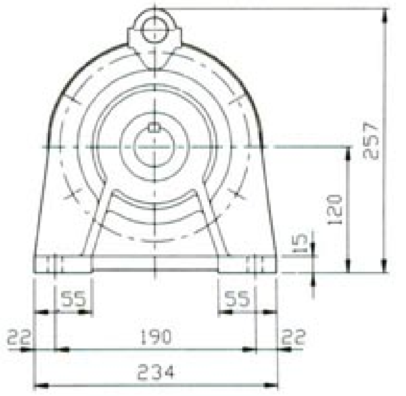
TH-611/08 Weight 25kg, 55 lbs

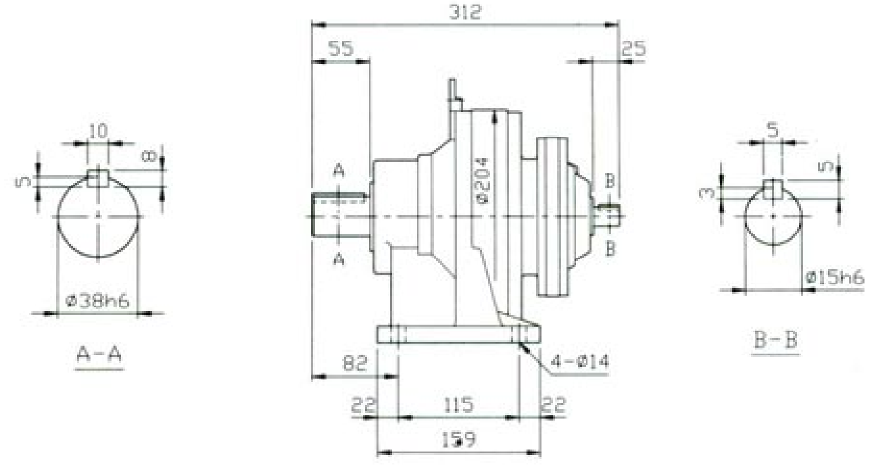


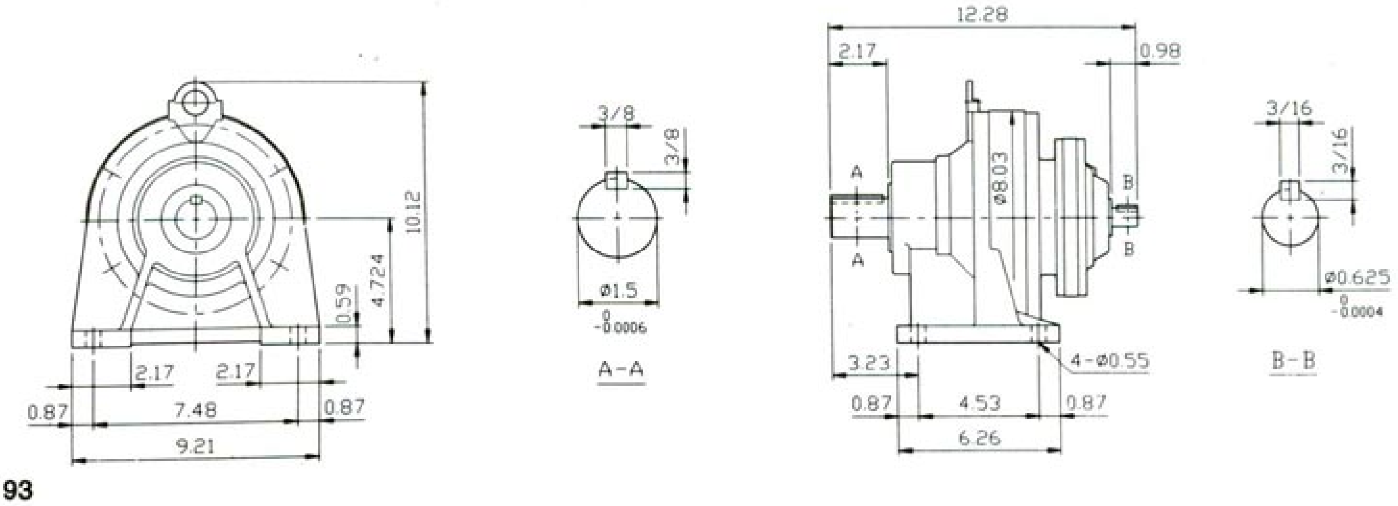




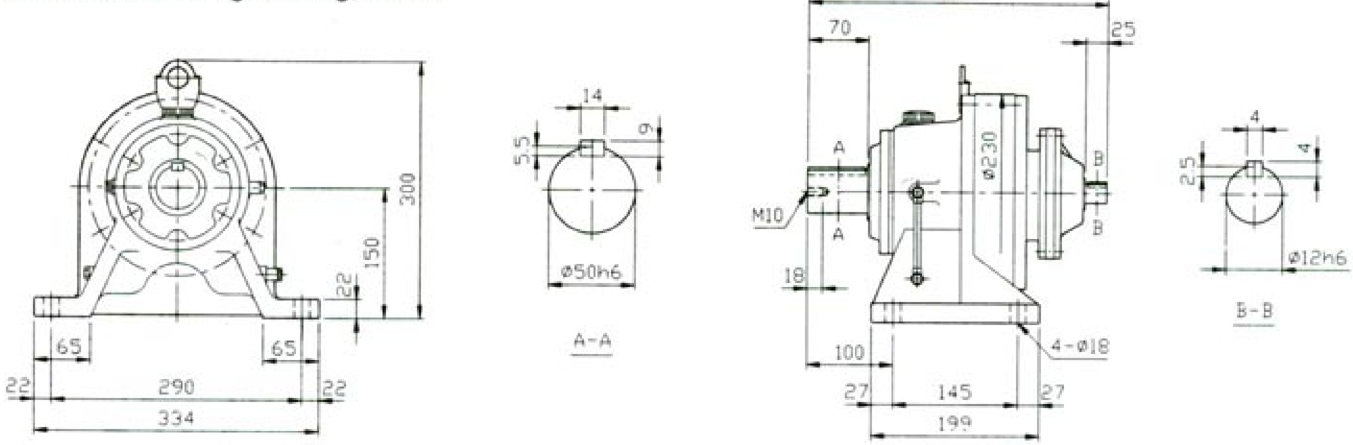
TH-611/09 Weight 30kg, 66 lbs

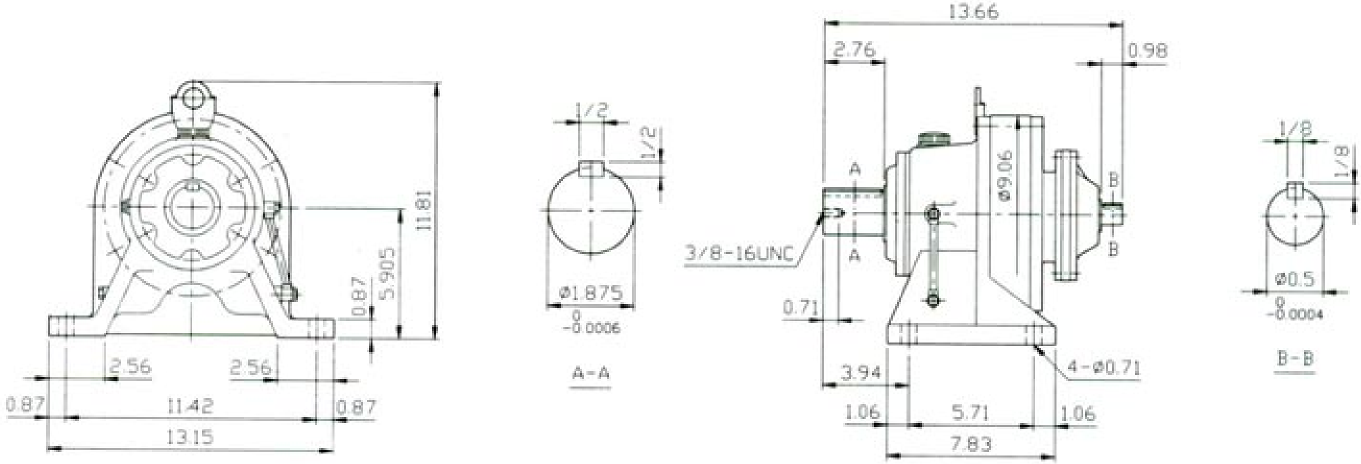




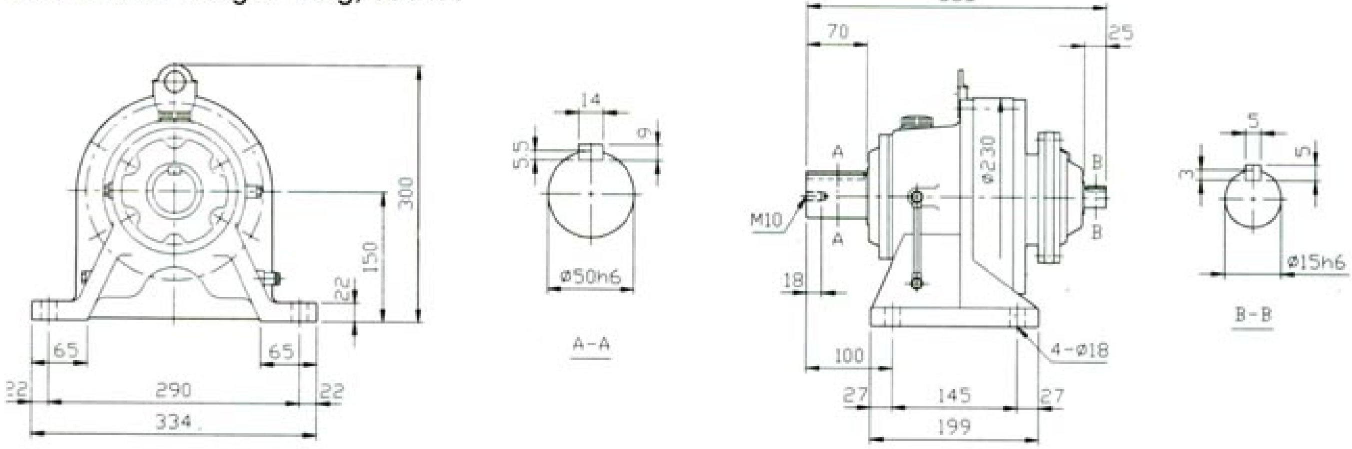


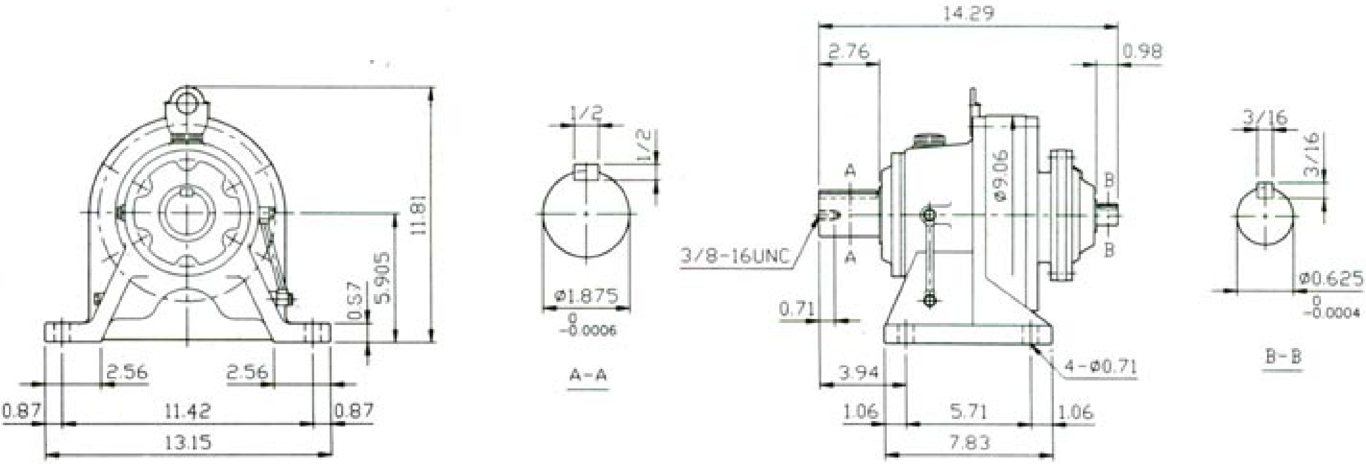
THH-613/08 Weight 42kg, 92 lbs



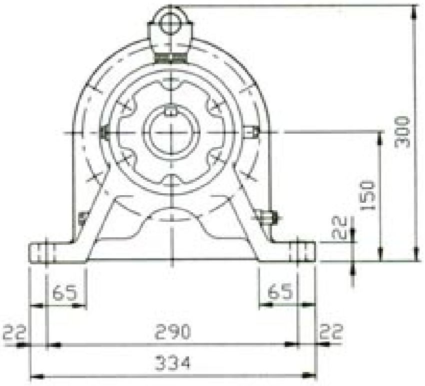


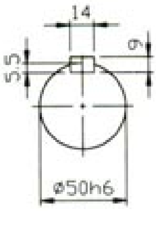
THH-613/09 Weight 46kg, 101 lbs



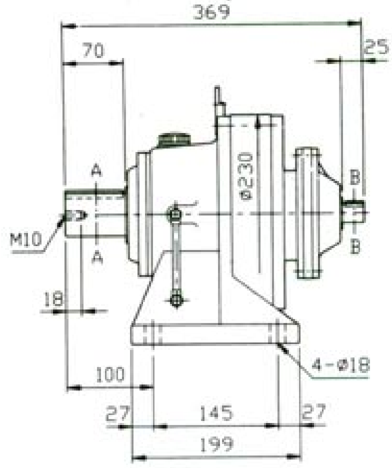


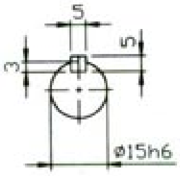
THH-613/10 Weight 46kg, 101 lbs



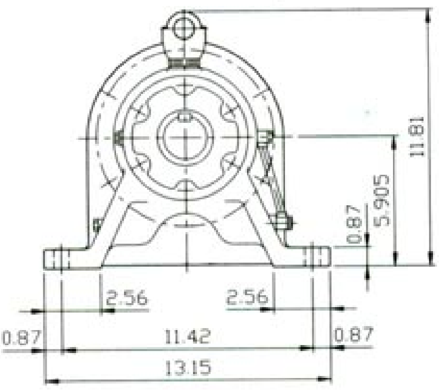


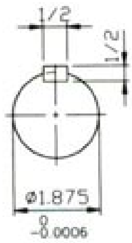
A-A



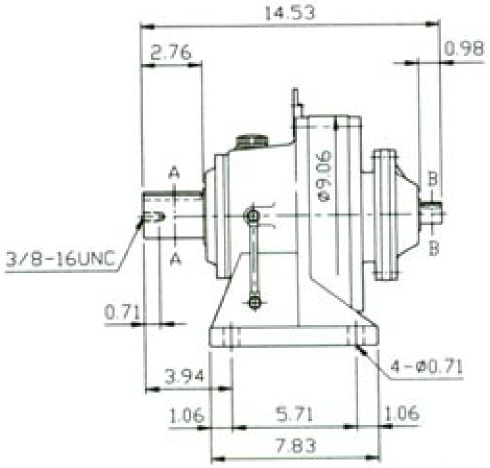


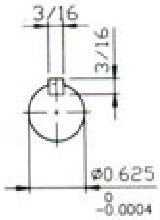
B-B





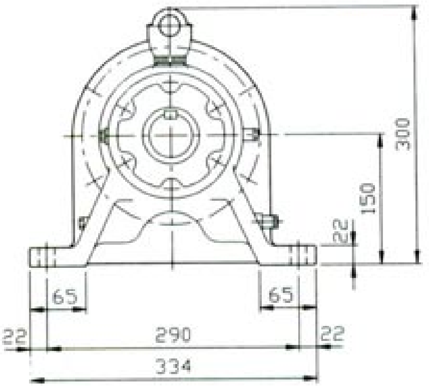
A-A

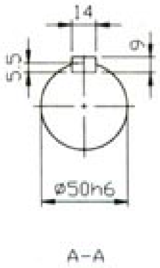




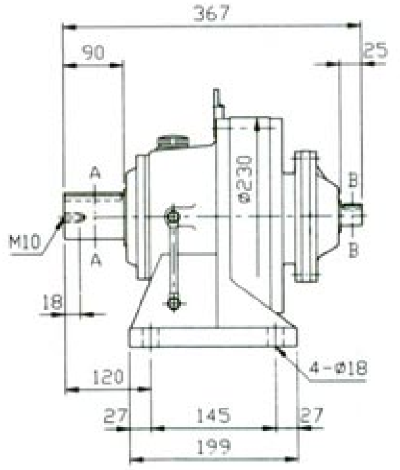
B-B

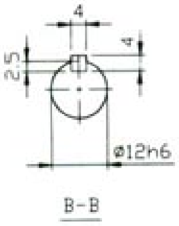
THH-614/08 Weight 41kg, 90 lbs



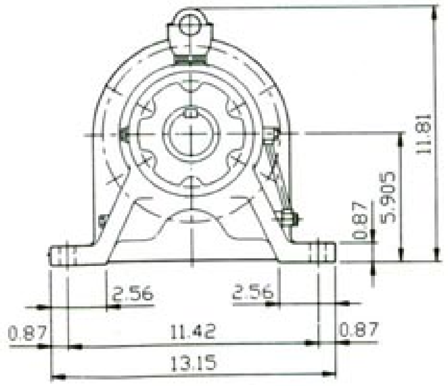


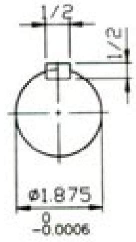
A-A



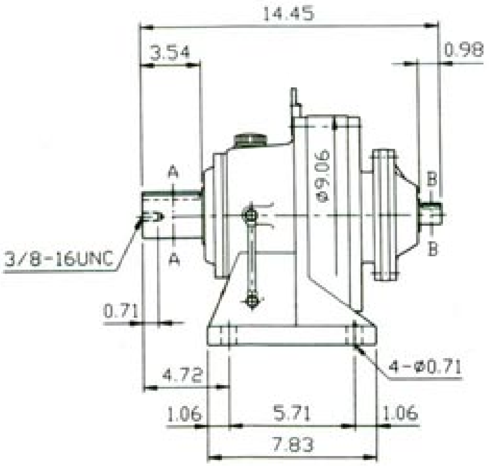


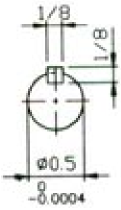
B-B





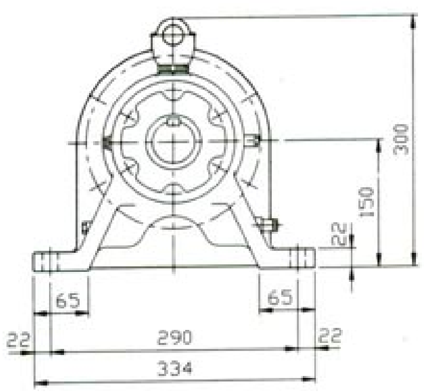
A-A

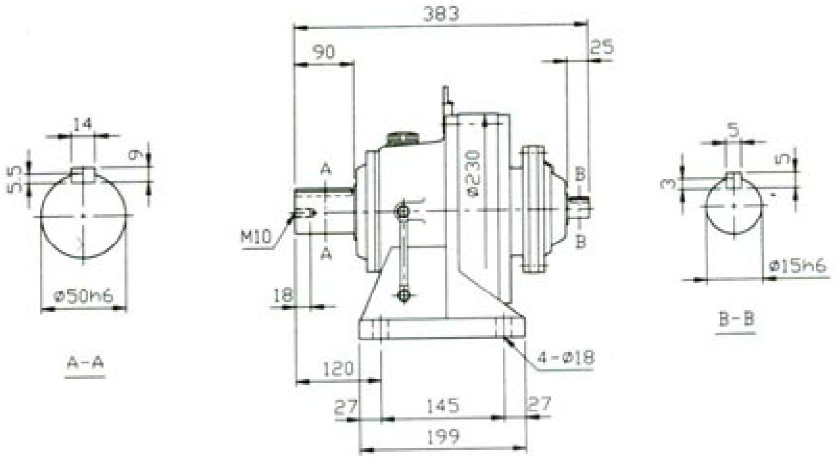


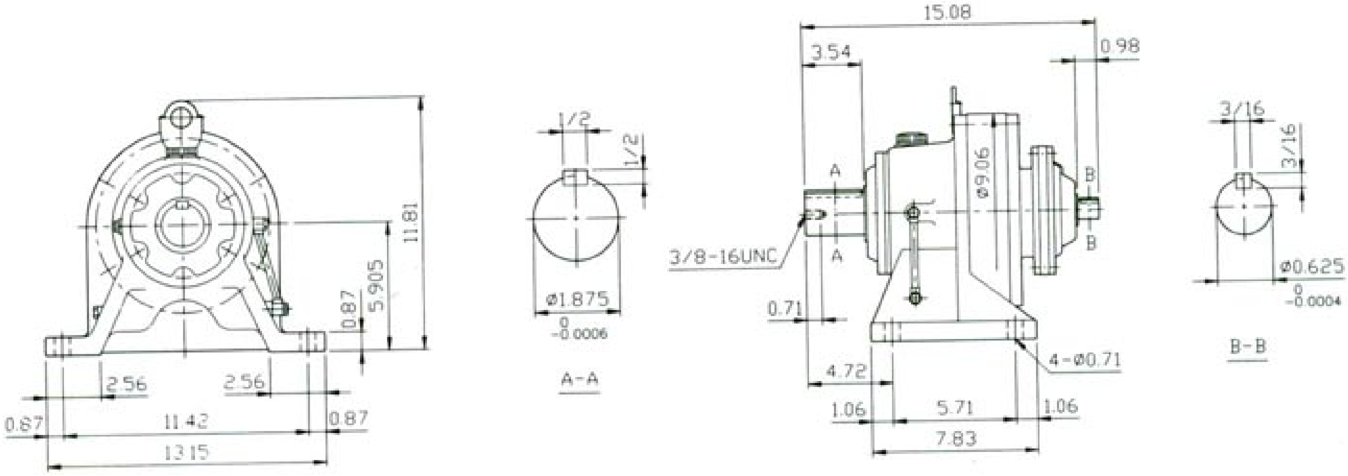


B-B

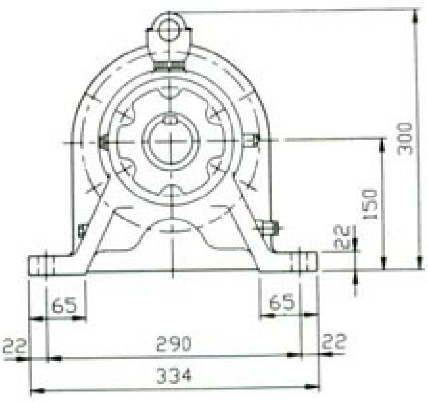
THH-614/09 Weight 46kg, 101 lbs

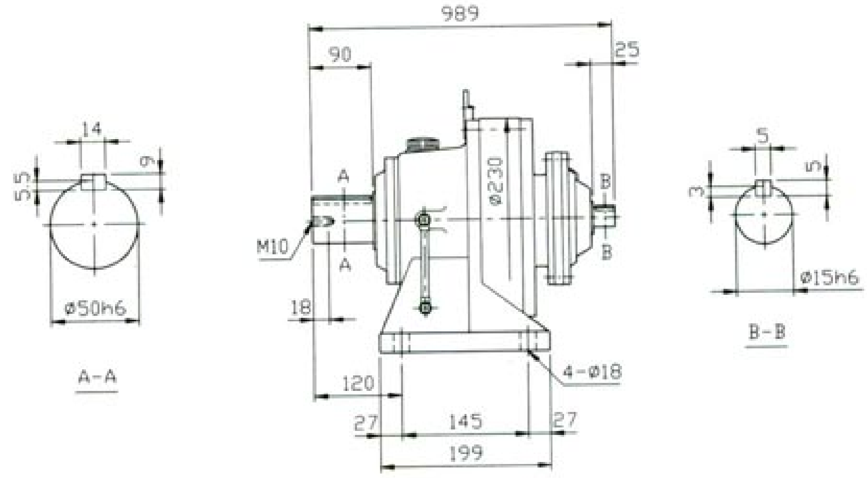


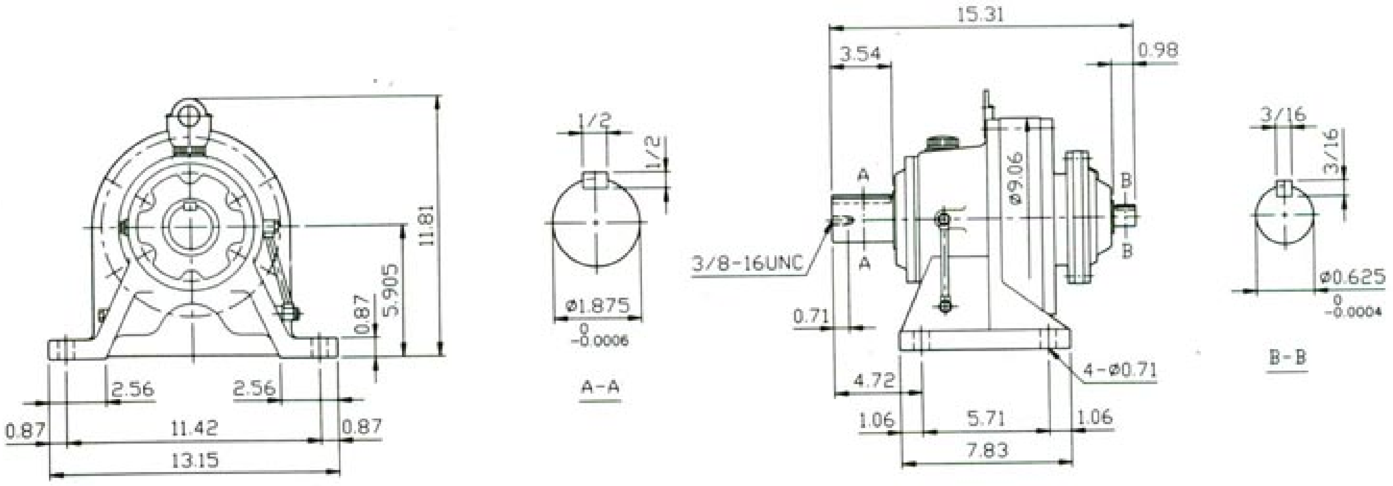




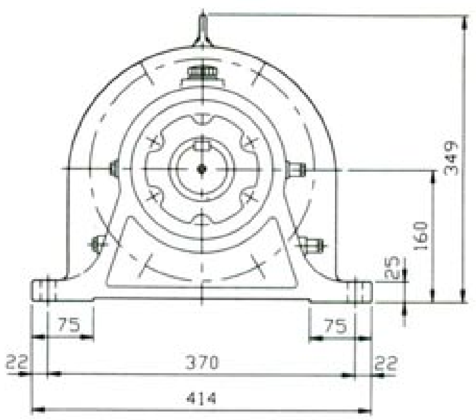
THH-614/10 Weight 46kg, 101 lbs

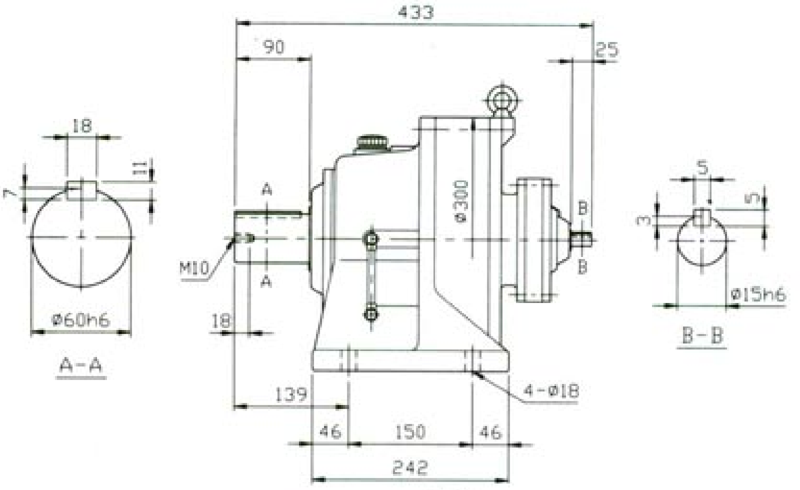


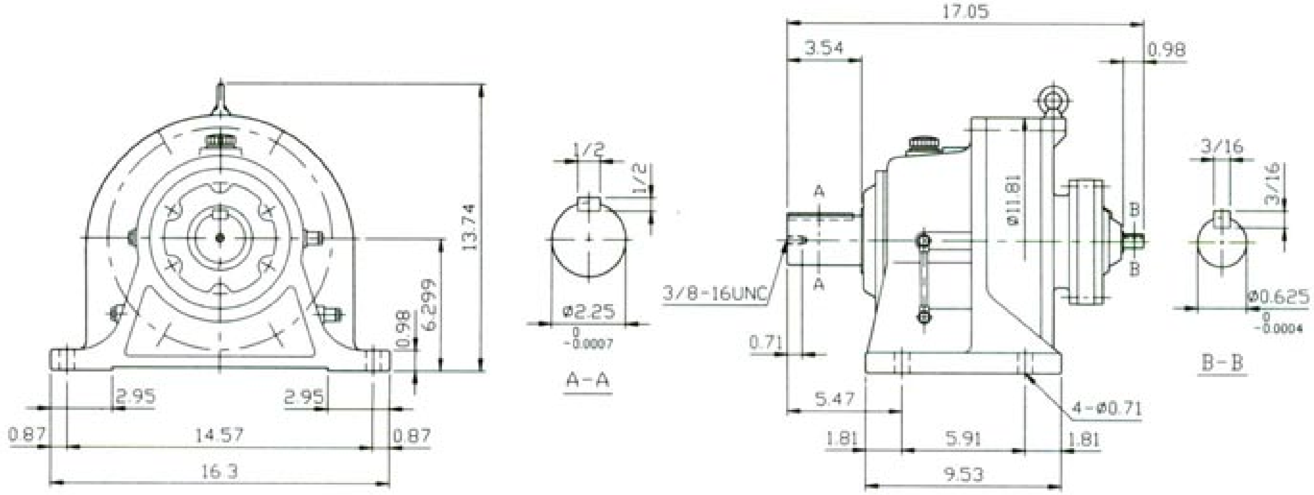




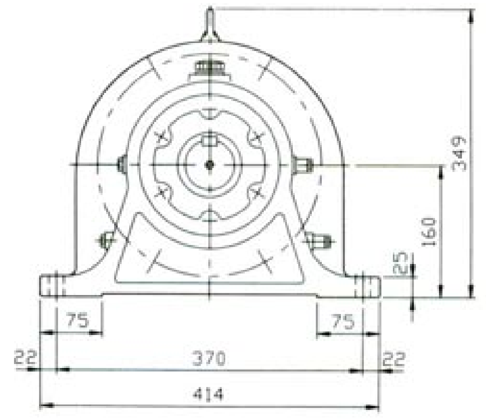
THH-616/09 Weight 86kg, 189 lbs

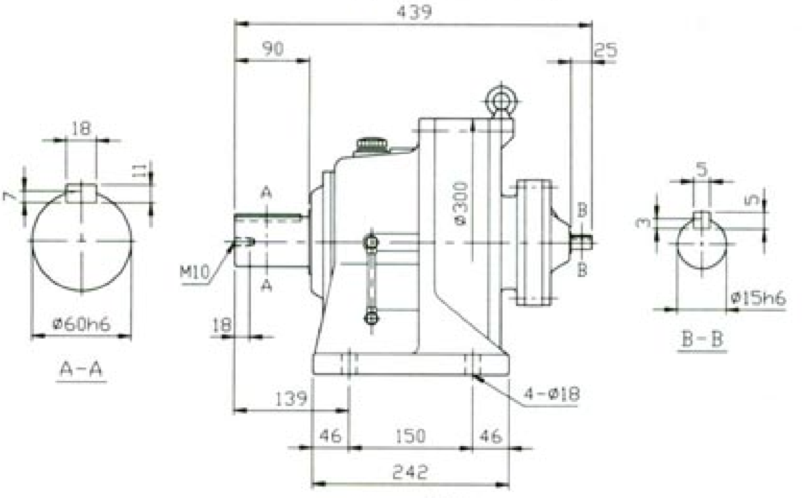


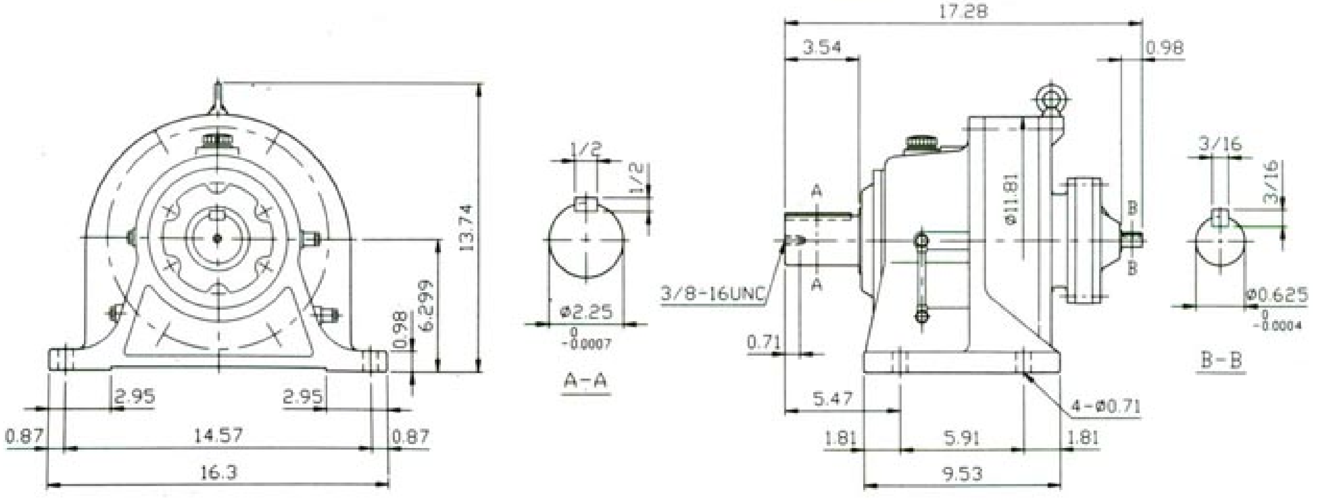




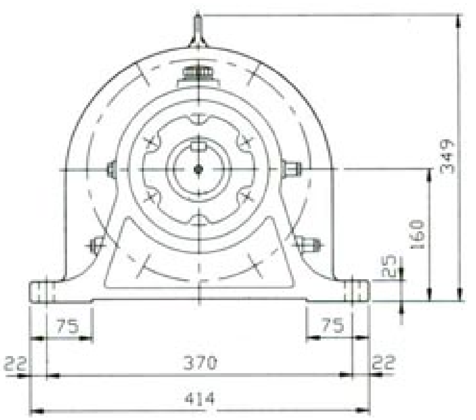
THH-616/10 Weight 88kg, 194 lbs

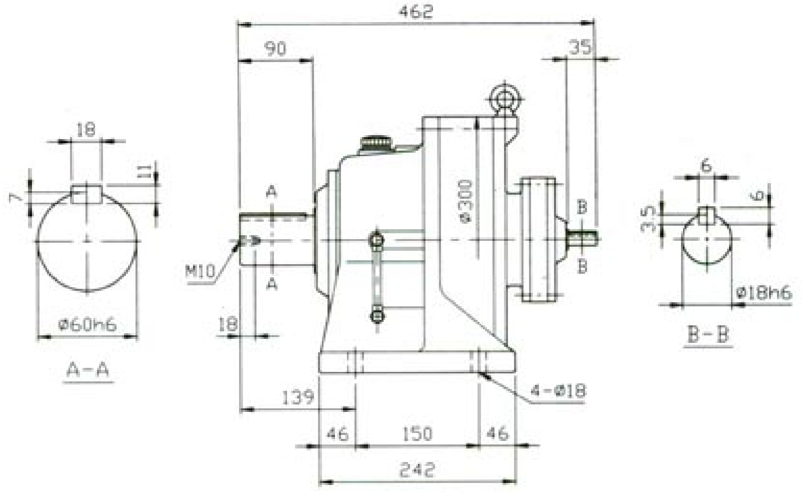


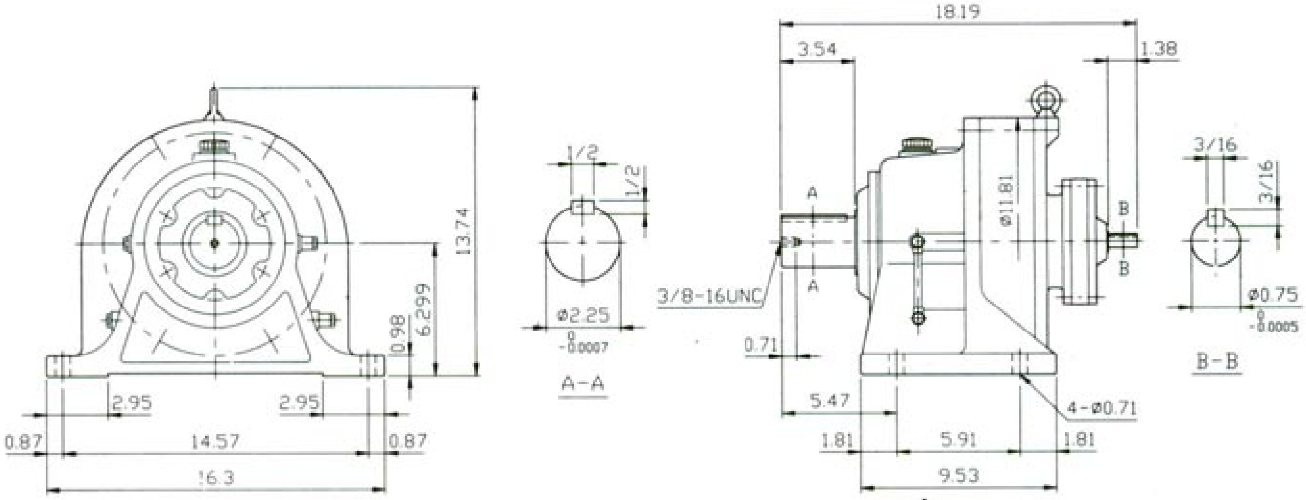




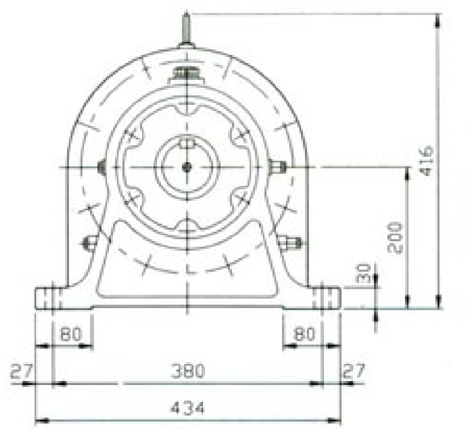
THH-616/11 Weight 95kg, 209 lbs

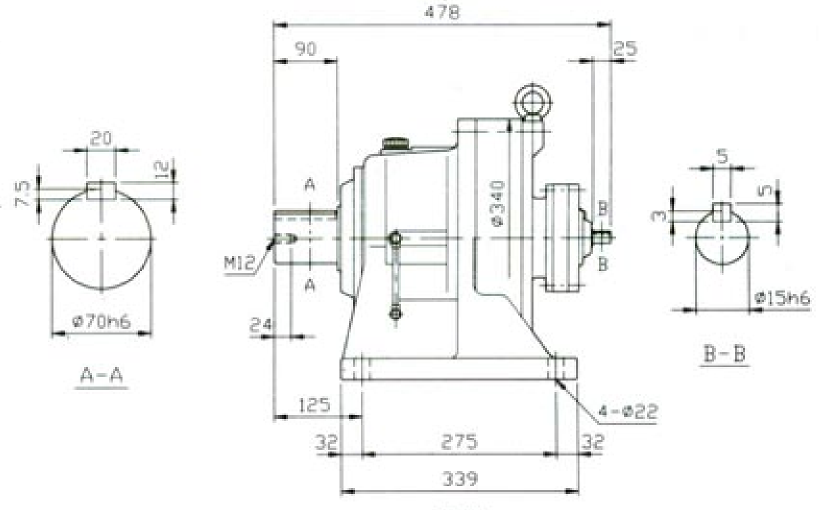


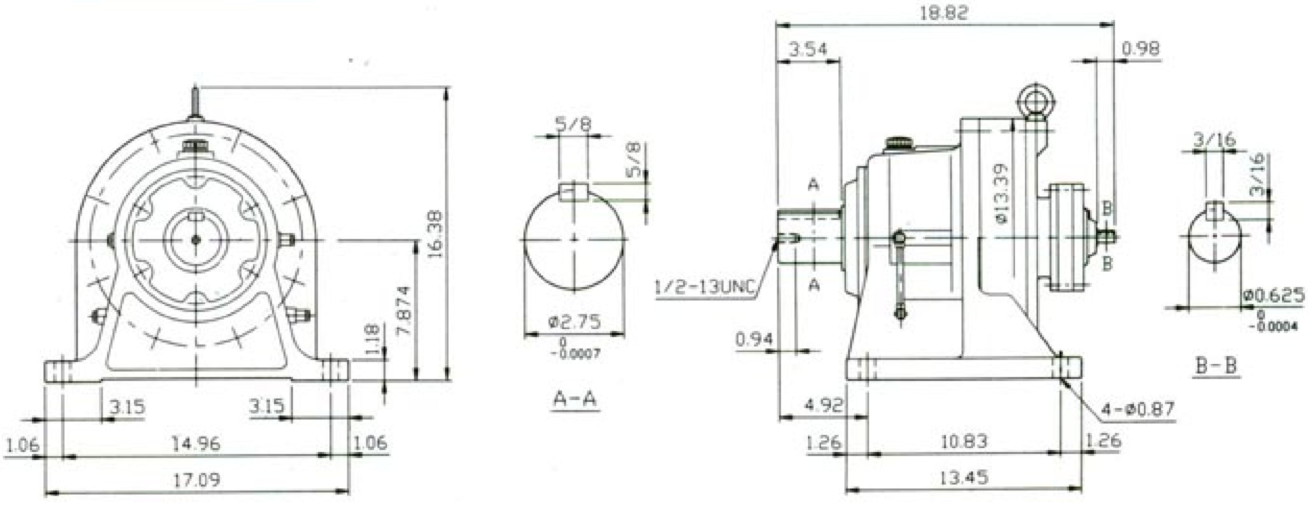




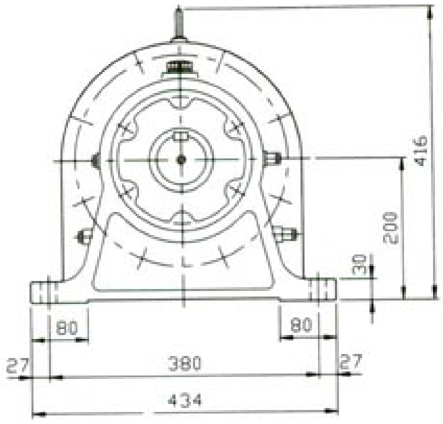
THH-617/09 Weight 120kg, 264 lbs

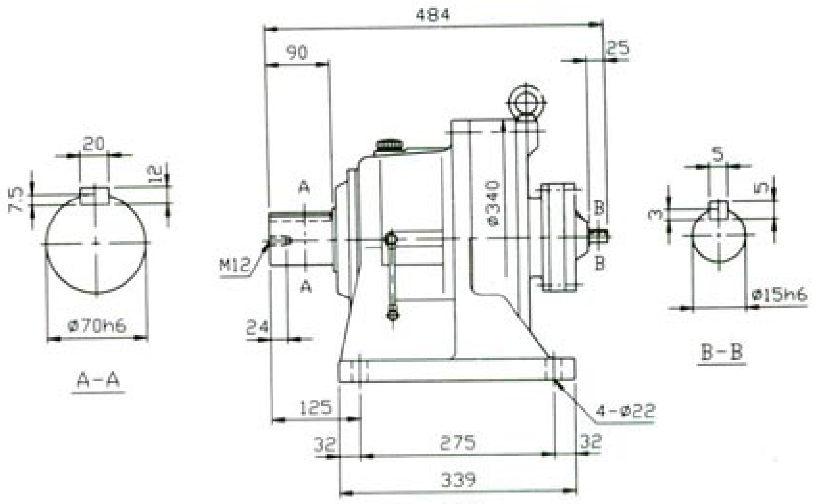


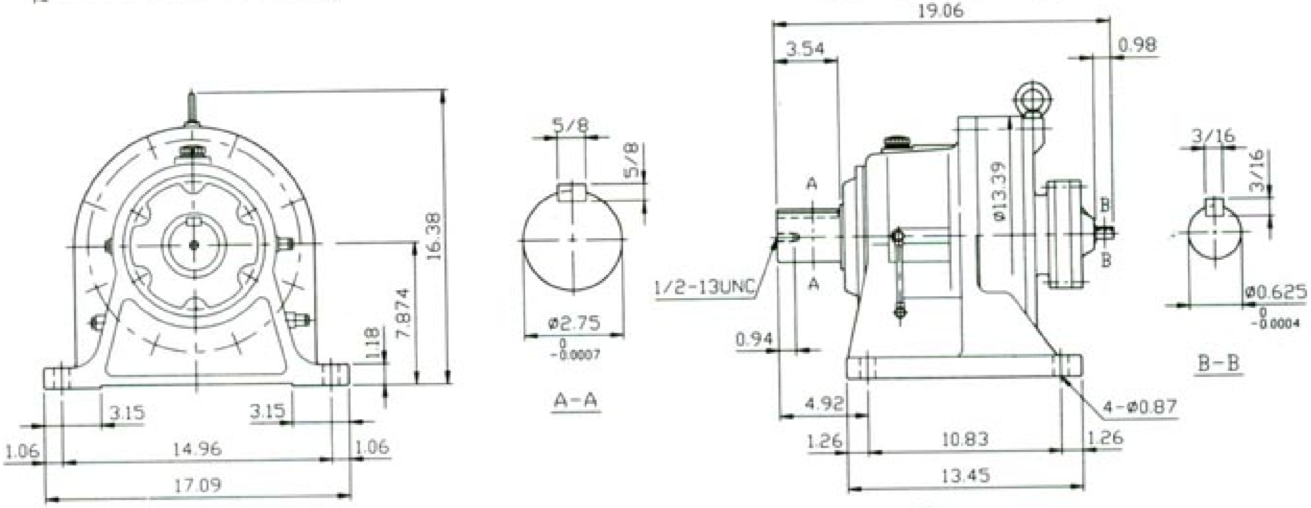




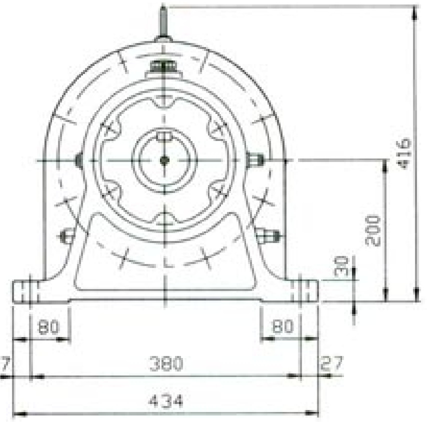
THH-617/10 Weight 125kg, 275 lbs

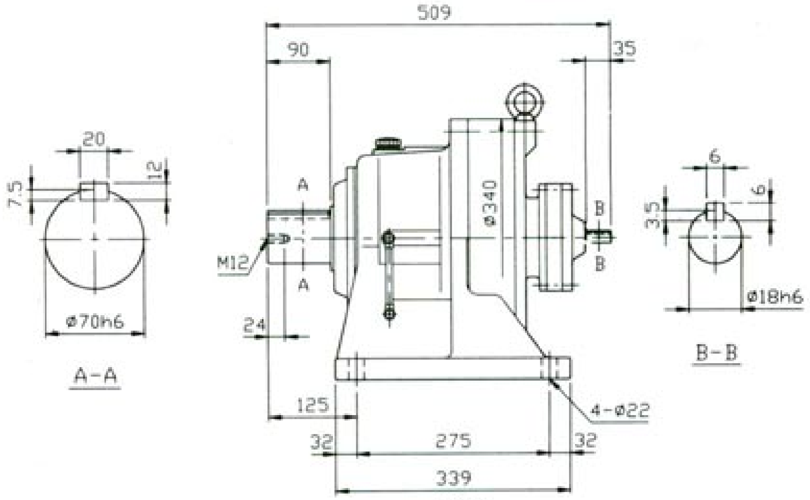


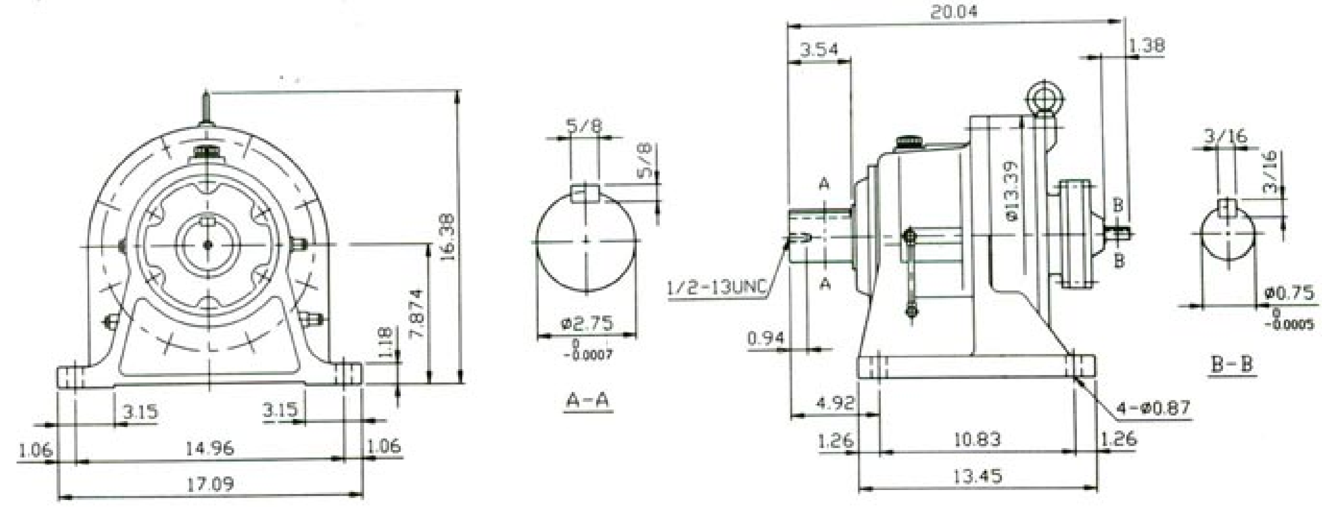




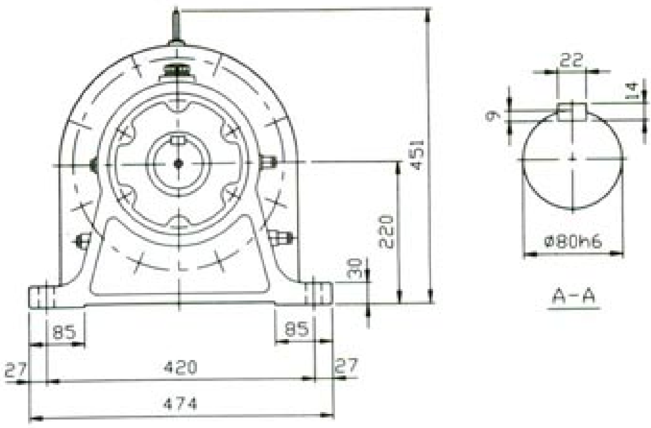
THH-617/11 Weight 130kg, 286 lbs

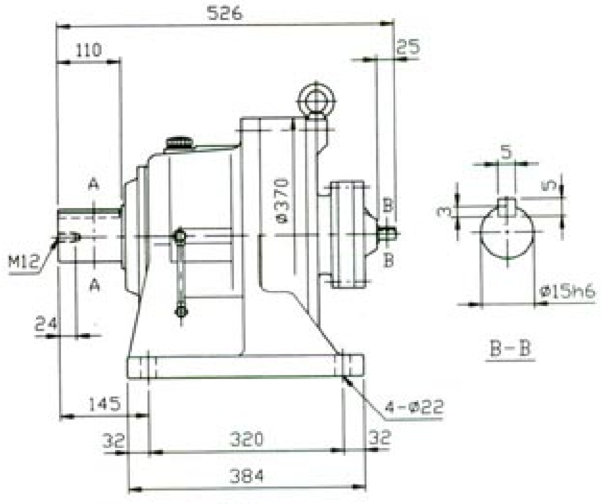


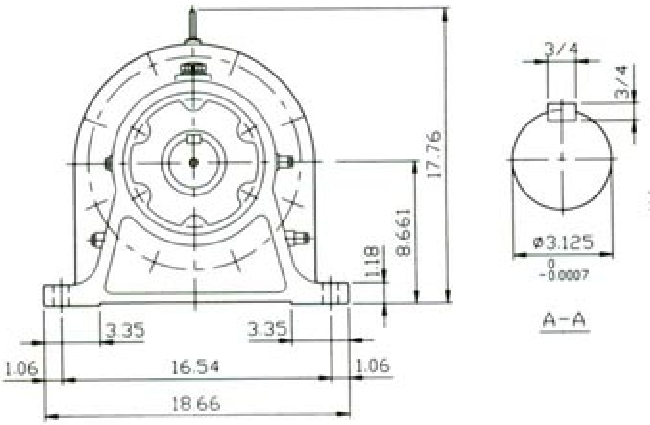


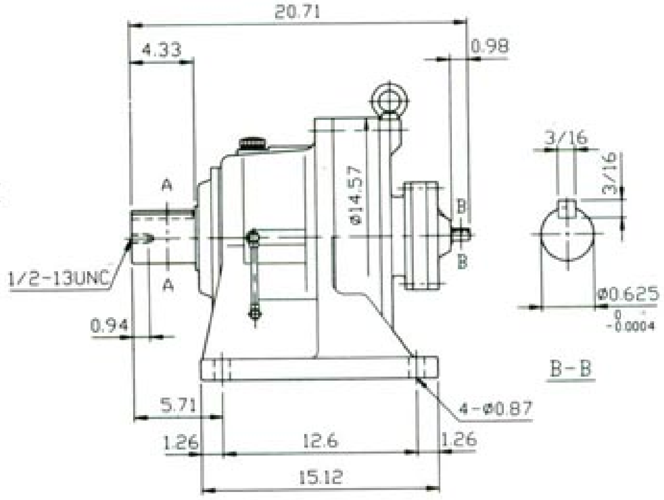


THH-618/10 Weight 166kg, 365 lbs

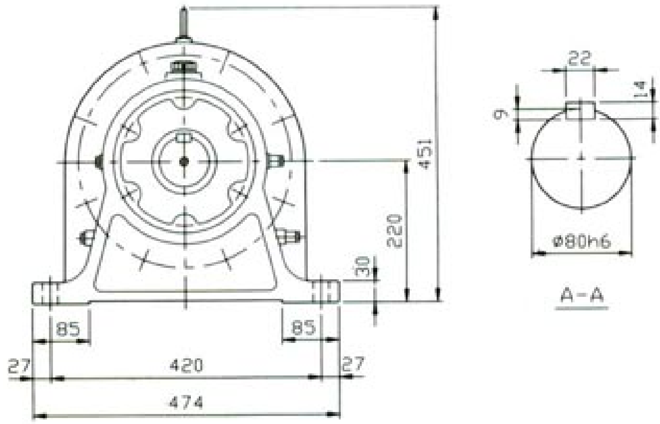


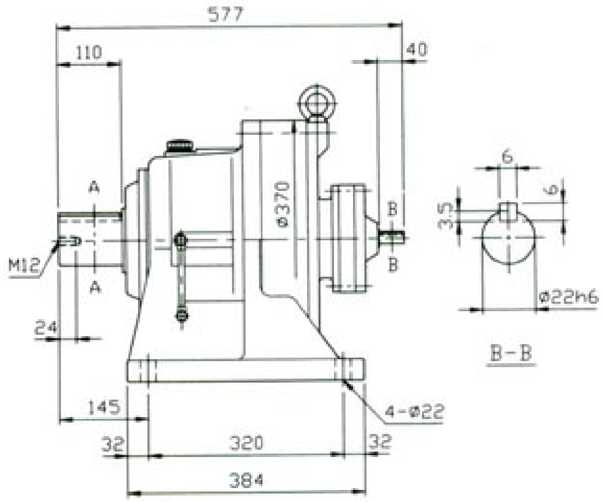


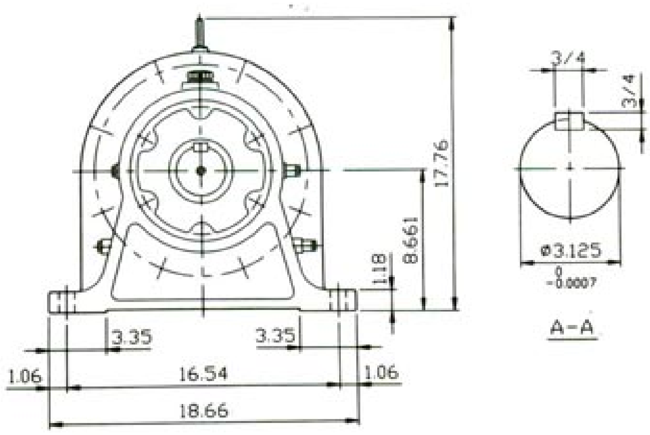


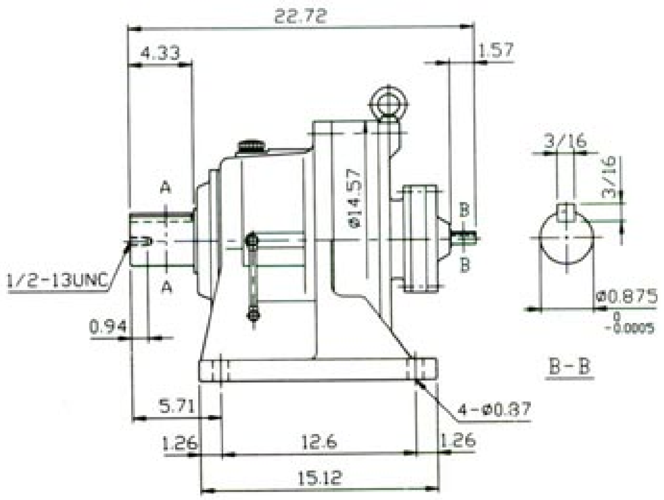


THH-618/13 Weight 185kg, 407 lbs

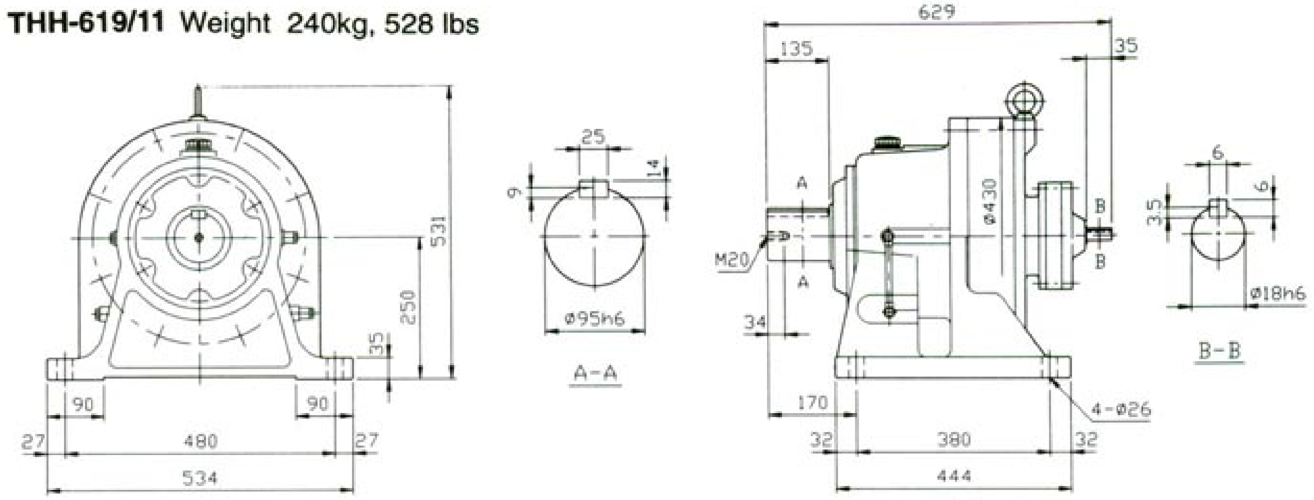


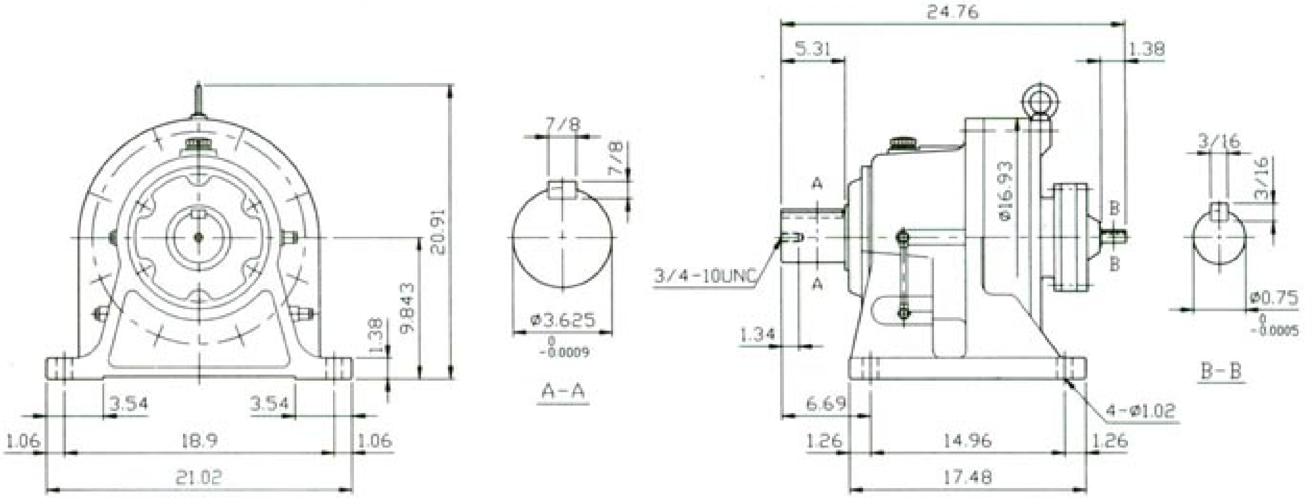




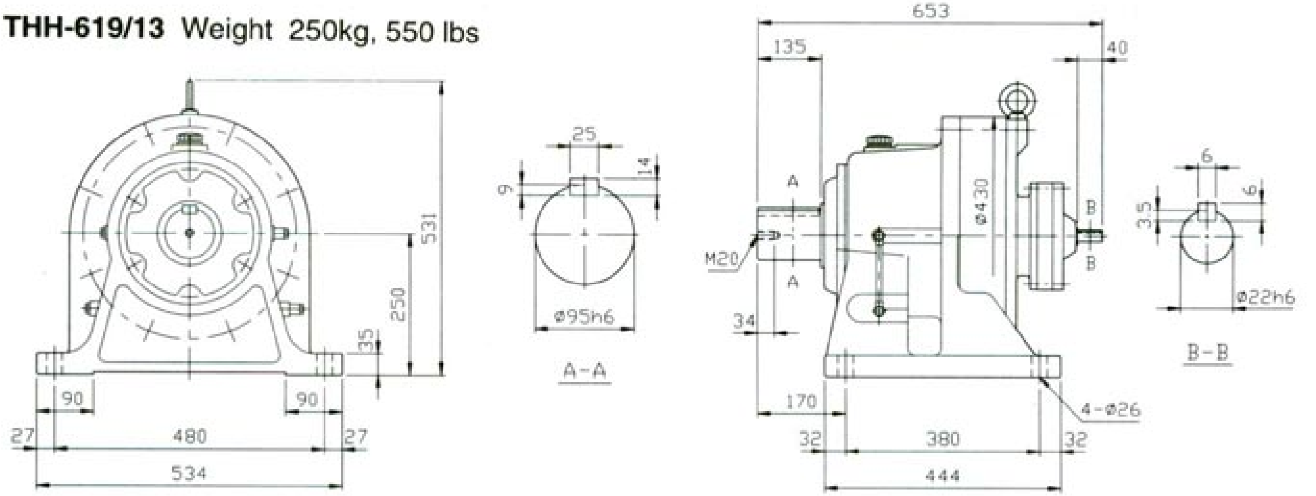


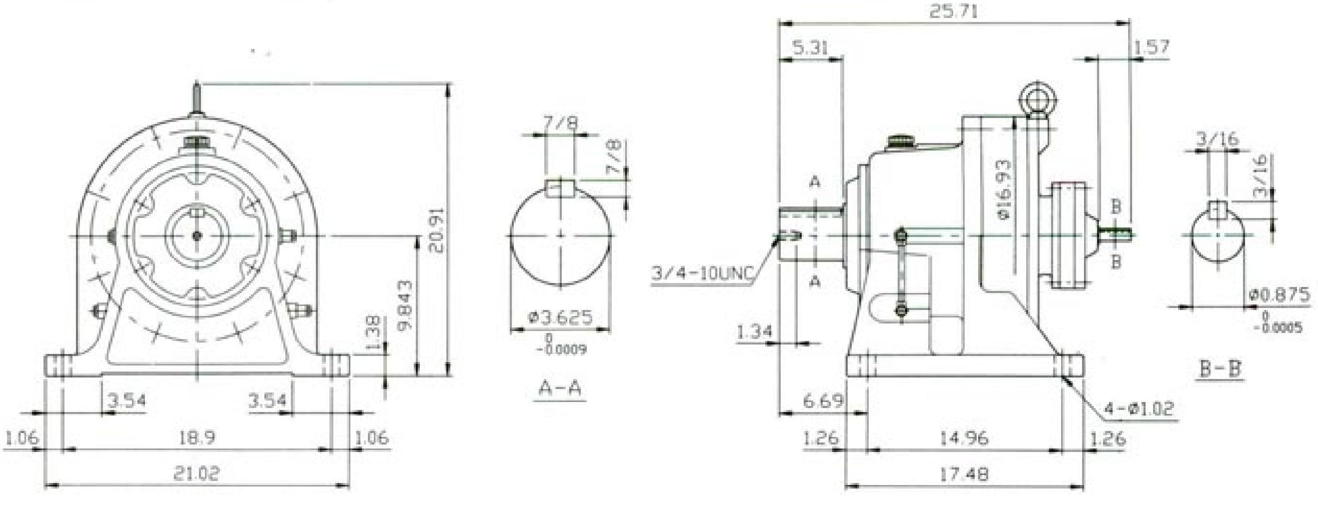
THH-619/11 Weight 240kg, 528 lbs



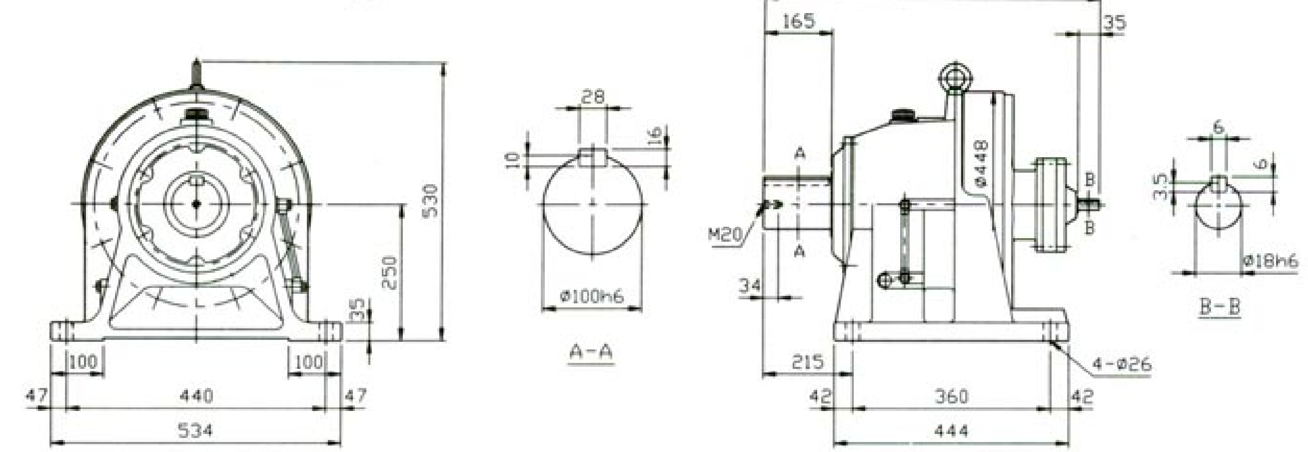


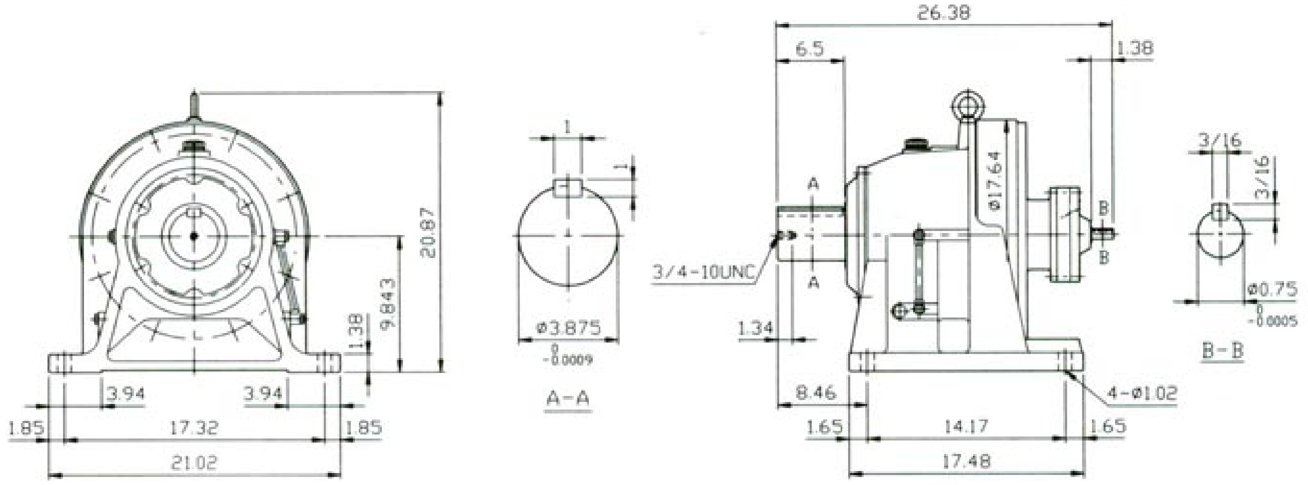
THH-619/13 Weight 250kg, 550 lbs



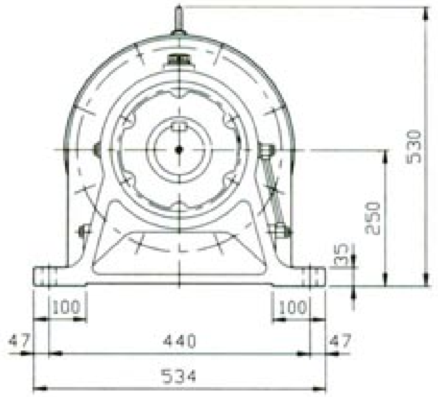


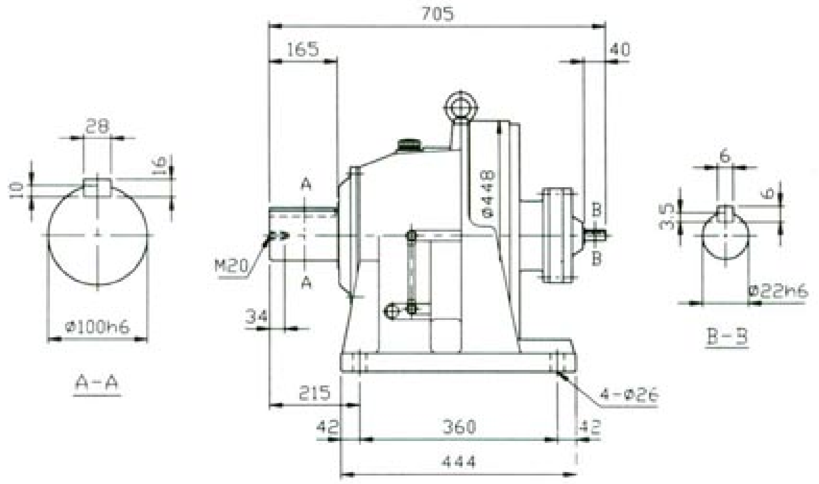
THH-620/11 Weight 261kg, 574 lbs

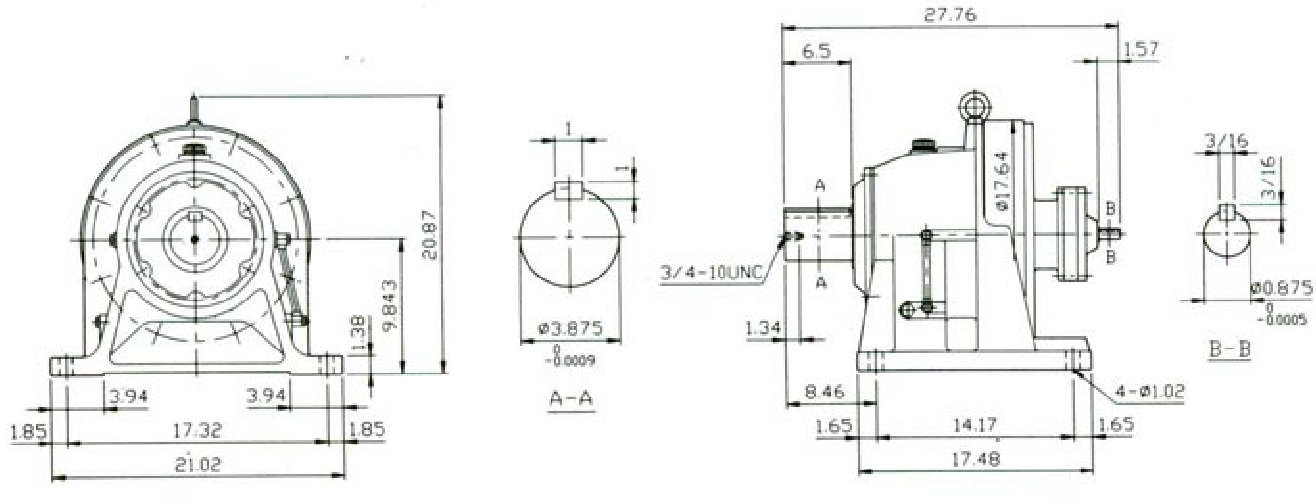




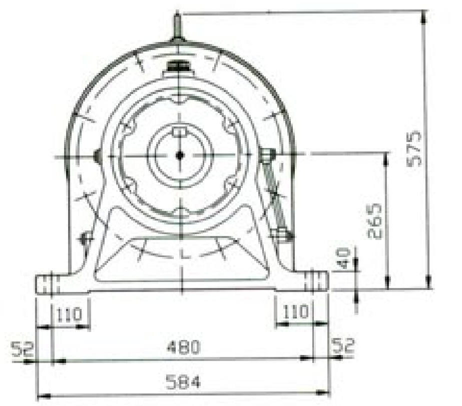
THH-620/13 Weight 275kg, 605 lbs

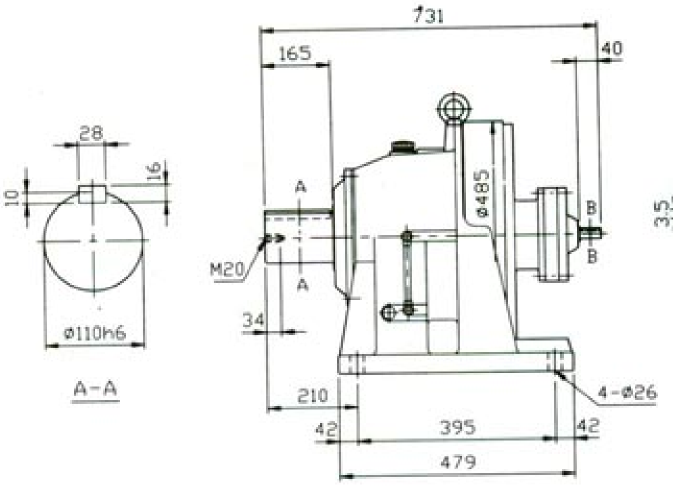


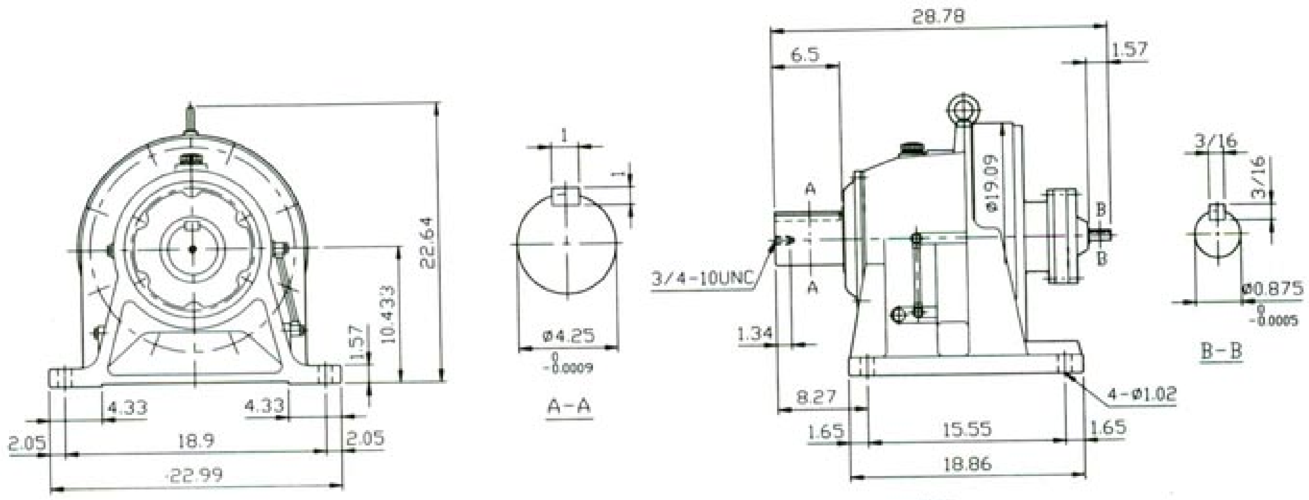




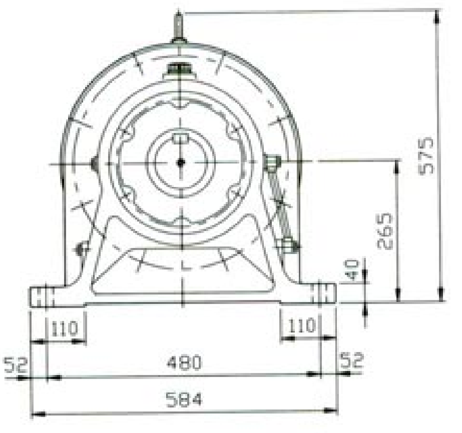
THH-621/13 Weight 355kg, 781 lbs

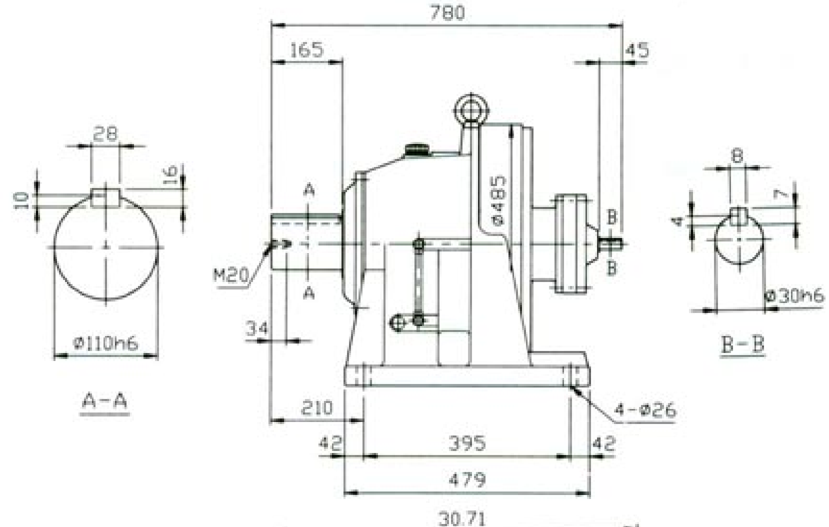


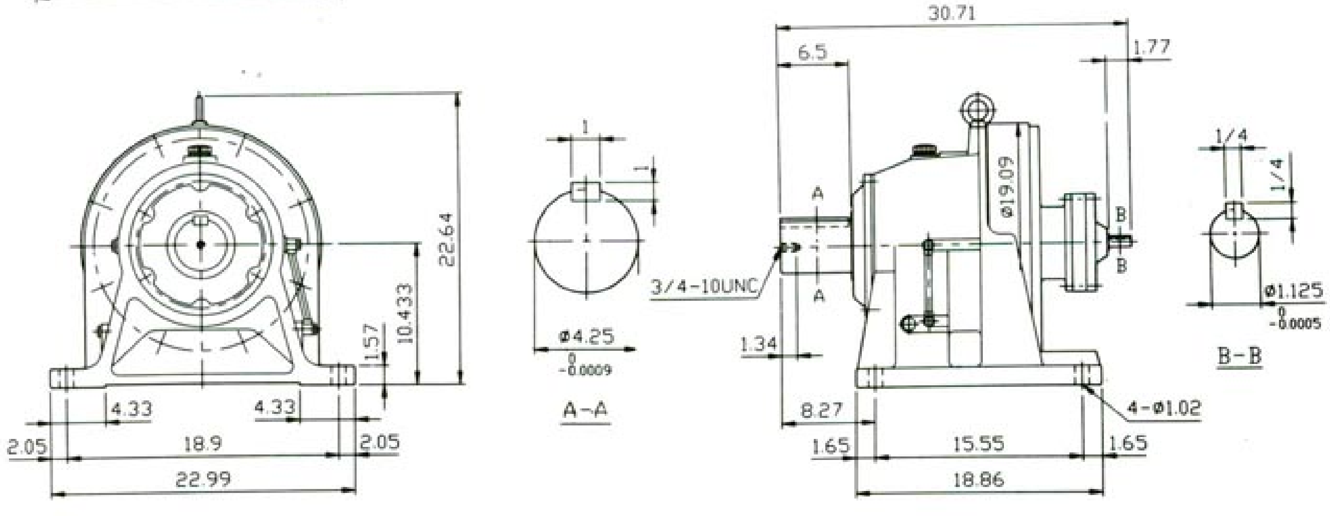




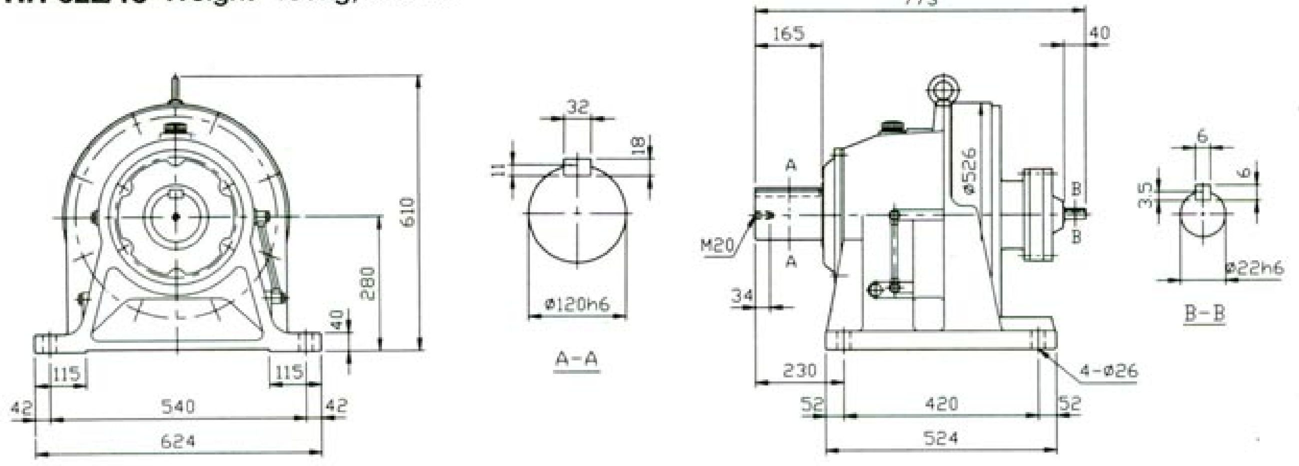
THH-621/16 Weight 375kg, 825 lbs

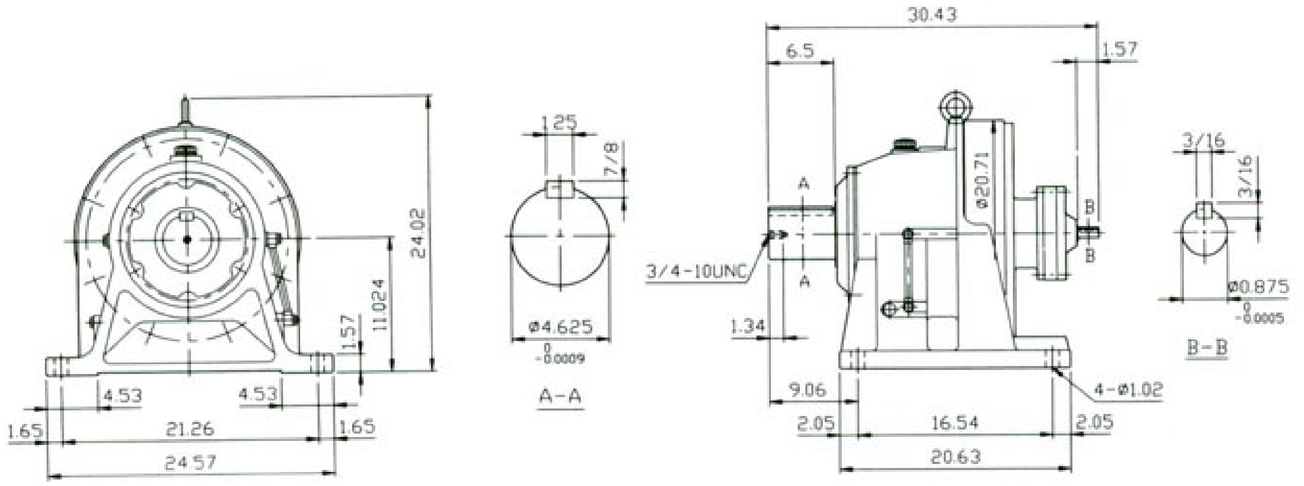




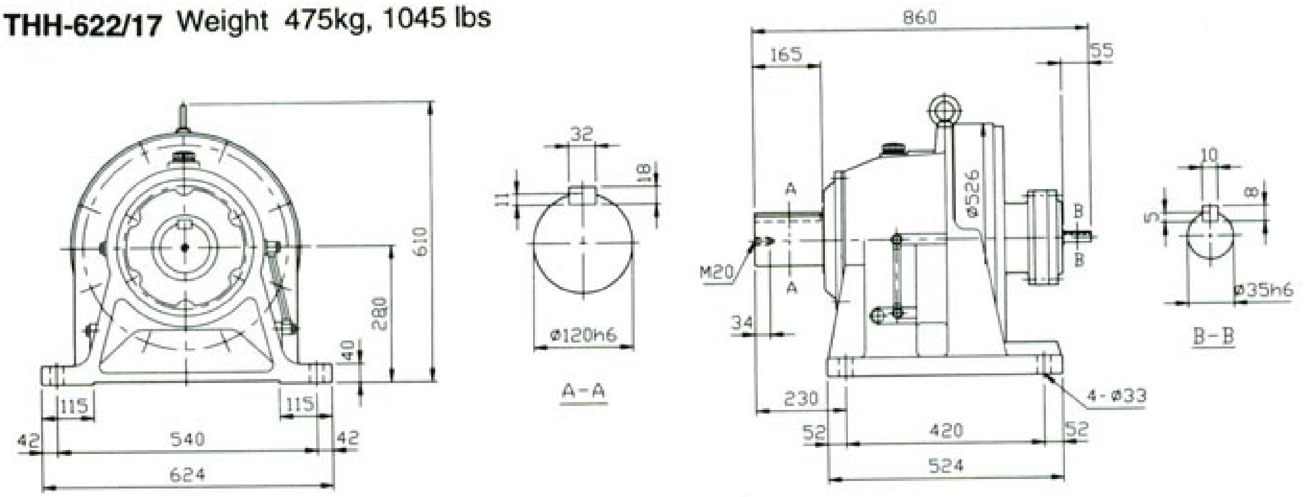


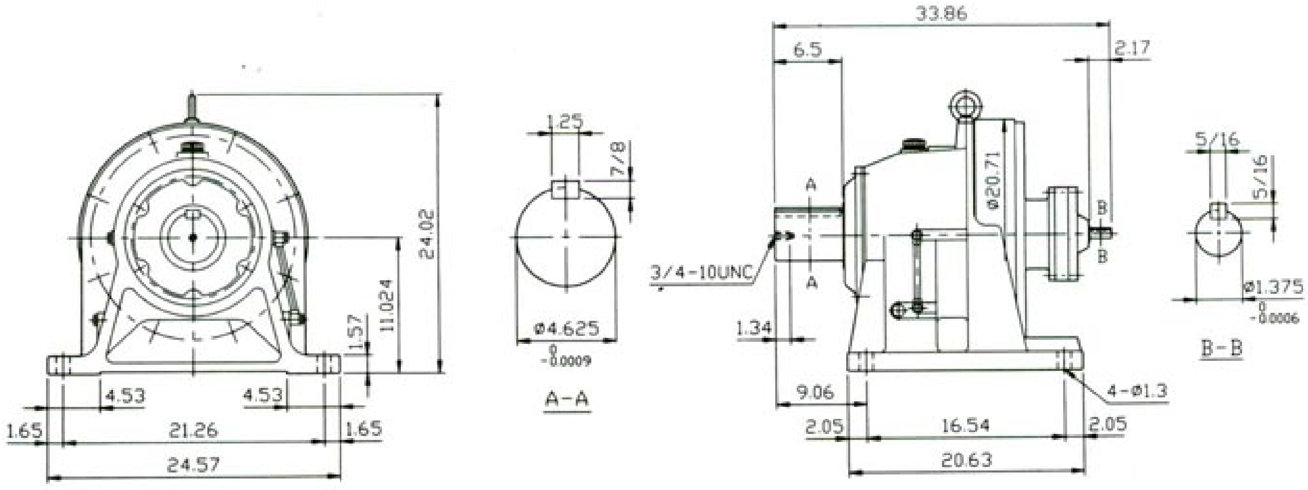
THH-622/13 Weight 430kg, 946 lbs



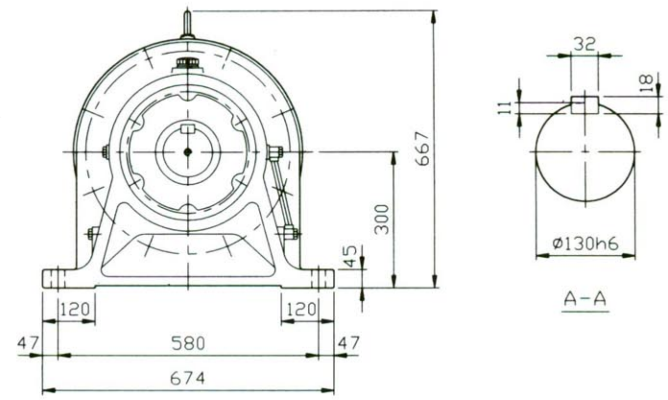


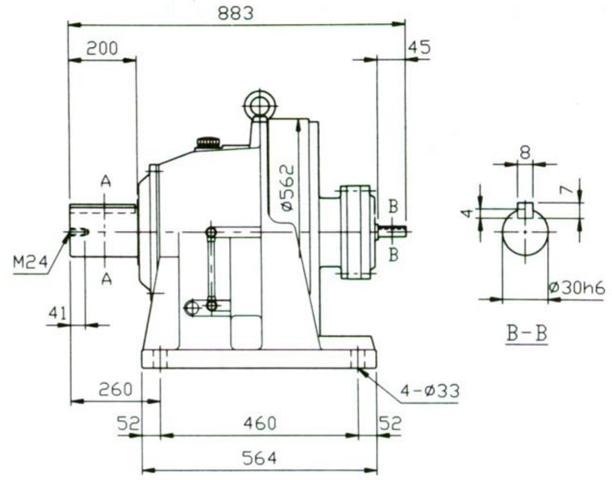
THH-622/17 Weight 475kg, 1045 lbs

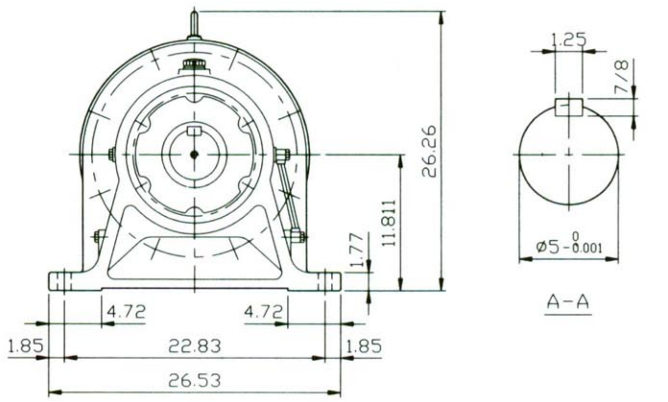


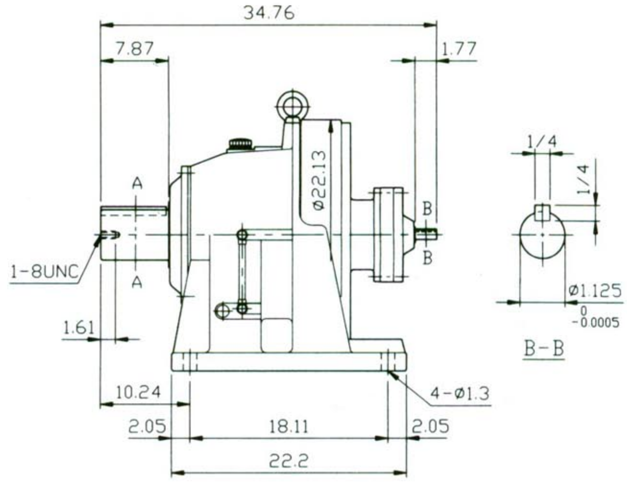


THH-623/16 Weight 550kg, 1210 lbs

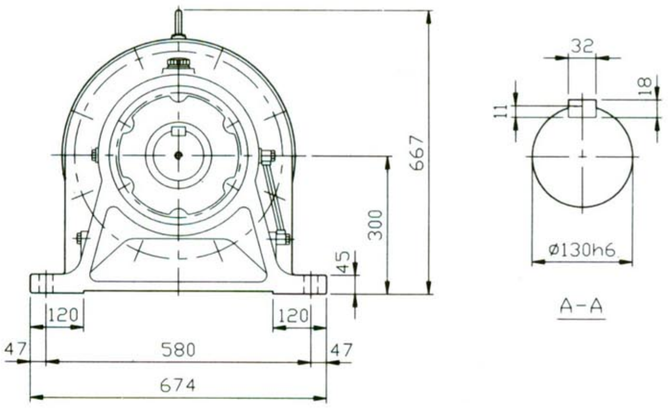


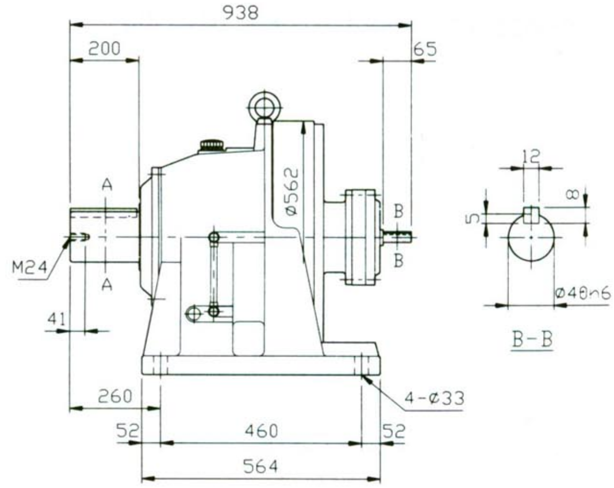


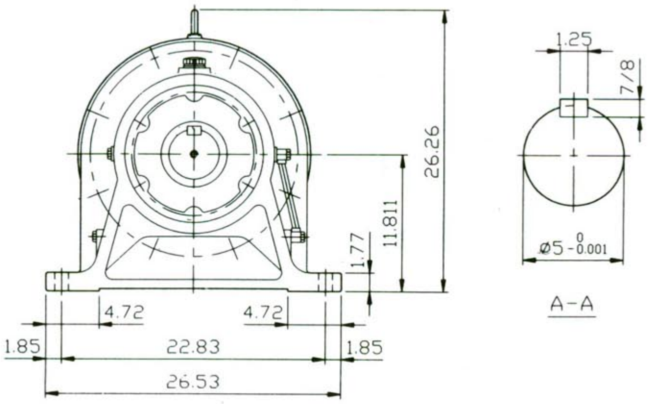


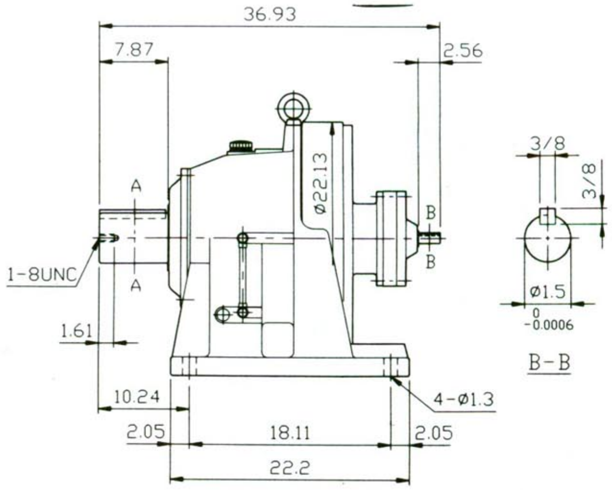


THH-623/18 Weight 583kg, 1283 lbs

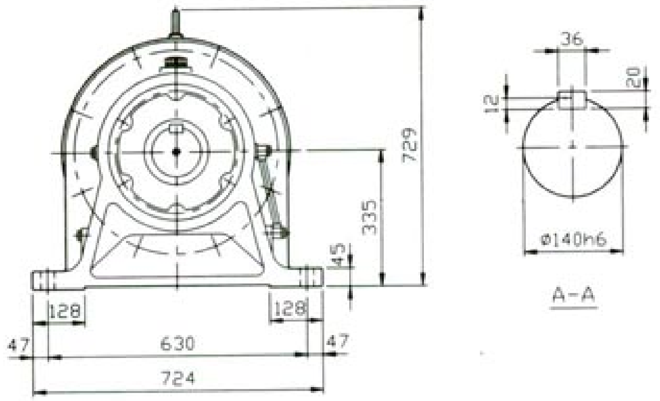


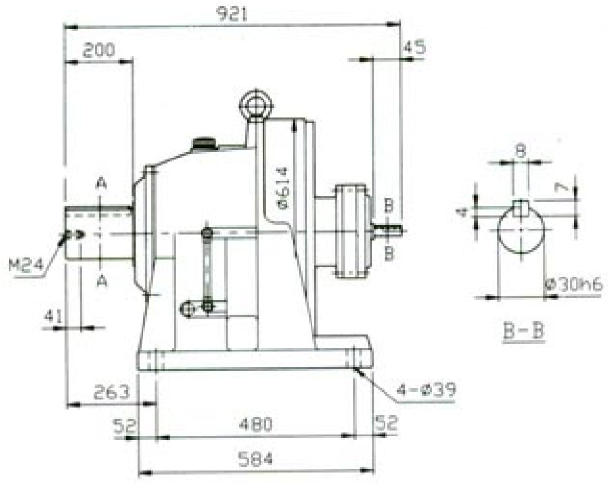


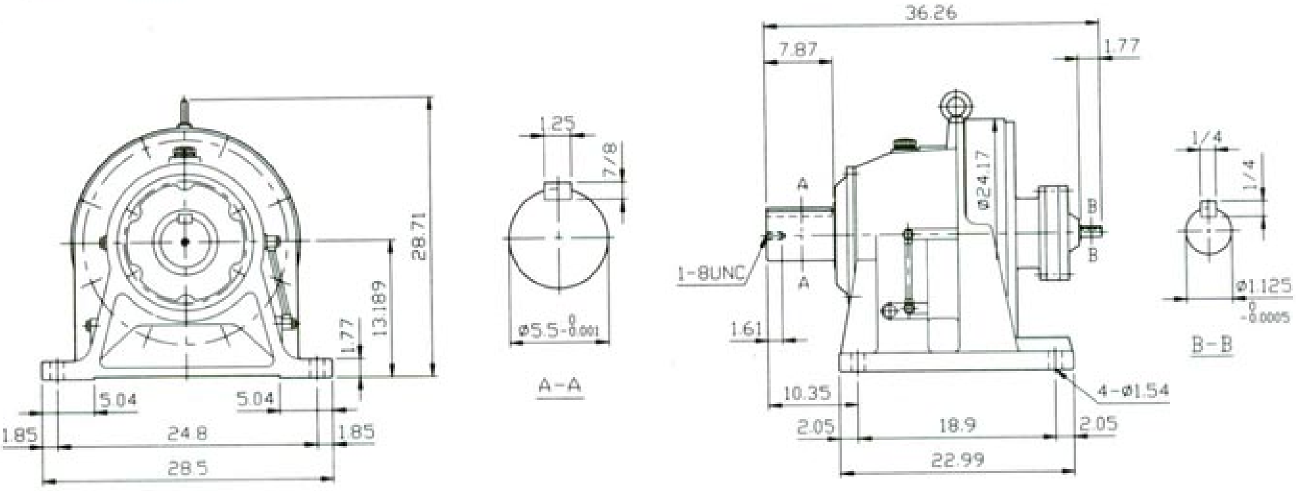




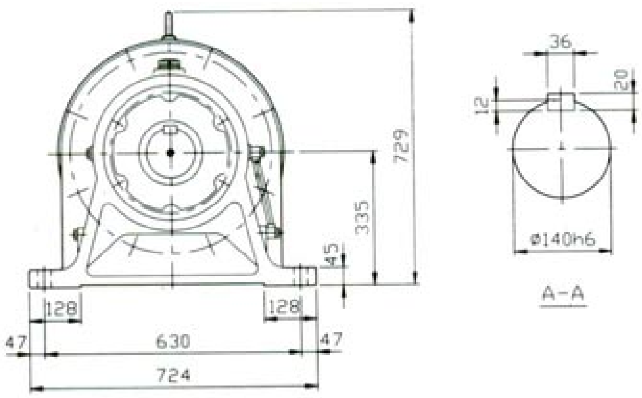
THH-624/16 Weight 655kg, 1441 lbs

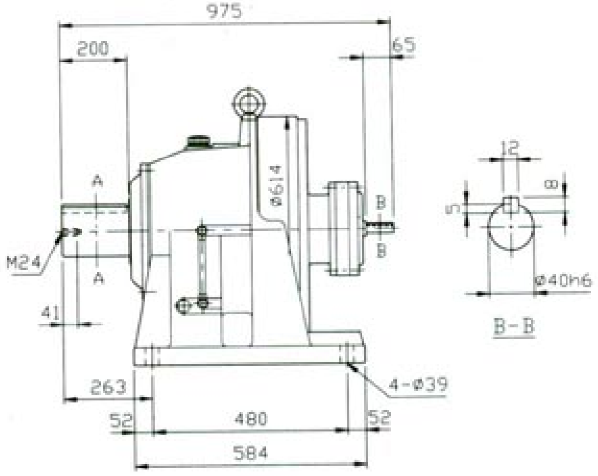


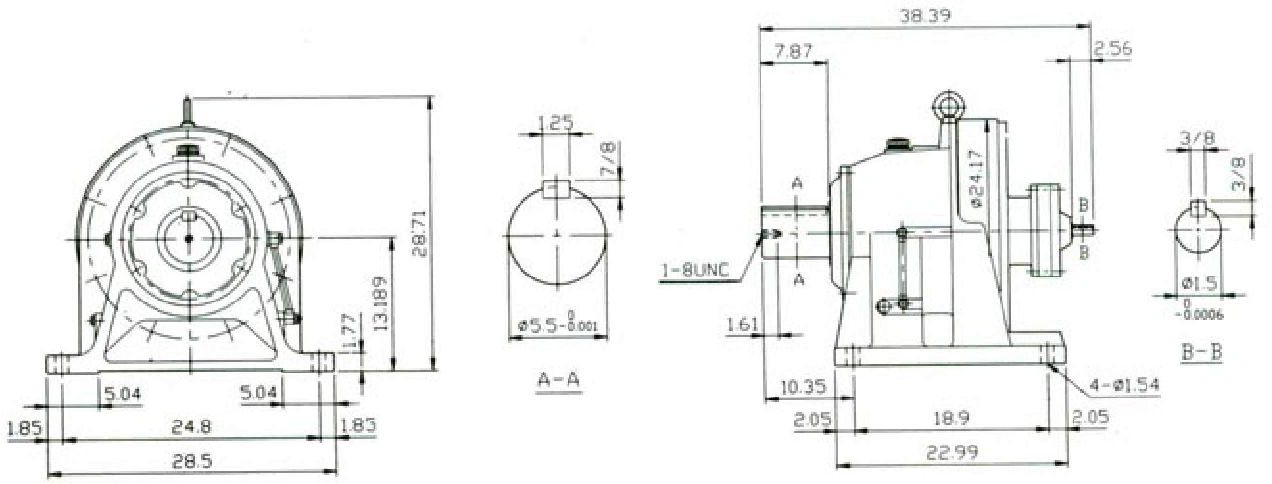




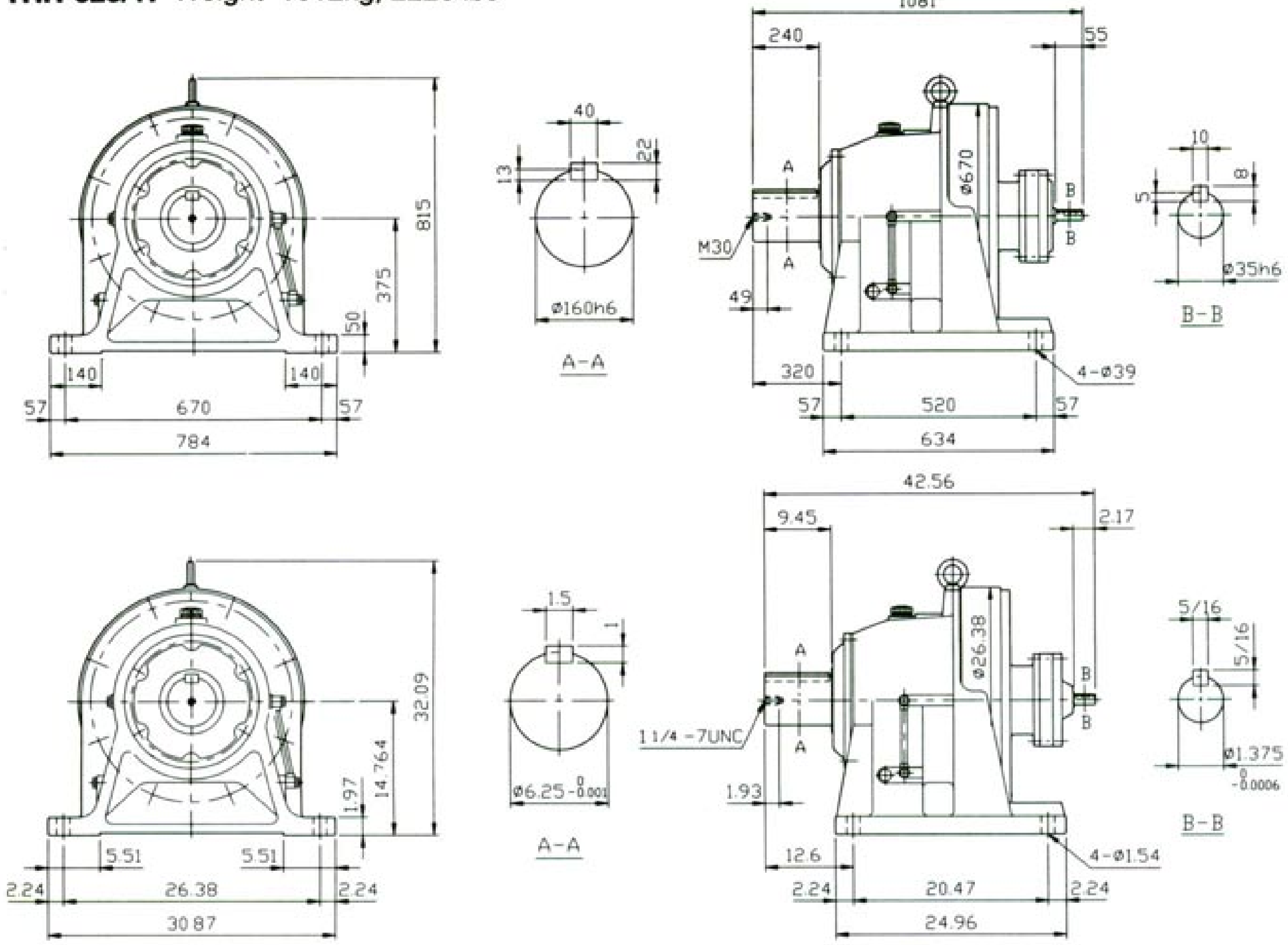
THH-624/18 Weight 688kg, 1514 lbs



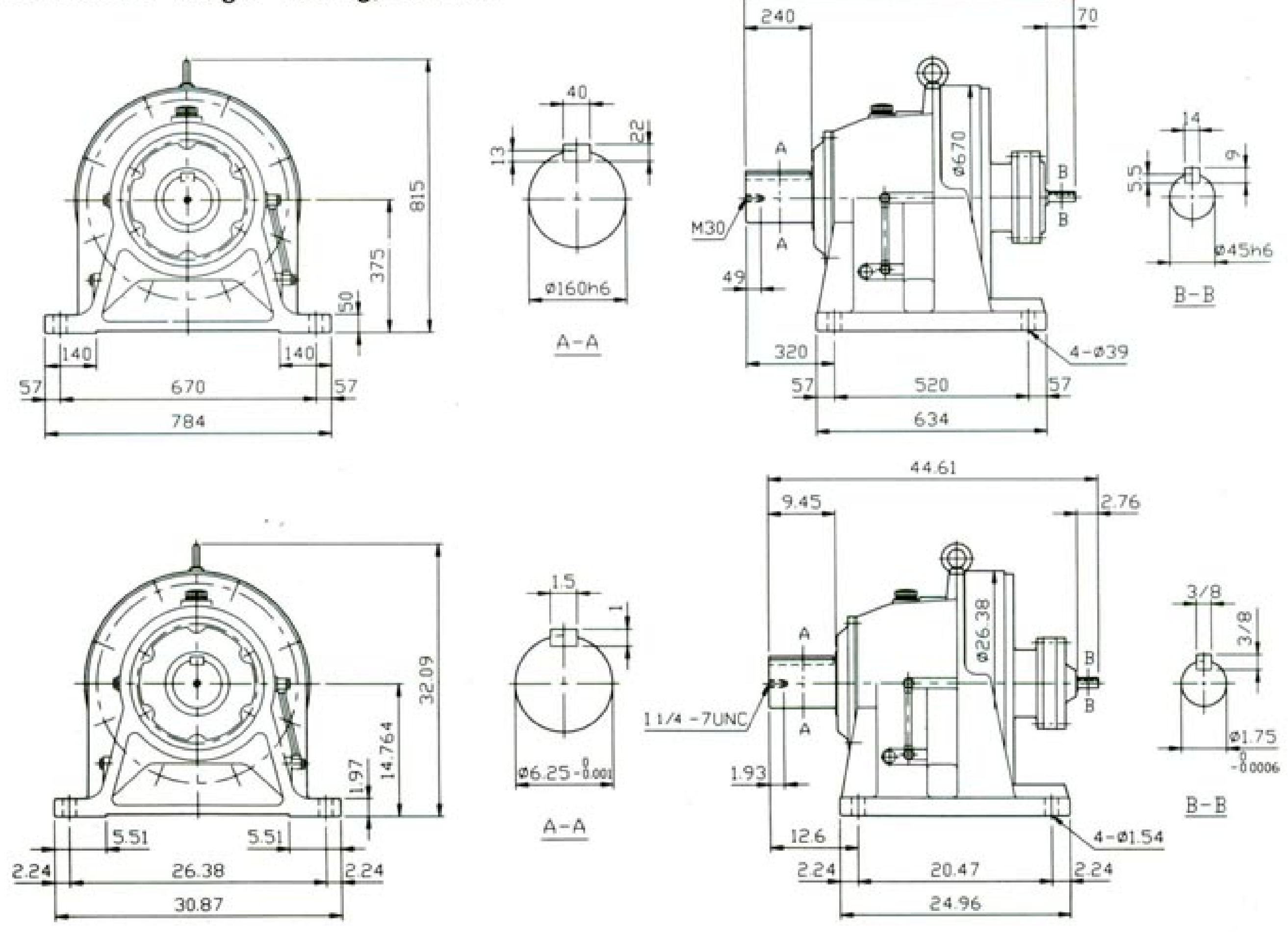




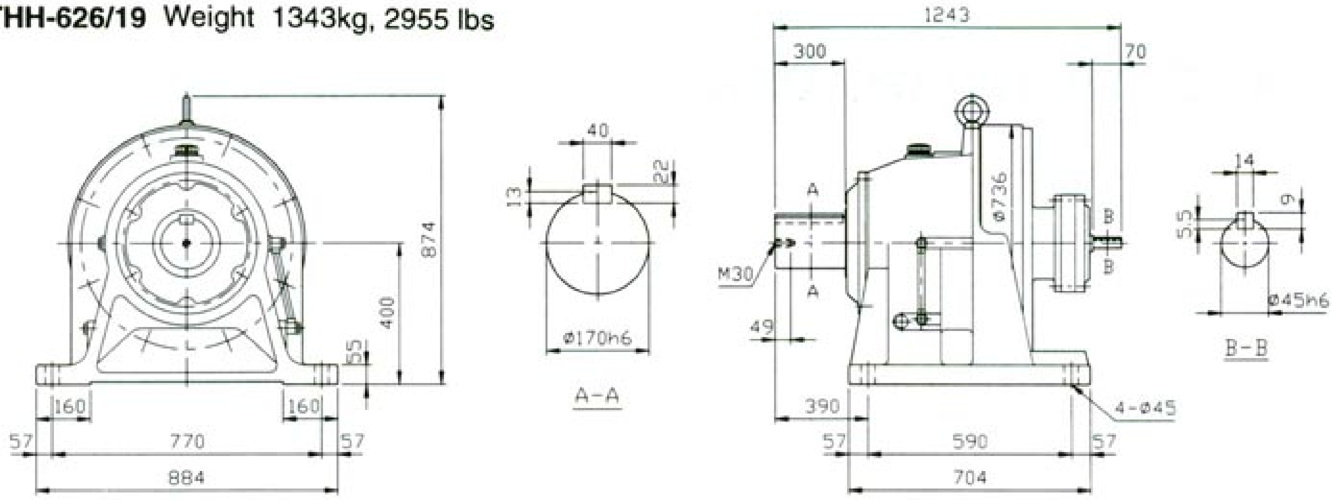
THH-625/17 Weight 1012kg, 2226 lbs

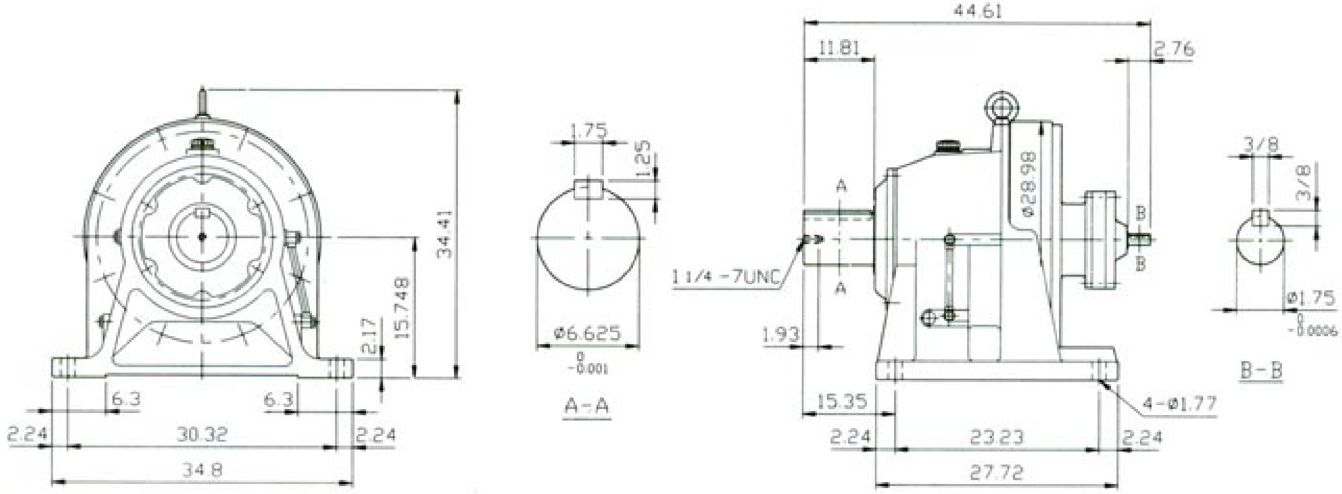


THH-625/19 Weight 1087kg, 2391 lbs

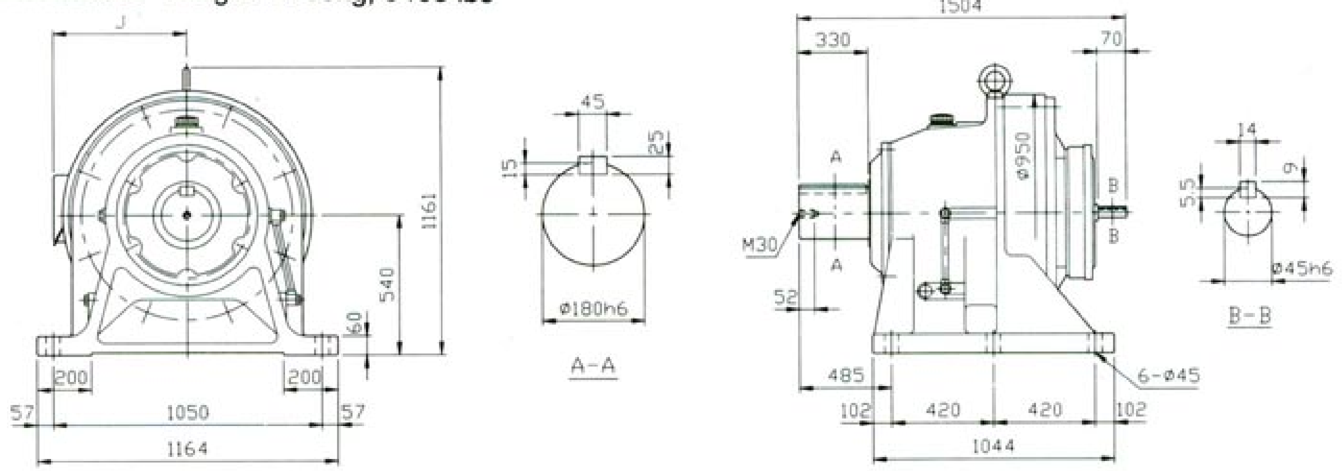


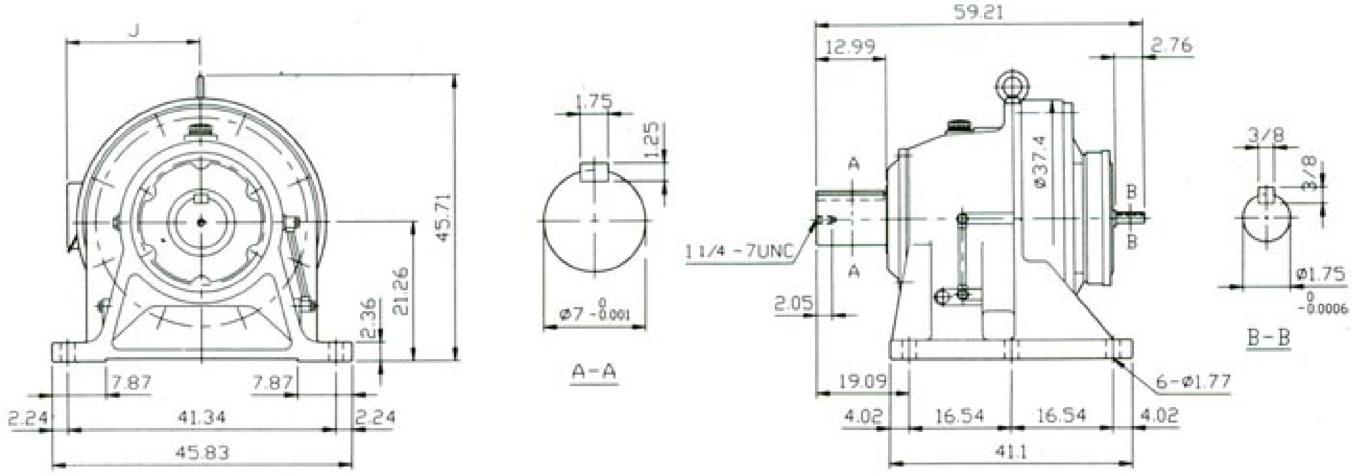
THH-626/19 Weight 1343kg, 2955 lbs





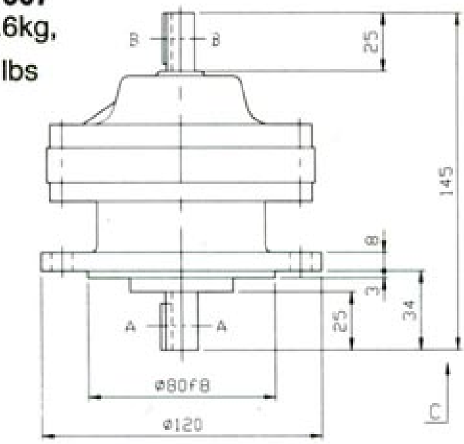
THH-627/19 Weight 2483kg, 5463 lbs

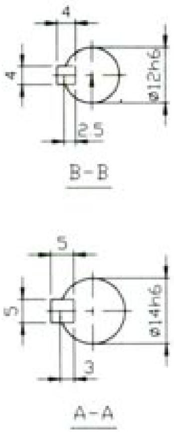


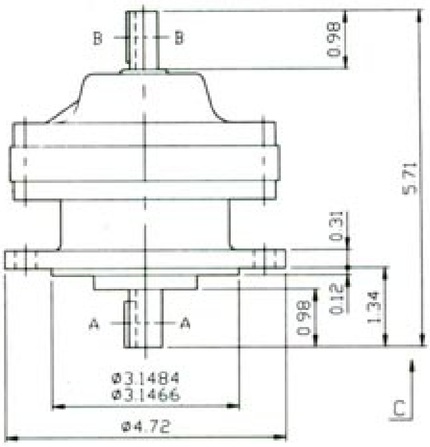


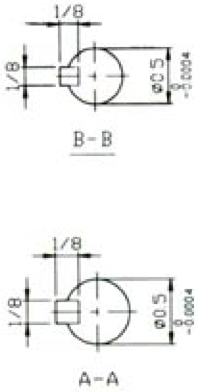
DIMENSION DRAWINGS Single Stage Reduction, Vertical TRANSCYKO Speed Reducrs

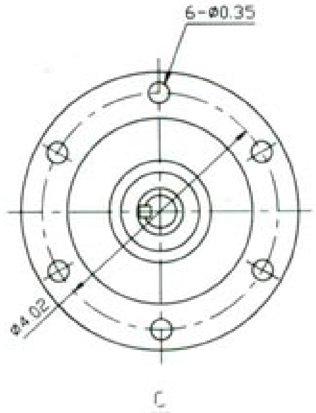
TV-607
Weight 3.6kg,
8 lbs



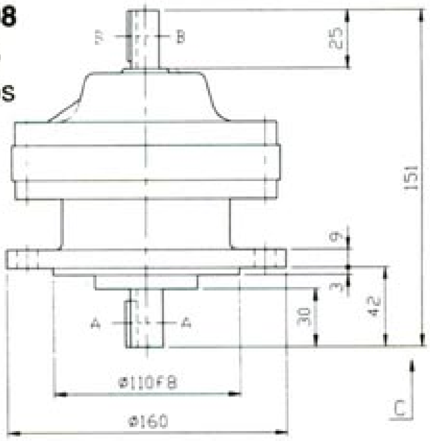


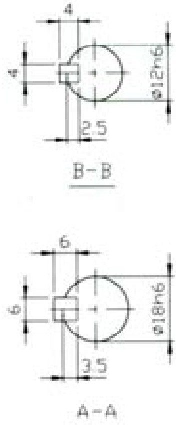


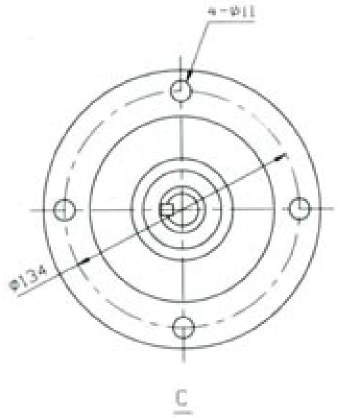


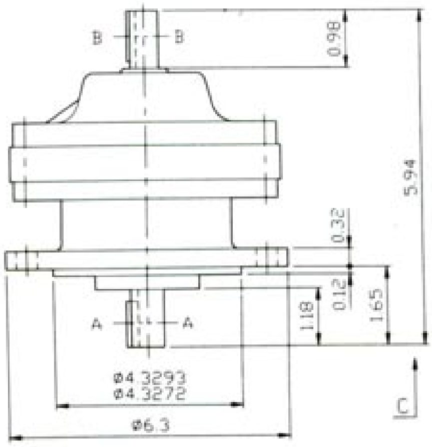


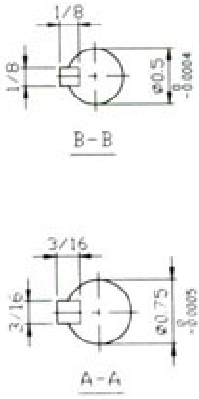
TV-608
Weight 4.5kg,
101 lbs

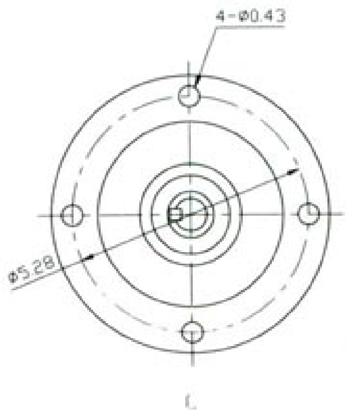




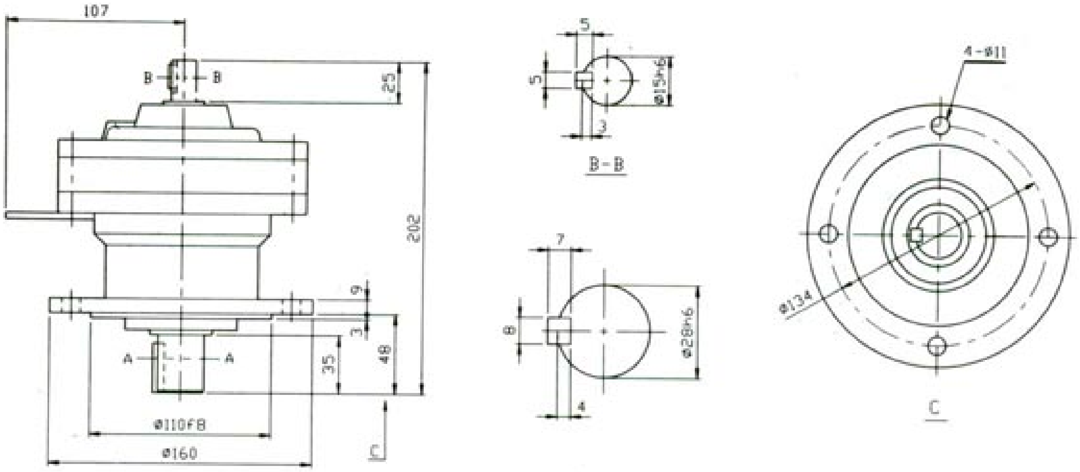


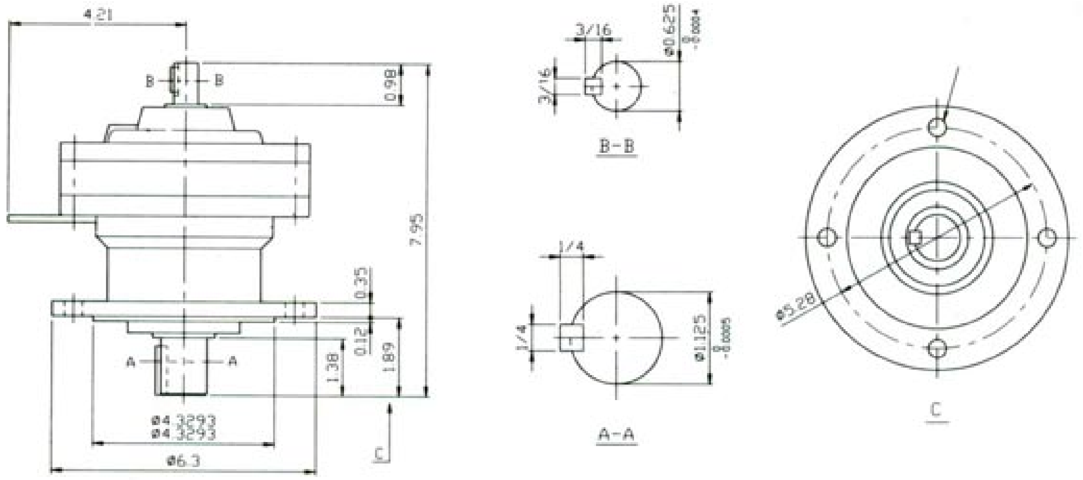




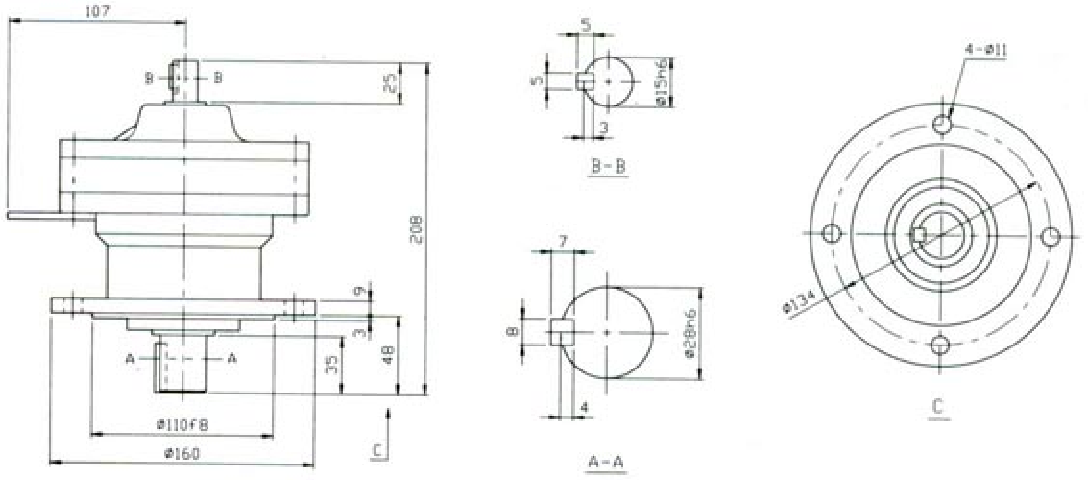


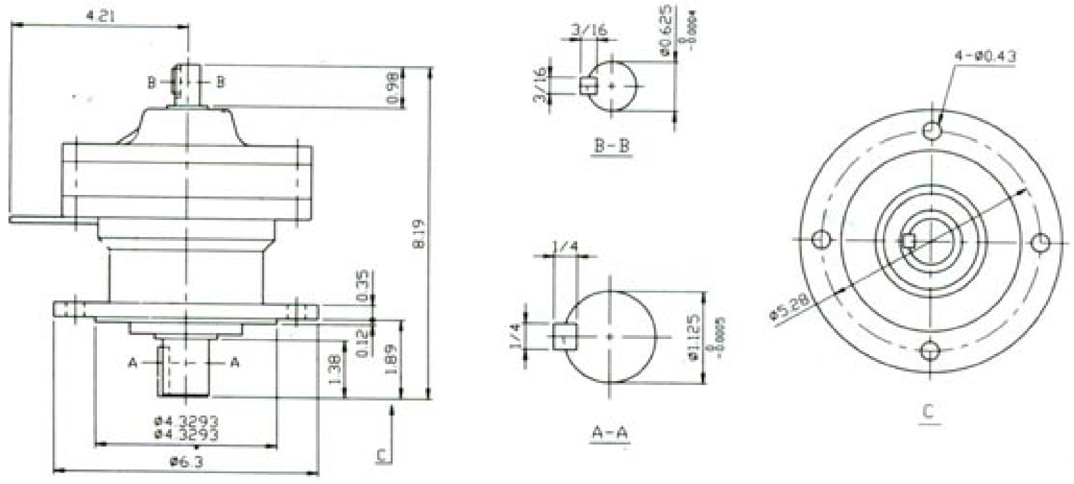
TV-609
Weight 9kg,
20 lbs



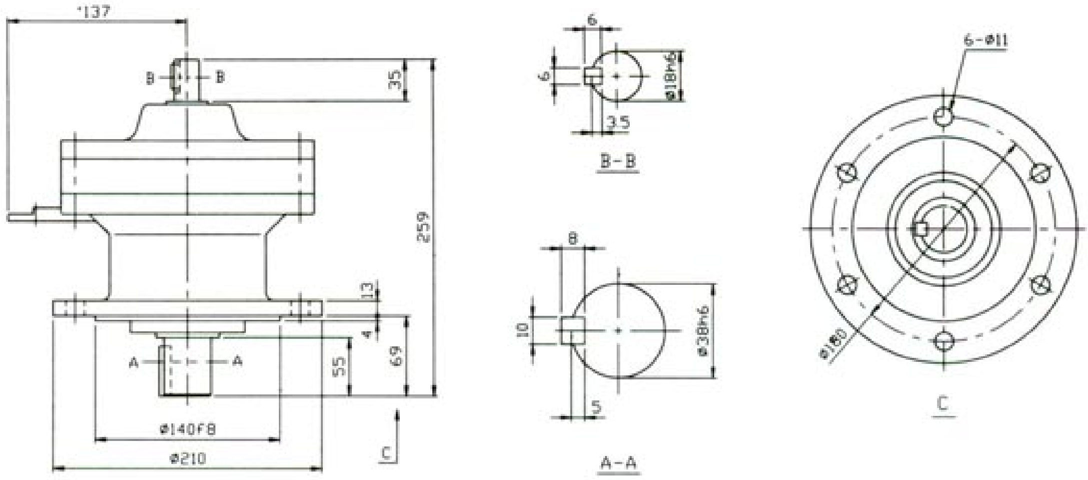


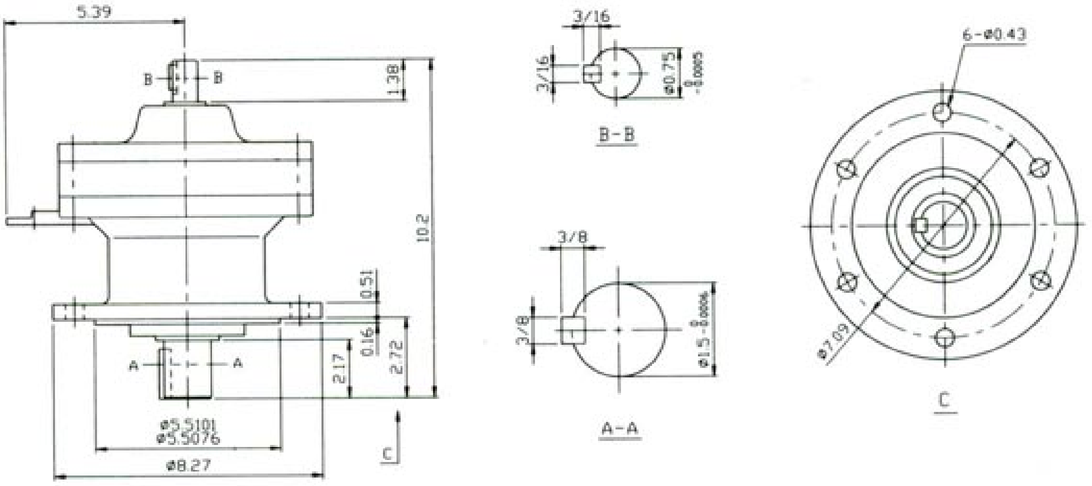
TV-610
Weight 12kg,
26 lbs



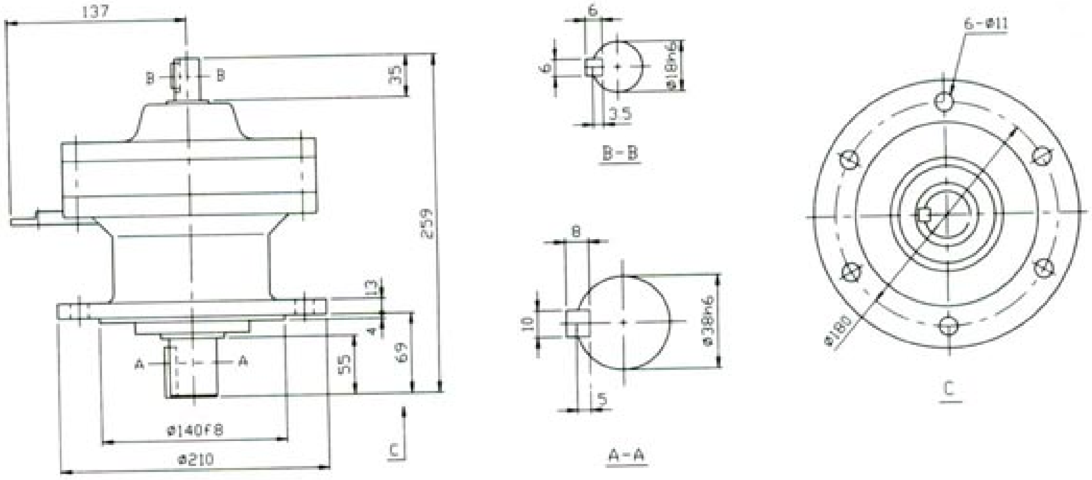


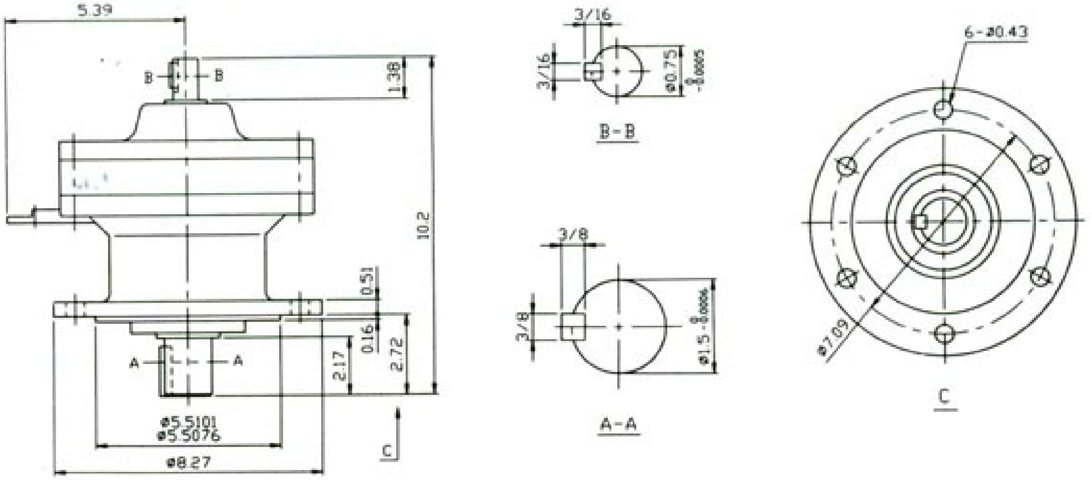
TV-611
Weight 24kg,
53 lbs



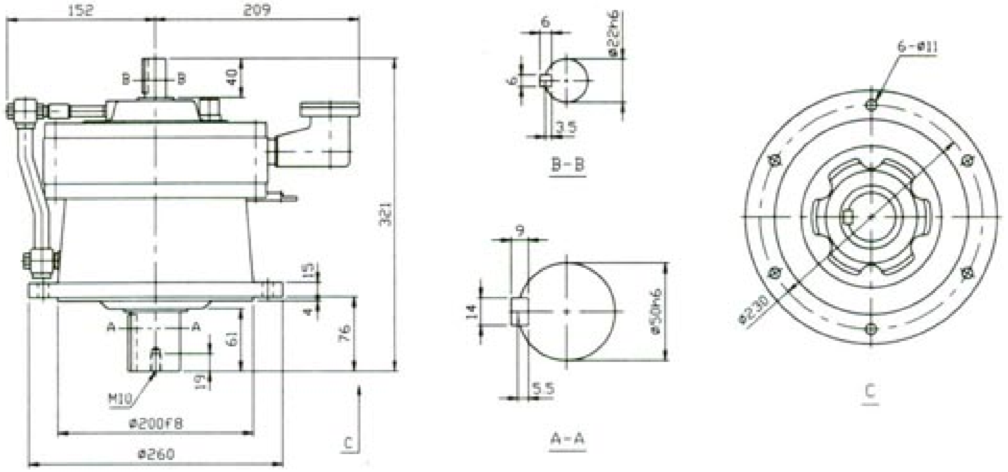


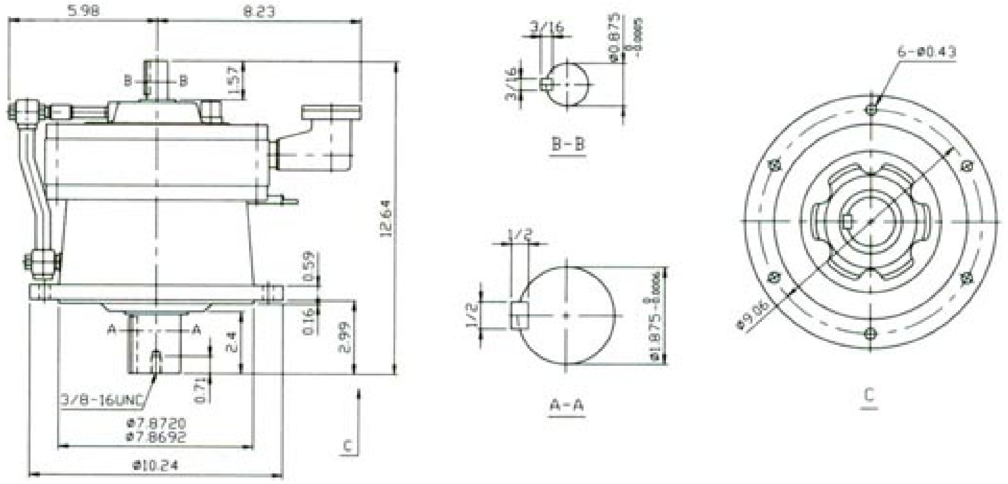
TV-612
Weight 24kg,
53 lbs



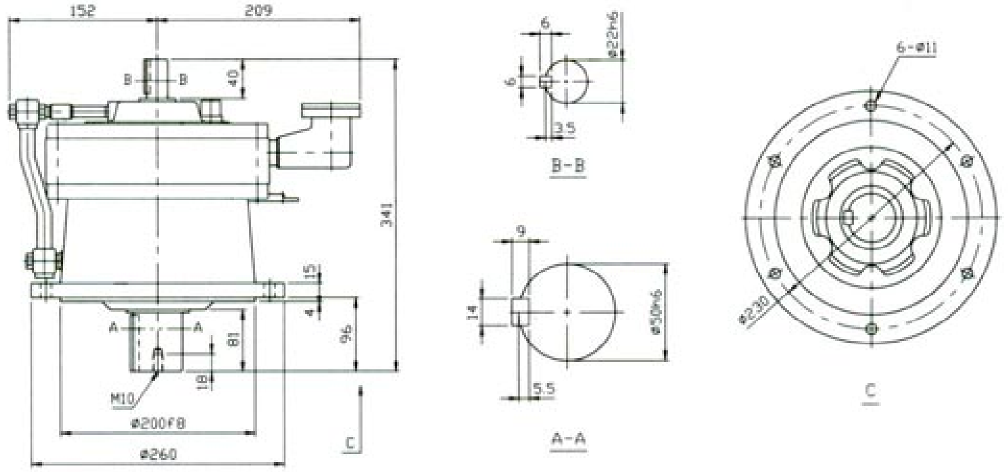


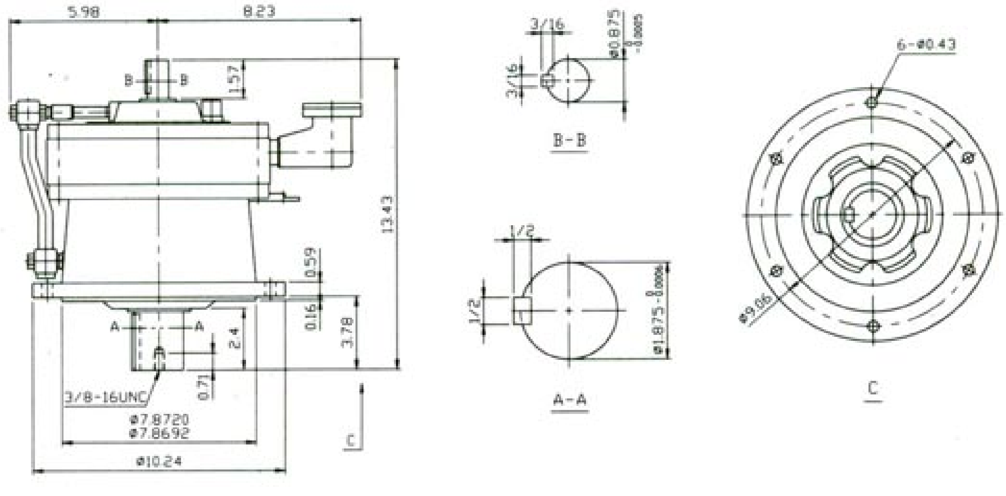
TDV-613
Weight 43kg,
95 lbs



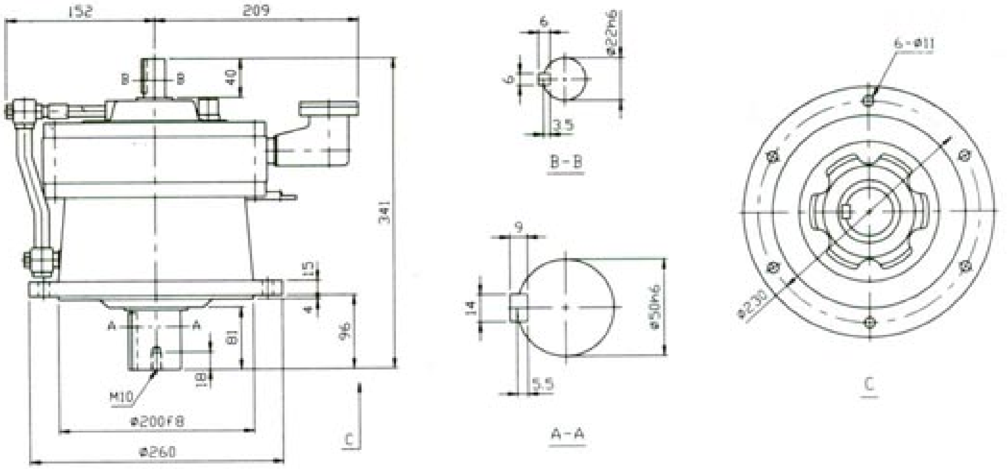


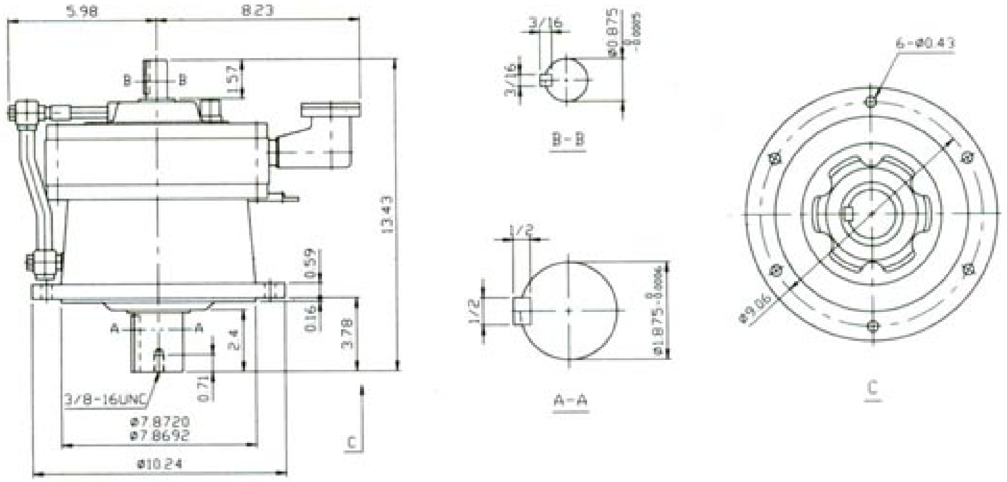
TDV-614
Weight 43kg,
95 lbs



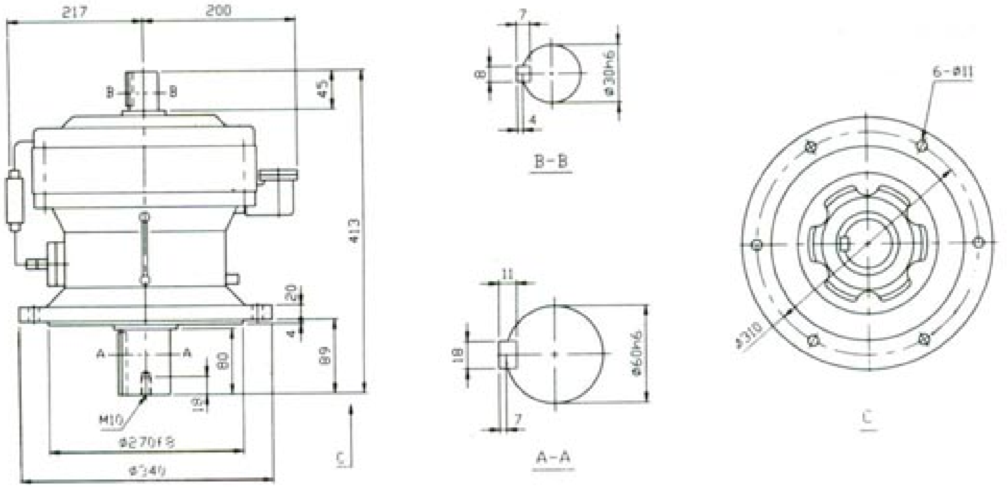


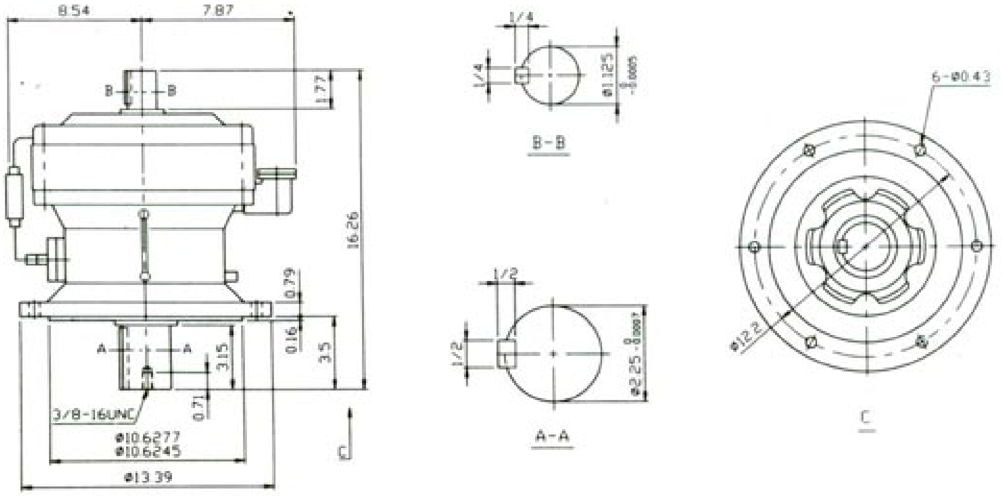
TDV-615
Weight 43kg,
95 lbs



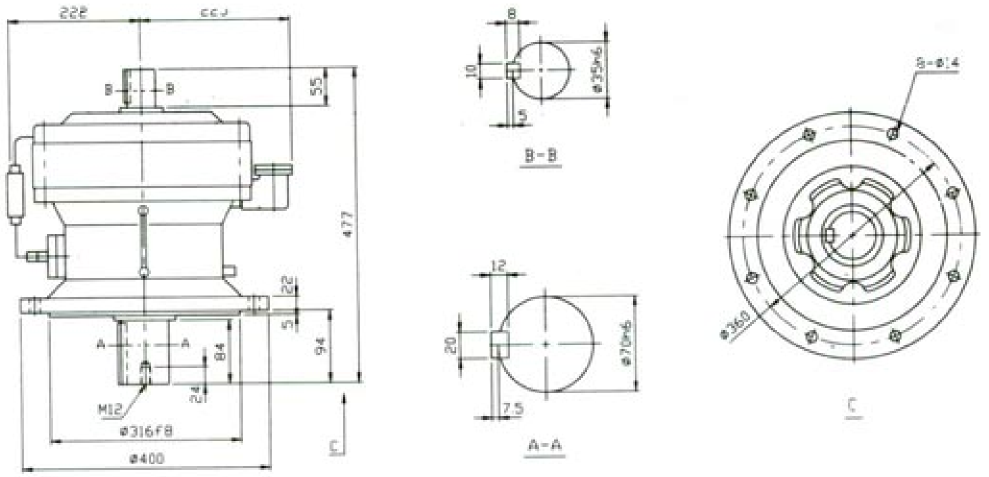


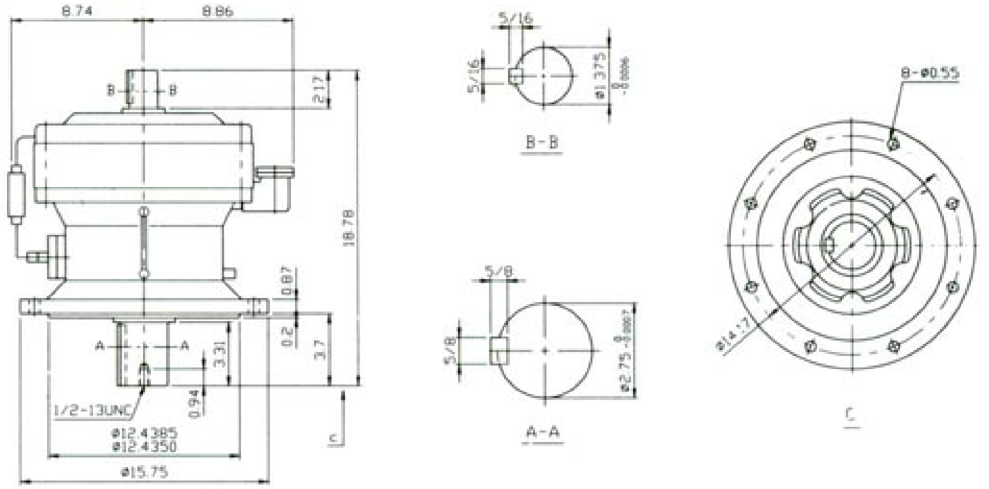
TDV-616
Weight 80kg,
176 lbs



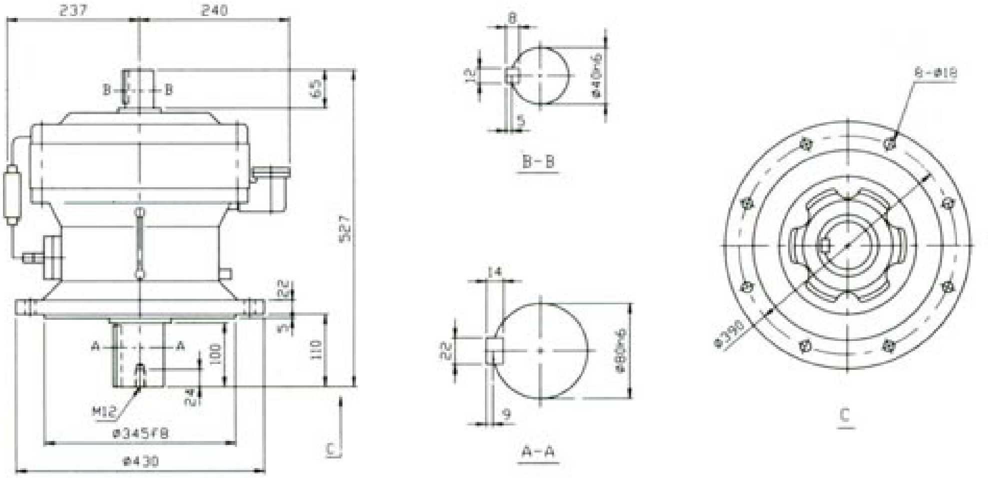


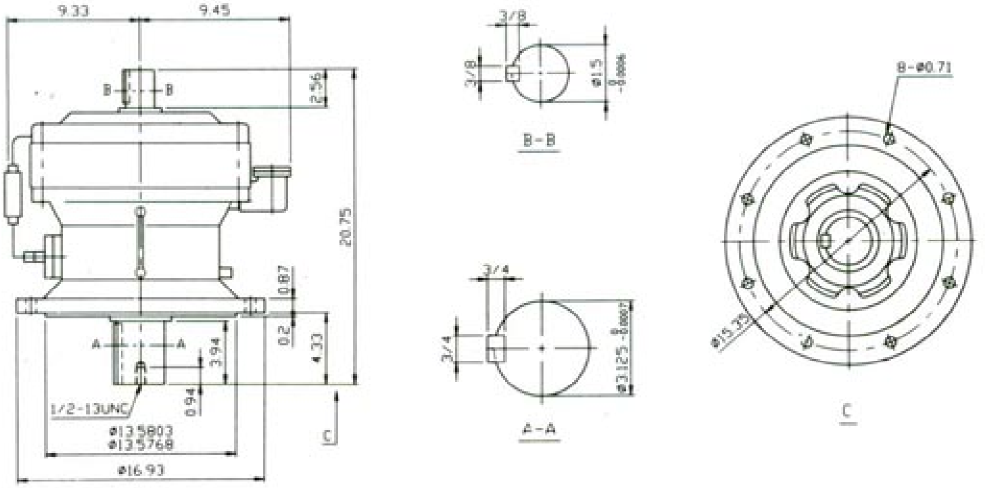
TDV-617
Weight 125kg,
275 lbs



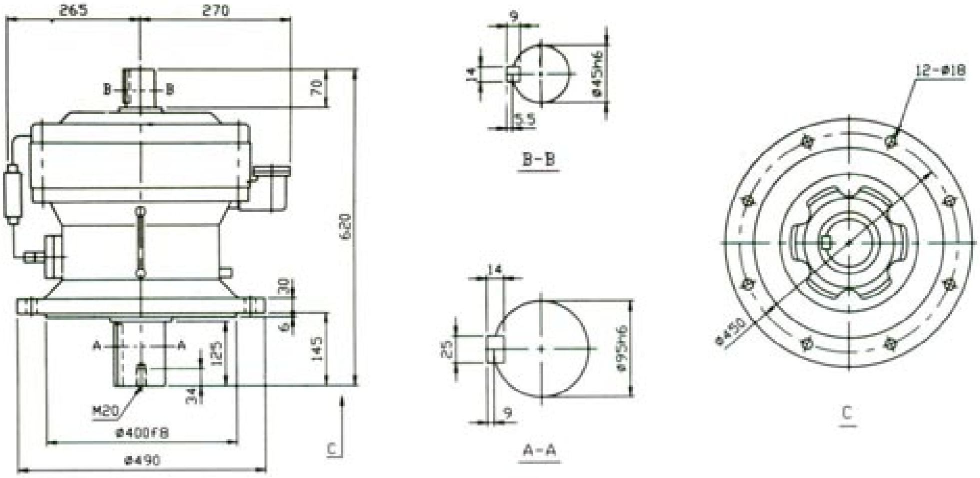


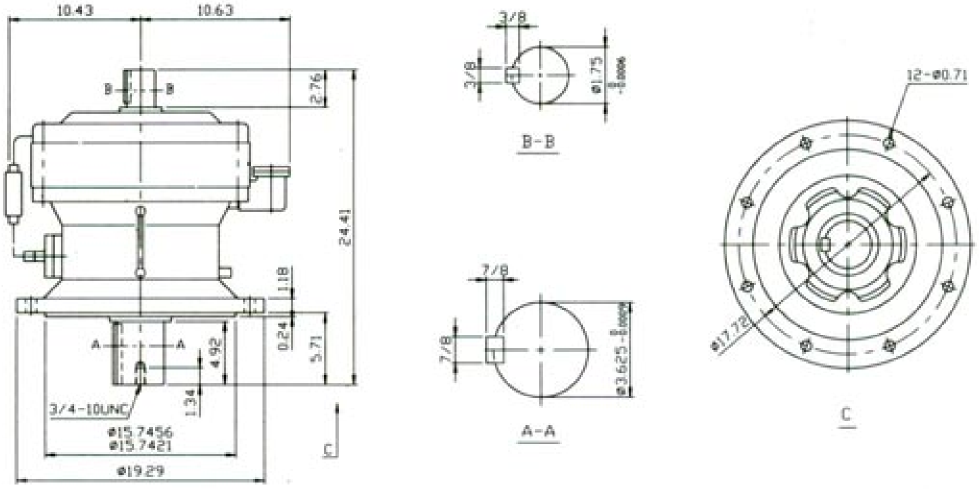
TDV-618
Weight 150kg,
330 lbs



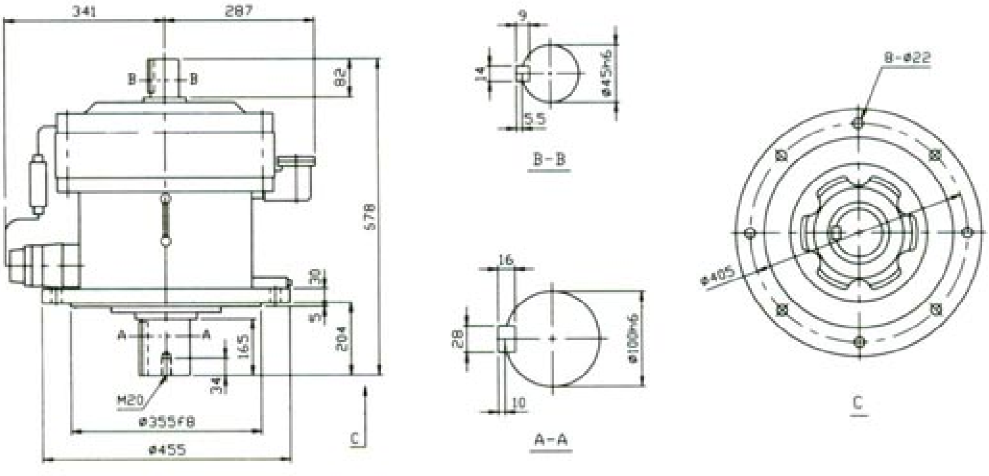


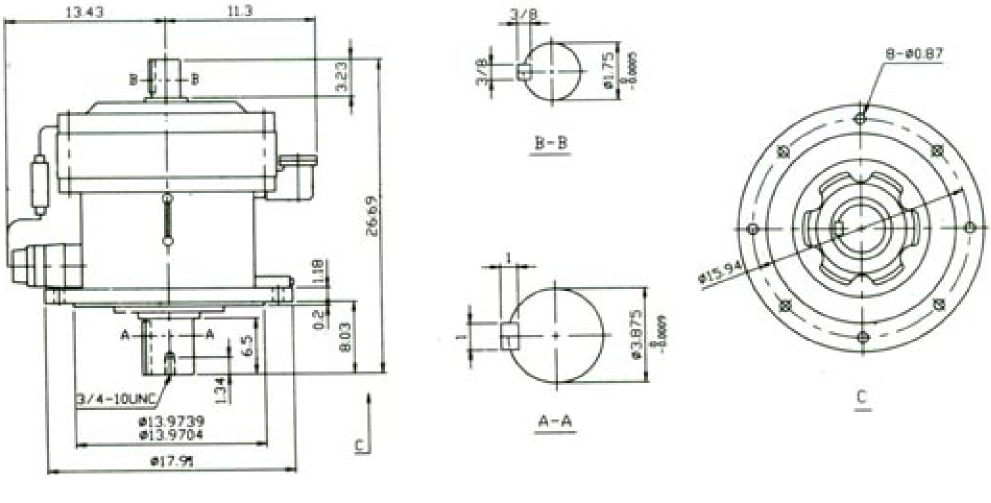
TDV-619
Weight 226kg,
497 lbs



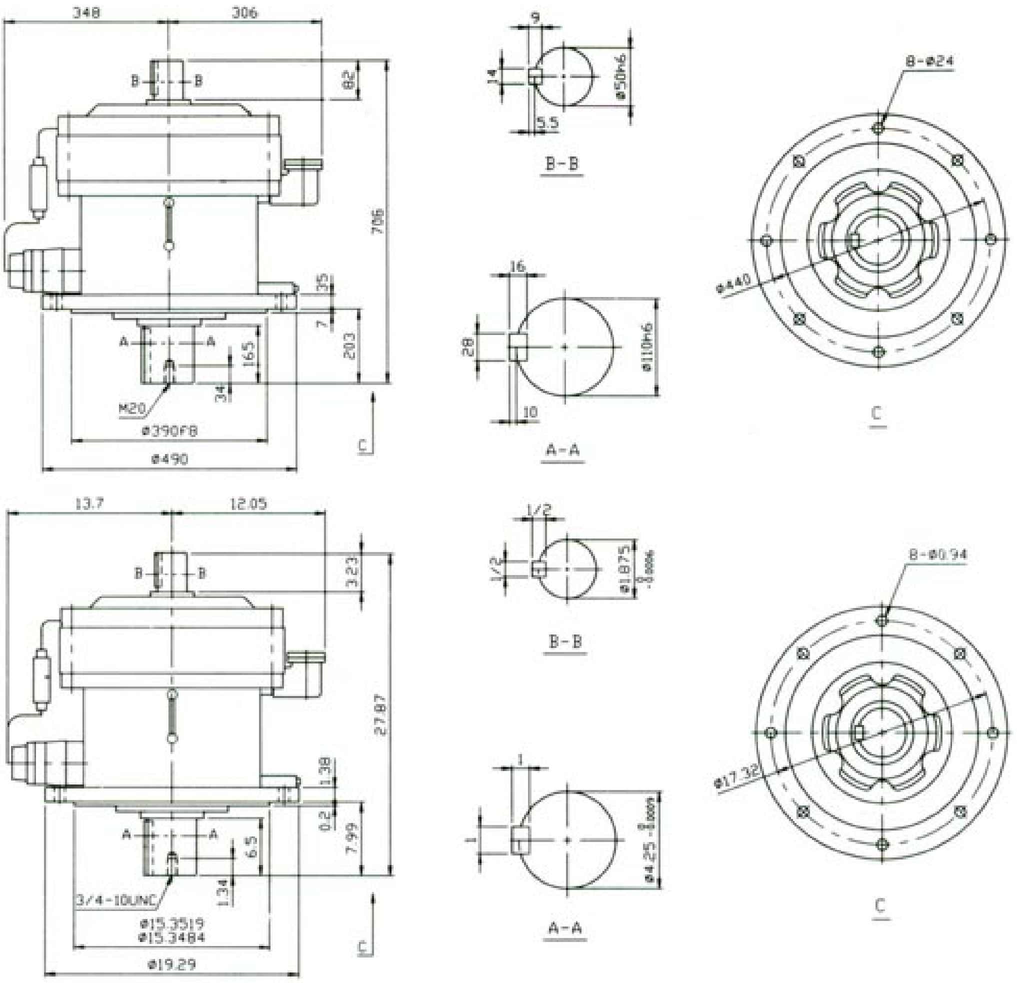


TDV-620
Weight 245kg,
539 lbs

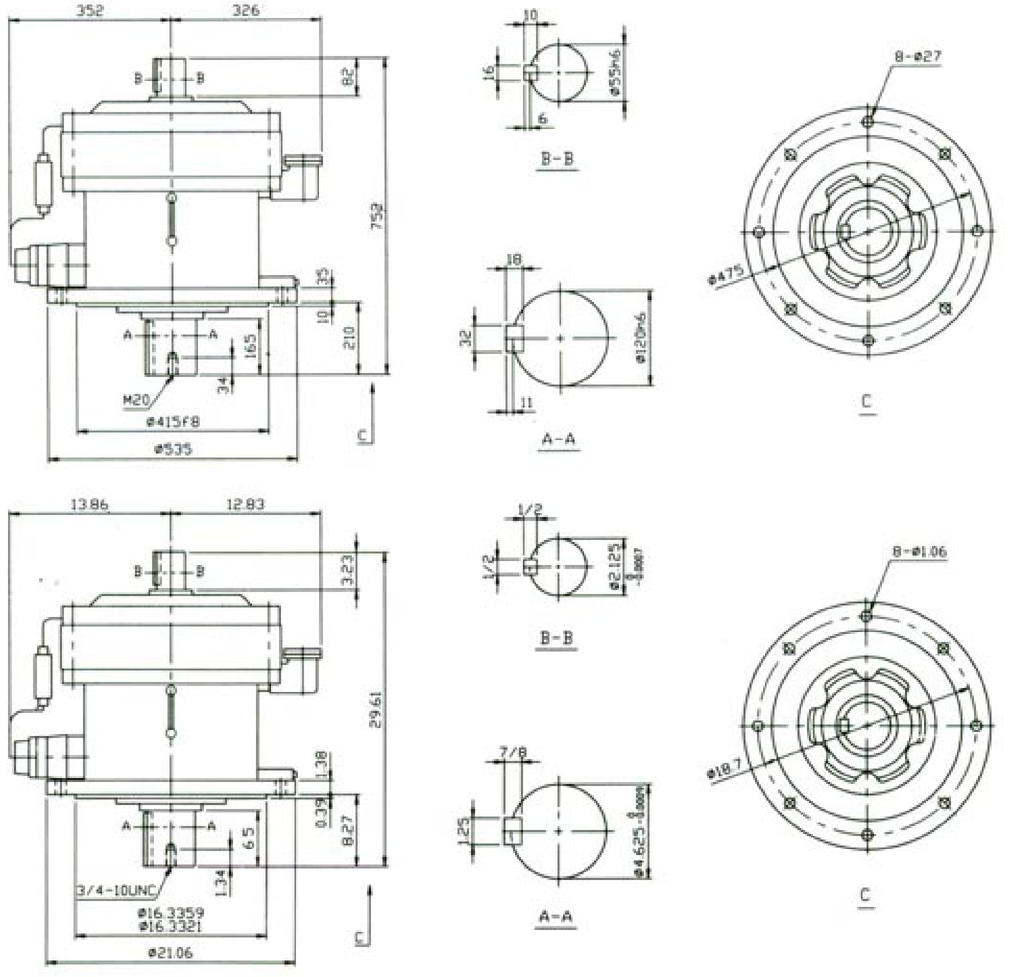




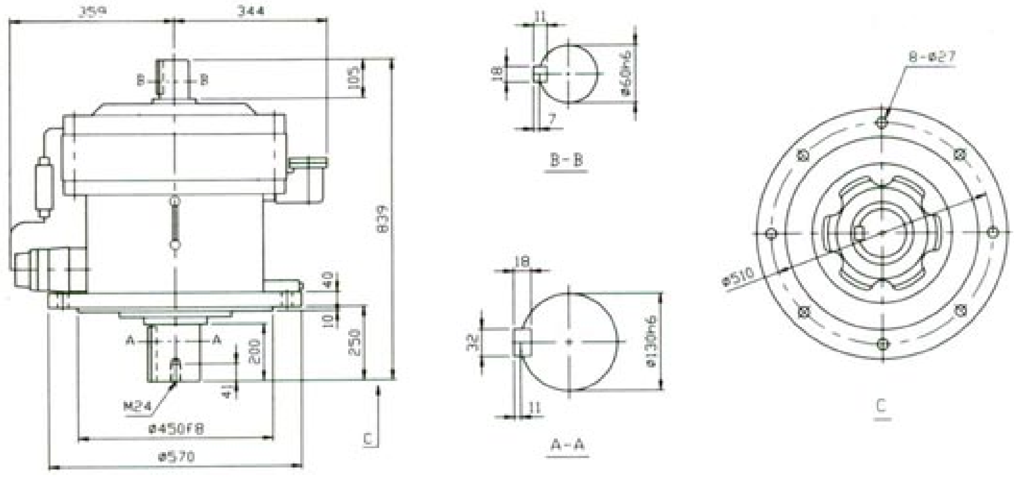
TDV-621
Weight 315kg,
693 lbs

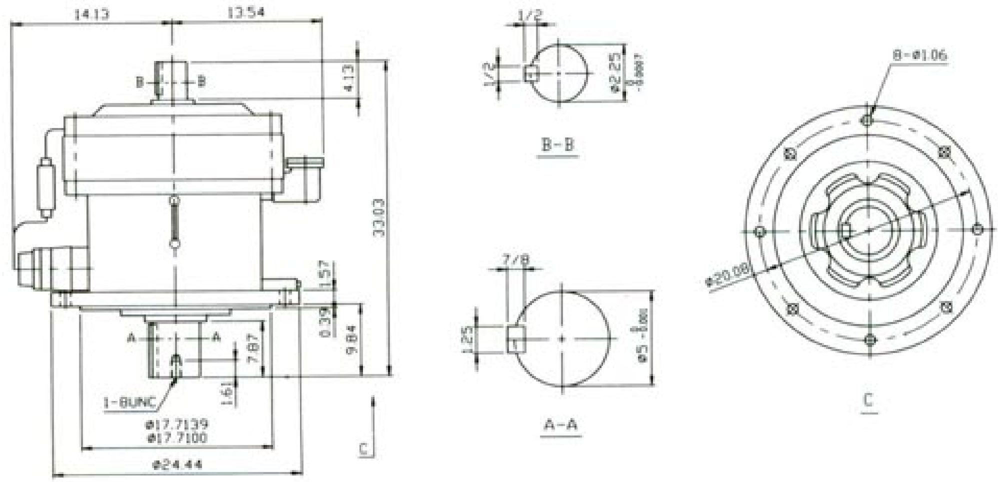


TDV-622
Weight 398kg,
876 lbs

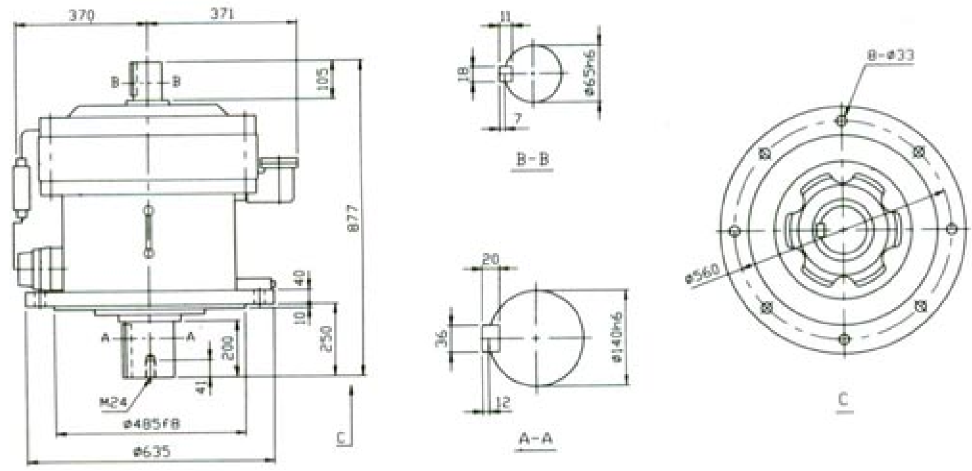


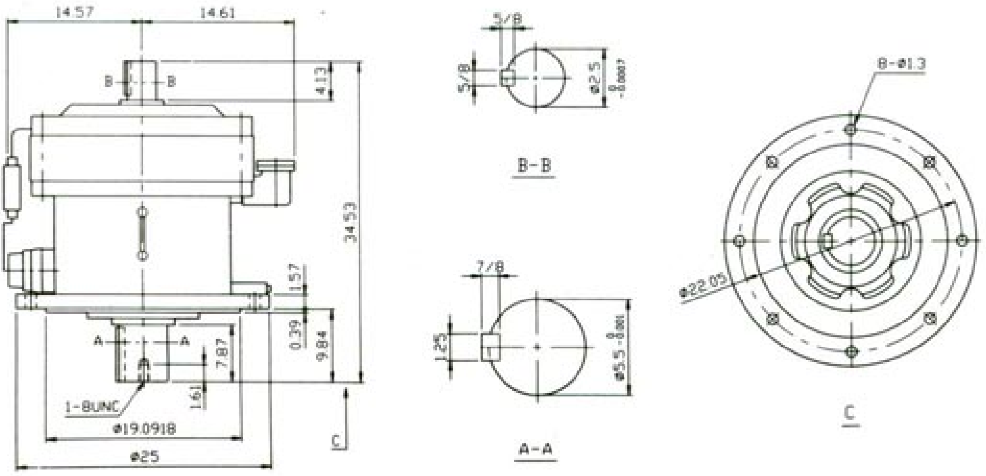
TDV-623
Weight 475kg,
1045 lbs



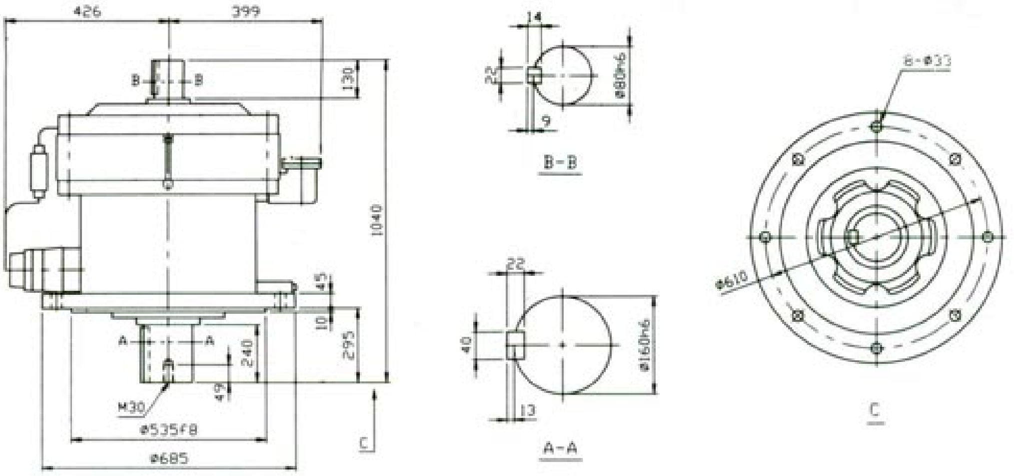


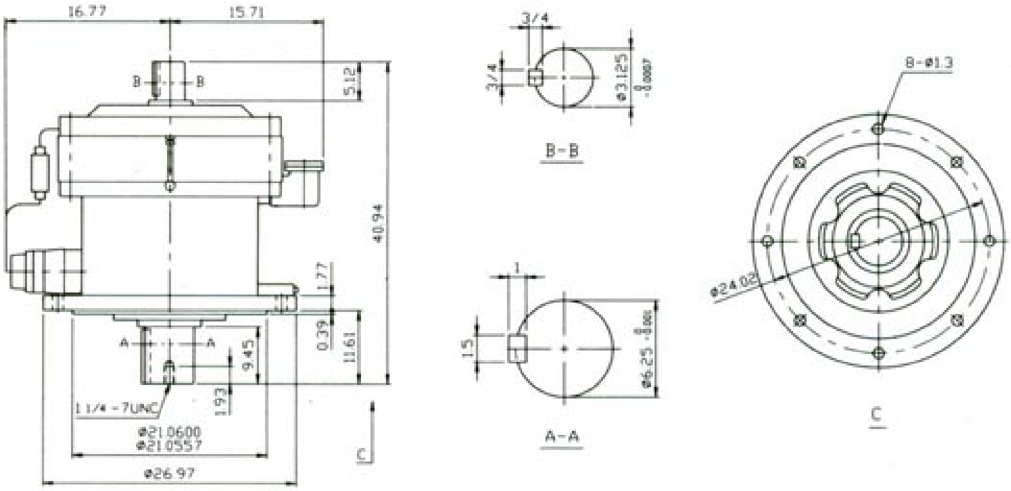
TDV-624
Weight 570kg,
1254 lbs



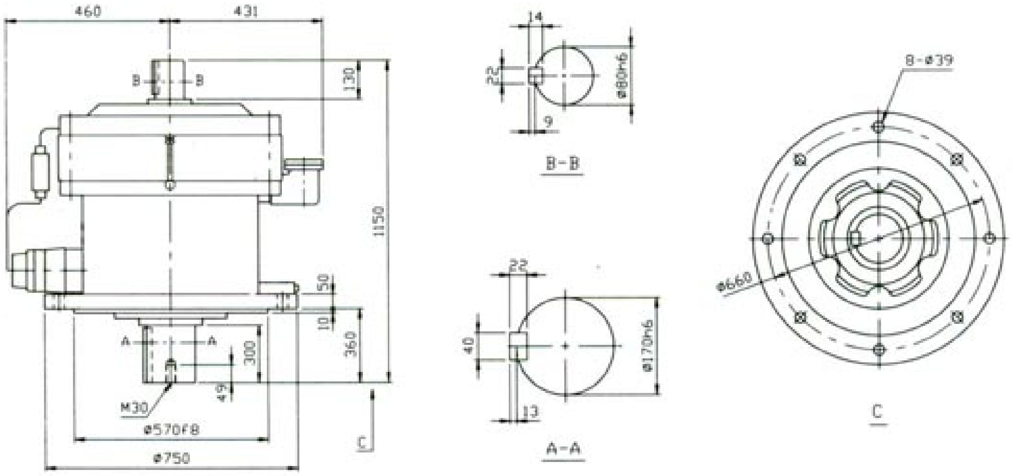


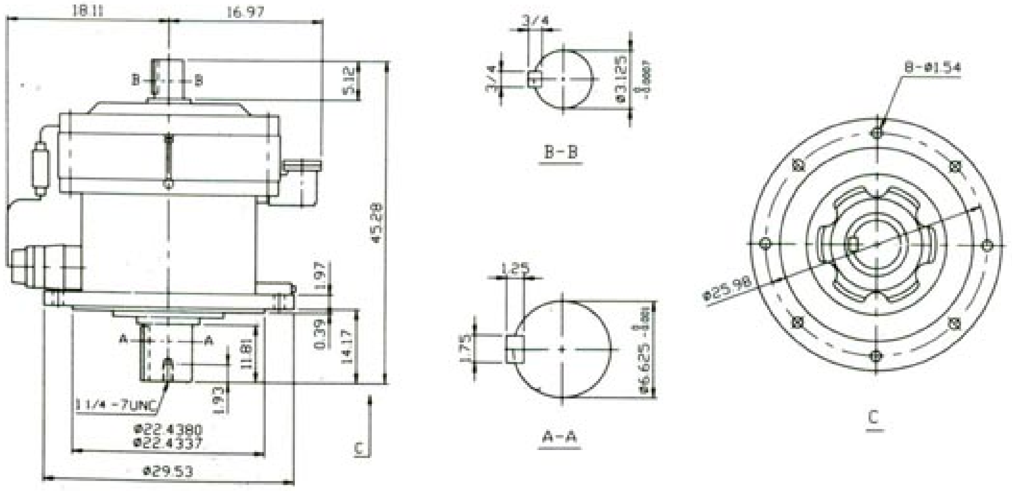
TDV-625
Weight 866kg,
1905 lbs



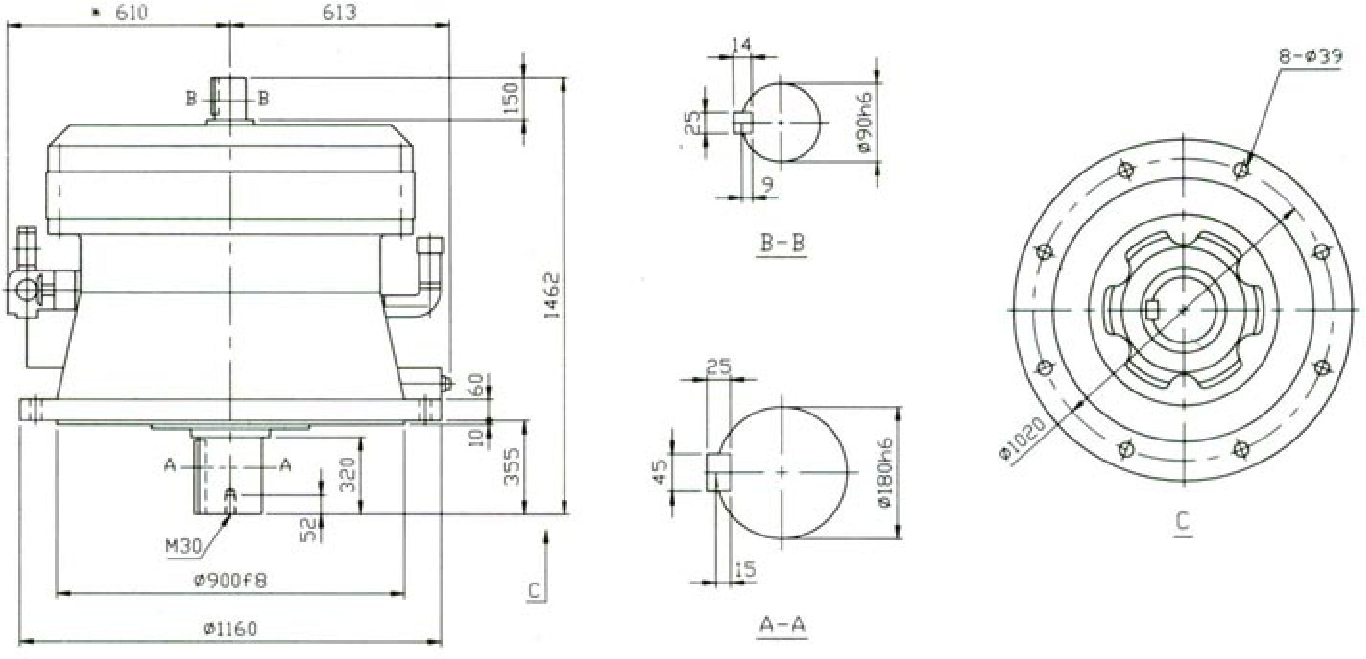


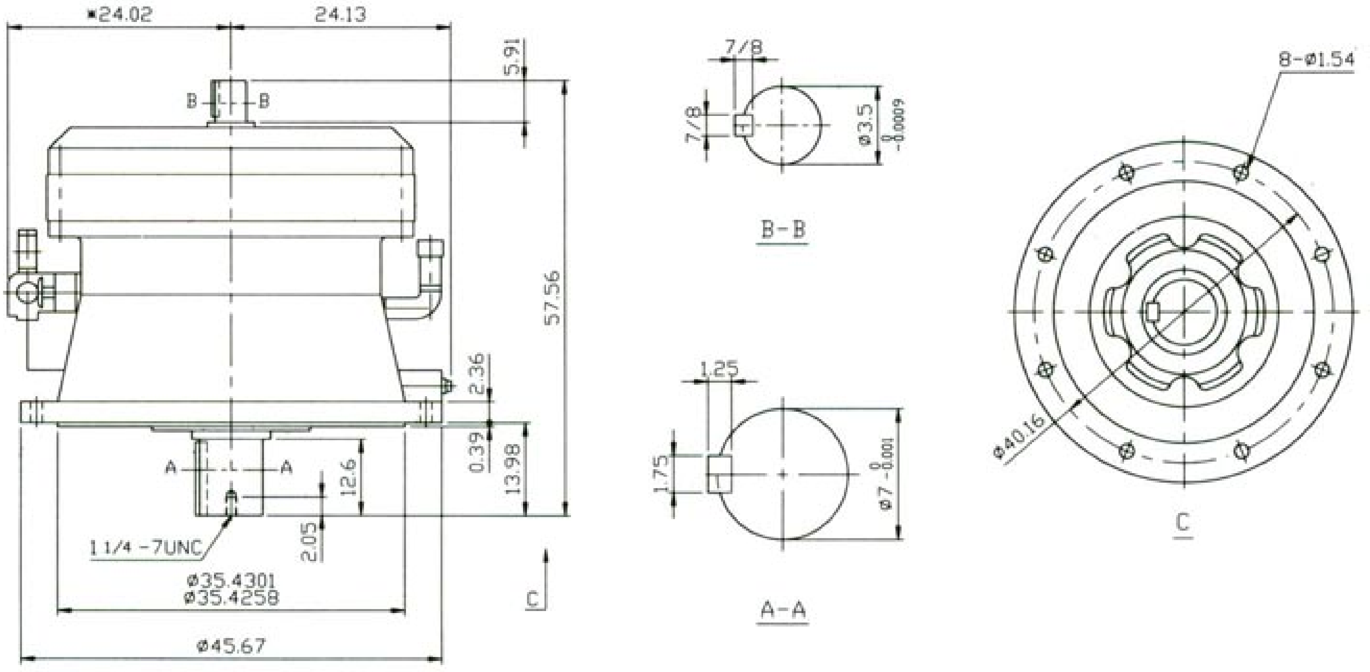
TDV-626
Weight 1125kg,
2475 lbs



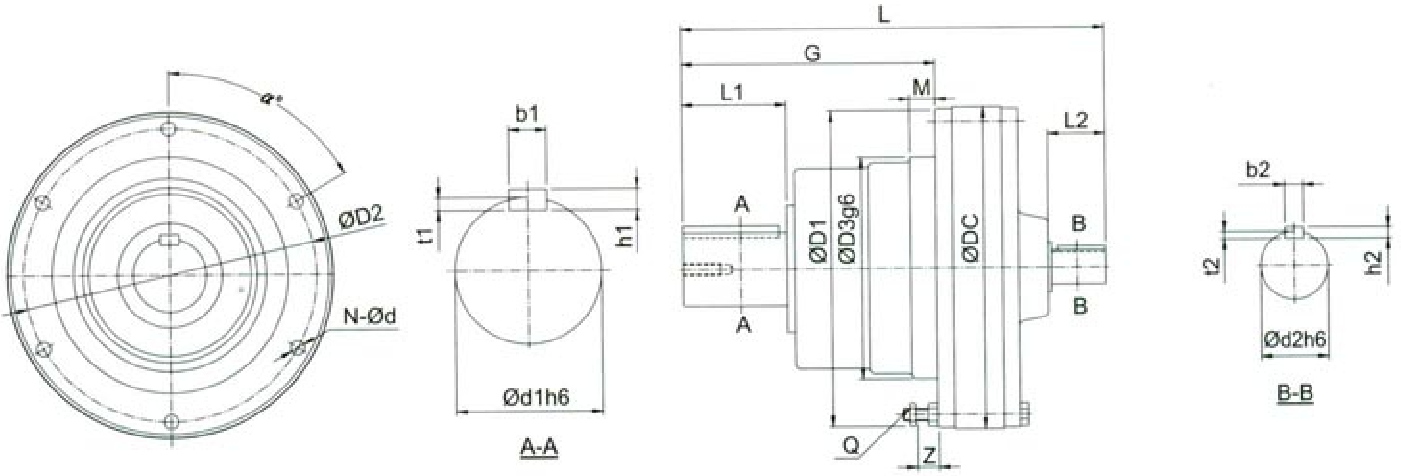


TDV-627 Weight 2611kg, 5744 lbs





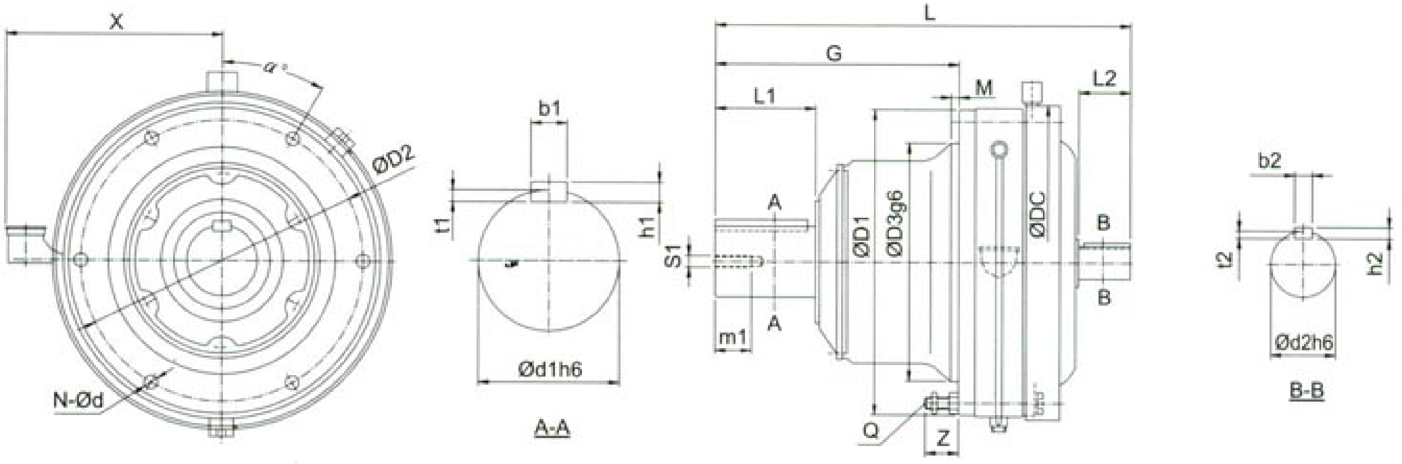
THF-607~THF-612



Installation Dimensions THF-607~THF-612																										
THF	Metric (mm,kg)													Inches (in,lbs)												
	L	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	W(kg)	L	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	W(lbs)
607	145	69	110	98	75	110	M6	21	4	6	6.6	60	3	5.71	2.72	4.33	3.86	2.95	4.33	1/4	0.83	0.16	6	0.26	60	6.6
608	151	74	110	98	80	110	M6	21	4	6	6.6	60	3	5.94	2.91	4.33	3.86	3.15	4.33	1/4	0.83	0.16	6	0.26	60	6.6
609	202	114	150	134	105	150	M8	29	6	8	9	22.5	8.5	7.95	4.49	5.91	5.28	4.13	5.91	1/3	1.14	0.24	8	0.35	22.5	18.7
610	208	114	150	134	105	150	M8	28	6	8	9	22.5	9.5	8.19	4.49	5.91	5.28	4.13	5.91	1/3	1.10	0.24	8	0.35	22.5	20.9
611	218	118	162	146	115	162	M8	26	6	8	9	22.5	11	8.58	4.65	6.38	5.75	4.53	6.38	1/3	1.02	0.24	8	0.35	22.5	24.2
612	259	139	200	180	140	204	M10	33	14	6	11	60	20	10.20	5.47	7.87	7.09	5.51	8.03	3/8	1.30	0.55	6	0.43	60	44

Frame Size	Output Shaft (mm)							Input Shaft (mm)					Output Shaft (in)							Input Shaft (in)				
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
THF-607-Ratio	14	25	5	5	3	-	-	12	25	4	4	2.5	0.55	0.98	0.20	0.20	0.12	-	-	0.47	0.98	0.16	0.16	0.10
THF-608-Ratio	18	30	6	6	3.5	-	-	12	25	4	4	2.5	0.71	1.18	0.24	0.24	0.14	-	-	0.47	0.98	0.16	0.16	0.10
THF-609-Ratio	28	35	8	7	4	-	-	15	25	5	5	3	1.10	1.38	0.31	0.28	0.16	-	-	0.59	0.98	0.20	0.20	0.12
THF-610-Ratio	28	35	8	7	4	-	-	15	25	5	5	3	1.10	1.38	0.31	0.28	0.16	-	-	0.59	0.98	0.20	0.20	0.12
THF-611-Ratio	32	45	10	8	5	-	-	15	25	5	5	3	1.26	1.77	0.39	0.31	0.20	-	-	0.59	0.98	0.20	0.20	0.12
THF-612-Ratio	38	55	10	8	5	-	-	18	35	6	6	3.5	1.50	2.17	0.39	0.31	0.20	-	-	0.71	1.38	0.24	0.24	0.14

THF-613~THF-626



Installation Dimensions THF-613~THF-626

Metric (mm,kg)

THF	L	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	X	W(kg)
613	321	178	226	205	165	230	M10	31	16	6	11	60	208	36
614	341	198	226	205	165	230	M10	31	16	6	11	60	208	37
615	341	198	226	205	165	230	M10	31	16	6	11	60	208	37
616	413	222	296	270	200	318	M12	35	10	6	14	30	228	66
617	477	262	330	300	250	362	M12	41	12	8	14	22.5	243	96
618	527	299	360	330	280	390	M12	38	12	8	14	22.5	258	131
619	620	365	420	380	320	451	M12	41	10	12	14	15	285	195
620	678	410	443	405	360	471	M16	56	20	12	18	15	-	213
621	708	423	480	440	390	507	M18	56	20	12	20.5	15	-	292
622	752	454	521	475	420	549	M20	64	20	12	22	15	-	347
623	839	505	557	510	455	591	M20	65	20	12	22	15	-	428
624	877	529	615	560	500	637	M24	65	25	12	27	15	-	538
625	1040	616	666	610	540	703	M24	91	30	12	27	15	-	794
626	1150	712	730	660	570	772	M30	85	40	12	34	15		1020

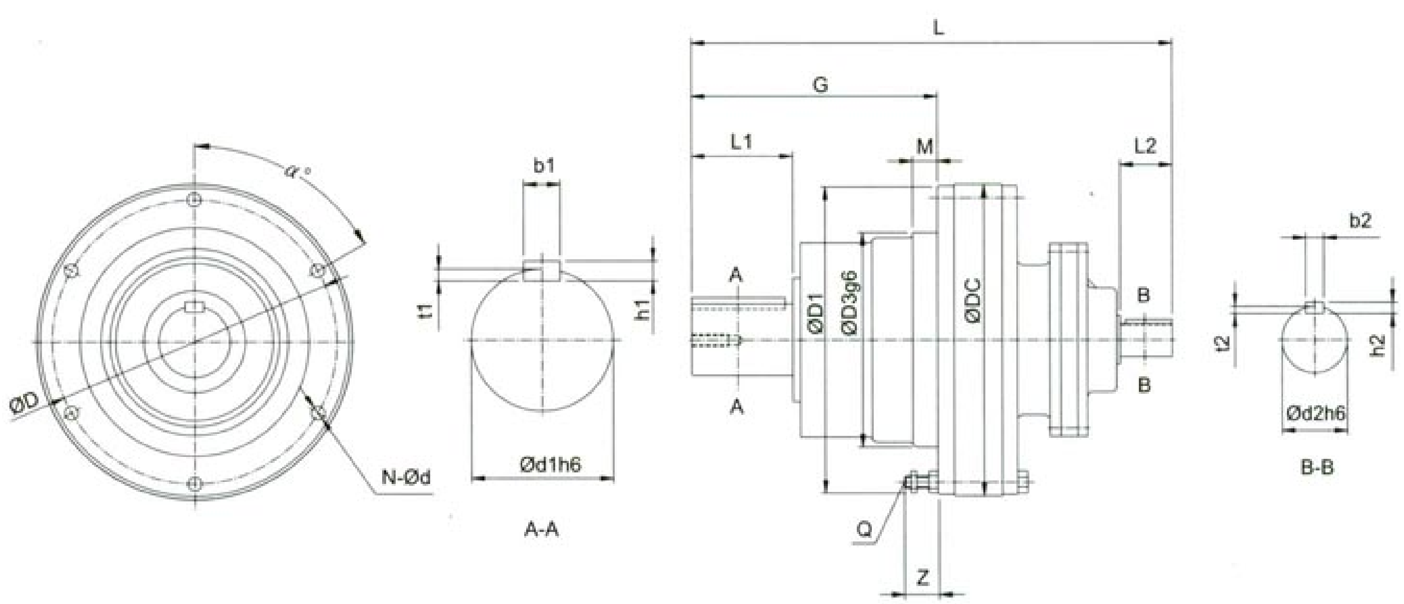
Inches (in,lbs)

THF	L	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	X	W(lbs)
613	12.64	7.01	8.90	8.07	6.50	9.06	3/8	1.22	0.63	6	0.43	60	8.19	79.2
614	13.43	7.80	8.90	8.07	6.50	9.06	3/8	1.22	0.63	6	0.43	60	8.19	81.4
615	13.43	7.80	8.90	8.07	6.50	9.06	3/8	1.22	0.63	6	0.43	60	8.19	81.4
616	16.26	8.74	11.65	10.63	7.87	12.52	1/2	1.38	0.39	6	0.55	30	8.98	145.2
617	18.78	10.31	12.99	11.81	9.84	14.25	1/2	1.61	0.47	8	0.55	22.5	9.57	211.2
618	20.75	11.77	14.17	12.99	11.02	15.35	1/2	1.50	0.47	8	0.55	22.5	10.16	288.2
619	24.41	14.37	16.54	14.96	12.60	17.76	1/2	1.61	0.39	12	0.55	15	11.22	429
620	26.69	16.14	17.44	15.94	14.17	18.54	5/8	2.20	0.79	12	0.71	15	-	468.6
621	27.87	16.65	18.90	17.32	15.35	19.96	5/7	2.20	0.79	12	0.81	15	-	642.4
622	29.61	17.87	20.51	18.70	16.54	21.61	3/4	2.52	0.79	12	0.87	15	-	763.4
623	33.03	19.88	21.93	20.08	17.91	23.27	3/4	2.56	0.79	12	0.87	15	-	941.6
624	34.53	20.83	24.21	22.05	19.69	25.08	1	2.56	0.98	12	1.06	15	-	1183.6
625	40.94	24.25	26.22	24.02	21.26	27.68	1	3.58	1.18	12	1.06	15	-	1746.8
626	45.28	28.03	28.74	25.98	22.44	30.39	$1^{1/4}$	3.35	1.57	12	1.34	15	-	2244

Frame Size	Output Shaft (mm)							Input Shaft (mm)				
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
THF-613-Ratio	50	70	14	9	5.5	M10	18	22	40	6	6	3.5
THF-614-Ratio	50	90	14	9	5.5	M10	18	22	40	8	6	3.5
THF-615-Ratio	50	90	14	9	5.5	M10	18	22	40	8	6	3.5
THF-616-Ratio	60	90	18	11	7	M10	18	30	45	8	7	4
THF-617-Ratio	70	90	20	12	7.5	M12	24	35	55	10	8	5
THF-618-Ratio	80	110	22	14	9	M12	24	40	65	12	8	5
THF-619-Ratio	95	135	25	14	9	M20	34	45	70	14	9	5.5
THF-620-Ratio	100	165	28	16	10	M20	34	45	82	14	9	5.5
THF-621-Ratio	110	165	28	16	10	M20	34	50	82	14	9	5.5
THF-622-Ratio	120	165	32	18	11	M20	34	55	82	16	10	6
THF-623-Ratio	130	200	32	18	11	M24	41	60	105	18	11	7
THF-624-Ratio	140	200	36	20	12	M24	41	65	105	18	11	7
THF-625-Ratio	160	240	40	22	13	M30	49	80	130	22	14	9
THF-626-Ratio	170	300	40	22	13	M30	49	80	130	22	14	9

Frame Size	Output Shaft (in)							Input Shaft (in)				
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
THF-613-Ratio	1.97	2.76	0.55	0.35	0.22	3/8	0.71	0.87	1.57	0.24	0.24	0.14
THF-614-Ratio	1.97	3.54	0.55	0.35	0.22	3/8	0.71	0.87	1.57	0.31	0.24	0.14
THF-615-Ratio	1.97	3.54	0.55	0.35	0.22	3/8	0.71	0.87	1.57	0.31	0.24	0.14
THF-616-Ratio	2.36	3.54	0.71	0.43	0.28	3/8	0.71	1.18	1.77	0.31	0.28	0.16
THF-617-Ratio	2.76	3.54	0.79	0.47	0.30	1/2	0.94	1.38	2.17	0.39	0.31	0.20
THF-618-Ratio	3.15	4.33	0.87	0.55	0.35	1/2	0.94	1.57	2.56	0.47	0.31	0.20
THF-619-Ratio	3.74	5.31	0.98	0.55	0.35	3/4	1.34	1.77	2.76	0.55	0.35	0.22
THF-620-Ratio	3.94	6.50	1.10	0.63	0.39	3/4	1.34	1.77	3.23	0.55	0.35	0.22
THF-621-Ratio	4.33	6.50	1.10	0.63	0.39	3/4	1.34	1.97	3.23	0.55	0.35	0.22
THF-622-Ratio	4.72	6.50	1.26	0.71	0.43	3/4	1.34	2.17	3.23	0.63	0.39	0.24
THF-623-Ratio	5.12	7.87	1.26	0.71	0.43	1	1.61	2.36	4.13	0.71	0.43	0.28
THF-624-Ratio	5.51	7.87	1.42	0.79	0.47	1	1.61	2.56	4.13	0.71	0.43	0.28
THF-625-Ratio	6.30	9.45	1.57	0.87	0.51	$1^{1/4}$	1.93	3.15	5.12	0.87	0.55	0.35
THF-626-Ratio	6.69	11.81	1.57	0.87	0.51	$1^{1/4}$	1.93	3.15	5.12	0.87	0.55	0.35

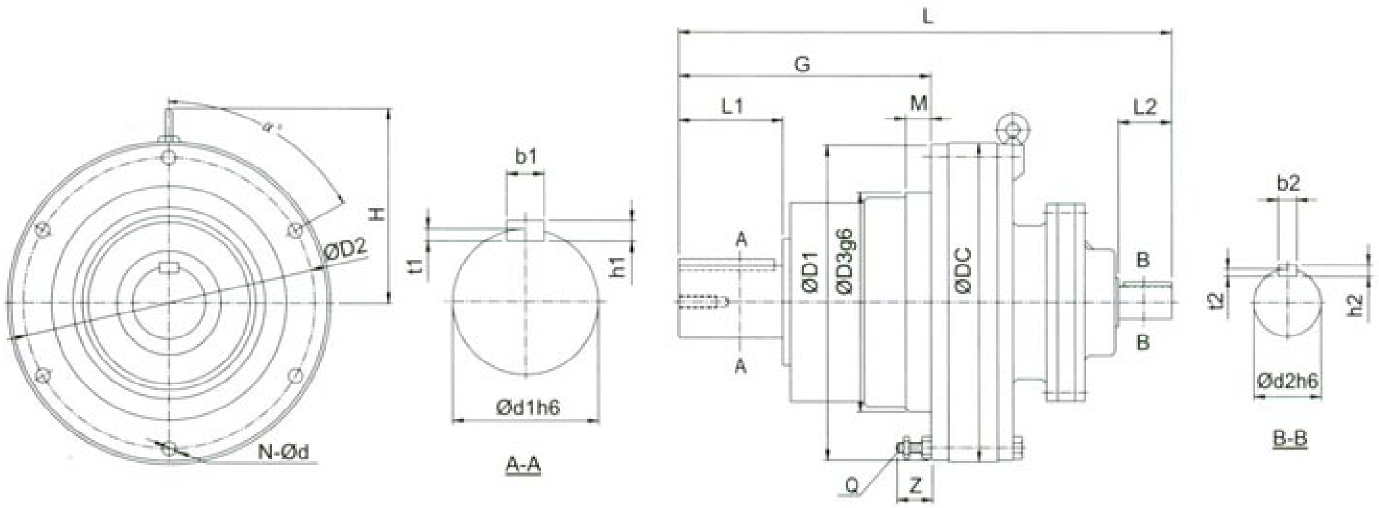
THF-607/07~THF-611/09



THF	Installation Dimensions THF-607/07~THF-611/09																									
	Metric (mm,kg)													Inches (in,lbs)												
	L	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	W(kg)	L	G	D1	D2	D3	DC	Q	Z	M	N	d	α°	W(lbs)
607/07	178	69	110	98	75	110	M6	22	4	6	6. 6	60	4. 5	7.01	2.72	4.33	3.86	2.95	4.33	1/4	0.87	0.16	6	0.26	60	9.9
608/07	184	74	110	98	80	110	M6	21	4	6	6. 6	60	4. 5	7.24	2.91	4.33	3.86	3.15	4.33	1/4	0.83	0.16	6	0.26	60	9.9
609/08	243	114	150	134	105	150	M8	29	6	8	9	22.5	10	9.57	4.49	5.91	5.28	4.13	5.91	1/3	1.14	0.24	8	0.35	22.5	22
610/08	257	114	150	134	105	150	M8	28	6	8	9	22.5	12	10.12	4.49	5.91	5.28	4.13	5.91	1/3	1.10	0.24	8	0.35	22.5	26.4
611/08	293	139	200	180	140	204	M10	33	14	6	11	60	22	11.54	5.47	7.87	7.09	5.51	8.03	3/8	1.30	0.55	6	0.43	60	48.4
611/09	312	139	200	180	140	204	M10	33	14	6	11	60	25	12.28	5.47	7.87	7.09	5.51	8.03	3/8	1.30	0.55	6	0.43	60	55

Frame Size	Output Shaft (mm)							Input Shaft (mm)					Output Shaft (in)							Input Shaft (in)				
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
THF-607/07-Ratio	14	25	5	5	3	—	—	12	25	4	4	2. 5	0.55	0.98	0.20	0.20	0.12	—	—	0.47	0.98	0.16	0.16	0.10
THF-608/07-Ratio	18	30	6	6	3. 5	—	—	12	25	4	4	2. 5	0.71	1.18	0.24	0.24	0.14	—	—	0.47	0.98	0.16	0.16	0.10
THF-609/08-Ratio	28	35	8	7	4	—	—	12	25	4	4	2. 5	1.10	1.38	0.31	0.28	0.16	—	—	0.47	0.98	0.16	0.16	0.10
THF-610/08-Ratio	28	35	8	7	4	—	—	12	25	4	4	2. 5	1.10	1.38	0.31	0.28	0.16	—	—	0.47	0.98	0.16	0.16	0.10
THF-611/08-Ratio	38	55	10	8	5	—	—	12	25	4	4	2. 5	1.50	2.17	0.39	0.31	0.20	—	—	0.47	0.98	0.16	0.16	0.10
THF-611/09-Ratio	38	55	10	8	5	—	—	15	25	5	5	3	1.50	2.17	0.39	0.31	0.20	—	—	0.59	0.98	0.20	0.20	0.12

THF-613/08~THF-618/10

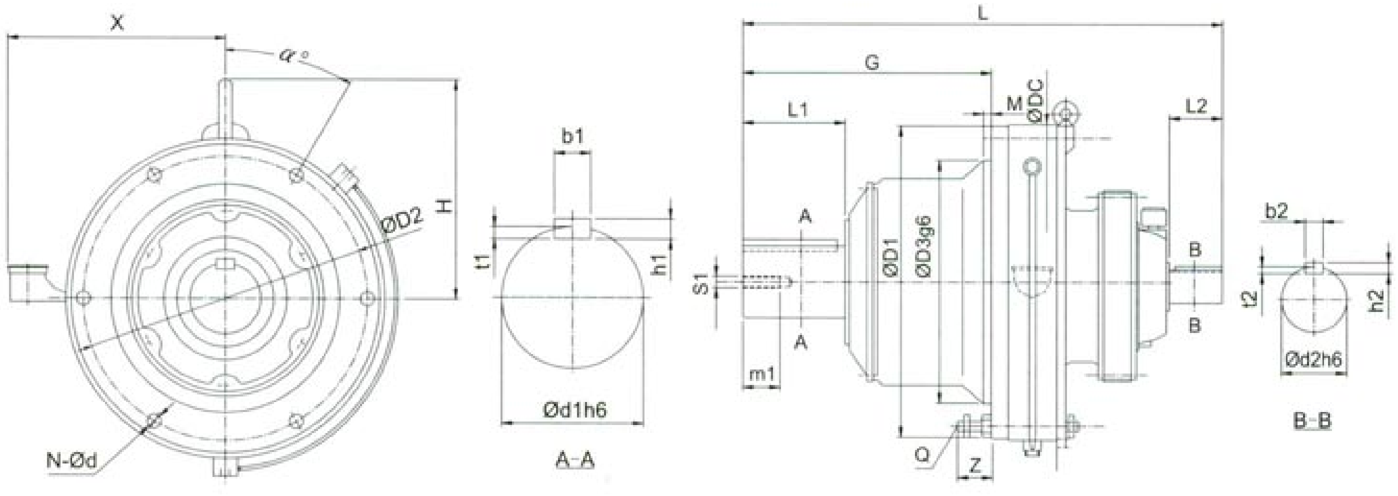


THF	Metric (mm,kg)														Inches (in,lbs)													
	L	G	D1	D2	D3	DC	H	Q	Z	M	N	d	α°	W(kg)	L	G	D1	D2	D3	DC	H	Q	Z	M	N	d	α°	W(lbs)
613/08	347	178	226	205	165	230	150	M10	31	16	6	11	60	36	13.66	7.01	8.90	8.07	6.50	9.06	5.91	3/8	1.22	0.63	6	0.43	60	79.2
613/09	363	178	226	205	165	230	150	M10	31	16	6	11	60	39	14.29	7.01	8.90	8.07	6.50	9.06	5.91	3/8	1.22	0.63	6	0.43	60	85.8
613/10	369	178	226	205	165	230	150	M10	31	16	6	11	60	40	14.53	7.01	8.90	8.07	6.50	9.06	5.91	3/8	1.22	0.63	6	0.43	60	88
614/08	367	198	226	205	165	230	150	M10	31	16	6	11	60	36	14.45	7.80	8.90	8.07	6.50	9.06	5.91	3/8	1.22	0.63	6	0.43	60	79.2
614/09	383	198	226	205	165	230	150	M10	31	16	6	11	60	39	15.08	7.80	8.90	8.07	6.50	9.06	5.91	3/8	1.22	0.63	6	0.43	60	85.8
614/10	389	198	226	205	165	230	150	M10	31	16	6	11	60	40	15.31	7.80	8.90	8.07	6.50	9.06	5.91	3/8	1.22	0.63	6	0.43	60	88
616/09	433	222	296	270	200	300	189	M12	35	10	6	14	30	68	17.05	8.74	11.65	10.63	7.87	11.81	7.44	1/2	1.38	0.39	6	0.55	30	149.6
616/10	439	222	296	270	200	300	189	M12	35	10	6	14	30	70	17.28	8.74	11.65	10.63	7.87	11.81	7.44	1/2	1.38	0.39	6	0.55	30	154
617/09	478	262	330	300	250	340	216	M12	41	12	8	14	22.5	93	18.82	10.31	12.99	11.81	9.84	13.39	8.50	1/2	1.61	0.47	8	0.55	22.5	204.6
617/10	484	262	330	300	250	340	216	M12	41	12	8	14	22.5	95	19.06	10.31	12.99	11.81	9.84	13.39	8.50	1/2	1.61	0.47	8	0.55	22.5	209
618/10	526	299	360	300	280	370	231	M12	38	12	8	14	22.5	129	20.71	11.77	14.17	11.81	11.02	14.57	9.09	1/2	1.50	0.47	8	0.55	22.5	283.8

Installation Dimensions THF-613/08~THF-618/10

Frame Size	Output Shaft (mm)							Input Shaft (mm)					Output Shaft (in)					Input Shaft (in)						
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
THF-613/08-Ratio	50	70	14	9	5.5	M10	18	12	25	4	4	2.5	1.97	2.76	0.55	0.35	0.22	3/8	0.71	0.47	0.98	0.16	0.16	0.10
THF-613/09-Ratio	50	70	14	9	5.5	M10	18	15	25	5	5	3	1.97	2.76	0.55	0.35	0.22	3/8	0.71	0.59	0.98	0.20	0.20	0.12
THF-613/10-Ratio	50	70	14	9	5.5	M10	18	15	25	5	5	3	1.97	2.76	0.55	0.35	0.22	3/8	0.71	0.59	0.98	0.20	0.20	0.12
THF-614/08-Ratio	50	90	14	9	5.5	M10	18	12	25	4	4	2.5	1.97	3.54	0.55	0.35	0.22	3/8	0.71	0.47	0.98	0.16	0.16	0.10
THF-614/09-Ratio	50	90	14	9	5.5	M10	18	15	25	5	5	3	1.97	3.54	0.55	0.35	0.22	3/8	0.71	0.59	0.98	0.20	0.20	0.12
THF-614/10-Ratio	60	90	14	9	5.5	M10	18	15	25	5	5	3	2.36	3.54	0.55	0.35	0.22	3/8	0.71	0.59	0.98	0.20	0.20	0.12
THF-616/09-Ratio	60	90	18	11	7	M10	18	15	25	5	5	3	2.36	3.54	0.71	0.43	0.28	3/8	0.71	0.59	0.98	0.20	0.20	0.12
THF-616/10-Ratio	60	90	18	11	7	M10	18	15	25	5	5	3	2.36	3.54	0.71	0.43	0.28	3/8	0.71	0.59	0.98	0.20	0.20	0.12
THF-617/09-Ratio	70	90	20	12	7.5	M12	24	15	25	5	5	3	2.76	3.54	0.79	0.47	0.30	1/2	0.94	0.59	0.98	0.20	0.20	0.12
THF-617/10-Ratio	70	90	20	12	7.5	M12	24	15	25	5	5	3	2.76	3.54	0.79	0.47	0.30	1/2	0.94	0.59	0.98	0.20	0.20	0.12
THF-618/10-Ratio	80	110	22	14	9	M12	24	15	25	5	5	3	3.15	4.33	0.87	0.55	0.35	1/2	0.94	0.59	0.98	0.20	0.20	0.12

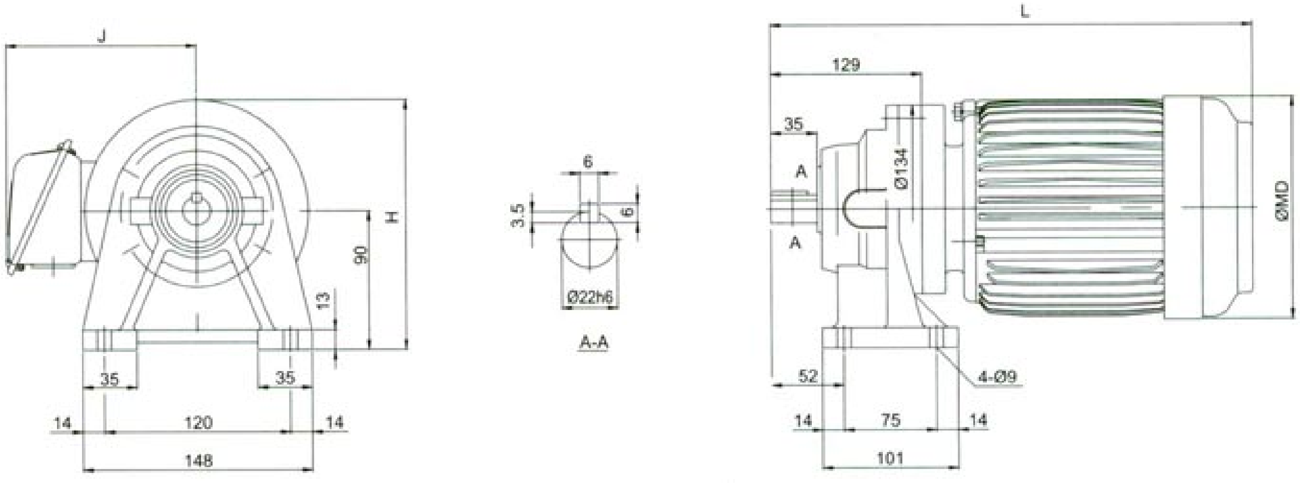
THF-616/11~THF-626/19



Installation Dimensions THF-616/11~THF-626/19																													
THF	Metric (mm,kg)														Inches (in,lbs)														
	L	G	D1	D2	D3	DC	H	Q	Z	M	N	d	α°	X	W(kg)	L	G	D1	D2	D3	DC	H	Q	Z	M	N	d	α°	X	W(lbs)
616/11	462	222	296	270	200	300	189	M12	35	10	6	14	30	228	82	18.19	8.74	11.65	10.63	7.87	11.81	7.44	1/2	1.38	0.39	6	0.55	30	8.98	180.4
617/11	509	262	330	300	250	340	216	M12	41	12	8	14	22.5	243	105	20.04	10.31	12.99	11.81	9.84	13.39	8.50	1/2	1.61	0.47	8	0.55	22.5	9.57	231
618/13	577	299	360	330	280	370	231	M12	38	12	8	14	22.5	258	146	22.72	11.77	14.17	12.99	11.02	14.57	9.09	1/2	1.50	0.47	8	0.55	22.5	10.16	321.2
619/11	629	365	420	380	320	430	281	M12	41	10	12	14	15	285	201	24.76	14.37	16.54	14.96	12.60	16.93	11.06	1/2	1.61	0.39	12	0.55	15	11.22	442.2
619/13	653	365	420	380	320	430	281	M12	41	10	12	14	15	285	205	25.71	14.37	16.54	14.96	12.60	16.93	11.06	1/2	1.61	0.39	12	0.55	15	11.22	451
620/11	670	410	443	405	360	448	283	M16	56	20	12	18	15	–	217	26.38	16.14	17.44	15.94	14.17	17.64	11.14	5/8	2.20	0.79	12	0.71	15	—	477.4
620/13	705	410	443	405	360	448	283	M16	56	20	12	18	15	–	227	27.76	16.14	17.44	15.94	14.17	17.64	11.14	5/8	2.20	0.79	12	0.71	15	—	499.4
621/13	731	423	480	440	390	485	312	M18	56	20	12	20.5	15	–	306	28.78	16.65	18.90	17.32	15.35	19.09	12.28	5/7	2.20	0.79	12	0.81	15	—	673.2
621/16	780	423	480	440	390	485	312	M18	56	20	12	20.5	15	–	328	30.71	16.65	18.90	17.32	15.35	19.09	12.28	5/7	2.20	0.79	12	0.81	15	—	721.6
622/13	773	454	521	475	420	526	333	M20	64	20	12	22	15	–	357	30.43	17.87	20.51	18.70	16.54	20.71	13.11	3/4	2.52	0.79	12	0.87	15	—	785.4
622/17	860	454	521	475	420	526	333	M20	64	20	12	22	15	–	404	33.86	17.87	20.51	18.70	16.54	20.71	13.11	3/4	2.52	0.79	12	0.87	15	—	888.8
623/16	883	505	557	510	455	562	351	M20	65	20	12	22	15	–	468	34.76	19.88	21.93	20.08	17.91	22.13	13.82	3/4	2.56	0.79	12	0.87	15	—	1029.6
623/18	938	505	557	510	455	562	351	M20	65	20	12	22	15	–	500	36.93	19.88	21.93	20.08	17.91	22.13	13.82	3/4	2.56	0.79	12	0.87	15	—	1100
624/16	921	529	615	560	500	614	395	M24	65	25	12	27	15	–	574	36.26	20.83	24.21	22.05	19.69	24.17	15.55	1	2.56	0.98	12	1.06	15	—	1262.8
624/18	975	529	615	560	500	614	395	M24	65	25	12	27	15	–	603	38.39	20.83	24.21	22.05	19.69	24.17	15.55	1	2.56	0.98	12	1.06	15	—	1326.6
625/17	1081	616	666	610	540	670	386	M24	91	30	12	27	15	–	847	42.56	24.25	26.22	24.02	21.26	26.38	15.20	1	3.58	1.18	12	1.06	15	—	1863.4
625/19	1133	616	666	610	540	670	386	M24	91	30	12	27	15	–	926	44.61	24.25	26.22	24.02	21.26	26.38	15.20	1	3.58	1.18	12	1.06	15	—	2037.2
626/19	1243	712	730	660	570	736	453	M30	85	40	12	34	15	–	1170	48.94	28.03	28.74	25.98	22.44	28.98	17.83	1 1/4	3.35	1.57	12	1.34	15	—	2574

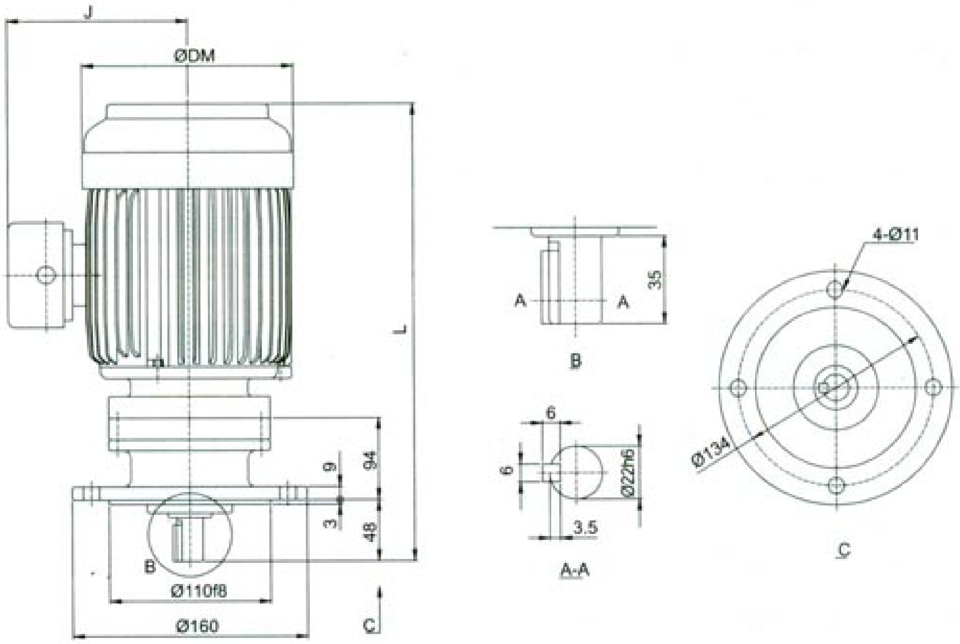
Frame Size	Output Shaft (mm)							Input Shaft(mm)				Output Shaft (in)					Input Shaft (in)						
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
THF-616/11-Ratio	60	90	18	11	7	M10	18	18	35	6	6	3.5	2.36	3.54	0.71	0.43	0.28	3/8	0.71	0.71	1.38	0.24	0.24	0.14
THF-617/11-Ratio	70	90	20	12	7.5	M12	24	18	35	6	6	3.5	2.76	3.54	0.79	0.47	0.30	1/2	0.94	0.71	1.38	0.24	0.24	0.14
THF-618/13-Ratio	80	110	22	14	9	M12	24	22	40	6	6	3.5	3.15	4.33	0.87	0.55	0.35	1/2	0.94	0.87	1.57	0.24	0.24	0.14
THF-619/11-Ratio	95	135	25	14	9	M20	34	18	35	6	6	3.5	3.74	5.31	0.98	0.55	0.35	3/4	1.34	0.71	1.38	0.24	0.24	0.14
THF-619/13-Ratio	95	135	25	14	9	M20	34	22	40	6	6	3.5	3.74	5.31	0.98	0.55	0.35	3/4	1.34	0.87	1.57	0.24	0.24	0.14
THF-620/11-Ratio	100	165	28	16	10	M20	34	18	35	6	6	3.5	3.94	6.50	1.10	0.63	0.39	3/4	1.34	0.71	1.38	0.24	0.24	0.14
THF-620/13-Ratio	100	165	28	16	10	M20	34	22	40	6	6	3.5	3.94	6.50	1.10	0.63	0.39	3/4	1.34	0.87	1.57	0.24	0.24	0.14
THF-621/13-Ratio	110	165	28	16	10	M20	34	22	40	6	6	3.5	4.33	6.50	1.10	0.63	0.39	3/4	1.34	0.87	1.57	0.24	0.24	0.14
THF-621/16-Ratio	110	165	28	16	10	M20	34	30	45	8	7	4.0	4.33	6.50	1.10	0.63	0.39	3/4	1.34	1.18	1.77	0.31	0.28	0.16
THF-622/13-Ratio	120	165	32	18	11	M20	34	22	40	6	6	3.5	4.72	6.50	1.26	0.71	0.43	3/4	1.34	0.87	1.57	0.24	0.24	0.14
THF-622/17-Ratio	120	165	32	18	11	M20	34	35	55	10	8	5.0	4.72	6.50	1.26	0.71	0.43	1	1.34	1.38	2.17	0.39	0.31	0.20
THF-623/16-Ratio	130	200	32	18	11	M24	41	30	45	8	7	4.0	5.12	7.87	1.26	0.71	0.43	1	1.61	1.18	1.77	0.31	0.28	0.16
THF-623/18-Ratio	130	200	32	18	11	M24	41	40	65	12	8	5.0	5.12	7.87	1.26	0.71	0.43	1	1.61	1.57	2.56	0.47	0.31	0.20
THF-624/16-Ratio	140	200	36	20	12	M24	41	30	45	8	7	4.0	5.51	7.87	1.42	0.79	0.47	1	1.61	1.18	1.77	0.31	0.28	0.16
THF-624/18-Ratio	140	200	36	20	12	M24	41	40	65	12	8	5.0	5.51	7.87	1.42	0.79	0.47	1	1.61	1.57	2.56	0.47	0.31	0.20
THF-625/17-Ratio	160	240	40	22	13	M30	49	35	55	10	8	5.0	6.30	9.45	1.57	0.87	0.51	1 1/4	1.93	1.38	2.17	0.39	0.31	0.20
THF-625/19-Ratio	160	240	40	22	13	M30	49	45	70	14	9	5.5	6.30	9.45	1.57	0.87	0.51	1 1/4	1.93	1.77	2.76	0.55	0.35	0.22
THF-626/19-Ratio	170	300	40	22	13	M30	49	45	70	14	9	5.5	6.69	11.81	1.57	0.87	0.51	1 1/4	1.93	1.77	2.76	0.55	0.35	0.22

THM-808



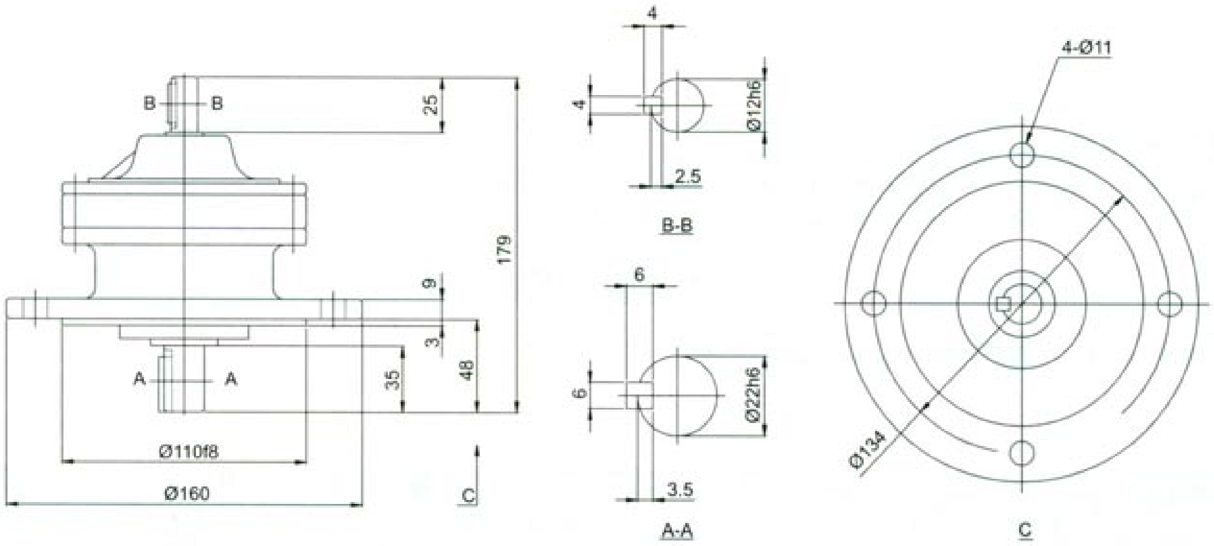
THM-808														
Motor			TRANSCYKO Model No.	Metric (mm,kg)					Inches (in,lbs)				
kW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0. 2	1/4	4	THM02-808	348	121	144	157	11	13. 70	4. 76	5. 67	6. 18	24.2
0. 4	1/2	4	THM05-808	369	132	162	157	13	14. 53	5. 20	6. 38	6. 18	28.6
0. 75	1	4	THM1-808	368	137	177	157	17	14. 49	5. 39	6. 97	6. 18	37.4

TVM-808

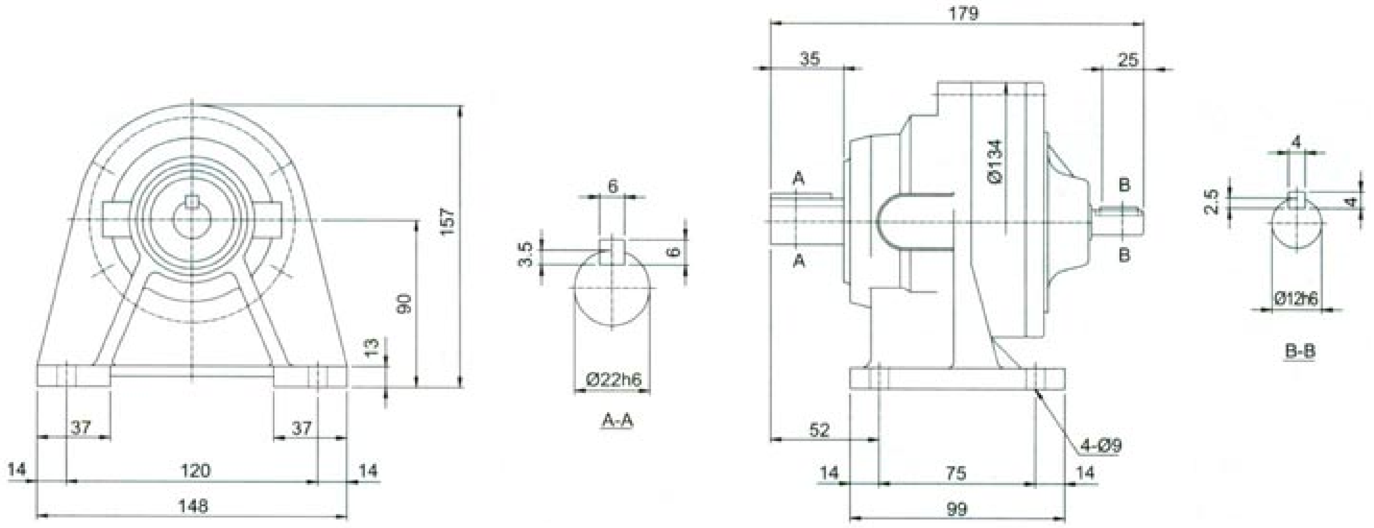


TVM-808														
Motor			TRANSCYKO Model No.	Metric (mm,kg)					Inches (in,lbs)				
kW	HP	POLE		L	J	DM	H	Weight	L	J	DM	H	Weight
0. 2	1/4	4	TVM02-808	348	121	144		13	13. 70	4. 76	5. 67		28.6
0. 4	1/2	4	TVM05-808	369	132	162		15	14. 53	5. 20	6. 38		33.0
0. 75	1	4	TVM1-808	368	137	177		19	14. 49	5. 39	6. 97		41.8

TV-808



TH-808



Selection Tables For 808 Gear motors

808 Cycloid Gear			
Selection Tables For 4 Pole Motor			
Ratio	Frequency	Motor Input Speed	Reducer Output Speed
6	50Hz	1500rpm	250rpm
	60Hz	1800rpm	300rpm

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	0. 72/62. 50	200/440	2. 00	0. 60/52. 08	160/352	2. 00	02-808-6	225	225
0. 4	1/2	05	1. 44/124. 99	200/440	1. 76	1. 20/104. 16	160/352	1. 10	05-808-6	225	225

Selection Tables For 808 Gear motors

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
8	50Hz	1500rpm	188rpm
	60Hz	1800rpm	225rpm

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	0. 96/83. 33	200/440	3. 60	0. 80/69. 44	190/418	2. 60	02-808-8	225	225
0. 4	1/2	05	1. 56/135. 41	200/440	3. 00	1. 30/112. 84	190/418	2. 25	05-808-8	225	225

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
11	50Hz	1500rpm	136rpm
	60Hz	1800rpm	164rpm

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	1. 32/114. 57	200/440	2. 54	1. 10/95. 48	210/462	2. 02	02-808-11	225	225
0. 4	1/2	05	2. 64/229. 15	170/374	1. 00	2. 20/190. 96	161/354. 2	1. 00	05-808-11	225	225

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
13	50Hz	1500rpm	115rpm
	60Hz	1800rpm	138rpm

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	1. 56/135. 41	250/550	2. 40	1. 30/112. 84	220/484	1. 90	02-808-13	225	225
0. 4	1/2	05	3. 12/270. 82	250/550	1. 87	2. 60/225. 68	220/484	1. 78	05-808-13	225	225

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
15	50Hz	1500rpm	100rpm
	60Hz	1800rpm	120rpm

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	1. 80/156. 24	250/550	2. 40	1. 50/130. 2	230/506	1. 50	02-808-15	225	225
0. 4	1/2	05	3. 60/312. 48	250/550	1. 90	3. 00/260. 4	230/506	1. 90	05-808-15	225	225

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
17	50Hz	1500rpm	88rpm
	60Hz	1800rpm	106rpm

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	2. 04/177. 07	260/572	1. 96	1. 72/149. 30	240/528	1. 88	02-808-17	225	225
0. 4	1/2	05	4. 08/354. 14	260/572	1. 90	3. 40/295. 12	240/528	1. 80	05-808-17	225	225

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
21	50Hz	1500rpm	71rpm
	60Hz	1800rpm	89rpm

Selection Tables For 808 Gear Motors

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	2. 52/218. 74	180/396	1. 00	2. 10/182. 28	180/396	1. 00	02-808-21	225	225
0. 4	1/2	05	5. 04/437. 47	180/396	1. 00	4. 20/364. 56	180/396	1. 00	05-808-21	225	225

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
25	50Hz	1500rpm	60rpm
	60Hz	1800rpm	72rpm

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	3. 00/260. 4	250/550	1. 35	2. 50/217	230/506	1. 25	02-808-25	225	225
0. 4	1/2	05	6. 00/520. 8	250/550	1. 10	5. 00/434	230/506	1. 05	05-808-25	225	225

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
29	50Hz	1500rpm	52rpm
	60Hz	1800rpm	62rpm

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	3. 48/302. 06	340/748	3. 35	2. 90/251. 72	340/748	3. 40	02-808-29	225	225
0. 4	1/2	05	6. 96/604. 13	240/528	1. 10	5. 80/503. 44	220/484	1. 05	05-808-29	225	225

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
35	50Hz	1500rpm	43rpm
	60Hz	1800rpm	51rpm

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	4. 20/364. 56	220/484	1. 53	3. 50/303. 8	210/462	1. 51	02-808-35	225	225
0. 4	1/2	05	8. 40/729. 12	220/484	1. 10	7. 00/607. 6	210/462	1. 05	05-808-35	225	225

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
43	50Hz	1500rpm	35rpm
	60Hz	1800rpm	42rpm

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	5. 16/447. 89	220/484	1. 10	4. 30/373. 24	210/462	1. 05	02-808-43	225	225
0. 4	1/2	05	10. 3/894. 04	250/550	1. 50	8. 60/746. 48	250/550	1. 50	05-808-43	225	225

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
51	50Hz	1500rpm	29rpm
	60Hz	1800rpm	35rpm

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	6. 12/531. 22	340/748	1. 80	5. 10/442. 68	340/748	1. 80	02-808-51	225	225

Selection Tables For 808 Gear Motors

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
59	50Hz	1500rpm	25rpm
	60Hz	1800rpm	31rpm

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	7. 08/614. 54	340/748	1. 65	5. 90/512. 12	340/748	1. 65	02-808-59	225	225

Ratio	Frequency	Motor Input Speed	Reducer Output Speed
71	50Hz	1500rpm	21rpm
	60Hz	1800rpm	25rpm

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	8. 52/739. 54	340/748	1. 30	7. 10/616. 28	340/748	1. 30	02-808-71	225	225

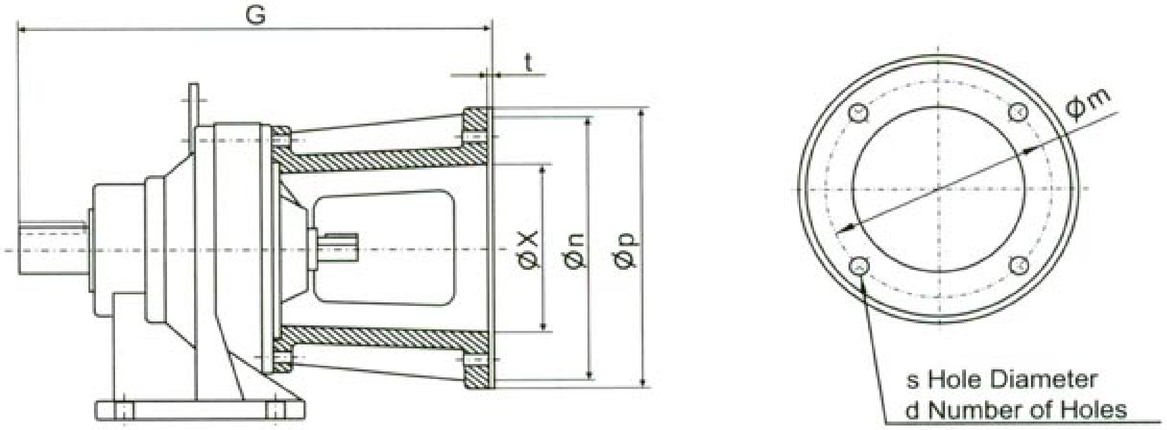
Ratio	Frequency	Motor Input Speed	Reducer Output Speed
87	50Hz	1500rpm	17rpm
	60Hz	1800rpm	21rpm

MOTOR			50Hz			60Hz			TRANSCYKO MODEL	Dimension Page	
kW	HP	Symbol	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.	Output Torgue kgf. m/in. lb	Allowable Output Shaft Overhung Load kgf/lb	S.F.		H	V
0. 2	1/4	02	10. 4/902. 72	340/748	1. 25	8. 70/755. 16	340/748	1. 20	02-808-87	225	225

Selection Tables For 808 Speed Reducers

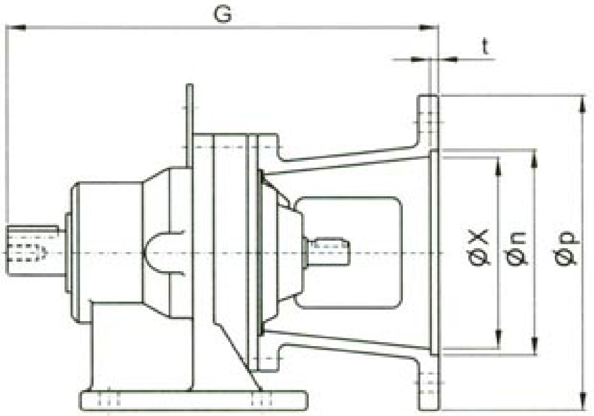
Input Speed(rpm)		1800		1500		1200		1000		900		750		600		50 and Below	Dimension Page	
Ratio	Frame Size808	Input kW/HP	Output Torque kgf.m/in.lb	Input kW/HP	Output Torque kgf.m/in.lb	Input kW/HP	Output Torque kgf.m/in.lb	Input kW/HP	Output Torque kgf.m/in.lb	Input kW/HP	Output Torque kgf.m/in.lb	Input kW/HP	Output Torque kgf.m/in.lb	Input kW/HP	Output Torque kgf.m/in.lb	Output Torque kgf.m/in.lb	H	V
6	Output Speed rpm	300		250		200		167		150		125		100		8.3 and Below	226	226
		0.78/1.05	2.47/214.40	0.78/1.05	2.98/258.66	0.78/1.05	3.70/321.16	0.78/1.05	4.40/381.92	0.78/1.05	4.96/430.53	0.78/1.05	5.99/519.93	0.78/1.05	7.44/645.79	2/173.6		
8	Output Speed rpm	225		188		150		125		113		94		75		6.3 and Below	226	226
		0.78/1.05	3.29/285.57	0.78/1.05	3.97/344.60	0.78/1.05	4.49/389.73	0.78/1.05	5.87/509.52	0.78/1.05	6.62/574.62	0.78/1.05	7.99/693.53	0.78/1.05	9.92/861.06	10.10/876.68		
11	Output Speed rpm	164		136		109		91		82		68		55		4.5 and Below	226	226
		0.78/1.05	4.53/393.20	0.78/1.05	5.45/473.06	0.78/1.05	6.79/589.37	0.78/1.05	8.07/700.48	0.78/1.05	9.06/786.41	0.68/0.91	9.65/873.62	0.58/0.78	10.2/885.36	10.20/885.36		
13	Output Speed rpm	138		115		92		77		69		58		46		3.8 and Below	226	226
		0.78/1.05	5.34/463.51	0.78/1.05	6.45/559.86	0.78/1.05	8.02/696.14	0.78/1.05	9.54/828.07	0.74/0.99	10.2/885.36	0.61/0.82	10.2/885.36	0.49/0.66	10.2/885.36	10.20/885.36		
15	Output Speed rpm	120		100		80		67		60		50		40		3.3 and Below	226	226
		0.78/1.05	6.17/535.56	0.78/1.05	7.44/645.79	0.78/1.05	9.26/803.77	0.72/0.96	10.2/885.36	0.64/0.86	10.2/885.36	0.53/0.71	10.2/885.36	0.43/0.58	10.2/885.36	10.20/885.36		
17	Output Speed rpm	106		88		71		59		53		44		35		2.9 and Below	226	226
		0.78/1.05	6.98/605.86	0.78/1.05	8.43/731.72	0.76/1.02	10.2/885.36	0.64/0.86	10.2/885.36	0.56/0.75	10.2/885.36	0.47/0.63	10.2/885.36	0.38/0.51	10.2/885.36	10.20/885.36		
21	Output Speed rpm	86		71		57		48		43		36		29		2.4 and Below	226	226
		0.55/0.74	6.11/530.35	0.55/0.74	7.73/670.96	0.47/0.63	7.87/683.12	0.40/0.54	7.87/683.12	0.35/0.47	7.87/683.12	0.29/0.39	7.87/683.12	0.24/0.32	7.87/683.12	7.87/683.12		
25	Output Speed rpm	72		60		48		40		36		30		24		2.0 and Below	226	226
		0.48/0.64	6.27/544.24	0.48/0.64	7.57/657.08	0.47/0.63	9.42/817.66	0.43/0.58	10.2/885.36	0.38/0.51	10.2/885.36	0.32/0.43	10.2/885.36	0.26/0.35	10.2/885.36	10.20/885.36		
29	Output Speed rpm	62		52		41		34		31		26		21		1.7 and Below	226	226
		0.47/0.63	7.16/621.49	0.47/0.63	8.64/749.95	0.44/0.59	10.2/885.36	0.37/0.50	10.2/885.36	0.33/0.44	10.2/885.36	0.27/0.36	10.2/885.36	0.22/0.24	10.2/885.36	10.20/885.36		
35	Output Speed rpm	51		43		34		29		26		21		17		1.4 and Below	226	226
		0.47/0.63	8.64/749.95	0.41/0.55	9.19/797.69	0.36/0.48	9.90/859.32	0.31/0.42	10.2/885.36	0.27/0.36	10.2/885.36	0.23/0.31	10.2/885.36	0.18/0.24	10.2/885.36	10.20/885.36		
43	Output Speed rpm	51		43		34		29		26		21		17		1.4 and Below	226	226
		0.29/0.39	6.68/579.82	0.29/0.39	8.06/699.61	0.29/0.39	10.0/868.00	0.25/0.34	10.2/885.36	0.22/0.29	10.2/885.36	0.19/0.25	10.2/885.36	0.15/0.20	10.2/885.36	10.20/885.36		
51	Output Speed rpm	35		29		24		20		18		15		12		0.98 and Below	226	226
		0.24/0.32	6.49/563.33	0.24/0.32	7.84/680.51	0.24/0.32	9.77/848.04	0.21/0.28	10.2/885.36	0.19/0.25	10.2/885.36	0.16/0.21	10.2/885.36	0.13/0.17	10.2/885.36	10.0/868.00		
59	Output Speed rpm	31		25		20		17		15		13		10		0.85 and Below	226	226
		0.23/0.31	7.28/631.90	0.23/0.31	8.79/762.97	0.22/0.29	10.2/885.36	0.18/0.24	10.2/885.36	0.16/0.21	10.2/885.36	0.14/0.19	10.2/885.36	0.11/0.15	10.2/885.36	10.0/868.00		
71	Output Speed rpm	25		21		17		14		13		11		8.5		0.70 and Below	226	226
		0.20/0.27	7.58/657.94	0.20/0.27	9.14/793.35	0.18/0.24	10.2/885.36	0.15/0.20	10.2/885.36	0.14/0.19	10.2/885.36	0.11/0.15	10.2/885.36	0.09/0.12	10.2/885.36	10.0/868.00		
87	Output Speed rpm	21		17		14		11		10		8.6		6.9		0.57 and Below	226	226
		0.12/0.16	5.58/484.34	0.12/0.16	6.73/584.16	0.12/0.16	8.37/726.52	0.12/0.16	9.95/863.66	0.11/0.15	10.2/885.36	0.09/0.12	10.2/885.36	0.07/0.09	10.2/885.36	10.0/868.00		

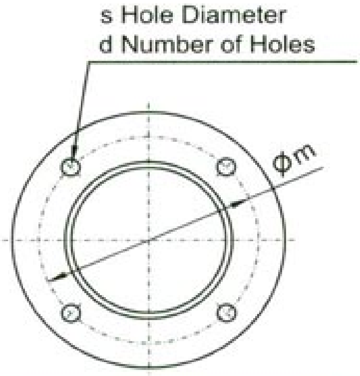
DIMENSION OF T□□C-6□□



Reducer Model No.	Motor Model No.	G	x	n	p	d	m	s	t
609	42C	9.73	3.31	3.00	4.33	4	3.75	0.28	0
609	48C	10.11	3.31	3.00	4.33	4	3.75	0.28	0
609	56C 145TC	10.50	3.50	4.50	6.69	4	5.88	0.43	0
610	48C	10.32	3.23	3.00	4.33	4	3.75	0.28	0
610	56C 145TC	10.81	3.50	4.50	6.69	4	5.88	0.43	0
610	182TC 184TC	11.31	3.50	8.50	8.98	4	7.25	0.59	0.22
611	56C 145TC	12.81	5.04	4.50	6.69	4	5.88	0.43	0
611	182TC 184TC	13.79	5.49	8.50	8.98	4	7.25	0.59	0.22
611	213TC 215TC	14.39	5.06	8.50	8.98	4	7.25	0.59	0.22
612	56C 145TC	12.81	5.04	4.50	6.69	4	5.88	0.43	0
612	145TC 182TC	13.79	5.49	8.50	8.98	4	7.25	0.59	0.22
612	213TC 215TC	14.39	5.49	8.50	8.98	4	7.25	0.59	0.22
613	56C 145TC	15.25	5.04	4.50	6.69	4	5.88	0.43	0
613	182TC 184TC	16.28	4.88	8.50	8.98	4	7.25	0.59	0.22
613	213TC 215TC	16.62	5.12	8.50	8.98	4	7.25	0.59	0.22
613	254TC 256TC	17.66	5.51	8.50	8.98	4	7.25	0.59	0.22
614	56C 145TC	16.04	5.04	4.50	6.69	4	5.88	0.43	0
614	182TC 184TC	17.07	4.88	8.50	8.98	4	7.25	0.59	0.22
614	213TC 215TC	17.41	5.12	8.50	8.98	4	7.25	0.59	0.22
614	254TC 256TC	18.45	5.51	8.50	8.98	4	7.25	0.59	0.22
615	56C 145TC	16.04	5.04	4.50	6.69	4	5.88	0.43	0
615	182TC 184TC	17.07	4.88	8.50	8.98	4	7.25	0.59	0.22
615	213TC 215TC	17.41	5.12	8.50	8.98	4	7.25	0.59	0.22
615	254TC 256TC	18.45	5.51	8.50	8.98	4	7.25	0.59	0.22

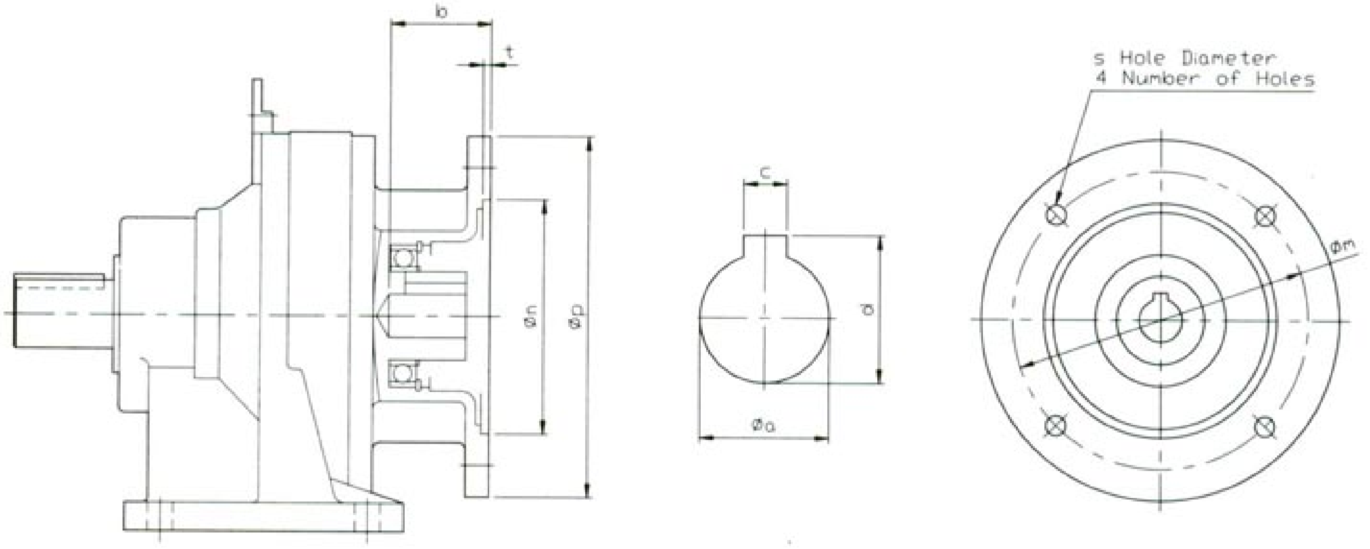
DIMENSION OF T□□C-6□□





Reducer Model No.	Motor Model No.	G	x	m	n	p	t	s	d
609	71	242	102.3	130	110	160	5	10	4
609	90L	255	122	165	130	200	5	12	4
610	80L	251	122	165	130	200	5	12	4
611	90L	312	128	165	130	200	5	12	4
611	100L	322	164	215	180	250	6	12	4
612	90L	312	128	165	130	200	5	12	4
612	100L	322	164	215	180	250	6	12	4
613	90L	374	114	165	130	200	5	12	4
616	90L	466	140	165	130	200	5	12	4
616	132M	496	203	265	230	300	6	15	4
616	160M	526	220	300	250	350	7	19	4
617	180M	591	260	350	300	400	7	19	4
619	132M	705.5	195	265	230	300	6	15	4
619	160M	735.5	228	300	250	350	7	19	4
619	180M	736.5	280	350	300	400	7	19	4
619	200L	736.5	330	400	350	450	7	19	8
620	160M	791	237	300	250	350	7	19	4
620	180M	791	280	350	300	400	7	19	4
620	200L	821	280	350	300	400	7	19	4
621	160M	820	235	300	250	350	7	19	4
621	180M	821	275	350	300	400	7	19	4
621	200L	851	325	400	350	450	7	19	8
621	225S	851	376	500	450	550	7	19	8
622	180M	866	275	350	300	400	7	19	4
622	200L	896	325	400	350	450	7	19	8
622	225S	897	354	500	450	550	7	19	8
623	180M	953	275	350	300	400	7	19	4
623	200L	984	325	400	350	450	7	19	8
623	225S	984	380	500	450	550	7	19	8
624	225S	1022	425	500	450	550	7	19	8
625	225S	1185	424	500	450	550	7	19	8
626	225S	1295	424	500	450	550	7	19	8

DIMENSION OF T□□X-6□□(IEC/NEMA INPUT HOLLOW SHAFT ADAPTERS)



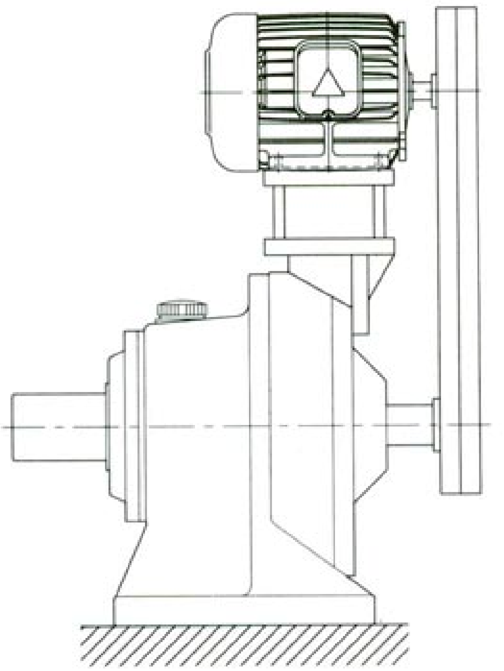
For IEC Motor(m/m)

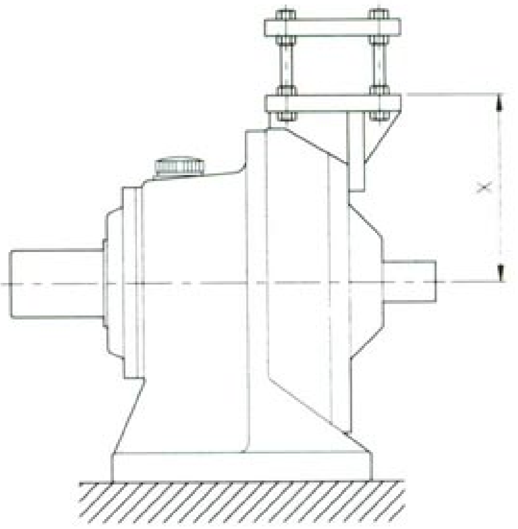
Frame No.	m	n	p	t	s	a	b	c	d
63	130	110	160	4.5	9	11	23	4	12.8
71	130	110	160	4.5	9	14	30	5	16.3
80	165	130	200	4.5	11	19	40	6	21.8
90L	165	130	200	4.5	11	24	50	8	27.3
110L,112M	215	180	250	5	14	28	60	8	31.3
132S,132M	265	230	250	5	14	38	80	10	41.3
160M,160L	300	250	350	6	18	42	110	12	45.3

For NEM Motor(in)

Frame No.	m	n	p	t	s	a	KEYWAY
56C	5.88	4.50	6.69	0.20	0.43	$0.625 \pm {}^{0.0007}_{0.0000}$	3/16x3/32
143-145TC	5.88	4.50	6.69	0.20	0.43	$0.875 \pm {}^{0.0008}_{0.0000}$	3/16x3/32

DIMENSION OF T□□T-6□□ TOP MOUNT ADAPTERS





Use simple adjusting screws for belt tensioning,this table shows
the approximately adjustable range of "X" dimensions.(mm/in)

TRANSCYKO		611,612	613,614,615	616	617	618
"X" dimension	Min.	190/7.50	184/7.25	226/8.88	257/10.13	270/10.63
	Max.	254/10.00	260/10.25	302/11.88	334/13.13	346/13.63

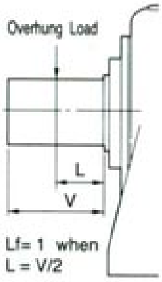
TRANSCYKO		619	620	621	622	623
"X" dimension	Min.	305/12.00	337/13.25	353/13.90	370/14.56	387/15.25
	Max.	381/15.00	413/16.25	429/16.90	446/17.56	464/18.25

TRANSCYKO		624	625	626	627
"X" dimension	Min.	411/16.18	476/18.75	500/19.68	584/23.00
	Max.	487/19.18	552/21.75	576/22.68	660/26.00

ALLOWABLE OVERHUNG LOAD

When a gear, sprocket, sheave or other pullers is coupled to the slow speed shaft (output shaft), it is very important to make sure the applied overhung load on the slow speed shaft is within the range of the allowable overhung load. Please confirm the overhung load on the slow speed shaft with the following formula:

$$\text{Actual Overhung Load} = \frac{T\ell}{R} \leq \frac{\text{Allowable Overhung Load}}{Lf \times Cf \times Fs}$$



$T\ell$: Actual Transmitted torque on slow speed shaft.

R : Pitch circle radius of sprocket, gear, pulley, etc.

Lf : Load location factor.

Cf: Coupling factor.

Fs: Shock factor.

Coupling factor Cf

Type of coupling	Cf
Chain	1
Gears	1.2
V-Belt	1.5
Flat Belt	2.5

Shock factor Fs

Degree Shock	Fs
No shock	1
Light shock	1~1.2
Severe shock	1.4~1.6

Load Location factor Lf

Frame size \ L mm / in	5 0.2	10 0.4	15 0.6	20 0.8	25 1.0	30 1.2	35 1.4	40 1.6	45 1.8	50 2.0	60 2.4	70 2.8	80 3.1	90 3.5	100 4.0	120 4.7	140 5.5	160 6.3	180 7.0	200 8.0	225 9.0	250 10.0	275 11.0	300 12.0
607	0.83	0.94	1.19	1.56																				
608	0.82	0.91	1.00	1.29	1.59	1.88																		
609	0.86	0.92	0.97	1.13	1.38	1.64	1.90																	
610	0.86	0.92	0.97	1.13	1.38	1.64	1.90																	
611 612		0.82	0.87	0.92	0.97	1.08	1.25	1.42	1.59	1.76														
613			0.83	0.87	0.92	0.96	1.00	1.13	1.25	1.38	1.63	1.88												
614 615				0.66	0.73	0.80	0.87	0.93	1.00	1.10	1.30	1.50	1.70	1.90										
616				0.83	0.87	0.90	0.93	0.97	1.00	1.11	1.32	1.53	1.75	1.96										
617				0.86	0.89	0.92	0.94	0.97	1.00	1.11	1.32	1.53	1.75	1.96										
618					0.85	0.87	0.90	0.93	0.95	0.98	1.09	1.26	1.43	1.60	1.78									
619						0.89	0.87	0.89	0.91	0.93	0.97	1.04	1.18	1.32	1.46	1.75								
620						0.85		0.70	0.74	0.77	0.84	0.91	0.98	1.05	1.12	1.26	1.40	1.54						
621								0.70	0.73	0.77	0.84	0.91	0.98	1.05	1.13	1.27	1.41	1.56						
622								0.86	0.88	0.90	0.93	0.96	0.99	1.02	1.06	1.12	1.19	1.25						
623								0.82	0.84	0.85	0.88	0.91	0.94	0.97	1.00	1.06	1.12	1.18	1.24	1.30				
624								0.83	0.84	0.86	0.89	0.92	0.94	0.97	1.00	1.06	1.11	1.17	1.23	1.29				
625										0.83	0.85	0.88	0.90	0.93	0.95	1.00	1.05	1.10	1.22	1.36	1.52	1.69		
626												0.83	0.85	0.88	0.90	0.94	0.98	1.04	1.17	1.29	1.45	1.61	1.77	1.93
627														0.71	0.75	0.82	0.90	0.98	1.09	1.21	1.35	1.50	1.65	1.79

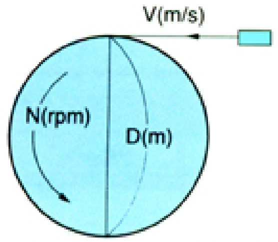
Allowable Slow Speed Shaft Overhung Load Capacity For Standard Units (kgf
lbs) (Cf,Lf,Fs=1)

Frame size \ Output Speed (R.P.M)	<2	3	4	5	6	8	10	15	20	25	30	35	40	50	60	80	100	125	150	200	250	300
607	110 242	110 242	110 242	110 242	110 242	110 242	110 242	110 242	110 242	110 242	110 242	110 242	110 242	110 242	110 242	110 242	110 242	105 231	95 209	85 187		
608	180 396	180 396	180 396	180 396	180 396	180 396	180 396	180 396	180 396	180 396	180 396	180 396	180 396	180 396	180 396	180 396	180 396	175 385	165 363	150 330	140 308	130 286
609	340 748	340 748	340 748	340 748	340 748	340 748	340 748	340 748	340 748	340 748	340 748	340 748	340 748	340 748	340 748	340 748	340 748	330 726	320 704	282 620	262 576	248 546
610	550 1210	550 1210	550 1210	550 1210	550 1210	550 1210	550 1210	550 1210	550 1210	550 1210	550 1210	550 1210	550 1210	550 1210	550 1210	550 1210	550 1210	520 1144	490 1078	443 975	415 913	390 858
611	880 1963	880 1963	880 1963	880 1936	880 1936	880 1936	880 1936	880 1936	880 1936	880 1936	880 1936	880 1936	880 1936	880 1936	835 1837	750 1665	750 1551	654 1439	615 1353	557 1225	516 1135	487 1071
612	1000 2000	1000 2200	1000 2200	1000 2200	1000 2200	1000 2200	1000 2200	1000 2200	1000 2200	1000 2200	1000 2200	1000 2200	955 2101	889 1956	835 1837	760 1672	705 1551	655 1441	615 1353	560 1232	519 1142	487 1071
613	1365 3003	1365 3003	1365 3003	1365 3003	1365 3003	1365 3003	1365 3003	1365 3003	1360 2992	1295 2849	1220 2684	1150 2530	1110 2442	1030 2266	965 2123	880 1936	818 1800	758 1668	715 1573	647 1423	601 1322	568 1250
614	1500 3300	1500 3300	1500 3300	1500 3300	1500 3300	1500 3300	1500 3300	1500 3300	1500 3300	1500 3300	1500 3300	1460 3213	1405 3091	1315 2893	1242 2732	1141 2510	1060 2332	995 2189	940 2068	862 1896	810 1782	765 1683
615	1600 3520	1600 3520	1600 3520	1600 3520	1600 3520	1600 3520	1600 3520	1600 3520	1600 3520	1600 3520	1600 3520	1600 3520	1600 3520	1532 3370	1453 3197	1330 2926	1241 2730	1162 2556	1100 2420	1010 2222	940 2068	890 1958
616	2050 4510	2050 4510	2050 4510	2050 4510	2050 4510	2050 4510	2050 4510	2050 4510	2000 4400	2000 4400	1985 4367	1880 4136	1805 3971	1680 3696	1580 3476	1432 3150	1333 2933	1230 2706	1165 2563	1050 2310	975 2145	920 2024
617	2900 6380	2900 6380	2900 6380	2900 6380	2900 6380	2900 6380	2900 6380	2900 6380	2680 5896	2490 5478	2340 5148	2220 4884	2120 4664	1970 4334	1855 4081	1685 3707	1565 3443	1450 3190	1365 3003	1242 2732	1152 2534	1081 2378
618	4000 8800	4400 8800	4000 8800	4000 8800	4000 8800	4000 8800	3900 8580	3800 8360	3590 7898	3330 7326	3140 6908	2985 6567	2845 6259	2640 5808	2490 5478	2250 4950	2100 4620	1945 4279	1830 4026	1665 3663		
619	5400 11880	5400 11880	5400 11880	5400 11880	5400 11880	5400 11880	5300 11660	5300 11660	5020 11044	4660 10252	4400 9680	4150 9130	3990 8778	3695 8129	3490 7678	3160 6952	2940 6468	2720 5984	2565 5643	2335 5137		
620	8000 17600	8000 17600	8000 17600	8000 17600	8000 17600	8000 17600	7050 15510	6650 14630	6100 13420	5700 12540	5410 11902	5150 11332	4955 10901	4630 10186	4392 9662	4030 8866	3765 8283	3510 7722	3330 7326	3100 6820		
621	8800 19360	8800 19360	8800 19360	8800 19360	8800 19360	8800 19360	8800 19360	8470 18634	7770 17094	7265 15983	6890 15158	6565 14443	6350 13970	5900 12980	5600 12320	5140 11308	4800 10560	4490 9878	4245 9339	3895 8569		
622	14700 32340	14300 31460	13200 29040	12300 27060	17200 25784	10750 23650	10400 22880	8910 19600	8150 17930	7640 16808	7250 15950	6910 15200	6630 14585	6205 13650	5890 12960	5400 11880	5050 11110	4720 10384	4465 9823	4150 9130		
623	18000 39600	18000 39600	16300 35860	15400 33880	14500 31900	13300 29260	12500 27500	11150 24530	10250 22550	9520 20944	9050 19910	8700 19140	8260 18172	7740 17028	7330 16126	6720 14784	6280 13816	5860 12892				
624	21000 46200	19500 42900	18500 40700	17000 37400	16300 35860	15000 33000	14100 31020	12450 27390	11300 24860	10700 23540	10050 22110	9570 21054	9200 20240	8600 18920	8180 17996	7500 16500	6995 15389	6540 14388				
625	26000 57200	24000 52800	22000 48400	21000 46200	19950 43890	18400 40480	17100 37620	15100 33220	14000 30800	13050 28710	12300 27060	11700 25740	11350 24970	10800 23760	9965 21923	9145 20119	8600 18920	8050 17710				
626	27800 61160	27800 61160	27300 60060	25700 56540	24350 53570	22350 49170	20850 45870	18450 40590	16900 37180	15900 34980	15050 33110	14300 31460	13750 30250	12900 28380	12200 26840	11250 24750	10500 23100	9765 21483				
627	20000 44000	20000 44000	20000 44000	20000 44000	20000 44000	20000 44000	20000 44000	20000 44000	20000 44000	20000 44000	20000 44000	20000 44000	20000 44000									

* For double stage reducers, the overhung load apply to the slow speed output side.

FORMULA OF DRIVE SYSTEM

1.Revolving Speed N(rpm), Velocity V(m/s)

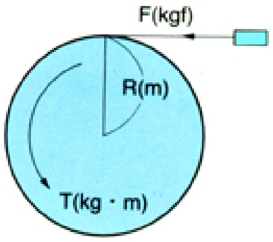


$$V=\pi \cdot D \cdot \frac{N}{60} \text{ (m/s)}$$

D:Wheel Diameter (m)

(π=3.14)

2.Torque T(kgf · m)



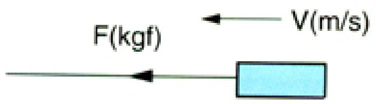
$$T=F \cdot R \cdot \text{(kgf} \cdot \text{m)}$$

F:Load(kgf)

R:Wheel Radius (m)

1kgf · m=86.8 in · lbs

3.Power P(kW)



$$P=\frac{F \cdot V}{102} \text{ (kw)}$$

F: Load (kgf)

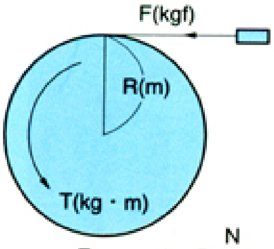
V: Velocity (m/s)

1HP= 0.74569 kw

1kw=1.341HP

4.Power P(kW), Torque T(kgf · m), Revolving Speed (rpm)

$$P=\frac{N \cdot T}{975} \text{(kW)}, \qquad T=\frac{975 \cdot P}{N} \text{ (kW)}$$



$$P=\frac{F \cdot V}{102} \text{ (kW)}$$

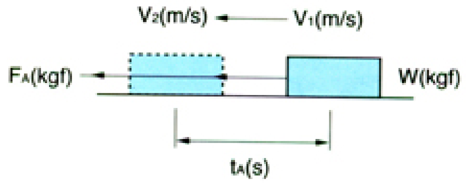
$$V=\pi \cdot 2 \cdot R \cdot \frac{N}{60} \text{ (m/s)}$$

$$\therefore P=\frac{F \cdot \pi \cdot 2 \cdot R \frac{N}{60}}{102}=\frac{2 \cdot \pi}{102\text{x}60} N \cdot F \cdot R \cdot \text{(kW)}$$

Since T = F.R

$$\therefore P=\frac{2 \cdot \pi}{102\text{x}60} \cdot N \cdot T=\frac{N \cdot T}{975} \text{ (kW)}$$

5.Acceleration Forque TA(kgf · m)



$$F_A=m \cdot \alpha=\frac{W}{g} \cdot \frac{V_2 - V_1}{t_A} \text{(kgf)}$$

$$m=\frac{W}{g} \text{ (kgf)} \quad , \quad \alpha=\frac{V_2 - V_1}{t_A}$$

W : Weight (kgf)

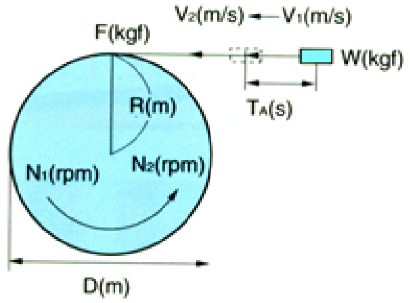
g : Acceleration of Gravity 9.8 (m/s^2)

m : Mass (kgf · s^{2}m)

α : Acceleration (m/s^2)

t_A : Acceleration Time (sec.)

6.Acceleration Torque TA(kgf · m)



$$T_A=F_A \cdot R, \quad F_A=\frac{W}{g} \cdot \frac{V_2 - V_1}{t_A}$$

$$V_2=\pi \cdot D \cdot \frac{N_2}{60,} \qquad V_1=\pi \cdot D \cdot \frac{N_1}{60'} \qquad R=\frac{D}{2}$$

$$\therefore T_A=\frac{W}{g} \cdot \frac{\frac{\pi \cdot D}{60}(N_2 - N_1)}{t_A} \cdot \frac{D}{2}$$

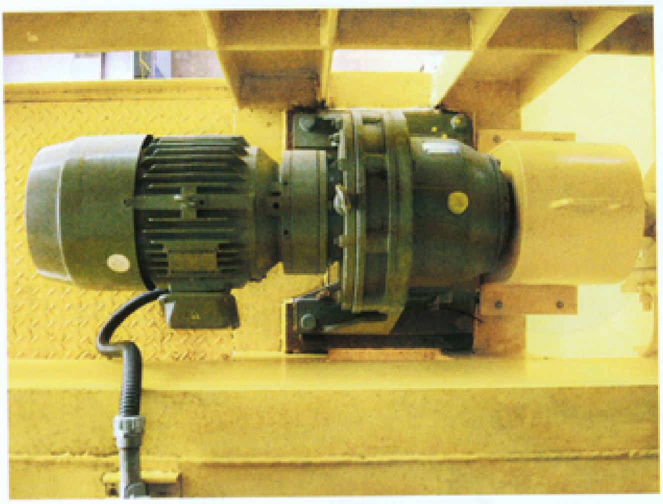
$$=\frac{\pi \cdot W \cdot D}{60 \cdot g} \cdot \frac{N_2 - N_1}{t_A} \cdot \frac{D}{2}$$

$$=\frac{W \cdot D^2}{375} \cdot \frac{N_2 - N_1}{t_A} \text{ (kgf} \cdot \text{m)}$$

Since W · D^2 is GD^2 (Flywheel Effect : (kgf · m^2)

$$T_A=\frac{GD^2}{375} \cdot \frac{N_2 - N_1}{t_A} \text{ (kgf} \cdot \text{m)}$$




TRANSCYKO®

CYCLOIDAL SPEED REDUCERS

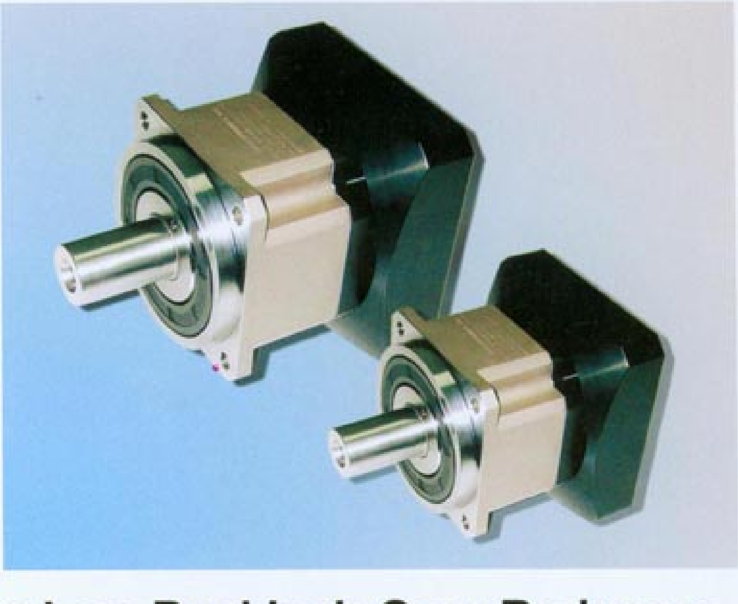
600 SERIES

ISO 9002 Registered Company

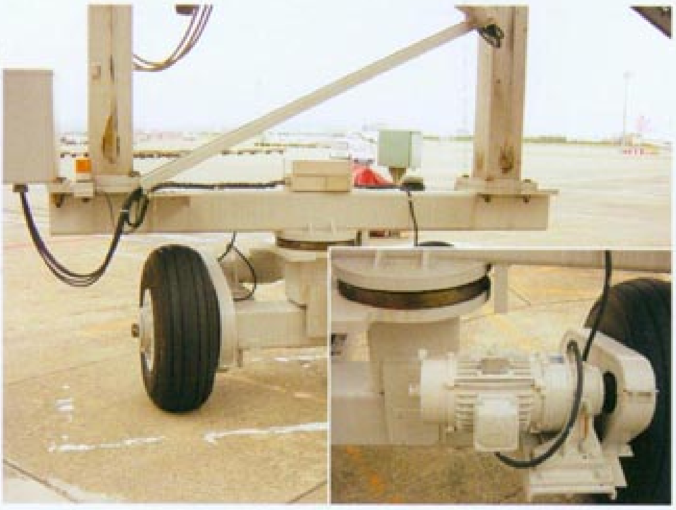
Transtec Heavy Industry Co.,Ltd.
Transmission Machinery Co.,Ltd.
ISO 9002 Registered Company

TRANSCYKO®

Exhibition



• Low Backlash Gear Reducers

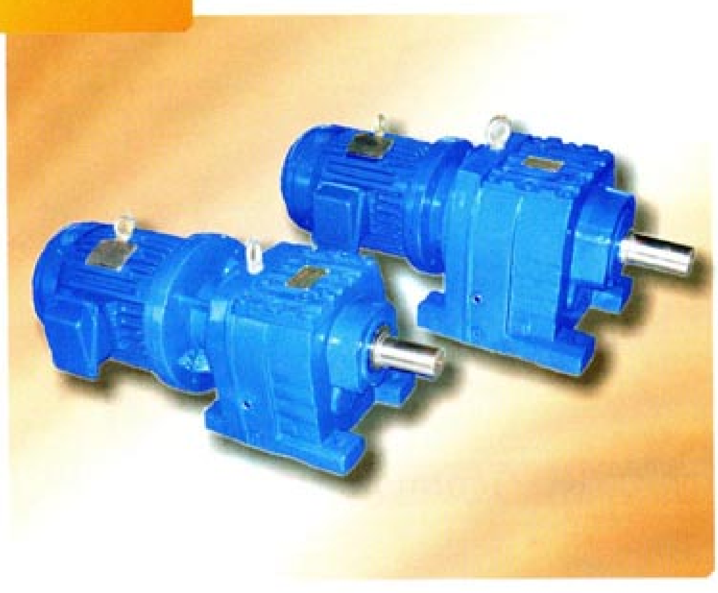


Transcyko Geared Motor Series

- TK-Helical Bevel Gear Motor
- Transcyko Cycloid Speed Reducer and Gear Motor
- Low Backlash Gear Reducers
- TR-Helical Gear Motor

• Transcyko Cycloid Speed Reducer and Gear Motor

• TK-Helical Bevel Gear Motor



• TR-Helical Gear Motor