



POWERTEK EQUIPMENT COMPANY MUMBAI-INDIA

TRANSMISSION WITH PRECISION













RANGE OF PRODUCTS

FLANGE MOUNTED PLANETARY GEARBOX

Reduction Ratio: 3.5:1 to 6000:1 Or Even more

torque Rating: 50 N.m to 250000 N.m

Input Power: 0.18 kW to 75 kW

Input Type: Hollow Input, Free Input

Output Type: Solid Shaft, Splined Shaft & Hollow





FOOT MOUNTED PLANETARY GEARBOX

Reduction Ratio: 3.5:1 to 6000:1. Or Even more

Torque Rating: 50 N.m to 250000 N.m

Input Power: 0.18 kW to 75 kW.

Input Type: Hollow Input, Free Input

Output Type: Solid Shaft, Splined Shaft & Hollow

GEARED MOTOR

Reduction Ratio: 3.5:1 to 3000:1. Or Even more

Torque Rating: 50 N.m to 150000 N.m.

Input Power: 0.18 kW to 45.0 kW

Frame Size: 63 FS to 225 FS

Output Type: Solid Shaft, Splined Shaft & Hollow Shaft





ELECTRIC WINCH

Capacity: 250 Kg to 200000 Kg Input Power: 0.18kW to 30 kW Rope Dia.: 6 mm to 20mm.

Line Speed: 0.1m/min to 25m/min.

Input Type: Hollow or Free

CUSTOM BUILT GEARBOX

We supply custom built gearbox, manufactured as per custom requirement & demand of application.







Powertek is headquartered at Mumbai & Factory MIDC Satara, Maharashtra, India, engaged in the field of designing & manufacturing of planetary gearboxes as well as custom built gearboxes for various applications.

We have created a different identity with quality centric & innovative products. With the team of professionals, advanced designing software, state of the art manufacturing and testing facilities, we are strive to deliver our best services to our customers.

Our expertise in the Gear Design helped us to create Gears with proper gear teeth profile and strong gear teeth which made our gear boxes reducing noise, vibration and heat, resulting good efficiency of the gear unit.

POWERTEK EQUIPMENT CO. has got distinct business growth rate in the current transmission sector. High operating efficiency, easier mounting, space saving compactness, virtually maintenance free operation are some of the advantages of Precision gearboxes. We aim to build fruitful business relations with our customers where we become partners in fulfilling their mission. We are committed to continuous improvement & delivering best products to achieve customers trust and satisfaction.

This catalogue presents POWERTEK EQUIPMENT CO. range of planetary gearboxes.



1.1 PRODUCT SPCIFICATION

A. CONSTRUCTION

- Modular construction
- Every single stage consists of one Sun gear meshing with three to five planet gears mounted on the planet carrier
- These also mesh with the Sun gear maintaining the same direction of rotation
- The planet carrier is connected to the output shaft of the gear unit
- The design feature employed with sun gear floating among the planet gears together with accurate machining of parts, grants uniform load distribution among the planet gears.

B. SPECIFICATIONS

The range consists of multi-purpose planetary gearboxes that can be operated by hydraulic or electric motors. Basic features are;

- 40 different models
- Output torque up to 50,000nm
- Ratio from 3:5:1 to 6000:1
- Input power 0.12 Kw to 50 Kw
- Modular Design

C. VERSIONS

- Flange mounted
- Foot mounted
- Output shaft with keyway, splined, hollow shaft mounting with shrink disc

D. MATERIAL SPECIFICATION

Our expertise in gear design helped us to create gears with proper gear teeth profile & strong gear teeth. This helps to make the gearboxes with less noise, vibration & heat. This also increases efficiency of the gear unit.

Gears are made up of alloy steels like SAE 8620/20MnCr5 and are case carburized,

hardened to suitable hardness. All shafts are made from EN8/EN9/EN19 series steel and are toughened/hardened & ground.

Casings are made up of graded cast iron or cast steel necessary to withstand the load on the output shaft. Planet gears run on needle bearing while deep groove ball bearings or roller bearings are used on drive shafts.

Mounting: Foot/ Flange

The drive can be given by pulley/sprocket or coupling with the help of solid shaft. Female shaft & flange type are also available to mount direct electric motor of flange mounted construction as per IEC standards.

The gearboxes can be offered either bevel or worm planetary combinations to have a right angled transmissions wherever orientation & application demands for.

E. INSTALLATION

For effective & proper installation, follow the instructions below.

1. Fastening

Place gearbox on a surface providing adequate rigidity. Matching surface must be machined & flat. Matching surface must be within definite geometric tolerances. This is especially true for flange mounted gearboxes with splined hollow shafts.

In application that involve high radial load at the output end, flange mounting is recommended for some gearboxes sizes as this mounting makes use of the double pilot diameters provided on these gearboxes. Make sure the gearbox is suitable for the required mounting position. Use screw of resistance class 8.8 to over secure the gearbox. With transmitted output torque greater than or equal to 70% of indicated M2 max



1.1 PRODUCT SPCIFICATION

torque and with frequent movement reversals, use screw with minimum resistance 10.9. Some gearbox sizes can be fastened using either screw or pins. If a pin is used, the length of pin seated in the frame the gearbox being installed should be at least 1.5 times pin diameter.

2. Connections

Secure the connection parts, e.g. couplings, pulleys input & output. So not tap them with hammers or similar tools. To insert these parts, use the service screws and threaded holes provide on the shaft. Be sure to clean off any grease or proctectants from the shafts before fitting any connections part.

- Fitting hydraulic motors
 BE careful of the O ring between motor
 flange and gearbox input flange when
 assembling. Install the hydraulic motor
 before filling lube oil into the gearbox.
- Connecting the hydraulic brakes
 The hydraulic circuit should be such to
 ensure that brake is released instantly before
 gearbox starts and applied after gearbox has
 stopped. Check that, the pressure in the
 hydraulic line for brake release is at 0
 position whenever gearbox is stopped.

3. Direction of rotation

Motors are connected to suitable electric or hydraulic circuit according to their direction of rotations. When performing these connections, bear in mind that, all gearboxes whether in-line or right angle design, have the same direction of rotation both at input & output.

4. Lubrication

Before start up, fill the gearbox with the recommended lube oil up to correct level. Level is checked through the suitable plug or

sight glass provided on each gearbox depending on designed mounting position.

5. Lubrication (Prior to start up)

All gearboxes are oil-bath lubricated. For applications, calling for gearboxes vertically positioned axis, in which oil coverage during operation would not be sufficient to ensure correct lubrication of upper bearings, suitable life lubrication system.

Before start up, fill the gearbox with the correct quantity of oil selecting the viscosity level as per table. These gearboxes are provided with oil filling level & drain plugs.

For a proper plug positioning for adequate lubrication, please always specify the required mounting position. The table lists the most common brands of lubrication and the types recommended for normal applications.

Note: For applications with special operating conditions, consult the factory with complete Information. Oil temperature must not exceed 90 deg. C.

Units are delivered without oil but with filling draining and oil level plugs correctly positioned. The oil capacities indicated on gearbox for the various types of unit are indicative only. Check the oil level plug to ensure the correct amount of oil.

Should transmitted power exceed the thermal capacity of the unit forced lubrication must provided.



1.2 TECHNICAL DATA

RECOMMENDED OIL BRANDS

| BRAND | AMBIENT | AMBIENT | AMBIENT |
|---------------------|---------------|---------------|---------------|
| | TEMPERAURE | TEMPERAURE | TEMPERAURE |
| | 5°C to 30°C | 30°C to 65°C | 40°C to 75°C |
| INDIAN OIL | SERVO MESH | SERVO MESH | SERVO MESH |
| | 150 | 220 | 320 |
| HINDUSTHAN | GERVIL EP 150 | GERVIL EP 220 | GERVIL EP 320 |
| BHARAT PETROLIUM | GRHP 150 | GRHP 220 | GRHP 320 |
| ESSO | SPARTAN EP | SPARTAN EP | SPARTAN EP |
| | 150 | 220 | 320 |

Reduction Ratio (I)

Actual reduction ratio provided by our standard manufacturing for any size of gear unit, which is the ratio of Input speed to Output speed.

Generated Torque

Theoretical calculated value with related to installed power & speed or calculated by formula indicated in selection procedure step -II.

Rated Torque (Tr)

Output torque value for gear stresses corresponding to the limit value, conventionally considered as corresponding to theoretically unlimited life. The values shown in the following selection table into account both the bending strength and surface strength of the tooth flanks.

Peak Torque

It is output torque that the gear box can withstand in static or highly intermittent conditions for fraction time.

Thermal Rating (Pt) Kw

This is the continuous power transmittable by a gear unit with splash lubrication and maximum oil temperature of 90° C at ambient temp of 25° & input speed 1500 RPM.

Input Speed

The input speed taken, as basis for selection table is 1440 min either for the gearbox and for the gear motor. Maximum recommended

input speed is 1800 min-1. However for bigger size gear boxes from model 80 onwards the maximum input speed values are limited and to be verified with Precision Gear Transmissions before selection.

Efficiency

This normally is 0.96/0.97 for each stage, but reduces with an increase in speed and decrease in output torque for multistage gear boxes it has to be multiplied according to stages e.g. for 2 stage .96*0.96=0.92.

Service Factor

It has been introduced to take into account the characteristics and working hours per day of the driven machine. Actual Service factor for selected model is ratio of rated torque to generated torque.

Allowable Temperature

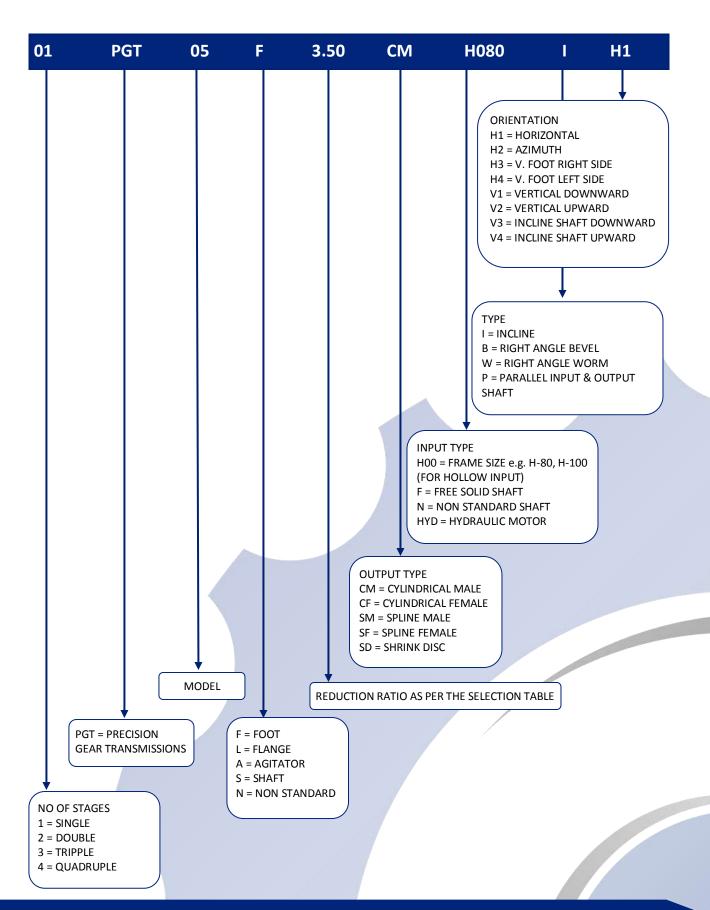
Standard gear units are suitable for oil temperature between -20°C & +90°C. For temperature condition slower than -20°C and above 90° C, special material and seals may be necessary, which are provided upon request.

Loads on Output Shafts

Loads on output shaft or input shaft applied de pending on applications are defined for an ISO LIO bearing life corresponding to n2h = 10 which may be checked as per procedure shown in Step No. 5 of selection.



1.3 MODEL IDENTIFICATION / ORDERING CODE



PEC

POWERTEK EQUIPMENT CO

1.4 SELECTION PROCEDURE FOR PLANETARY DRIVE

To select the type of reduction gear the following instruction concerning the applications should be known.

- Torque to be transmitted (output torque)
- Input speed (RPM)
- Output speed (RPM)
- Operating condition (i.e. No of Start-ups per hour and it subject to impacts
- Ambient temperature (0C)
- Radial load on output shaft
- Radial load on Input shaft
- Thrust load if any

After knowing the above information following steps to be followed for the selection,

STEP 1

Select the reduction ratio

Select nearest ration mentioned in the catalogue

STEP 2

Output torque to be transmitted. If the output torque is not known then the torque can be worked as,

torque (Nm) =
$$P \times 9546$$
 where P is Power in Kw

If the power available is in HP, convert to Kw using relation. 1Hp=0.746 Kw This above torque either defined output torque or calculated output torque or average output torque to be multiplied by the service factor.

STEP 3

Select suitable service factor as per the application for planetary gear box



1.4 SELECTION PROCEDURE FOR PLANETARY DRIVE

STEP 4

Find out rated

torque = calculated output torque *service factor

STEP 5

Selection of mode

Select life of gearbox & rated torque of gear box from page no. 10 to 30 with respect to output Speed & life required in hours calculate n2. h.

Compare the rated torque in table with torque required. For concern ratio the model selected should have more rated torque then calculated torque.

STEP 6

Verification of thermal capacity

After selection of model it is necessary to check with thermal capacity of the reducer thermal rating (Kw) Pt. It is the power a reduction gear can transmit in the continuous use at maximum operating temperature of 90C when ambient temperature is 250 C, oil viscosity is ISO VG 320 and input speed is 1440 RPM. The thermal ratings are shown in selection chart.

STEP 7

Verification of hollow frame

If selected reducer is required in hollow input configuration then it has to be verified for available frame size. Available frame sizes are shown in selection chart.

1.4 SELECTION PROCEDURE FOR PLANETARY DRIVE

STEP 8

Check for overhang load

When reducer is connected with sprocket, pulley, timing belt, gear or friction wheel there is radial load generated on shaft either high speed or low speed & this has to be checked called as overhang load capacity. Calculate the overhang load as per below mentioned formula.

Where:

P = Power in Kw (1HP = 0.746Kw)

d = diameter of sprocket/ pulley/ gear/ Friction wheel in mm

n = Speed of shaft in RPM

Fc = Load connection factor, which is as under

| CHAIN SPROCKET | GEAR | SPROCKET | V-BELT | FRICTION WHEEL |
|----------------|------|----------|--------|----------------|
| 1 | 1.06 | 1.5 | 2.5 | 3.5 |

Compare the calculated overhang load for selected model at desired life. Compare the calculated overhang load with actual as per the load location & the distance from shaft collar if value is within limit then the selection is correct or else check the possibility of increasing the PCD of wheel & reducing the distance from collar or select next higher model.



| | No or | INDLET | | OUTPUT | PEAK | | NON | IINAL C | OUTPUT | TORQUE | , Tn (Nm |) | HOL. | THERMA |
|-------|--------|--------|--|------------------------|------------|--------------|--|-------------------|----------|----------|----------|----------|---------------|--|
| MODEL | No. OF | | RATIO | OUTPUT | TORQUE, | n2xh | n2xh | n2xh | n2xh | n2xh | n2xh | n2xh | INPUT | RATING |
| | STAGES | SPEED | | SPEED | Tmax(Nm) | 10000 | THE RESIDENCE OF THE PARTY OF T | The second second | 100000 | | | 5000000 | FRAME SIZE | kW |
| - | | | 3.50 | 411.4 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | JILL | |
| | | | 3.86 | 373.1 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| P105 | 1 | 1440 | 4.33 | 332.6 | 112 | 95 | 90 | 87 | 82 | 69 | 62 | 53 | 63-80 | 2 |
| 1 103 | | 1110 | 5.00 | 288.0 | 104 | 88 | 84 | 80 | 76 | 64 | 58 | 49 | 05 00 | - |
| | | | 6.00 | 240.0 | 79 | 67 | 64 | 61 | 58 | 49 | 44 | 37 | | |
| | | | III STATE OF THE S | Charles and the second | 7372 | 15000 | | | 2007200 | | | 11/1 | | |
| | | | 12.25 | 117.6 | 96 96 | 81 | 77 | 74 | 70 70 | 59 59 | 53 53 | 45 45 | | |
| | | | 14.90 | 96.6 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| | | | 16.71 | 86.2 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| | | | 17.50 | 82.3 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | | |
| P205 | 2 | 1440 | 18.75 | 76.8 | 112 | 95 | 90 | 87 | 82 | 69 | 62 | 53 | 63-80 | 1.00 |
| | | | 19.30 | 74.6 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| | | | 21.65 | | 112 | 95 | 90 | 87 | 82 | 69 | 62 | 53 | | |
| | | | AND DESIGNATION OF THE PERSON | 66.5 | 122 | Transaction. | 98 | 1,5576.5 | 120000 | 75 | - 60 | 58 | | |
| | | | 23.16 | 62.2 | 9124454057 | 104 95 | 12470 | 94 | 89 | =2007 | 68 | 53 | | |
| | | | 25.98 | 55.4 | 112 | | 90 | 87 | 82 | 69 | 62 | | | |
| | | | 42.88 | 33.6 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | - | |
| | | | 52.15 | 27.6 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | | The state of the s |
| | | | 58.50 | 24.6 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | | |
| | | | 61.25 | 23.5 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | 1/ | |
| | | | 64.50 | 22.3 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| | | | 67.55 | 21.3 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | 1 | |
| | | | 72.40 | 19.9 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| P305 | 3 | 1440 | 74.50 | 19.3 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | 63-71 | 0.75 |
| | | | 89.40 | 16.1 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| | | | 96.50 | 14.9 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| | | | 100.28 | 14.4 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| | | | 108.25 | 13.3 | 112 | 95 | 90 | 87 | 82 | 69 | 62 | 53 | | |
| | | | 115.80 | 12.4 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| | | | 129.90 | 11.1 | 112 | 95 | 90 | 87 | 82 | 69 | 62 | 53 | | |
| | | | 155.88 | 9.2 | 112 | 95 | 90 | 87 | 82 | 69 | 62 | 53 | | |
| | | | 165.50 | 8.7 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | Î | |
| | | | 182.52 | 7.9 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | | |
| | | | 201.29 | 7.2 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | | |
| | | | 222.00 | 6.5 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| | | | 253.30 | 5.7 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | | |
| | | | 287.56 | 5.0 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| | | | 328.11 | 4.4 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | 1000 | |
| | | | 351.52 | 4.1 | 112 | 95 | 90 | 87 | 82 | 69 | 62 | 53 | | |
| | | | 387.10 | 3.7 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| | | | 405.91 | 3.5 | 112 | 95 | 90 | 87 | 82 | 69 | 62 | 53 | | |
| P405 | 4 | 1440 | 434.20 | 3.3 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | 63-71 | 0.5 |
| | | | 468.72 | 3.1 | 112 | 95 | 90 | 87 | 82 | 69 | 62 | 53 | | |
| | | | 482.50 | 3.0 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| | | / | 525.00 | 2.7 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | | |
| | | | 579.00 | 2.5 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| | 1 | | 630.00 | 2.3 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | | |
| | A | | 674.96 | 2.1 | 122 | 104 | 98 | 94 | 89 | 75 | 68 | 58 | | |
| | - | | 756.00 | 1.9 | 96 | 81 | 77 | 74 | 70 | 59 | 53 | 45 | | 1 |
| | | | 779.40 | 1.8 | 112 | 95 | 90 | 87 | 82 | 69 | 62 | 53 | 1 | 7 |
| | | | 935.28 | 1.5 | 112 | 95 | 90 | 87 | 82 | 69 | 62 | 53 | 100 | |
| | | | 1080.00 | 1.3 | 104 | 88 | 84 | 80 | 76 | 64 | 58 | 49 | | |



| | | | | | PEAK | | NOM | INAL O | LITPLIT | TOROLIE | , Tn (Nm) | Y | HOL. | THERMAL |
|--------|--------|-------|---------|--------|---------|-------|---|---------------|------------------------|----------------------|-----------|----------------------------------|-------|---------|
| MODEL | No. OF | 1 | RATIO | OUTPUT | TORQUE, | n2xh | n2xh | n2xh | n2xh | n2xh | n2xh | n2xh | INPUT | RATING |
| | STAGES | SPEED | 12111 | SPEED | | 10000 | CONTRACTOR OF THE PARTY OF THE | Marian Brooks | NAME OF TAXABLE PARTY. | CONTRACTOR OF STREET | 1000000 | COLUMN TWO IS NOT THE OWNER, THE | FRAME | kW |
| | | | 2.50 | | | | | | V management | Z SAMMANNA | | Tablish Co. | SIZE | |
| | | | 3.50 | 411.4 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | 8 | |
| D440 | 4 | 1440 | 3.86 | 373.1 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | 63-90 | 3.0 |
| P110 | 1 | 1440 | 4.33 | 332.6 | 223 | 189 | 180 | 172 | 162 | 138 | 124 | 105 | 03-90 | 3.0 |
| | | | 5.00 | 288.0 | 203 | 172 | 164 122 | 157 | 148 | 125 94 | 113 84 | 96 72 | E | |
| | | | | 240.0 | 152 | 129 | | 117 | 110 | | | | | |
| | | | 12.25 | 117.6 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | 8 | |
| | | | 13.51 | 106.6 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | | |
| | | | 14.90 | 96.6 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | 2 | |
| | | | 16.71 | 86.2 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | 7 | |
| P210 | 2 | 1440 | 17.50 | 82.3 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | 63-80 | 2.0 |
| | | | 18.75 | 76.8 | 223 | 189 | 180 | 172 | 162 | 138 | 124 | 105 | - | 110000 |
| | | | 19.30 | 74.6 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | | |
| | | | 21.65 | 66.5 | 223 | 189 | 180 | 172 | 162 | 138 | 124 | 105 | 8 | |
| | | | 23.16 | 62.2 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | ā | |
| 100 | | | 25.98 | 55.4 | 223 | 189 | 180 | 172 | 162 | 138 | 124 | 105 | | |
| | | | 42.88 | 33.6 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | | |
| / | | | 52.15 | 27.6 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | | |
| | | | 58.50 | 24.6 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | | |
| | | | 61.25 | 23.5 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | | |
| | | | 64.50 | 22.3 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | | |
| | | | 67.55 | 21.3 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | 8 | |
| | | | 72.40 | 19.9 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | | |
| P310 | 3 | 1440 | 74.50 | 19.3 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | 63-71 | 1.0 |
| | | | 89.40 | 16.1 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | 8 | |
| | | | 96.50 | 14.9 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | | |
| | | | 100.28 | 14.4 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | | |
| | | | 108.25 | 13.3 | 223 | 189 | 180 | 172 | 162 | 138 | 124 | 105 | 8 | |
| | | | 115.80 | 12.4 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | | |
| | | | 129.90 | 11.1 | 223 | 189 | 180 | 172 | 162 | 138 | 124 | 105 | | |
| | | | 155.88 | 9.2 | 223 | 189 | 180 | 172 | 162 | 138 | 124 | 105 | | |
| | | | 165.50 | 8.7 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | 13 | |
| | | | 182.52 | 7.9 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | | |
| | | | 201.29 | 7.2 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | 8 | |
| | 1 | | 222.00 | 6.5 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | | |
| 1 | | 1 | 253.30 | 5.7 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | | |
| | | - | 287.56 | 5.0 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | | |
| | | | 328.11 | 4.4 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | | |
| | | | 351.52 | 4.1 | 223 | 189 | 180 | 172 | 162 | 138 | 124 | 105 | | |
| | | | 387.10 | 3.7 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | 8 | |
| D. 4.5 | 2411 | | 405.91 | 3.5 | 223 | 189 | 180 | 172 | 162 | 138 | 124 | 105 | | 0 77 |
| P410 | 4 | 1440 | 434.20 | 3.3 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | 63-71 | 0.75 |
| | | | 468.72 | 3.1 | 223 | 189 | 180 | 172 | 162 | 138 | 124 | 105 | | |
| | | | 482.50 | 3.0 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | | |
| | | | 525.00 | 2.7 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | | |
| | | | 579.00 | 2.5 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | | |
| | | | 630.00 | 2.3 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | | |
| | | | 674.96 | 2.1 | 236 | 200 | 190 | 183 | 172 | 146 | 131 | 112 | 1 | |
| | | | 756.00 | 1.9 | 191 | 162 | 154 | 148 | 139 | 118 | 107 | 91 | 8 | |
| | | | 779.40 | 1.8 | 223 | 189 | 180 | 172 | 162 | 138 | 124 | 105 | | |
| | 1 | | 935.28 | 1.5 | 223 | 189 | 180 | 172 | 162 | 138 | 124 | 105 | 2 | |
| | | | 1080.00 | 1.3 | 203 | 172 | 164 | 157 | 148 | 125 | 113 | 96 | | |



| | | | | autru it | PEAK | | NOM | IINAL O | UTPUT | TORQUE | , Tn (Nm) | | HOL. | THERMAL |
|-------|--------|-------------------|--------------|----------------|------------|------------|------------|--------------|----------|------------|------------|------------|--------|--|
| MODEL | No. OF | And the second of | RATIO | OUTPUT | TORQUE, | n2xh | n2xh | n2xh | n2xh | n2xh | n2xh | n2xh | INPUT | RATING |
| | STAGES | SPEED | | SPEED | Tmax(Nm) | 10000 | | | | | 1000000 | | FRAME | kW |
| | | | 2.62 | 206.7 | 20.00 | | V22002001 | 12 Continues | 19270100 | SPECIAL | | VERNIAVEN | SIZE | |
| | | | 3.63 | 396.7 | 507 | 430 | 408 | 392 | 368 | 313 | 282 | 240 | ő | |
| D400 | 4 | 1440 | 4.00 | 360.0 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | 63-100 | 5.0 |
| P120 | 1 | 1440 | 4.50 | 320.0 276.9 | 467 | 396 336 | 376 319 | 361 | 340 | 289 | 260 | 221 187 | 03-100 | 3.0 |
| | | | 5.20 6.25 | 230.4 | 396 294 | 249 | 237 | 306 227 | 288 | 245 182 | 220 163 | 139 | 8. | |
| | | | | | | | 0.000.00 | | | | | | | |
| | | | 13.18 | 109.3 | 507 | 430 | 408 | 392 | 368 | 313 | 282 | 240 | 10 | |
| | | | 14.52 | 99.2 | 507 | 430 | 408 | 392 | 368 | 313 | 282 | 240 | ė | |
| | | | 15.72 | 91.6 | 507 | 430 | 408 | 392 | 368 | 313 | 282 | 240 | ā | |
| | | | 17.32 | 83.1 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | e: | |
| P220 | 2 | 1440 | 18.00 | 80.0 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | 63-80 | 3.0 |
| | 10015 | | 20.25 | 71.1 | 467 | 396 | 376 | 361 | 340 | 289 | 260 | 221 | 0 | 5000 |
| | | | 22.50 | 64.0 | 467 | 396 | 376 | 361 | 340 | 289 | 260 | 221 | 8 | |
| | | | 23.40 | 61.5 | 467 | 396 | 376 | 361 | 340 | 289 | 260 | 221 | 8 | |
| | | | 25.00 | 57.6 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | 6 | |
| | | | 27.00 | 53.3 | 467 | 396 | 376 | 361 | 340 | 289 | 260 | 221 | | |
| | | | 47.83 | 30.1 | 507 | 430 | 408 | 392 | 368 | 313 | 282 | 240 | 5 | |
| | | | 52.71 | 27.3 | 507 | 430 | 408 | 392 | 368 | 313 | 282 | 240 | | - A |
| | | | 60.67 | 23.7 | 507 | 430 | 408 | 392 | 368 | 313 | 282 | 240 | | |
| | | | 69.28 | 20.8 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | | |
| | | | 80.00 | 18.0 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | | |
| | | | 83.20 | 17.3 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | A . | |
| | 255 | 100000000 | 90.00 | 16.0 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | | |
| P320 | 3 | 1440 | 96.00 | 15.0 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | 63-80 | 2.0 |
| | | | 108.16 | 13.3 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | | |
| | | | 120.00 | 12.0 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | | |
| | | | 135.00 | 10.7 | 467 | 396 | 376 | 361 | 340 | 289 | 260 | 221 | | |
| | | | 150.00 | 9.6 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | 6 | |
| | | | 162.00 | 8.9 | 467 | 396 | 376 | 361 | 340 | 289 | 260 | 221 | | |
| | | | 175.78 | 8.2 | 467 | 396 | 376 | 361 | 340 | 289 | 260 | 221 | e. | |
| | | | 203.13 | 7.1 | 396 | 336 | 319 | 306 | 288 | 245 | 220 | 187 | | |
| | | | 196.33 | 7.3 | 507 | 430 | 408 | 392 | 368 | 313 | 282 | 240 | | |
| | | | 220.24 | 6.5 | 507 | 430 | 408 | 392 | 368 | 313 | 282 | 240 | e E | |
| | | | 272.23 | 5.3 | 507 | 430 | 408 | 392 | 368 | 313 | 282 | 240 | | |
| | | | 299.98 | 4.8 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | 8 | |
| | | | 323.74 | 4.4 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | ia su | 10 |
| | | | 346.40 | 4.2 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | 100 | |
| | | | 374.98 | 3.8 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | | |
| | | | 415.68 | 3.5 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | 00 | |
| | | | 450.00 | 3.2 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | | |
| P420 | 4 | 1440 | 480.00 | 3.0 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | 63-71 | 1.5 |
| F420 | _ | 2110 | 500.00 | 2.9 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | 00 /1 | 1.5 |
| | | | 540.00 | 2.7 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | | |
| | | | 580.00 | 2.5 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | | |
| | | | 648.00 | 2.2 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | 8 | |
| | 1 | | 720.00 | 2.0 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | ē. | |
| | A | | 748.80 | 1.9 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | | |
| | | 1 | 810.00 | 1.8 | 467 | 396 | 376 | 361 | 340 | 289 | 260 | 221 | Š | A STATE OF THE PARTY OF THE PAR |
| | | 1 | 864.00 | 1.7 | 470 | 399 | 379 | 364 | 342 | 291 | 262 | 222 | 1 | 7 10 |
| | | N. | 1012.50 | | 467 | 396 | 376 | 361 | 340 | 289 | 260 | 221 | 184 | 1 |
| | | | 1124.20 | 1.3 | 396 | 336 | 319 | 306 | 288 | 245 | 220 | 187 | | |



| | | 1810000 | 1 | OLUTPUT. | PEAK | | NOM | INAL O | UTPUT | TORQUE | , Tn (Nm |) | HOL. | THERMA |
|-------|--------|-----------------|----------------|----------|----------|-----------|----------|--------|------------------------------------|----------|------------|--|---------------|--------|
| MODEL | No. OF | Marine Control | RATIO | OUTPUT | TORQUE, | n2xh | n2xh | | | n2xh | n2xh | n2xh | INPUT | RATING |
| | STAGES | SPEED | | SPEED | Tmax(Nm) | 10000 | | | THE RESERVE OF THE PERSON NAMED IN | | 1000000 | THE RESERVE AND ADDRESS OF THE PERSON NAMED IN | FRAME SIZE | kW |
| | | | 3.63 | 397 | 952 | 808 | 767 | 737 | 693 | 589 | 530 | 450 | | |
| | | | 4.00 | 360 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | 1 | |
| P130 | 1 | 1440 | 4.50 | 320 | 861 | 731 | 694 | 666 | 627 | 533 | 479 | 407 | 80-112 | 7.5 |
| | | | 5.20 | 277 | 627 | 532 | 505 | 485 | 456 | 388 | 349 | 297 | | |
| | | | 6.25 | 230 | 495 | 420 | 399 | 383 | 360 | 306 | 275 | 234 | 1 | |
| | | | 13.18 | 109 | 952 | 808 | 767 | 737 | 693 | 589 | 530 | 450 | | |
| | | | 14.52 | 99 | 952 | 808 | 767 | 737 | 693 | 589 | 530 | 450 | 1 | |
| | | | 15.72 | 92 | 952 | 808 | 767 | 737 | 693 | 589 | 530 | 450 | 1 | |
| | | | 17.32 | 83 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | 1 | |
| | 9101 | (5) (5) (5) (5) | 18.00 | 80 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| P230 | 2 | 1440 | 20.25 | 71 | 861 | 731 | 694 | 666 | 627 | 533 | 479 | 407 | 80-100 | 5.0 |
| | | | 22.50 | 64 | 861 | 731 | 694 | 666 | 627 | 533 | 479 | 407 | | |
| | | | 23.40 | 62 | 861 | 731 | 694 | 666 | 627 | 533 | 479 | 407 | 1 | |
| | | | 25.00 | 58 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | | | 27.00 | 53 | 861 | 731 | 694 | 666 | 627 | 533 | 479 | 407 | | |
| | | | 47.83 | 30 | 952 | 808 | 5-75-7-2 | 737 | 693 | 589 | 530 | 450 | | |
| | 7 | | | 0.000 | 30000000 | CONTRACTO | 767 | 7-3-6 | 22000 | 1((4) 4) | 110-76-765 | | | |
| | | | 52.71 | 27 | 952 | 808 | 767 | 737 | 693 | 589 | 530 | 450 | | |
| | | | 60.67 | 24 | 952 | 808 | 767 | 737 | 693 | 589 | 530 | 450 404 | | |
| | | | 69.28 80.00 | 21 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | | | |
| | | | - Commence | 18 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | | | 83.20 | 17 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| Dago | 2 | 1440 | 90.00 | 16 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | 62.00 | 2.0 |
| P330 | 3 | 1440 | 96.00 | 15 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | 63-90 | 3.0 |
| | | | 108.16 | 13 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | | | 120.00 | 12 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | | | 135.00 | 11 | 861 | 731 | 694 | 666 | 627 | 533 | 479 | 407 | | |
| | | | 150.00 | 10 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | | | 162.00 | 9 | 861 | 731 | 694 | 666 | 627 | 533 | 479 | 407 | | |
| | | | 175.78 | 7 | 861 | 731 | 694 | 666 | 627 | 533 | 479 | 407 | | |
| | | | 203.13 | / | 627 | 532 | 505 | 485 | 456 | 388 | 349 | 297 | | |
| | | | 196.33 | 7 | 952 | 808 | 767 | 737 | 693 | 589 | 530 | 450 | | |
| | | | 220.24 | 7 | 952 | 808 | 767 | 737 | 693 | 589 | 530 | 450 | | |
| | | | 272.23 | 5 | 952 | 808 | 767 | 737 | 693 | 589 | 530 | 450 | | |
| | | | 299.98 | 5 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | 1000 | | 323.74 | 4 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | | | 346.40 | 4 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | | | 374.98 | 4 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | | | 415.68 | 3 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | | | 450,00 | 3 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| P430 | 4 | 1440 | 480.00 | 3 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | 63-80 | 2.0 |
| | | | 500.00 | 3 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | | | 540.00 | 3 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | | | 580.00 | 2 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | | | 648.00 | 2 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | | | 720.00 | 2 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | | | 748.80 | 2 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| 1 | Dec . | | 810.00 | 2 | 861 | 731 | 694 | 666 | 627 | 533 | 479 | 407 | | |
| | | | 864.00 | 2 | 855 | 725 | 689 | 661 | 622 | 528 | 476 | 404 | | |
| | 1 | | 1012.50 | | 861 | 731 | 694 | 666 | 627 | 533 | 479 | 407 | | |
| | | | 1124.20 | 1 | 627 | 532 | 505 | 485 | 456 | 388 | 349 | 297 | | |



| | No OF | INIDILIT | | OLITBUT. | PEAK | | NOM | INAL O | UTPUT | TORQUE | , Tn (Nm |) | HOL. | THERMAI |
|-------|--------|-------------------|------------------|---------------|---|-------------------|--------------------|------------------------------------|------------------------------------|---|---|---------------------|---------------|---------|
| MODEL | No. OF | The second second | RATIO | OUTPUT | TORQUE, | n2xh | n2xh | n2xh | | n2xh | n2xh | n2xh | INPUT | RATING |
| | STAGES | SPEED | | SPEED | Tmax(Nm) | 10000 | 25000 | THE RESERVE OF THE PERSON NAMED IN | THE RESERVE OF THE PERSON NAMED IN | A STATE OF THE PARTY OF | 1000000 | THE PERSON NAMED IN | FRAME SIZE | kW |
| | | | 3.58 | 402.2 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | SILL | |
| | | | 3.91 | 368.3 | 1713 | 1453 | 1381 | 1325 | 1246 | 1059 | 953 | 810 | | |
| | | | 4.35 | 331.0 | 1716 | 1456 | 1383 | 1328 | 1248 | 1061 | 955 | 812 | | |
| P140 | 1 | 1440 | 4.94 | 291.5 | 1325 | 1124 | 1068 | 1025 | 964 | 819 | 737 | 627 | 100-132 | 10.0 |
| | | | 5.79 | 248.7 | 1023 | 868 | 825 | 792 | 744 | 633 | 569 | 484 | | |
| | | | 7.09 | 203.1 | 660 | 560 | 532 | 511 | 480 | 408 | 367 | 312 | | |
| - | | | | | | | | | | | | | | |
| | | | 13.00 | 110.8 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | | |
| | | | 14.00 15.64 | 102.9 92.1 | 1820 1713 | 1544 1453 | 1467 | 1408 | 1324 1246 | 1125 | 1013 953 | 861 810 | | |
| | | | 17.01 | 84.7 | 1713 | 1453 | 1381 | 1325 | 1246 | 1059 | 953 | 810 | | |
| | | | 18.92 | 76.1 | 1716 | 1456 | 1383 | 1328 | 1248 | 1061 | 955 | 812 | | |
| P240 | 2 | 1440 | 20.33 | 70.1 | 1713 | 1453 | 1381 | 1325 | 1246 | 1059 | 953 | 810 | 90-112 | 7.50 |
| | | | 22.64 | 63.6 | 1713 | 1453 | 1381 | 1325 | 1246 | 1059 | 953 | 810 | | |
| | | | 24.44 | 58.9 | 1713 | 1453 | 1381 | 1325 | 1246 | 1059 | 953 | 810 | | |
| | | | 27.72 | 51.9 | 1713 | 1453 | 1381 | 1325 | 1246 | 1059 | 953 | 810 | | |
| | | | 30.84 | 46.7 | 1716 | 1456 | 1383 | 1328 | 1248 | 1061 | 955 | 812 | | |
| | | | All Control | 559000 | 0.7000000000000000000000000000000000000 | V=40-10/38 | Carolina and | 4000 | La College Control | January 1945 | 5500007.0007 | 57(2)65 | | |
| | | | 45.48 | 31.7 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | | |
| | | | 50.16 | 28.7 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | | |
| | | | 55.75 | 25.8 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | | |
| | | | 60.89 | 23.6 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | | |
| | | | 67.72 | 21.3 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | 1 | |
| | | | 76.54 | 18.8 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | | |
| D240 | 2 | 1440 | 79.50 | 18.1 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | 00 100 | 5.00 |
| P340 | 3 | 1440 | 91.49 | 15.7 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | 80-100 | 5.00 |
| | | | 105.73 | 13.6 | 1820 1713 | 1544 | 1467 | 1408 | 1324 1246 | 1125 | 1013 | 861 810 | | |
| | | | 120.59 131.08 | 11.9 11.0 | 1713 | 1453 1453 | 1381 | 1325 | 1246 | 1059 1059 | 953 953 | 810 | | |
| | | | 146.63 | 9.8 | 1713 | 1453 | 1381 | 1325 | 1246 | 1059 | 953 | 810 | | |
| | | | 169.92 | 8.5 | 1716 | 1456 | 1383 | 1328 | 1248 | 1061 | 955 | 812 | | |
| | | | 218.67 | 6.6 | 1716 | 1456 | 1383 | 1328 | 1248 | 1061 | 955 | 812 | | |
| | | | 248.32 | 5.8 | 1325 | 1124 | 1068 | 1025 | 964 | 819 | 737 | 627 | | |
| | | | | | | | | | | | | | | |
| | | | 205.06 | 7.0 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | | |
| | | | 223.96 | 6.4 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | | |
| | | | 235.87 | 5.7 | 1820 | 1544 | 1467 | 1408 1408 | 1324 1324 | 1125 1125 | 1013 | 861 861 | 1 | |
| | | | 250.81 | 14.4 miles | 1820 | District Addition | THE REAL PROPERTY. | the state of the state of | Section 10 and | CONTRACTOR OF THE PARTY OF THE | 100000000000000000000000000000000000000 | Sept. March | | |
| | | | 281.35 309.58 | 5.1 4.7 | 1820 1713 | 1544 1453 | 1467 | 1408 | 1324 1246 | 1125 | 1013 953 | 861 810 | | |
| | | | 338.61 | 4.3 | 1713 | 1453 | 1381 | 1325 | 1246 | 1059 | 953 | 810 | | |
| | | | 372.32 | 3.9 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | | |
| | | | 406.64 | 3.5 | 1713 | 1453 | 1381 | 1325 | 1246 | 1059 | 953 | 810 | | |
| | | | 467.83 | 3.1 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | | |
| P440 | 4 | 1440 | 487.97 | 3.0 | 1713 | 1453 | 1381 | 1325 | 1246 | 1059 | 953 | 810 | 71-90 | 3.0 |
| | | | 522.29 | 2.8 | 1713 | 1453 | 1381 | 1325 | 1246 | 1059 | 953 | 810 | | |
| | | - | 563.04 | 2.6 | 1713 | 1453 | 1381 | 1325 | 1246 | 1059 | 953 | 810 | | |
| | | A | 608.32 | 2.4 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | | |
| | 1/1 | | 698.10 | 2.1 | 1820 | 1544 | 1467 | 1408 | 1324 | 1125 | 1013 | 861 | | |
| | A | | 754.51 | 1.9 | 1713 | 1453 | 1381 | 1325 | 1246 | 1059 | 953 | 810 | | |
| | 4 | | 884.33 | 1.6 | 1713 | 1453 | 1381 | 1325 | 1246 | 1059 | 953 | 810 | | |
| | | | 983.85 | 1.5 | 1716 | 1456 | 1383 | 1328 | 1248 | 1061 | 955 | 812 | - 2 | |
| | | | 1019.53 | 1.4 | 1716 | 1456 | 1383 | 1328 | 1248 | 1061 | 955 | 812 | | |
| | | | 1157.81 | 1.2 | 1325 | 1124 | 1068 | 1025 | 964 | 819 | 737 | 627 | | |



| | | | | OLIZE: | PEAK | | NOM | IINAL O | UTPUT | TORQUE | , Tn (Nm | | HOL. | THERMA |
|---------------|--------|---------------|---------------|--------|-------------|---------------|---|---------|------------|-------------------------|----------|---|---------|--------|
| MODEL | No. OF | Autorit Cont. | RATIO | OUTPUT | TORQUE, | n2xh | - | n2xh | n2xh | n2xh | n2xh | n2xh | INPUT | RATING |
| | STAGES | SPEED | | SPEED | Tmax(Nm) | THE REPORT OF | THE PERSON NAMED IN | | | STREET, SQUARE, SQUARE, | 1000000 | DESCRIPTION OF THE PERSON NAMED IN COLUMN 1 | FRAME | kW |
| | | | 3.72 | 387 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | JILL | |
| | | 8 | 4.09 | 352 | 2595 | 2202 | 2092 | 2008 | 1888 | 1605 | 1444 | 1228 | 2 | |
| D4.45 | | 3 | 4.58 | 314 | 2305 | 1956 | 1858 | 1784 | 1677 | 1425 | 1283 | 1090 | | |
| P145 | 1 | 1440 | 5.25 | 274 | 1724 | 1463 | 1390 | 1334 | 1254 | 1066 | 959 | 816 | 112-160 | 12.5 |
| | | | 6.23 | 231 | 1228 | 1042 | 990 | 950 | 893 | 759 | 683 | 581 | - | |
| | | S | 7.80 | 185 | 853 | 724 | 688 | 660 | 620 | 527 | 475 | 403 | | |
| | | | 13.84 | 104 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | | |
| | | | 16.18 | 89 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | | |
| | | 1 | 18.38 | 78 | 2848 | 2416 | 2296 | 2204 | 2072 | 1555-30765516 | 1585 | 1347 | 0. | |
| | | | 23.18 | 62 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 1761 | 1585 | 1347 | Ŷ | |
| | | | 26.37 | 55 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | | |
| P245 | 2 | 1440 | 29.02 | 50 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | 100-132 | 10.0 |
| | | 1 | 32.47 | 44 | 2305 | 1956 | 1858 | 1784 | 1677 | 1425 | 1283 | 1090 | i i | |
| | | 9 | 35.72 | 40 | 2305 | 1956 | 1858 | 1784 | 1677 | 1425 | 1283 | 1090 | E | |
| | | 1 | 37.22 | 39 | 2305 | 1956 | 3318 | 3185 | 2994 | 2545 | 2290 | 1947 | 1.2 | |
| Parameter St. | | | 40.95 | 35 | 2305 | 1956 | 3318 | 3185 | 2994 | 2545 | 2290 | 1947 | É | |
| | | | 101-22-065431 | 17.50 | 74074700000 | 3217/822000 | 0.0000000000000000000000000000000000000 | | 91/01×04/1 | | 23932202 | 2 8 9 4 7 5 4 X | | |
| | | | 56.87 | 25 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | (Z | |
| | 1 | , | 65.45 | 22 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | | |
| | 1 | | 77.39 | 19 | 2595 | 2202 | 2092 | 2008 | 1888 | 1605 | 1444 | 1228 | | |
| | A | | 87.89 | 16 | 2595 | 2202 | 2092 | 2008 | 1888 | 1605 | 1444 | 1228 | | |
| | | | 95.56 | 15 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | | |
| | | 1 | 106.40 | 14 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | ÷ | |
| | | | 114.86 | 13 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | | |
| P345 | 3 | 1440 | 124.71 | 12 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | 90-112 | 7.5 |
| | | | 137.11 | 11 | 2595 | 2202 | 2092 | 2008 | 1888 | 1605 | 1444 | 1228 | R | |
| | | | 143.25 | 10 | 2595 | 2202 | 2092 | 2008 | 1888 | 1605 | 1444 | 1228 | | |
| | | | 153.54 | 9 | 2305 | 1956 | 1858 | 1784 | 1677 | 1425 | 1283 | 1090 | § | |
| | | 1 | 167.06 | 9 | 2595 | 2202 | 2092 | 2008 | 1888 | 1605 | 1444 | 1228 | 8 | |
| | | | 188.01 | 8 | 2305 | 1956 | 1858 | 1784 | 1677 | 1425 | 1283 | 1090 | ē. | |
| | | | 205.60 | 7 | 2595 | 2202 | 2092 | 2008 | 1888 | 1605 | 1444 | 1228 | e. | |
| | | | 230.23 | 6 | 2305 | 1956 | 1858 | 1784 | 1677 | 1425 | 1283 | 1090 | | |
| | | | 232.72 | 6 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | | |
| | | | 261.81 | 6 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | | |
| | | | 327.69 | 4 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | i i | |
| | | | 378.66 | 4 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | | |
| | | | 436.91 | 3 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | | |
| | | b | 481.08 | 3 | 2595 | 2202 | 2092 | 2008 | 1888 | 1605 | 1444 | 1228 | | |
| | | | 525.92 | 3 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | | |
| | | | 578.22 | 2 | 2595 | 2202 | 2092 | 2008 | 1888 | 1605 | 1444 | 1228 | | |
| | | | 632.11 | 2 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | | |
| P445 | 4 | 1440 | 664.63 | 2 | 2595 | 2202 | 2092 | 2008 | 1888 | 1605 | 1444 | 1228 | 80-100 | 5.0 |
| | N. 100 | 700000 | 694.98 | 2 | 2595 | 2202 | 2092 | 2008 | 1888 | 1605 | 1444 | 1228 | | 5600 |
| | | , | 717.84 | 2 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | | |
| | | | 743.06 | 2 | 2305 | 1956 | 1858 | 1784 | 1677 | 1425 | 1283 | 1090 | | |
| | | | 789.24 | 2 | 2595 | 2202 | 2092 | 2008 | 1888 | 1605 | 1444 | 1228 | | |
| | | | 841.36 | 2 | 2848 | 2416 | 2296 | 2204 | 2072 | 1761 | 1585 | 1347 | | |
| | | | 883.80 | 2 | 2305 | 1956 | 1858 | 1784 | 1677 | 1425 | 1283 | 1090 | 100 | |
| 1 | | | 925.04 | 2 | 2595 | 2202 | 2092 | 2008 | 1888 | 1605 | 1444 | 1228 | | |
| | | | 958.59 | 2 | 2595 | 2202 | 2092 | 2008 | 1888 | 1605 | 1444 | 1228 | | |
| | | | 1035.87 | 1 | 2305 | 1956 | 1858 | 1784 | 1677 | 1425 | 1283 | 1090 | | |
| | | | 1073.44 | 1 | 2305 | 1956 | 1858 | 1784 | 1677 | 1425 | 1283 | 1090 | | |



| | | | | | PEAK | | NOM | INAL O | UTPUT | TORQUE | , Tn (Nm) | Ý | HOL. | THERMAL |
|-------|--------|--|---------|-----------|-----------------|--|---------------------|---|---|--------|-----------|--|---------------|--|
| MODEL | No. OF | THE SAME DESCRIPTION OF THE PERSON OF THE PE | RATIO | OUTPUT | TORQUE, | n2xh | 1000 | n2xh | n2xh | n2xh | n2xh | n2xh | INPUT | RATING |
| | STAGES | SPEED | | SPEED | Tmax(Nm) | THE RESIDENCE OF THE PARTY OF T | THE PERSON NAMED IN | | THE RESERVE AND ADDRESS OF THE PARTY OF THE | | 1000000 | THE PARTY OF THE P | FRAME SIZE | kW |
| | | | 3.58 | 402.2 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | | 8 | 3.91 | 368.3 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | | |
| | | 4 | 4.35 | 331.0 | 3665 | 3109 | 2954 | 2836 | 2666 | 2266 | 2039 | 1733 | | |
| P150 | 1 | 1440 | 4.94 | 291.5 | 2866 | 2432 | 2310 | 2218 | 2085 | 1772 | 1595 | 1356 | 132-180 | 15.0 |
| | | | 5.79 | 248.7 | 2185 | 1854 | 1761 | 1690 | 1589 | 1351 | 1216 | 1033 | | |
| | | 68 | 7.09 | 203.1 | 1280 | 1086 | 1032 | 991 | 931 | 792 | 712 | 606 | * | |
| | | | | 110.8 | 3993 | | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | | 38 | 13.00 | 102.9 | 3993 | 3388 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | | (3) | 15.64 | 92.1 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | F | |
| | | (9 | 17.01 | 84.7 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | | |
| | | 8 | 18.92 | 76.1 | 3665 | 3109 | 2954 | 2836 | 2666 | 2266 | 2039 | 1733 | | |
| P250 | 2 | 1440 | 20.33 | 70.1 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | 100-132 | 12.5 |
| | | - 8 | 22.64 | 63.6 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | | |
| | | ä | 24.44 | 58.9 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | | |
| | | 33 | 27.72 | 51.9 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | | |
| | | 18 | 30.84 | 46.7 | 3665 | 3109 | 2954 | 2836 | 2666 | 2266 | 2039 | 1733 | | |
| | | | | 52475-732 | #14500 PERSON V | 000000000000000000000000000000000000000 | (C) | 200000000000000000000000000000000000000 | III GENERALE | 20202 | ISNUM-BUT | estamentonomon | | |
| | | 8 | 45.48 | 31.7 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | | 8 | 50.16 | 28.7 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | | s | 55.75 | 25.8 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | . / | |
| | | 8 | 60.89 | 23.6 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | | 9 | 67.72 | 21.3 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | | 93 | 76.54 | 18.8 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | _ | | 79.50 | 18.1 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| P350 | 3 | 1440 | 91.49 | 15.7 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | 90-112 | 7.5 |
| | | 8 | 105.73 | 13.6 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | | 8 | 120.59 | 11.9 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | £ | |
| | | | 131.08 | 11.0 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | | |
| | | 8 | 146.63 | 9.8 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | | |
| | | 8 | 169.92 | 8.5 | 3665 | 3109 | 2954 | 2836 | 2666 | 2266 | 2039 | 1733 | | |
| | | 8 | 218.67 | 6.6 | 3665 | 3109 | 2954 | 2836 | 2666 | 2266 | 2039 | 1733 | | |
| | | | 248.32 | 5.8 | 2866 | 2432 | 2310 | 2218 | 2085 | 1772 | 1595 | 1356 | | |
| | | | 205.06 | 7.0 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | | 8 | 223.96 | 6.4 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | | 58 | 235.87 | 6.1 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | · · | |
| | | 88 | 250.81 | 5.7 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | | 10 | 281.35 | 5.1 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | Section 1 |
| | | 99 | 309.58 | 4.7 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | Section 1 | |
| | | 5 | 338.61 | 4.3 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | | |
| | | 8 | 372.32 | 3.9 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | | 8 | 406.64 | 3.5 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | | |
| P450 | 4 | 1440 | 467.83 | 3.1 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | 80-100 | 5.0 |
| | | 2 | 487.97 | 3.0 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | | |
| | | | 522.29 | 2.8 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | | |
| | | 1 | 563.04 | 2.6 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | 9 | |
| | | A a | 608.32 | 2.4 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | | 8 | 698.10 | 2.1 | 3993 | 3388 | 3219 | 3090 | 2904 | 2469 | 2222 | 1889 | | |
| | 4 | | 754.51 | 1.9 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | | |
| | | | 884.33 | 1.6 | 4196 | 3560 | 3382 | 3247 | 3052 | 2594 | 2335 | 1985 | | |
| | | | 983.85 | 1.5 | 3665 | 3109 | 2954 | 2836 | 2666 | 2266 | 2039 | 1733 | | No. of Concession, Name of Street, or other party of the Concession, Name of Street, or other pa |
| | | - 1 | 1019.53 | | 3665 | 3109 | 2954 | 2836 | 2666 | 2266 | 2039 | 1733 | | |
| | | | 1157.81 | 1.2 | 2866 | 2432 | 2310 | 2218 | 2085 | 1772 | 1595 | 1356 | | |



| | | | | | PEAK | | NOM | INAL O | UTPUT | TORQUE | , Tn (Nm) | | HOL. | THERMAL |
|------------|--------|-------------------|-------------------|--------|--------------|--------------------|--------------|----------------------|-------------------|---|--|---------------------------|---------|---------|
| MODEL | No. OF | A STATE OF STREET | RATIO | OUTPUT | TORQUE, | n2xh | n2xh | n2xh | n2xh | n2xh | n2xh | n2xh | INPUT | RATING |
| | STAGES | SPEED | | SPEED | Tmax(Nm) | THE REAL PROPERTY. | 25000 | | The second second | The second second | 1000000 | THE RESERVE OF THE PERSON | FRAME | kW |
| | | | 0.70 | 207 | | | | Test commercial or " | | THE RESERVE OF THE PERSON NAMED IN COLUMN 1 | and the land of th | 20000000000 | SIZE | |
| | | | 3.72 | 387 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | | |
| | | | 4.09 | 352 | 5372 | 4558 | 4330 | 4157 | 3908 | 3322 | 2989 | 2541 | | |
| P155 | 1 | 1440 | 4.58 | 314 | 4610 | 3912 | 3716 | 3567 | 3353 | 2850 | 2565 | 2181 | 132-180 | 20.0 |
| | | | 5.25 | 274 | 3676 | 3119 | 2963 | 2845 | 2674 | 2273 | 2046 | 1739 | | |
| | | | 6.23 | 231 | 2591 | 2198 | 2088 | 2005 | 1884 | 1602 | 1441 | 1225 | | |
| | | | 7.80 | 185 | 1536 | 1303 | 1238 | 1189 | 1117 | 950 | 855 | 727 | | |
| | | | 13.84 | 104 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | | |
| | | | 16.18 | 89 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | | |
| | | | 18.38 | 78 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | | |
| | | | 23.18 | 62 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | | |
| P255 | 2 | 1440 | 26.37 | 55 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | 112-160 | 12.5 |
| | | | 29.02 | 50 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | | |
| | | | 32.47 | 44 | 4610 | 3912 | 3716 | 3567 | 3353 | 2850 | 2565 | 2181 | | |
| | | | 35.72 | 40 | 4610 | 3912 | 3716 | 3567 | 3353 | 2850 | 2565 | 2181 | | |
| Difference | 2.0 | | 37.22 | 39 | 4610 | 3912 | 3318 | 3185 | 2994 | 2545 | 2290 | 1947 | | |
| | | | 40.95 | 35 | 4610 | 3912 | 3318 | 3185 | 2994 | 2545 | 2290 | 1947 | | |
| /- | | | 56.87 | 25 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | | |
| | | | 65.45 | 22 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | 1 | |
| | | | 77.39 | 19 | 5372 | 4558 | 4330 | 4157 | 3908 | 3322 | 2989 | 2541 | 1 | |
| | | | 87.89 | 16 | 5372 | 4558 | 4330 | 4157 | 3908 | 3322 | 2989 | 2541 | 1 | |
| | | | 95.56 | 15 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | 1 | |
| | | | 106.40 | 14 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | 1 | |
| | | | 114.86 | 13 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | | |
| P355 | 3 | 1440 | 124.71 | 12 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | 90-132 | 12.5 |
| | | | 137.11 | 11 | 5372 | 4558 | 4330 | 4157 | 3908 | 3322 | 2989 | 2541 | | |
| | | | 143.25 | 10 | 5372 | 4558 | 4330 | 4157 | 3908 | 3322 | 2989 | 2541 | | |
| | | | 153.54 | 9 | 4610 | 3912 | 3716 | 3567 | 3353 | 2850 | 2565 | 2181 |] | |
| | | | 167.06 | 9 | 5372 | 4558 | 4330 | 4157 | 3908 | 3322 | 2989 | 2541 | | |
| | | | 188.01 | 8 | 4610 | 3912 | 3716 | 3567 | 3353 | 2850 | 2565 | 2181 | | |
| | | | 205.60 | 7 | 5372 | 4558 | 4330 | 4157 | 3908 | 3322 | 2989 | 2541 |] | |
| | | | 230.23 | 6 | 4610 | 3912 | 3716 | 3567 | 3353 | 2850 | 2565 | 2181 | | |
| | | | 232.72 | 6 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | | |
| | 1 | | 261.81 | 6 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | 1 | |
| | | | 327.69 | 4 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | 1 | |
| | | \ | 378.66 | 4 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | i I | |
| | | | 436.91 | 3 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | 1 | |
| | | | 481.08 | 3 | 5372 | 4558 | 4330 | 4157 | 3908 | 3322 | 2989 | 2541 | 1 | |
| | | - | 525.92 | 3 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | 1 | |
| | | | 578.22 | 2 | 5372 | 4558 | 4330 | 4157 | 3908 | 3322 | 2989 | 2541 | 1 | |
| | | | 632.11 | 2 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | 1 | |
| | | | 664.63 | 2 | 5372 | 4558 | 4330 | 4157 | 3908 | 3322 | 2989 | 2541 | | |
| P455 | 4 | 1440 | 694.98 | 2 | 5372 | 4558 | 4330 | 4157 | 3908 | 3322 | 2989 | 2541 | 80-112 | 7.5 |
| | | | 717.84 | 2 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | 1 | |
| | | | 743.06 | 2 | 4610 | 3912 | 3716 | 3567 | 3353 | 2850 | 2565 | 2181 | 1 | |
| | | | 789.24 | 2 | 5372 | 4558 | 4330 | 4157 | 3908 | 3322 | 2989 | 2541 | 1 | |
| | | | 841.36 | 2 | 5699 | 4836 | 4594 | 4410 | 4145 | 3524 | 3171 | 2696 | | |
| | | | 883.80 | 2 | 4610 | 3912 | 3716 | 3567 | 3353 | 2850 | 2565 | 2181 | | |
| 1000 | | | 925.04 | 2 | 5372 | 4558 | 4330 | 4157 | 3908 | 3322 | 2989 | 2541 | | |
| | Co | | | | | | | | | | | | t | |
| | | | 958.59 | 2 | 5372 | 4558 | 4330 | 4157 | 3908 | 3322 | 2989 | 2541 | | |
| | | | 958.59 1035.87 | 2 | 5372 4610 | 4558 3912 | 4330 3716 | 4157 3567 | 3908 3353 | 3322 2850 | 2989 2565 | 2541 2181 | | |



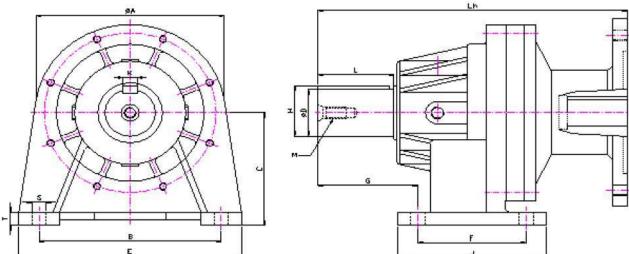
| | N OF | INIDI IT | | OLITPLIT | PEAK | | NOM | IINAL C | UTPUT | TORQUI | E, Tn (Nm | 1) | HOL. | THERMAL |
|-------|--------|--|--------------|----------------|--------------|-----------------------|----------------|-------------------|--|--------------------|--------------|--------------|---------------|---------|
| MODEL | No. OF | Contract of the Contract of th | RATIO | OUTPUT | TORQUE, | n2xh | | | n2xh | n2xh | n2xh | n2xh | INPUT | RATING |
| | STAGES | SPEED | | SPEED | Tmax(Nm) | STATE OF THE PARTY OF | BURNING STREET | The second second | THE RESERVE OF THE PARTY OF THE | DATES AND A VENEZA | 1000000 | 5000000 | FRAME SIZE | kW |
| | | | 2.60 | 200.2 | 100 | | | | | | - | | SIEC | |
| | | | 3.69 | 390.2 | 7475 | 6342 | 6025 | 5784 | 5437 | 4621 | 4159 | 3535 | 9: | |
| | | | 4.04 | 356.4 | 8517 | 7227 | 6865 5755 | 6591 5525 | 6195 | 5266 | 4739 | 4029 | | |
| P160 | 1 | 1440 | 4.50 5.12 | 320.0 281.3 | 7140 5879 | 6058 4988 | 4739 | 4549 | 5193 4276 | 3635 | 3973 3271 | 3377 2781 | 160-200 | 25.0 |
| | | | 6.00 | 240.0 | 4203 | 3566 | 3388 | 3252 | 3057 | 2598 | 2339 | 1988 | 8 | |
| | | 1 | 7.36 | 195.7 | 2660 | 2257 | 2144 | 2058 | 1935 | 1645 | 1480 | 1258 | 8 | |
| | | | | | | | | | | | | | | - |
| | | | 14.43 | 99.8 | 7475 | 6342 | 6025 | 5784 | 5437 | 4621 | 4159 | 3535 | ž. | |
| | | | 16.32 | 88.2 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | 5 | |
| | | | 17.57 | 82.0 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | S | |
| | | | 19.96 | 72.1 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | #1 15 | |
| P260 | 2 | 1440 | 20.68 | 69.6 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | 132-180 | 20.0 |
| | | PORT - CONT. | 22.23 | 64.8 | 7140 | 6058 | 5755 | 5525 | 5193 | 4414 | 3973 | 3377 | 5 | |
| | | | 24.24 | 59.4 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | : | |
| | | | 28.64 | 50.3 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | į. | |
| | | | 33.12 | 43.5 | 7140 | 6058 | 5755 | 5525 | 5193 | 4414 | 3973 | 3377 | × 1 | |
| | | | 37.68 | 38.2 | 5879 | 4988 | 4739 | 4549 | 4276 | 3635 | 3271 | 2781 | | |
| | | | 53.24 | 27.0 | 7475 | 6342 | 6025 | 5784 | 5437 | 4621 | 4159 | 3535 | | |
| | | | 65.94 | 21.8 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | | |
| | | | 73.45 | 19.6 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | | |
| | | | 80.63 | 17.9 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | | |
| | | | 86.82 | 16.6 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | | |
| | | | 94.50 | 15.2 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | | |
| | | | 103.78 | 13.9 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | | |
| P360 | 3 | 1440 | 121.50 | 11.9 | 7140 | 6058 | 5755 | 5525 | 5193 | 4414 | 3973 | 3377 | 100-132 | 10.0 |
| | | | 145.44 | 9.9 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | | |
| | | | 165.85 | 8.7 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | | |
| | | | 178.41 | 8.1 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | | |
| | | | 191.43 | 7.5 | 7140 | 6058 | 5755 | 5525 | 5193 | 4414 | 3973 | 3377 | | |
| | | | 226.21 | 6.4 | 7140 | 6058 | 5755 | 5525 | 5193 | 4414 | 3973 | 3377 | | |
| | | | 243.76 | 5.9 | 7140 | 6058 | 5755 | 5525 | 5193 | 4414 | 3973 | 3377 | | |
| | | | 267.17 | 5.4 | 5879 | 4988 | 4739 | 4549 | 4276 | 3635 | 3271 | 2781 | | |
| | | | 218.56 | 6.6 | 7475 | 6342 | 6025 | 5784 | 5437 | 4621 | 4159 | 3535 | | |
| | | 1 | 249.89 | 5.8 | 7475 | 6342 | 6025 | 5784 | 5437 | 4621 | 4159 | 3535 | | |
| | | | 286.84 | 5.0 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | | |
| | | | 325.74 | 4.4 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | | |
| | | 1 | 355.87 | 4.0 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | 0 | 19 |
| | | 1 | 404.14 | 3.6 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | 1 | |
| | | | 434.03 | 3.3 | 7475 | 6342 | 6025 | 5784 | 5437 | 4621 | 4159 | 3535 | | |
| | | | 467.51 | 3.1 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | | |
| | | | 527.61 | 2.7 | 7140 | 6058 | 5755 | 5525 | 5193 | 4414 | 3973 | 3377 | | |
| | | | 558.96 | 2.6 | 7475 | 6342 | 6025 | 5784 | 5437 | 4621 | 4159 | 3535 | | |
| P460 | 4 | 1440 | 592.43 | 2.4 | 7475 | 6342 | 6025 | 5784 | 5437 | 4621 | 4159 | 3535 | 90-112 | 7.5 |
| | | 1 | 633.36 | 2.3 | 7475 | 6342 | 6025 | 5784 | 5437 | 4621 | 4159 | 3535 | 8. | |
| | | | 659.95 | 2.2 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | 8 | |
| | | / | 694.32 | 2.1 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | | |
| | | P = 8 | 772.40 | 1.9 | 7140 | 6058 | 5755 | 5525 | 5193 | 4414 | 3973 | 3377 | | |
| | 1 | | 861.44 | 1.7 | 7140 | 6058 | 5755 | 5525 | 5193 | 4414 | 3973 | 3377 | 2 | |
| | 4 | le le | 977.06 | 1.5 | 7140 | 6058 | 5755 | 5525 | 5193 | 4414 | 3973 | 3377 | - | 1 |
| | | | 1112.90 | 1.3 | 7475 | 6342 | 6025 | 5784 | 5437 | 4621 | 4159 | 3535 | - 2 | |
| | | 1 | 1218.50 | 1.2 | 8517 | 7227 | 6865 | 6591 | 6195 | 5266 | 4739 | 4029 | 1 | |
| | | | 1357.20 | 1.1 | 7140 | 6058 | 5755 | 5525 | 5193 | 4414 | 3973 | 3377 | / / | 6 |



| | | | | | PEAK | | NOM | IINAL O | UTPUT | TORQUE | , Tn (Nm) | lu . | HOL. | THERMAL |
|--|--------|----------------|---------|--------|----------|--------------------|-------------------|---|--------|-----------------------------|-----------|--------------|---------------|---------|
| MODEL | No. OF | Assert Control | RATIO | OUTPUT | TORQUE, | n2xh | | n2xh | n2xh | n2xh | n2xh | n2xh | INPUT | RATING |
| I HILLAND | STAGES | SPEED | | SPEED | Tmax(Nm) | | The second second | 100000000000000000000000000000000000000 | 100000 | and the same of the same of | 1000000 | BERNAND BOOK | FRAME SIZE | kW |
| | | | 3.69 | 390.2 | 13332 | 11312 | | 10317 | 9698 | 8243 | 7419 | 6306 | JILL | |
| | | ŝ | 4.04 | 356.4 | 14380 | 12201 | | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| | | 8 | 4.50 | 320.0 | 11575 | 9821 | 9330 | 8957 | 8419 | 7156 | 6441 | 5475 | | |
| P170 | 1 | 1440 | 5.12 | 281.3 | 9801 | 8316 | 7900 | 7584 | 7129 | 6060 | 5454 | 4636 | 132-250 | 40.0 |
| | | 8 | 6.00 | 240.0 | 7227 | 6132 | 5825 | 5592 | 5257 | 4468 | 4021 | 3418 | 7 | |
| | | ě | 7.36 | 195.7 | 4868 | 4130 | 3924 | 3767 | 3541 | 3009 | 2709 | 2302 | | |
| | | | | | | | | | | | | | | |
| | | S | 14.43 | 99.8 | 13332 | | 10746 | | 9698 | 8243 | 7419 | 6306 | ; | |
| | | 33 | 16.32 | 88.2 | 14380 | | 11591 | | 10460 | 8891 | 8002 | 6801 | | |
| | | 19 | 17.57 | 82.0 | 14380 | | 11591 | | 10460 | 8891 | 8002 | 6801 | | |
| | | 2 | 19.96 | 72.1 | 14380 | 0.5000000000 | 11591 | | 10460 | 8891 | 8002 | 6801 | 2. | |
| P270 | 2 | 1440 | 20.68 | 69.6 | 14380 | 12201 | 20711-020-0001 | 11127 | 10460 | 8891 | 8002 | 6801 | 112-180 | 25.0 |
| | | 8 | 22.23 | 64.8 | 11575 | 9821 | 9330 | 8957 | 8419 | 7156 | 6441 | 5475 | | |
| | | ä | 24.24 | 59.4 | 14380 | 12201 | 11591 | | 10460 | 8891 | 8002 | 6801 | 9 | |
| | | 8 | 28.64 | 50.3 | 14380 | 12201 | | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| Distance | | | 33.12 | 43.5 | 11575 | 9821 | 9330 | 8957 | 8419 | 7156 | 6441 | 5475 | | |
| 1 | | | 37.68 | 38.2 | 9801 | 8316 | 7900 | 7584 | 7129 | 6060 | 5454 | 4636 | | |
| | | = | 53.24 | 27.0 | 13332 | 11312 | 10746 | 10317 | 9698 | 8243 | 7419 | 6306 | | |
| | | | 65.94 | 21.8 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| | | l ĵ | 73.45 | 19.6 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| | | | 80.63 | 17.9 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| | | | 86.82 | 16.6 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| | | | 94.50 | 15.2 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| | | | 103.78 | 13.9 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| P370 | 3 | 1440 | 121.50 | 11.9 | 11571 | 9818 | 9327 | 8954 | 8417 | 7154 | 6439 | 5473 | 90-132 | 15.0 |
| | | | 145.44 | 9.9 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| | | | 165.85 | 8.7 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| | | j | 178.41 | 8.1 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| | | | 191.43 | 7.5 | 11575 | 9821 | 9330 | 8957 | 8419 | 7156 | 6441 | 5475 | | |
| | | | 226.21 | 6.4 | 11575 | 9821 | 9330 | 8957 | 8419 | 7156 | 6441 | 5475 | | |
| | | | 243.76 | 5.9 | 11575 | 9821 | 9330 | 8957 | 8419 | 7156 | 6441 | 5475 | | |
| | | | 267.17 | 5.4 | 9801 | 8316 | 7900 | 7584 | 7129 | 6060 | 5454 | 4636 | | |
| | | | 218.56 | 6.6 | 13332 | 11312 | 10746 | 10317 | 9698 | 8243 | 7419 | 6306 | | |
| | | 3 | 249.89 | 5.8 | 13332 | 11312 | 10746 | 10317 | 9698 | 8243 | 7419 | 6306 | | |
| | | | 286.84 | 5.0 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| The same of the sa | | | 325.74 | 4.4 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| | | | 355.87 | 4.0 | 14380 | THE PARTY NAMED IN | 11591 | DESCRIPTION OF | 10460 | 8891 | 8002 | 6801 | | |
| 1 | | | 404.14 | 3.6 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| | | | 434.03 | 3.3 | 13134 | 11144 | 10587 | 10163 | 9554 | 8120 | 7308 | 6212 | 2 | |
| | | - 4 | 467.51 | 3.1 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| | | 8 | 527.61 | 2.7 | 11575 | 9821 | 9330 | 8957 | 8419 | 7156 | 6441 | 5475 | | |
| D470 | | 1440 | 558.96 | 2.6 | 13332 | 11312 | 10746 | 10317 | 9698 | 8243 | 7419 | 6306 | 00 122 | 10 |
| P470 | 4 | 1440 | 592.43 | 2.4 | 13332 | 11312 | 10746 | 10317 | 9698 | 8243 | 7419 | 6306 | 90-132 | 10 |
| | | | 633.36 | 2.3 | 13332 | 11312 | 10746 | 10317 | 9698 | 8243 | 7419 | 6306 | | |
| | | | 659.95 | 2.2 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| | | 8 | 694.32 | 2.1 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | N . | |
| | | 3 | 772.40 | 1.9 | 11575 | 9821 | 9330 | 8957 | 8419 | 7156 | 6441 | 5475 | | |
| | | | 861.44 | 1.7 | 11575 | 9821 | 9330 | 8957 | 8419 | 7156 | 6441 | 5475 | | |
| | | | 977.06 | 1.5 | 11575 | 9821 | 9330 | 8957 | 8419 | 7156 | 6441 | 5475 | | |
| | | | 1112.90 | 1.3 | 13332 | 11312 | 10746 | 10317 | 9698 | 8243 | 7419 | 6306 | | |
| | 100 | | 1218.50 | 1.2 | 14380 | 12201 | 11591 | 11127 | 10460 | 8891 | 8002 | 6801 | | |
| | | No. | 1357.20 | 1.1 | 11575 | 9821 | 9330 | 8957 | 8419 | 7156 | 6441 | 5475 | | |

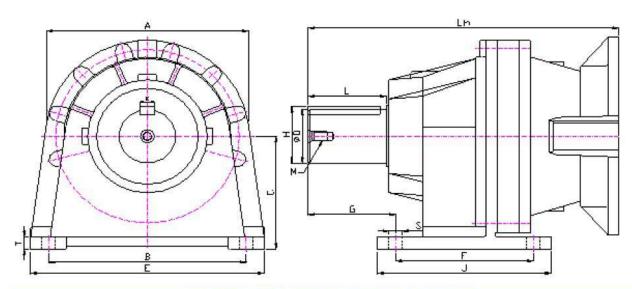


| | No OF | INIDILIT | | ОПТРИТ | PEAK | | NOM | INAL O | UTPUT | ORQUE | Tn (Nm) | | HOL. | THERMAI |
|----------|--------|----------|------------------|--|--------------------------------|--|--|--|--|----------------|---------------------------|--------------|----------------|---------|
| MODEL | No. OF | 200 | RATIO | and the last of th | TORQUE, | n2xh | n2xh | n2xh | n2xh | n2xh | n2xh | n2xh | FRAME | RATING |
| | STAGES | SPEED | | SPEED | Tmax(Nm) | 10000 | 25000 | 50000 | 100000 | 500000 | 1000000 | 5000000 | SIZE | kW |
| | | | 3.69 | 390.2 | 20201 | | 15/126 | 14809 | 13921 | 11832 | 10649 | 9052 | | |
| | | 8 | 4.04 | 356.4 | 21681 | | 17476 | 2 0 | 15771 | 13405 | 12064 | 10255 | | |
| | 1 1 | 8 | 4.50 | 320.0 | 18218 | Control of the last of the las | 14685 | | 13251 | 11264 | 10137 | 8617 | | |
| P180 | 1 | 1440 | 5.12 | 281.3 | 14840 | 12592 | 11962 | 11484 | 10795 | 9175 | 8258 | 7019 | 160-250 | 50.0 |
| | | 3 | 6.00 | 240.0 | 10504 | 8912 | 8467 | 8128 | 7640 | 6494 | 5845 | 4968 | | |
| | | 8 | 7.36 | 195.7 | 6849 | 5811 | 5521 | 5300 | 4982 | 4235 | 3811 | 3240 | | |
| | | | | | | | 16283 | | 14694 | | 11241 | 9555 | | |
| | | 8 | 14.43 | 99.8 88.2 | 20201 | 200 march | 17476 | | 15771 | 12490 13405 | 12064 | 10255 | | |
| | | 8 | 17.57 | 82.0 | 21681 | | 17476 | | 15771 | 13405 | 12064 | 10255 | | |
| | | 8 | 19.96 | 72.1 | 21681 | | 17476 | | 15771 | 13405 | 12064 | 10255 | | |
| | - | | 20.68 | 69.6 | 21681 | | 17476 | 16777 | 15771 | 13405 | 12064 | 10255 | F. Talamandala | |
| P280 | 2 | 1440 | 22.23 | 64.8 | 18218 | and the property | 14685 | Property and the | 13251 | 11264 | 10137 | 8617 | 132-200 | 25.0 |
| | | 1 | 24.24 | 59.4 | 21681 | | 17476 | Tours and Table | 15771 | 13405 | 12064 | 10255 | | |
| | | 5 | 28.64 | 50.3 | 21681 | | 17476 | | 15771 | 13405 | 12064 | 10255 | | |
| | | 8 | 33.12 | 43.5 | 18218 | | CENTRAL CONTRACTOR | 14097 | 13251 | 11264 | 10137 | 8617 | | |
| | | 8 | 37.68 | 38.2 | 14840 | | | 11484 | 10795 | 9175 | 8258 | 7019 | | |
| | | | 71100000000 | 0.01297003-0 | 9108094203303 | | 850000000000000000000000000000000000000 | | 120000000000000000000000000000000000000 | Versulan succ | 2000000000 | V-254-2002 | | |
| | | 3 | 53.24 | 27.0 | 20201 | | 16283 | | 14694 | 12490 | 11241 | 9555 | | |
| | | 8 | 65.94 | 21.8 | 21681 | | 17476 | | 15771 | 13405 | 12064 | 10255 | | |
| | | s | 73.45 | 19.6 | 21681 | | 17476 | - | 15771 | 13405 | 12064 | 10255 | / | |
| | | 8 | 80.63 | 17.9 | 21681 | | 17476 | 7 | 15771 | 13405 | 12064 | 10255 | | |
| | | 79 | 86.82 | 16.6 | 21681 | | 17476 | | 15771 | 13405 | 12064 | 10255 | | |
| | | 3 | 94.50 | 15.2 | 21681 | | 17476 | 100000000000000000000000000000000000000 | 15771 | 13405 | 12064 | 10255 | | |
| D | 2 | | 103.78 | 13.9 | 21681 | 20.000 | 17476 | THE RESIDENCE | 15771 | 13405 | 12064 | 10255 | 100 100 | 35.0 |
| P380 | 3 | 1440 | 121.50 | 11.9 | 18218 | 15457 | 14685 | 14097 | 13251 | 11264 | 10137 | 8617 | 132-180 | 15.0 |
| | | s | 145.44 | 9.9 | 21681 | | 17476 | 16777 | 15771 | 13405 | 12064 | 10255 | | |
| | | 3 | 165.85 | 8.7 | 21681 | | 17476 | | 15771 | 13405 | 12064 | 10255 | | |
| | | 3 | 178.41 | 7.5 | 21681 18218 | | 17476 14685 | 14097 | 15771 | 13405 | 12064 | 10255 | | |
| | | 2 | 191.43 226.21 | 6.4 | 18218 | | | 14097 | 13251 13251 | 11264 11264 | 10137 | 8617 8617 | | |
| | | 8 | 243.76 | 5.9 | 18218 | 15457 | | 14097 | 13251 | 11264 | 10137 | 8617 | | |
| | | 38 | 267.17 | 5.4 | 14840 | | 11962 | The second second | 10795 | 9175 | 8258 | 7019 | | |
| | | | | | | | | | | | | | | |
| | | | 218.56 | 6.6 | 20201 | | 16283 | | 14694 | 12490 | 11241 | 9555 | | |
| | | 5 | 249.89 | 5.8 | 20201 | | Planton was in the | 15632 | 14694 | 12490 | 11241 | 9555 | | |
| | | 3 | 286.84 | 5.0 | 21681 | | 17476 | Section of the Control of the Contro | 15771 | 13405 | 12064 | 10255 | - | |
| | | 8 | 325.74 | 4.4 | 50 () () () () () () () | Control of the Contro | Security of | Statement of the | Addison Mark | 13405 | All and the second second | 10255 | | |
| | | 3 | 355.87 | 4.0 | 21681 | | Turner of the control | 16777 | 100000000000000000000000000000000000000 | 13405 | 12064 | 10255 | | |
| | | | 404.14 | 3.6 | 21681 | | 17476 | | 15771 | 13405 | 12064 | 10255 | | |
| | | 8 | 434.03 | 3.3 | 20201 | | | 15632 | | 12490 | 11241 | 9555 | | |
| | | | 467.51 | 3.1 | 21681 | | 17476 | | 15771 | 13405 | 12064 | 10255 | | |
| | | 8 | 527.61 558.96 | 2.7 | 18218 | I See Land | The state of the s | 14097 | | 11264 12490 | 10137 | 9555 | | |
| P480 | 4 | 1440 | 592.43 | 2.6 | 20201 | DE VICEO E | ACCOUNTS NOT THE | 15632 15632 | 100 M (0) AND (1) | 12490 | 11241 | 9555 | 100-132 | 12.5 |
| | | | 633.36 | 2.3 | 20201 | Charleson of | and the second second | 15632 | NAME OF TAXABLE PARTY. | 12490 | 11241 | 9555 | | |
| | | | 659.95 | 2.2 | 21681 | | 17476 | | 15771 | 13405 | 12064 | 10255 | | |
| | | 1 | 694.32 | 2.1 | 21681 | | 17476 | | 15771 | 13405 | 12064 | 10255 | | |
| | | A 3 | 772.40 | 1.9 | 18218 | / | TO STATE OF THE ST | 14097 | 100000000000000000000000000000000000000 | 11264 | 10137 | 8617 | | |
| | 100 | 3 | 861.44 | 1.7 | 18218 | CONTRACTOR OF THE PARTY OF THE | | 14097 | 10 % H C C | 11264 | 10137 | 8617 | | - |
| | 4 | 4 | 977.06 | 1.5 | 18218 | CONTRACTOR AND ADDRESS OF THE PARTY OF THE P | ENG SOUTH | 14097 | And the state of t | 11264 | 10137 | 8617 | | 1 |
| | | 3 | 1112.90 | 1.3 | 20201 | Service and the service and th | University of the Control of the Con | 15632 | 000000000000000000000000000000000000000 | 12490 | 11241 | 9555 | | |
| | | | 1218.50 | 1.2 | 21681 | | | 16777 | | 13405 | 12064 | 10255 | | 1 |
| | I | I 3 | | 212 | 21001 | 10000 | 71410 | 10/// | 20117 | 10100 | 12004 | 10200 | 100 | 1 |

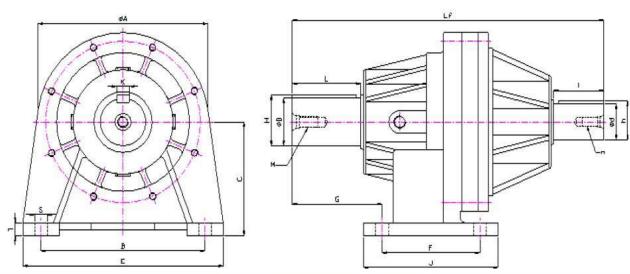


| | | Ε | | | - 19 | _ | | | | L | | | ı . | 7/3 | | |
|--------------|------|-------|--------|------|-------|-------|------|-----|--------|-------|-------|-----|-----|-----|------|--|
| | | | | DIM | ENSIO | NS OF | FOOT | MOU | NTED | HOLL | NI WC | PUT | | | | |
| MODEL | | OUT | PUT SI | HAFT | | | , | FC | OT M | DUNTI | NG | | | OTH | HERS | |
| MODEL | D j6 | L | Н | Kp9 | M | В | E | T | C | F | J | G | S | Α | Lh |] |
| P105 | 19 | 30 | 21.5 | 6 | M6 | 95 | 120 | 10 | 80 | 65 | 85 | 44 | 9 | 95 | 180 | |
| P110 | 24 | 38 | 27.0 | 8 | M6 | 110 | 140 | 12 | 90 | 80 | 110 | 54 | 11 | 110 | 199 | |
| P120 | 28 | 40 | 31.0 | 8 | M8 | 120 | 155 | 12 | 100 | 90 | 125 | 57 | 13 | 135 | 224 | SINGL |
| P130 | 38 | 50 | 41.0 | 10 | M10 | 140 | 175 | 12 | 105 | 95 | 130 | 72 | 14 | 155 | 263 | STAGE |
| P140 | 50 | 75 | 53.5 | 14 | M12 | 180 | 220 | 14 | 120 | 110 | 150 | 97 | 14 | 185 | 306 |] |
| P145 | 55 | 80 | 59.0 | 16 | M12 | 200 | 240 | 16 | 135 | 130 | 170 | 104 | 14 | 215 | 341 | |
| P150 | 60 | 90 | 64.0 | 18 | M16 | 210 | 260 | 18 | 150 | 140 | 190 | 108 | 18 | 235 | 369 | |
| P155 | 70 | 90 | 74.5 | 20 | M16 | 240 | 290 | 18 | 160 | 160 | 210 | 114 | 18 | 265 | 395 | |
| P160 | 80 | 110 | 85.5 | 22 | M16 | 270 | 330 | 18 | 170 | 170 | 230 | 135 | 18 | 290 | 394 | 1 |
| MADDEL | | OUT | PUT SI | HAFT | | | | FC | отмо | DUNTI | NG | | | OTH | IERS | |
| MODEL | D j6 | L | Н | K p9 | M | В | E | T | C | F | J | G | S | Α | Lh | 1 |
| P205 | 19 | 30 | 21.5 | 6 | M6 | 95 | 120 | 10 | 80 | 65 | 85 | 44 | 9 | 95 | 208 | 1 |
| P210 | 24 | 38 | 27.0 | 8 | M6 | 110 | 140 | 12 | 90 | 80 | 110 | 54 | 11 | 110 | 230 | 1 |
| P220 | 28 | 40 | 31.0 | 8 | M8 | 120 | 155 | 12 | 100 | 90 | 125 | 57 | 13 | 135 | 257 | 1 |
| P230 | 38 | 50 | 41.0 | 10 | M10 | 140 | 175 | 12 | 105 | 95 | 130 | 72 | 14 | 155 | 303 | DOUBL |
| P240 | 50 | 75 | 53.5 | 14 | M12 | 180 | 220 | 14 | 120 | 110 | 150 | 97 | 14 | 185 | 353 | STAG |
| P245 | 55 | 80 | 59.0 | 16 | M12 | 200 | 240 | 16 | 135 | 130 | 170 | 104 | 14 | 215 | 399 | 1 |
| P250 | 60 | 90 | 64.0 | 18 | M16 | 210 | 260 | 18 | 150 | 140 | 190 | 108 | 18 | 235 | 424 | 1 |
| P255 | 70 | 90 | 74.5 | 20 | M16 | 240 | 290 | 18 | 160 | 160 | 210 | 114 | 18 | 265 | 468 | 1 |
| P260 | 80 | 110 | 85.5 | 22 | M16 | 270 | 330 | 18 | 170 | 170 | 230 | 135 | 18 | 290 | 394 | 1 |
| | | OUT | PUT SI | IAFT | | | | FC | OOT MO | HINT | VG. | 7 | | OTH | IERS | |
| MODEL | D j6 | L | Н | К р9 | M | В | E | T | С | F | | G | S | A | Lh | 1 |
| P305 | 19 | 30 | 21.5 | 6 | M6 | 95 | 120 | 10 | 80 | 65 | 85 | 44 | 9 | 95 | 229 | 1 |
| P310 | 24 | 38 | 27.0 | 8 | M6 | 110 | 140 | 12 | 90 | 80 | 110 | 54 | 11 | 110 | 255 | 1 |
| P320 | 28 | 40 | 31.0 | 8 | M8 | 120 | 155 | 12 | 100 | 90 | 125 | 57 | 13 | 135 | 274 | |
| P330 | 38 | 50 | 41.0 | 10 | M10 | 140 | 175 | 12 | 105 | 95 | 130 | 72 | 14 | 155 | 313 | TRIPL |
| P340 | 50 | 75 | 53.5 | 14 | M12 | 180 | 220 | 14 | 120 | 110 | 150 | 97 | 14 | 185 | 376 | STAGI |
| P345 | 55 | 80 | 59.0 | 16 | M12 | 200 | 240 | 16 | 135 | 130 | 170 | 104 | 14 | 215 | 394 | 1 |
| P350 | 60 | 90 | 64.0 | 18 | M16 | 210 | 260 | 18 | 150 | 140 | 190 | 108 | 18 | 235 | 439 | 1 |
| P355 | 70 | 90 | 74.5 | 20 | M16 | 240 | 290 | 18 | 160 | 160 | 210 | 114 | 18 | 265 | 495 | 1 |
| P360 | 80 | 110 | 85.5 | 22 | M16 | 270 | 330 | 18 | 170 | 170 | 230 | 135 | 18 | 290 | 394 | 1 |
| | 00 | 2/2/2 | PUT SI | | 14120 | 2,0 | 000 | | OOT MO | | 7.7.7 | 100 | 10 | | IERS | |
| MODEL | D i6 | L | H | K p9 | M | В | E | T | C | F | 1 | G | S | A | Lh | 1 |
| P405 | 19 | 30 | 21.5 | 6 | M6 | 95 | 120 | 10 | 80 | 65 | 85 | 44 | 9 | 95 | 264 | 1 |
| P410 | 24 | 38 | 27.0 | 8 | M6 | 110 | 140 | 12 | 90 | 80 | 110 | 54 | 11 | 110 | 283 | 1 |
| P420 | 28 | 40 | 31.0 | 8 | M8 | 120 | 155 | 12 | 100 | 90 | 125 | 57 | 13 | 135 | 302 | |
| P430 | 38 | 50 | 41.0 | 10 | M10 | 140 | 175 | 12 | 105 | 95 | 130 | 72 | 14 | 155 | 340 | FOURT |
| P440 | 50 | 75 | 53.5 | 14 | M12 | 180 | 220 | 14 | 120 | 110 | 150 | 97 | 14 | 185 | 399 | STAG |
| P445 | 55 | 80 | 59.0 | 16 | M12 | 200 | 240 | 16 | 135 | 130 | 170 | 104 | 14 | 215 | 421 | 1 |
| P445 | 60 | 90 | 64.0 | 18 | M16 | 210 | 260 | 18 | 150 | 140 | 190 | 104 | 18 | 235 | 466 | 1 |
| P450 P455 | 70 | 90 | 74.5 | 20 | M16 | 240 | 290 | 18 | 160 | 160 | 210 | 114 | 18 | 265 | 538 | + |
| P455 P460 | 80 | 110 | 85.5 | 22 | M16 | 270 | 330 | 18 | 170 | 170 | 230 | 135 | 18 | 290 | 394 | 1 |
| F40U | 00 | 110 | 03.3 | 22 | IVITO | 2/0 | 330 | 10 | 1/0 | 1/0 | 230 | 122 | 10 | 290 | 394 | 1 |



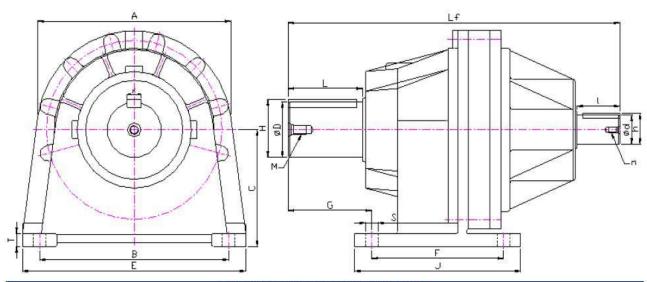


| | | | | DIN | IENSIC | ONS O | F FOOT | MOL | JNTED | HOLL | OW II | NPUT | | | | 2 |
|-------|------|-----|--------|------|--------|-------|--------|-----|-------|--------|-------|------|----|-----|------|---|
| MODEL | | OUT | PUT SI | AFT | | | | FC | OTM | DUNTII | VG | | | OTH | IERS | |
| MODEL | D j6 | L | Н | K p9 | M | В | E | T | C | F | J | G | S | Α | Lh | ereastere les |
| P170 | 95 | 130 | 100.0 | 25 | M16 | 330 | 390 | 22 | 200 | 230 | 290 | 163 | 22 | 340 | 481 | SINGLE |
| P180 | 110 | 170 | 116.0 | 28 | M20 | 380 | 440 | 25 | 225 | 280 | 340 | 200 | 22 | 385 | 587 | STAGE |
| P190 | 120 | 180 | 127.0 | 32 | M20 | 400 | 480 | 30 | 260 | 300 | 380 | 232 | 26 | 435 | 685 | |
| MODEL | | OUT | PUT SH | AFT | | | | FC | OT M | DUNTII | VG | | | OTH | IERS | |
| MODEL | D j6 | L | Н | Kp9 | M | В | E | T | C | F | J | G | S | Α | Lh | DOUBLE |
| P270 | 95 | 130 | 100.0 | 25 | M16 | 330 | 390 | 22 | 200 | 230 | 290 | 163 | 22 | 340 | 548 | STAGE |
| P280 | 110 | 170 | 116.0 | 28 | M20 | 380 | 440 | 25 | 225 | 280 | 340 | 200 | 22 | 385 | 646 | 100000000000000000000000000000000000000 |
| P290 | 120 | 180 | 127.0 | 32 | M20 | 400 | 480 | 30 | 260 | 300 | 380 | 232 | 26 | 435 | 748 | |
| MODEL | | OUT | PUT SI | IAFT | | | ev and | FC | OTM | DUNTII | VG | - / | | OTH | IERS | |
| MODEL | D j6 | L | Н | Kp9 | M | В | E | Т | C | F | J | G | S | Α | Lh | TOID! E |
| P370 | 95 | 130 | 100.0 | 25 | M16 | 330 | 390 | 22 | 200 | 230 | 290 | 163 | 22 | 340 | 630 | TRIPLE STAGE |
| P380 | 110 | 170 | 116.0 | 28 | M20 | 380 | 440 | 25 | 225 | 280 | 340 | 200 | 22 | 385 | 713 | STAGE |
| P390 | 120 | 180 | 127.0 | 32 | M20 | 400 | 480 | 30 | 260 | 300 | 380 | 232 | 26 | 435 | 815 | |
| MODEL | | OUT | PUT SI | IAFT | | | | FC | OT MO | DUNTII | VG | | | OTH | IERS | |
| MODEL | D j6 | L | Н | Kp9 | M | В | E | T | С | F | J | G | S | Α | Lh | |
| P470 | 95 | 130 | 100.0 | 25 | M16 | 330 | 390 | 22 | 200 | 230 | 290 | 163 | 22 | 340 | 703 | FOURTH |
| P480 | 110 | 170 | 116.0 | 28 | M20 | 380 | 440 | 25 | 225 | 280 | 340 | 200 | 22 | 385 | 795 | STAGE |
| P490 | 120 | 180 | 127.0 | 32 | M20 | 400 | 480 | 30 | 260 | 300 | 380 | 232 | 26 | 435 | 905 | |

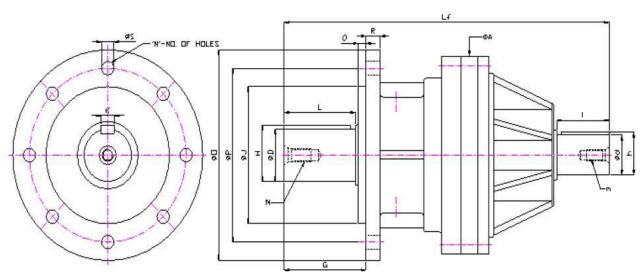


| | | | | | | | DIME | NSIO | NS OF | FOOT | MOUN | NTED F | REE II | NPUT | | | | | | | |
|--|----------|-------|--------------|------|------------|------|---------------------------------------|-----------|-------------------|----------|---------|------------|--------|--------|--------|-------------|----------|----|-----|---------|--------|
| | | OUT | PUT SI | HAFT | | | INI | PUT SH | AFT | | | | FC | OT MO | UNTI | NG | | | OTH | IERS | |
| MODEL | D i6 | L | Н | K p9 | M | d i6 | 1 | h | k p9 | m | В | E | Т | C | F | J | G | S | Α | Lf | 1 |
| P105 | 19 | 30 | 21.5 | 6 | M6 | 14 | 20 | 16.0 | 5 | M5 | 95 | 120 | 10 | 80 | 65 | 85 | 44 | 9 | 95 | 178 | 1 |
| P110 | 24 | 38 | 27.0 | 8 | M6 | 19 | 30 | 21.5 | 6 | M6 | 110 | 140 | 12 | 90 | 80 | 110 | 54 | 11 | 110 | 215 | 1 |
| P120 | 28 | 40 | 31.0 | 8 | M8 | 24 | 35 | 27.0 | 8 | M6 | 120 | 155 | 12 | 100 | 90 | 125 | 57 | 13 | 135 | 240 | 1 |
| P130 | 38 | 50 | 41.0 | 10 | M10 | 28 | 40 | 31.0 | 8 | M8 | 140 | 175 | 12 | 105 | 95 | 130 | 72 | 14 | 155 | 280 | SINGLE |
| P140 | 50 | 75 | 53.5 | 14 | M12 | 38 | 50 | 41.0 | 10 | M10 | 180 | 220 | 14 | 120 | 110 | 150 | 97 | 14 | 185 | 337 | STAGE |
| P145 | 55 | 80 | 59.0 | 16 | M12 | 42 | 55 | 45.0 | 12 | M12 | 200 | 240 | 16 | 135 | 130 | 170 | 104 | 14 | 215 | 368 | 1 |
| P150 | 60 | 90 | 64.0 | 18 | M16 | 50 | 75 | 53.5 | 14 | M12 | 210 | 260 | 18 | 150 | 140 | 190 | 108 | 18 | 235 | 405 | 1 |
| P155 | 70 | 90 | 74.5 | 20 | M16 | 50 | 75 | 53.5 | 14 | M12 | 240 | 290 | 18 | 160 | 160 | 210 | 114 | 18 | 265 | 446 | 1 |
| P160 | 80 | 110 | 85.5 | 22 | M16 | 60 | 90 | 64.0 | 18 | M16 | 270 | 330 | 18 | 170 | 170 | 230 | 135 | 18 | 290 | 446 | 1 |
| A THE PARTY OF THE | | OUT | PUT SI | JACT | | | INI | PUT SH | AET | | | 100000 | EC | OOT MC | MINTE | NG | 2005 | | OTL | IERS | |
| MODEL | D i6 | 1 | D1 | Kp9 | М | d i6 | IINI | h | k p9 | m | В | E | T | C | F | 1 | G | S | A | Lf | - |
| P205 | 19 | 30 | 21.5 | 6 | M6 | 14 | 20 | 16.0 | 5 | MS | 95 | 120 | 10 | 80 | 65 | 85 | 44 | 9 | 95 | 206 | 1 |
| P210 | 24 | 38 | 27.0 | 8 | M6 | 14 | 20 | 16.0 | 5 | M5 | 110 | 140 | 12 | 90 | 80 | 110 | 54 | 11 | 110 | 225 | 1 |
| P220 | 28 | 40 | 31.0 | 8 | M8 | 19 | 30 | 21.5 | 6 | M6 | 120 | 155 | 12 | 100 | 90 | 125 | 57 | 13 | 135 | 263 | 1 |
| P230 | 38 | 50 | 41.0 | 10 | M10 | 24 | 35 | 27.0 | 8 | M6 | 140 | 175 | 12 | 105 | 95 | 130 | 72 | 14 | 155 | 306 | DOUBLE |
| P240 | 50 | 75 | 53.5 | 14 | M12 | 28 | 40 | 31.0 | 8 | M8 | 180 | 220 | 14 | 120 | 110 | 150 | 97 | 14 | 185 | 366 | STAGE |
| P245 | 55 | 80 | 59.0 | 16 | M12 | 28 | 40 | 31.0 | 8 | M8 | 200 | 240 | 16 | 135 | 130 | 170 | 104 | 14 | 215 | 405 | |
| P250 | 60 | 90 | 64.0 | 18 | M16 | 38 | 50 | 41.0 | 10 | M10 | 210 | 260 | 18 | 150 | 140 | 190 | 108 | 18 | 235 | 427 | 1 |
| P255 | 70 | 90 | 74.5 | 20 | M16 | 50 | 75 | 53.5 | 14 | M12 | 240 | 290 | 18 | 160 | 160 | 210 | 114 | 18 | 265 | 504 | 1 |
| P260 | 80 | 110 | 85.5 | 22 | M16 | 50 | 75 | 53.5 | 14 | M12 | 270 | 330 | 18 | 170 | 170 | 230 | 135 | 18 | 290 | 446 | 1 |
| 1 200 | - 50 | 7 100 | | | 10120 | 20 | I I I I I I I I I I I I I I I I I I I | 100000 | 1000 | IVILLE | 210 | 250 | | | | | 100 | 10 | | | _ |
| MODEL | - 1- | 001 | PUT SI | | | | INI | PUT SH. | 1000 | | _ | - | | OT MO | | | _ | | - | IERS | - |
| DOOF | D j6 | L | D1 | Kp9 | M | d j6 | 20 | h | k p9 | m | В | E | T | C | F | J | G | S | A | Lf | - |
| P305 | 19 | 30 | 21.5 | 6 | M6 | 14 | 20 | 16.0 | 5 | M5 | 95 | 120 | 10 | 80 | 65 | 85 | 44 | 9 | 95 | 234 | - |
| P310 | 24 | 38 | 27.0 | 8 | M6 | 14 | 20 | 16.0 | 5 | M5 | 110 | 140 | 12 | 90 | 80 | 110 | 54 | 11 | 110 | 253 | - |
| P320 | 28 | 40 | 31.0 | 8 | M8 | 14 | 20 | 16.0 | 5 | M5 | 120 | 155 | 12 | 100 | 90 | 125 | 57 | 13 | 135 | 272 | TRIPLE |
| P330 | 38 | 50 | 41.0 | 10 | M10 | 19 | 30 | 21.5 | 6 | M6 M6 | 140 | 175 220 | 12 | 105 | 95 | 130 | 72 97 | 14 | 155 | 329 | STAGE |
| P340 P345 | 50 | 75 | 53.5 | 14 | M12 | 24 | 35 | 27.0 | 8 | M6 | (C) (C) | | 77. | | | | - | - | 215 | 428 | - |
| P350 | 55 | 90 | 59.0 64.0 | 16 | M12 M16 | 28 | 40 | 31.0 | 8 | M8 | 200 | 240 | 16 | 135 | 130 | 170 | 104 | 14 | 235 | 456 | - |
| P350 | 100 | - | | - | 11000 | 38 | 50 | 41.0 | 10 | M10 | 240 | 290 | 18 | 160 | 160 | 210 | 114 | 18 | 265 | 526 | - |
| P355 | 70 80 | 90 | 74.5 85.5 | 20 | M16 | 38 | 50 | 41.0 | 10 | M10 | 270 | 330 | 18 | 170 | 170 | 230 | 135 | 18 | 290 | 446 | - |
| F300 | 80 | | | | IVIIO | 20 | | 0.0000000 | 17.77 | IVIEU | 270 | 330 | 77.00 | | -0.000 | 199,993,000 | 133 | 10 | | 1000000 | |
| MODEL | | | PUT SI | 100 | (a | | INI | PUT SH | The second second | | | | | OT MO | | NG | 100000 | 50 | | IERS | |
| CHARGE THE PARTY | D j6 | L | D1 | Kp9 | M | d j6 | | h | kp9 | m | В | E | T | С | F | J | G | S | A | Lf | |
| P405 | 19 | 30 | 21.5 | 6 | M6 | 14 | 20 | 16.0 | 5 | M5 | 95 | 120 | 10 | 80 | 65 | 85 | 44 | 9 | 95 | 262 | 4 |
| P410 | 24 | 38 | 27.0 | 8 | M6 | 14 | 20 | 16.0 | 5 | M5 | 110 | 140 | 12 | 90 | 80 | 110 | 54 | 11 | 110 | 281 | |
| P420 | 28 | 40 | 31.0 | 8 | M8 | 14 | 20 | 16.0 | 5 | M5 | 120 | 155 | 12 | 100 | 90 | 125 | 57 | 13 | 135 | 300 | FOURTH |
| P430 | 38 | 50 | 41.0 | 10 | M10 | 14 | 20 | 16.0 | 5 | M5 | 140 | 175 | 12 | 105 | 95 | 130 | 72 | 14 | 155 | 338 | STAGE |
| P440 | 50 | 75 | 53.5 | 14 | M12 | 19 | 30 | 21.5 | 6 | M6 | 180 | 220 | 14 | 120 | 110 | 150 | 97 | 14 | 185 | 415 | JIAGE |
| P445 | 55 | 80 | 59.0 | 16 | M12 | 24 | 35 | 27.0 | 8 | M6 | 200 | 240 | 16 | 135 | 130 | 170 | 104 | 14 | 215 | 456 | - |
| P450 | 60 | 90 | 64.0 | 18 | M16 | 24 | 35 | 27.0 | 8 | M6 | 210 | 260 | 18 | 150 | 140 | 190 | 108 | 18 | 235 | 482 | - |
| P455 | 70 | 90 | 74.5 | 20 | M16 | 28 | 40 | 31.0 | 8 | M8 | 240 | 290 | 18 | 160 | 160 | 210 | 114 | 18 | 265 | 555 | - |
| P460 | 80 | 110 | 85.5 | 22 | M16 | 28 | 40 | 31.0 | 8 | M8 | 270 | 330 | 18 | 170 | 170 | 230 | 135 | 18 | 290 | 446 | 1 |



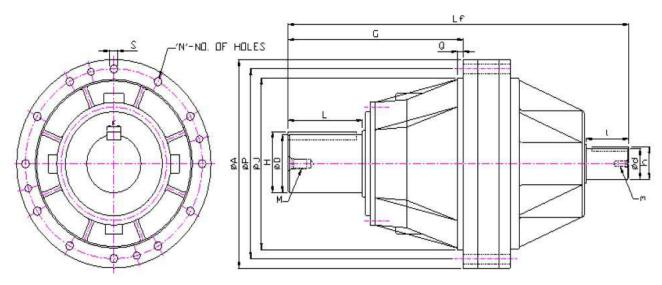


| | | | | | | 111 | DIME | NSION | IS OF | FOOT | MOUN | ITED F | REE IN | NPUT | | | | | | | 22 |
|-------|------|-----|--------|------|-----|------|------|-------|-------|------|------|--------|--------|--------|------|-----|-----|----|-----|------|--------|
| MODEL | | OUT | PUT SH | AFT | 7 | 72- | INF | UT SH | AFT | | 2 | | FC | OOT MO | UNTI | NG | | | OTH | IERS | 0 |
| MODEL | D j6 | L | Н | Kp9 | M | d j6 | 1 | h | k p9 | m | В | E | T | C | F | J | G | S | Α | Lf | |
| P170 | 95 | 130 | 100.0 | 25 | M16 | 70 | 100 | 74.5 | 20 | M16 | 330 | 390 | 22 | 200 | 230 | 290 | 163 | 22 | 340 | 546 | SINGLE |
| P180 | 110 | 170 | 116.0 | 28 | M20 | 70 | 100 | 74.5 | 20 | M16 | 380 | 440 | 25 | 225 | 280 | 340 | 200 | 22 | 385 | 655 | STAGE |
| P190 | 120 | 180 | 127.0 | 32 | M20 | 90 | 120 | 95 | 20 | M16 | 400 | 480 | 30 | 260 | 300 | 380 | 232 | 26 | 435 | 745 | |
| MODEL | | OUT | PUT SH | IAFT | | | INF | UT SH | AFT | | | | FC | OOT MO | UNTI | VG | | | OTH | IERS | |
| MODEL | D j6 | L | D1 | Kp9 | M | d j6 | 1 | h | k p9 | m | В | E | T | C | F | J | G | S | Α | Lf | |
| P270 | 95 | 130 | 100.0 | 25 | M16 | 70 | 100 | 74.5 | 20 | M16 | 330 | 390 | 22 | 200 | 230 | 290 | 163 | 22 | 340 | 615 | DOUBLE |
| P280 | 110 | 170 | 116.0 | 28 | M20 | 70 | 100 | 74.5 | 20 | M16 | 380 | 440 | 25 | 225 | 280 | 340 | 200 | 22 | 385 | 711 | STAGE |
| P290 | 120 | 180 | 127.0 | 32 | M20 | 90 | 120 | 95 | 20 | M16 | 400 | 480 | 30 | 260 | 300 | 380 | 232 | 26 | 435 | 825 | |
| | | OUT | PUT SH | IAFT | | | INF | UT SH | AFT | | | | FC | OOTMO | UNTI | VG | A. | | OTH | IERS | |
| MODEL | D j6 | L | D1 | Kp9 | M | d j6 | 1 | h | k p9 | m | В | E | T | C | F | J | G | S | A | Lf | |
| P370 | 95 | 130 | 100.0 | 25 | M16 | 70 | 100 | 74.5 | 20 | M16 | 330 | 390 | 22 | 200 | 230 | 290 | 163 | 22 | 340 | 681 | TRIPLE |
| P380 | 110 | 170 | 116.0 | 28 | M20 | 70 | 100 | 74.5 | 20 | M16 | 380 | 440 | 25 | 225 | 280 | 340 | 200 | 22 | 385 | 780 | STAGE |
| P390 | 120 | 180 | 127.0 | 32 | M20 | 90 | 120 | 95 | 20 | M16 | 400 | 480 | 30 | 260 | 300 | 380 | 232 | 26 | 435 | 885 | |
| MODEL | | OUT | PUT SI | AFT | | | INF | UT SH | AFT | | | | FC | OOT MO | UNTI | VG | | 15 | OTH | IERS | |
| MODEL | D j6 | L | D1 | Kp9 | M | d j6 | | h | k p9 | m | В | E | T | C | F | J | G | 5 | Α | Lf | |
| P470 | 95 | 130 | 100.0 | 25 | M16 | 70 | 100 | 74.5 | 20 | M16 | 330 | 390 | 22 | 200 | 230 | 290 | 163 | 22 | 340 | 739 | FOURTH |
| P480 | 110 | 170 | 116.0 | 28 | M20 | 70 | 100 | 74.5 | 20 | M16 | 380 | 440 | 25 | 225 | 280 | 340 | 200 | 22 | 385 | 846 | UIAGE |
| P490 | 120 | 180 | 127.0 | 32 | M20 | 90 | 120 | 95 | 20 | M16 | 400 | 480 | 30 | 260 | 300 | 380 | 232 | 26 | 435 | 948 | 4 |

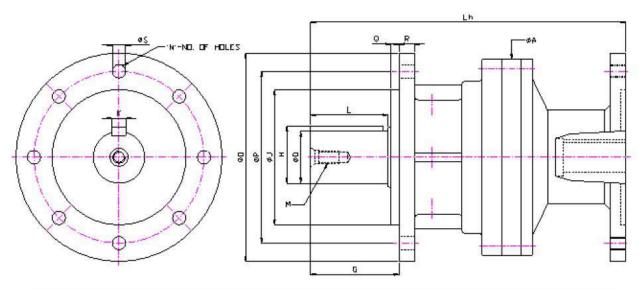


| | | | | | | DII | MENS | SIONS | OF F | LANG | E MOI | JNTE | D FRE | E INF | UT | | | | | | |
|---|---|---|--|---|--|--|--|--|--|---|---|---|---|--|--|--|---|---|---|---|-------------------------|
| 1112 | | OUT | PUT S | HAFT | | | INP | UT SH | AFT | | | | FLAN | IGE M | OUNT | ING | | | OTH | ERS | |
| MODEL | D j6 | L | Н | Kp9 | M | d j6 | I | h | k p9 | m | J | 0 | Q | R | Р | G | S | N | A | Lf | |
| P105 | 19 | 30 | 21.5 | 6 | M6 | 14 | 20 | 16.0 | 5 | M5 | 60 | 100 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 178 | |
| P110 | 24 | 38 | 27.0 | 8 | M6 | 19 | 30 | 21.5 | 6 | M6 | 80 | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 215 | |
| P120 | 28 | 40 | 31.0 | 8 | M8 | 24 | 35 | 27.0 | 8 | M6 | 90 | 145 | 4 | 12 | 120 | 47 | 13 | 4 | 135 | 240 | l |
| P130 | 38 | 50 | 41.0 | 10 | M10 | 28 | 40 | 31.0 | 8 | M8 | 110 | 160 | 5 | 12 | 135 | 58 | 9 | 8 | 155 | 280 | SINGLE |
| P140 | 50 | 75 | 53.5 | 14 | M12 | 38 | 50 | 41.0 | 10 | M10 | 130 | 195 | 8 | 15 | 165 | 86 | 11 | 8 | 185 | 337 | STAGE |
| P145 | 55 | 80 | 59.0 | 16 | M12 | 42 | 55 | 45.0 | 12 | M12 | 145 | 215 | 9 | 16 | 180 | 92 | 13 | 8 | 215 | 368 | |
| P150 | 60 | 90 | 64.0 | 18 | M16 | 50 | 75 | 53.5 | 14 | M12 | 160 | 240 | 10 | 18 | 200 | 103 | 13 | 8 | 235 | 405 | |
| P155 | 70 | 90 | 74.5 | 20 | M16 | 50 | 75 | 53.5 | 14 | M12 | 180 | 265 | 10 | 18 | 225 | 103 | 13 | 8 | 265 | 446 | |
| P160 | 80 | 110 | 85.5 | 22 | M16 | 50 | 75 | 53.5 | 14 | M12 | 235 | 290 | 10 | 23 | 265 | 123 | 14 | 8 | 290 | 461 | |
| | | OUT | PUTS | HAFT | | | INP | UT SH | ΔFT | | | | FIΔN | IGE M | OLINI | ING | | | OTH | FRS | |
| MODEL | D j6 | L | Н | Kp9 | M | d i6 | | h | kp9 | m | J | 0 | Q | R | Р | G | S | N | A | Lf | |
| P205 | 19 | 30 | 21.5 | 6 | M6 | 14 | 20 | 16.0 | 5 | M5 | 60 | 100 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 206 | |
| P210 | 24 | 38 | 27.0 | 8 | M6 | 14 | 20 | 16.0 | 5 | M5 | 80 | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 225 | |
| P220 | 28 | 40 | 31.0 | 8 | M8 | 19 | 30 | 21.5 | 6 | M6 | 90 | 145 | 4 | 12 | 120 | 47 | 13 | 4 | 135 | 263 | |
| P230 | 38 | 50 | 41.0 | 10 | M10 | 24 | 35 | 27.0 | 8 | M6 | 110 | 160 | 5 | 12 | 135 | 58 | 9 | 8 | 155 | 306 | DOUBLE |
| P240 | 50 | 75 | 53.5 | 14 | M12 | 28 | 40 | 31.0 | 8 | M8 | 130 | 195 | 8 | 15 | 165 | 86 | 11 | 8 | 185 | 366 | STAGE |
| P245 | 55 | 80 | 59.0 | 16 | M12 | 28 | 40 | 31.0 | 8 | M8 | 145 | 215 | 9 | 16 | 180 | 92 | 13 | 8 | 215 | 396 | |
| P250 | 60 | 90 | 64.0 | 18 | M16 | 38 | 50 | 41.0 | 10 | M10 | 160 | 240 | 10 | 18 | 200 | 103 | 13 | 8 | 235 | 427 | |
| P255 | 70 | 90 | 74.5 | 20 | M16 | 50 | 75 | 53.5 | 14 | M12 | 180 | 265 | 10 | 18 | 225 | 103 | 13 | 8 | 265 | 504 | |
| P260 | 80 | 110 | 85.5 | 22 | M16 | 50 | 75 | 53.5 | 14 | M12 | 235 | 290 | 10 | 23 | 265 | 123 | 14 | 8 | 290 | 570 | |
| | | | PUT S | HAET | | | IND | UT SH | AET | | | | ELAN | IGE M | OLINIT | ING | | | OTL | IERS | |
| MODEL | D j6 | 1 | Н | K p9 | M | d i6 | HAP | h | k p9 | m | J | 0 | Q | R | P | G | S | N | A | Lf | |
| P305 | 19 | 30 | 21.5 | 6 | M6 | 14 | 20 | 16.0 | 5 | M5 | 60 | 100 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 234 | |
| P310 | 24 | 38 | 27.0 | 8 | M6 | 14 | 20 | 16.0 | 5 | M5 | 80 | DESIGN. | 7/00/ | | III LONG | 7.7 | - | - 33 | | | |
| P320 | 28 | 40 | _ | | _ | | | 20.0 | | | | 120 | 100 | | 100 | 43 | | - 4 | 110 | 253 | |
| P330 | _ | | 37 (1 | 8 | | 4 | 20 | 16.0 | 5 | MS | | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 253 | ALTERNATION DESCRIPTION |
| 1 . 000 | 338 | 1 | 31.0 | 8 | M10 | 14 | 30 | 16.0 | 5 | M5 M6 | 90 | 145 | 4 | 12 | 120 | 47 | 13 | 4 | 135 | 272 | TRIPLE |
| P340 | 38 | 50 | 41.0 | 10 | M10 | 19 | 30 | 21.5 | 6 | M6 | 90 110 | 145 160 | 4 | 12 12 | 120 135 | 47 58 | 13 9 | 8 | 135 155 | 272 329 | TRIPLE STAGE |
| P340 P345 | 50 | 50 75 | 41.0 53.5 | 10 14 | M10 M12 | 19 24 | 30 35 | 21.5 27.0 | 6 | M6 M6 | 90 110 130 | 145 160 195 | 4 | 12 12 15 | 120 135 165 | 47 58 86 | 13 9 11 | 4 8 8 | 135 155 185 | 272 329 392 | |
| P345 | 50 55 | 50 75 80 | 41.0 53.5 59.0 | 10 14 16 | M10 M12 M12 | 19 | 30 | 21.5 | 6 | M6 | 90 110 | 145 160 | 4 5 8 | 12 12 | 120 135 165 180 | 47 58 | 13 9 | 8 | 135 155 | 272 329 | |
| P345 P350 | 50 55 60 | 50 75 80 90 | 41.0 53.5 59.0 64.0 | 10 14 16 18 | M10 M12 M12 M16 | 19 24 24 | 30 35 35 | 21.5 27.0 27.0 | 6 8 8 | M6 M6 M6 | 90 110 130 145 | 145 160 195 215 | 4 5 8 9 | 12 12 15 16 | 120 135 165 | 47 58 86 92 | 13 9 11 13 | 4 8 8 8 | 135 155 185 215 | 272 329 392 428 | |
| P345 | 50 55 | 50 75 80 | 41.0 53.5 59.0 | 10 14 16 | M10 M12 M12 | 19 24 24 28 | 30 35 35 40 | 21.5 27.0 27.0 31.0 | 6 8 8 | M6 M6 M6 M8 | 90 110 130 145 160 | 145 160 195 215 240 | 4 5 8 9 | 12 12 15 16 18 | 120 135 165 180 200 | 47 58 86 92 103 | 13 9 11 13 | 4 8 8 8 | 135 155 185 215 235 | 272 329 392 428 456 | |
| P345 P350 P355 | 50 55 60 70 | 50 75 80 90 90 110 | 41.0 53.5 59.0 64.0 74.5 85.5 | 10 14 16 18 20 22 | M10 M12 M12 M16 M16 | 19 24 24 28 38 | 30 35 35 40 50 50 | 21.5 27.0 27.0 31.0 41.0 41.0 | 6 8 8 8 10 10 | M6 M6 M6 M8 M10 | 90 110 130 145 160 180 | 145 160 195 215 240 265 | 4 5 8 9 10 10 | 12 12 15 16 18 18 23 | 120 135 165 180 200 225 265 | 47 58 86 92 103 103 123 | 13 9 11 13 13 | 4 8 8 8 8 | 135 155 185 215 235 265 290 | 272 329 392 428 456 526 586 | |
| P345 P350 P355 | 50 55 60 70 80 | 50 75 80 90 90 110 OUT | 41.0 53.5 59.0 64.0 74.5 85.5 | 10 14 16 18 20 22 HAFT | M10 M12 M12 M16 M16 M16 | 19 24 24 28 38 38 | 30 35 35 40 50 50 | 21.5 27.0 27.0 31.0 41.0 41.0 | 6 8 8 8 10 10 | M6 M6 M6 M8 M10 M10 | 90 110 130 145 160 180 235 | 145 160 195 215 240 265 290 | 4 5 8 9 10 10 10 FLAN | 12 12 15 16 18 18 23 | 120 135 165 180 200 225 265 | 47 58 86 92 103 103 123 | 13 9 11 13 13 13 14 | 4 8 8 8 8 8 | 135 155 185 215 235 265 290 | 272 329 392 428 456 526 586 | |
| P345 P350 P355 P360 | 50 55 60 70 80 D j6 | 50 75 80 90 90 110 OUT L | 41.0 53.5 59.0 64.0 74.5 85.5 PUT S | 10 14 16 18 20 22 HAFT K p9 | M10 M12 M12 M16 M16 M16 | 19 24 24 28 38 | 30 35 35 40 50 50 | 21.5 27.0 27.0 31.0 41.0 41.0 | 6 8 8 8 10 10 AFT k p9 | M6 M6 M6 M8 M10 | 90 110 130 145 160 180 | 145 160 195 215 240 265 | 4 5 8 9 10 10 10 FLAN | 12 12 15 16 18 18 23 | 120 135 165 180 200 225 265 | 47 58 86 92 103 103 123 | 13 9 11 13 13 | 8 8 8 8 | 135 155 185 215 235 265 290 | 272 329 392 428 456 526 586 BERS Lf | |
| P345 P350 P355 P360 MODEL P405 | 50 55 60 70 80 D j6 | 50 75 80 90 90 110 OUT L 30 | 41.0 53.5 59.0 64.0 74.5 85.5 PUT S H 21.5 | 10 14 16 18 20 22 HAFT K p9 | M10 M12 M12 M16 M16 M16 M16 | 19 24 24 28 38 38 38 | 30 35 35 40 50 50 INP 1 | 21.5 27.0 27.0 31.0 41.0 41.0 UT SH h | 6 8 8 8 10 10 AFT k p9 5 | M6 M6 M8 M10 M10 | 90 110 130 145 160 180 235 | 145 160 195 215 240 265 290 O | 4 5 8 9 10 10 10 FLAN Q | 12 12 15 16 18 18 23 IGE M | 120 135 165 180 200 225 265 OUNT | 47 58 86 92 103 103 123 ING G | 13 9 11 13 13 13 14 | 4 8 8 8 8 8 | 135 155 185 215 235 265 290 OTH A | 272 329 392 428 456 526 586 | |
| P345 P350 P355 P360 MODEL P405 P410 | 50 55 60 70 80 D j6 19 24 | 50 75 80 90 90 110 OUT L 30 38 | 41.0 53.5 59.0 64.0 74.5 85.5 PUT S H 21.5 27.0 | 10 14 16 18 20 22 HAFT K p9 6 | M10 M12 M12 M16 M16 M16 M16 M16 | 19 24 24 28 38 38 38 | 30 35 35 40 50 50 INP | 21.5 27.0 27.0 31.0 41.0 41.0 UT SH h 16.0 | 6 8 8 8 10 10 AFT k p9 5 5 5 | M6 M6 M8 M10 M10 M10 | 90 110 130 145 160 180 235 | 145 160 195 215 240 265 290 O 100 120 | 4 5 8 9 10 10 10 FLAN | 12 12 15 16 18 18 23 IGE M R | 120 135 165 180 200 225 265 OUNT P 80 100 | 47 58 86 92 103 103 123 TING | 13 9 11 13 13 13 14 S 9 | 4 8 8 8 8 8 8 | 135 155 185 215 235 265 290 OTH A 95 110 | 272 329 392 428 456 526 586 EERS Lf 262 281 | STAGE |
| P345 P350 P355 P360 MODEL P405 | 50 55 60 70 80 D j6 19 24 28 | 50 75 80 90 90 110 OUT L 30 38 40 | 41.0 53.5 59.0 64.0 74.5 85.5 PUT S H 21.5 27.0 31.0 | 10 14 16 18 20 22 HAFT K p9 6 8 | M10 M12 M12 M16 M16 M16 M16 M6 M8 | 19 24 24 28 38 38 38 4 j6 14 14 | 30 35 35 40 50 50 INP 1 20 20 | 21.5 27.0 27.0 31.0 41.0 41.0 UT SH h 16.0 16.0 | 6 8 8 8 10 10 AFT k p9 5 | M6 M6 M8 M10 M10 M10 M5 M5 | 90 110 130 145 160 180 235 J 60 80 | 145 160 195 215 240 265 290 O | 4 5 8 9 10 10 10 FLAN Q 3 3 | 12 12 15 16 18 18 23 IGE M R 10 | 120 135 165 180 200 225 265 OUNT P 80 100 120 | 47 58 86 92 103 103 123 TNG G 35 43 | 13 9 11 13 13 13 14 S | 4 8 8 8 8 8 8 8 | 135 155 185 215 235 265 290 OTH A 95 110 | 272 329 392 428 456 526 586 IERS Lf 262 281 300 | STAGE |
| P345 P350 P355 P360 MODEL P405 P410 P420 P430 | 50 55 60 70 80 D j6 19 24 28 38 | 50 75 80 90 90 110 OUT L 30 38 40 50 | 41.0 53.5 59.0 64.0 74.5 85.5 PUT S H 21.5 27.0 31.0 41.0 | 10 14 16 18 20 22 HAFT K p9 6 8 8 | M10 M12 M12 M16 M16 M16 M16 M6 M8 M8 | 19 24 24 28 38 38 38 14 14 | 30 35 35 40 50 50 INP I 20 20 | 21.5 27.0 27.0 31.0 41.0 41.0 UT SH h 16.0 | 6 8 8 8 10 10 AFT k p9 5 5 | M6 M6 M8 M10 M10 M10 | 90 110 130 145 160 180 235 J 60 80 90 | 145 160 195 215 240 265 290 O 100 120 145 | 4 5 8 9 10 10 10 FLAN Q 3 3 4 | 12 12 15 16 18 18 23 IGE M R 10 11 | 120 135 165 180 200 225 265 OUNT P 80 100 | 47 58 86 92 103 103 123 TNG G 35 43 | 13 9 11 13 13 13 14 S 9 11 | 4 8 8 8 8 8 8 8 8 | 135 155 185 215 235 265 290 OTH A 95 110 | 272 329 392 428 456 526 586 EERS Lf 262 281 | STAGE |
| P345 P350 P355 P360 MODEL P405 P410 P420 | 50 55 60 70 80 D j6 19 24 28 38 50 | 50 75 80 90 90 110 OUT L 30 38 40 50 75 | 41.0 53.5 59.0 64.0 74.5 85.5 PUT S H 21.5 27.0 31.0 41.0 53.5 | 10 14 16 18 20 22 HAFT K p9 6 8 8 10 | M10 M12 M12 M16 M16 M16 M16 M6 M8 M8 M10 M12 | 19 24 24 28 38 38 38 d j6 14 14 14 14 19 | 30 35 35 40 50 50 INP 1 20 20 20 20 | 21.5 27.0 27.0 31.0 41.0 41.0 UT SH h 16.0 16.0 16.0 21.5 | 6 8 8 8 10 10 AFT k p9 5 5 5 | M6 M6 M8 M10 M10 M10 M5 M5 M5 | 90 110 130 145 160 180 235 J 60 80 90 110 | 145 160 195 215 240 265 290 0 100 120 145 160 195 | 4 5 8 9 10 10 10 FLAN Q 3 3 4 5 | 12 12 15 16 18 18 23 IGE M R 10 11 12 | 120 135 165 180 200 225 265 OUNT P 80 100 120 135 | 47 58 86 92 103 103 123 TNG G 35 43 47 | 13 9 11 13 13 13 14 S 9 11 13 | 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 135 155 185 215 235 265 290 OTH A 95 110 135 | 272 329 392 428 456 526 586 IERS Lf 262 281 300 338 415 | STAGE |
| P345 P350 P355 P360 MODEL P405 P410 P420 P430 P440 P445 | 50 55 60 70 80 D j6 19 24 28 38 50 55 | 50 75 80 90 90 110 OUT L 30 38 40 50 75 80 | 41.0 53.5 59.0 64.0 74.5 85.5 PUT S 21.5 27.0 31.0 41.0 53.5 59.0 | 10 14 16 18 20 22 HAFT K p9 6 8 8 10 14 16 | M10 M12 M12 M16 M16 M16 M6 M6 M8 M10 M12 M12 | 19 24 24 28 38 38 38 4 j6 14 14 14 14 19 24 | 30 35 35 40 50 50 INP 1 20 20 20 20 30 35 | 21.5 27.0 27.0 31.0 41.0 41.0 UT SH h 16.0 16.0 16.0 21.5 27.0 | 6 8 8 8 10 10 AFT k p9 5 5 5 5 6 8 | M6 M6 M8 M10 M10 M5 M5 M5 M5 M6 | 90 110 130 145 160 180 235 J 60 80 90 110 130 145 | 145 160 195 215 240 265 290 0 100 120 145 160 195 215 | 4 5 8 9 10 10 10 FLAN Q 3 3 4 5 8 | 12 12 15 16 18 18 23 IGE M R 10 11 12 12 15 16 | 120 135 165 180 200 225 265 OUNT P 80 100 120 135 165 180 | 47 58 86 92 103 103 123 ING G 35 43 47 58 86 92 | 13 9 11 13 13 14 S 9 11 13 9 | 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 135 155 185 215 235 265 290 OTHA 95 110 135 155 185 215 | 272 329 392 428 456 526 586 IERS Lf 262 281 300 338 415 456 | STAGE |
| P345 P350 P355 P360 MODEL P405 P410 P420 P430 P440 P445 P450 | 50 55 60 70 80 D j6 19 24 28 38 50 55 | 50 75 80 90 90 110 OUT L 30 38 40 50 75 80 | 41.0 53.5 59.0 64.0 74.5 85.5 PUT S H 21.5 27.0 31.0 41.0 53.5 59.0 64.0 | 10 14 16 18 20 22 HAFT K p9 6 8 8 10 14 16 18 | M10 M12 M16 M16 M16 M16 M6 M6 M8 M10 M12 M12 M12 | 19 24 24 28 38 38 38 4 j6 14 14 14 19 24 24 | 30 35 35 40 50 50 INP 1 20 20 20 20 30 | 21.5 27.0 27.0 31.0 41.0 41.0 UT SH h 16.0 16.0 21.5 27.0 27.0 | 6 8 8 8 10 10 AFT k p9 5 5 5 5 6 | M6 M6 M8 M10 M10 m M5 M5 M5 M6 M6 M6 | 90 110 130 145 160 180 235 J 60 80 90 110 130 145 160 | 145 160 195 215 240 265 290 0 100 120 145 160 195 | 4 5 8 9 10 10 10 10 5 4 5 8 9 | 12 12 15 16 18 18 23 IGE M R 10 11 12 12 | 120 135 165 180 200 225 265 OUNT P 80 100 120 135 165 | 47 58 86 92 103 103 123 ING G 35 43 47 58 86 92 103 | 13 9 11 13 13 13 14 S 9 11 13 9 11 | 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 135 155 185 215 235 265 290 OTHA 95 110 135 155 185 215 235 | 272 329 392 428 456 526 586 ERS Lf 262 281 300 338 415 456 482 | STAGE |
| P345 P350 P355 P360 MODEL P405 P410 P420 P430 P440 P445 | 50 55 60 70 80 D j6 19 24 28 38 50 55 | 50 75 80 90 90 110 OUT L 30 38 40 50 75 80 | 41.0 53.5 59.0 64.0 74.5 85.5 PUT S 21.5 27.0 31.0 41.0 53.5 59.0 | 10 14 16 18 20 22 HAFT K p9 6 8 8 10 14 16 | M10 M12 M12 M16 M16 M16 M6 M6 M8 M10 M12 M12 | 19 24 24 28 38 38 38 4 j6 14 14 14 14 19 24 | 30 35 35 40 50 50 INP 1 20 20 20 20 30 35 35 | 21.5 27.0 27.0 31.0 41.0 41.0 UT SH h 16.0 16.0 16.0 21.5 27.0 | 6 8 8 8 10 10 AFT k p9 5 5 5 6 8 8 8 | M6 M6 M8 M10 M10 m M5 M5 M5 M6 M6 | 90 110 130 145 160 180 235 J 60 80 90 110 130 145 | 145 160 195 215 240 265 290 0 100 120 145 160 195 215 240 | 4 5 8 9 10 10 10 10 FLAN Q 3 3 4 5 8 9 10 | 12 12 15 16 18 18 23 IGE M R 10 11 12 12 15 16 18 | 120 135 165 180 200 225 265 OUNT P 80 100 120 135 165 180 200 | 47 58 86 92 103 103 123 ING G 35 43 47 58 86 92 | 13 9 11 13 13 14 S 9 11 13 9 | 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 135 155 185 215 235 265 290 OTHA 95 110 135 155 185 215 | 272 329 392 428 456 526 586 IERS Lf 262 281 300 338 415 456 | STAGE |



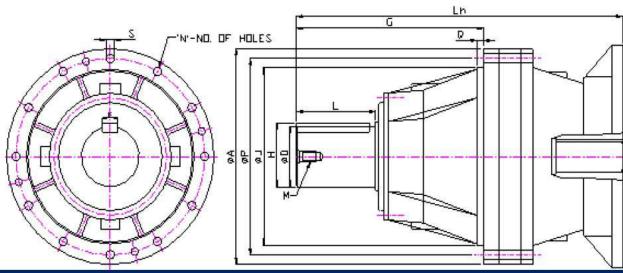


| | | | | | | DIME | NOIS | S OF F | LANG | E MOL | JNTED | FREE | INPUT | | | | | | v |
|--------|------|-----|--------|------|-----|------|------|--------|------|-------|-------|------|-------|-------|-----|----|-----|------|--------|
| MODEL | | OUT | PUT SH | IAFT | | | INF | UT SH | AFT | | | FLA | NGE N | IOUNT | ING | | OTH | IERS | |
| MODEL | D j6 | L | Н | Kp9 | M | d j6 | 1 | h | k p9 | m | J | Q | P | G | S | N | Α | Lf | |
| P170 | 90 | 130 | 100.0 | 25 | M16 | 70 | 100 | 74.5 | 20 | M16 | 280 | 10 | 310 | 306 | 17 | 12 | 340 | 546 | SINGLE |
| P180 | 110 | 170 | 116.0 | 28 | M20 | 70 | 100 | 74.5 | 20 | M16 | 320 | 12 | 350 | 378 | 17 | 12 | 385 | 655 | STAGE |
| P190 | 120 | 180 | 127.0 | 32 | M20 | 90 | 120 | 95 | 20 | M16 | 370 | 14 | 400 | 412 | 17 | 16 | 435 | 745 | |
| | | OUT | PUT SH | IAFT | | | INF | UT SH | AFT | | | FLA | NGE N | IOUNT | ING | | OTH | IERS | |
| MODEL | D j6 | L | Н | Kp9 | M | d j6 | 1 | h | kp9 | m | J | Q | P | G | S | N | A | Lf | |
| P270 | 90 | 130 | 100.0 | 25 | M16 | 70 | 100 | 74.5 | 20 | M16 | 280 | 10 | 310 | 306 | 17 | 12 | 340 | 615 | DOUBLE |
| P280 | 110 | 170 | 116.0 | 28 | M20 | 70 | 100 | 74.5 | 20 | M16 | 320 | 12 | 350 | 378 | 17 | 12 | 385 | 711 | STAGE |
| P290 | 120 | 180 | 127.0 | 32 | M20 | 90 | 120 | 95 | 20 | M16 | 370 | 14 | 400 | 412 | 17 | 16 | 435 | 825 | |
| ****** | | OUT | PUT SH | AFT | | | INF | UT SH | AFT | | , | FLA | NGEN | IOUNT | ING | - | OTH | IERS | |
| MODEL | D j6 | L | Н | Kp9 | M | d j6 | 1 | h | k p9 | m | J | Q | Р | G | S | N | A | Lf | |
| P370 | 90 | 130 | 100.0 | 25 | M16 | 70 | 100 | 74.5 | 20 | M16 | 280 | 10 | 310 | 306 | 17 | 12 | 340 | 681 | TRIPLE |
| P380 | 110 | 170 | 116.0 | 28 | M20 | 70 | 100 | 74.5 | 20 | M16 | 320 | 12 | 350 | 378 | 17 | 12 | 385 | 780 | STAGE |
| P390 | 120 | 180 | 127.0 | 32 | M20 | 90 | 120 | 95 | 20 | M16 | 370 | 14 | 400 | 412 | 17 | 16 | 435 | 885 | |
| MAGDEL | | OUT | PUT SH | AFT | | | INF | UT SH | AFT | - 1 | | FLA | NGEN | TOUNT | ING | | OTH | IERS | |
| MODEL | D j6 | L | Н | Kp9 | M | d j6 | 1 | h | k p9 | m | J | Q | Р | G | S | N | A | Lf | |
| P470 | 90 | 130 | 100.0 | 25 | M16 | 70 | 100 | 74.5 | 20 | M16 | 280 | 10 | 310 | 306 | 17 | 12 | 340 | 739 | FOURTH |
| P480 | 110 | 170 | 116.0 | 28 | M20 | 70 | 100 | 74.5 | 20 | M16 | 320 | 12 | 350 | 378 | 17 | 12 | 385 | 846 | STAGE |
| P490 | 120 | 180 | 127.0 | 32 | M20 | 90 | 120 | 95 | 20 | M16 | 370 | 14 | 400 | 412 | 17 | 16 | 435 | 948 | |



| | | | | DIM | NSIO | NS OF | FLANC | SE MO | UNTE | D HOL | LOW | INPUT | 01 | | | |
|---------|------|-----|--------|------|------|-------|-------|-------|-------|-------|-----|-------|----|-----|------|-----------------|
| | | OUT | PUT SI | IAFT | | | | FLA | NGE N | TOUNT | ING | | | OTH | IERS | |
| MODEL | D j6 | L | Н | K p9 | M | J | 0 | Q | R | P | G | S | N | Α | Lf | |
| P105 | 19 | 30 | 21.5 | 6 | M6 | 60 | 100 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 180 | |
| P110 | 24 | 38 | 27.0 | 8 | M6 | 80 | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 199 | |
| P120 | 28 | 40 | 31.0 | 8 | M8 | 90 | 145 | 4 | 12 | 120 | 47 | 13 | 4 | 135 | 224 | SINGLE |
| P130 | 38 | 50 | 41.0 | 10 | M10 | 110 | 160 | 5 | 12 | 135 | 58 | 9 | 8 | 155 | 263 | STAGE |
| P140 | 50 | 75 | 53.5 | 14 | M12 | 130 | 195 | 8 | 15 | 165 | 86 | 11 | 8 | 185 | 306 | O I A GE |
| P145 | 55 | 80 | 59.0 | 16 | M12 | 145 | 215 | 9 | 16 | 180 | 92 | 13 | 8 | 215 | 342 | |
| P150 | 60 | 90 | 64.0 | 18 | M16 | 160 | 240 | 10 | 18 | 200 | 103 | 13 | 8 | 235 | 369 | |
| P155 | 70 | 90 | 74.5 | 20 | M16 | 180 | 265 | 10 | 18 | 225 | 103 | 13 | 8 | 265 | 395 | |
| P160 | 80 | 110 | 85.5 | 22 | M16 | 235 | 290 | 10 | 23 | 265 | 123 | 14 | 8 | 290 | 454 | |
| 41124 | | OUT | PUT SI | IAFT | | | | FLA | NGEN | TOUNT | ING | | | OTH | IERS | |
| MODEL | D j6 | L | Н | Kp9 | M | J | 0 | Q | R | P | G | S | N | Α | Lf | |
| P205 | 19 | 30 | 21.5 | 6 | M6 | 60 | 100 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 208 | |
| P210 | 24 | 38 | 27.0 | 8 | M6 | 80 | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 230 | |
| P220 | 28 | 40 | 31.0 | 8 | M8 | 90 | 145 | 4 | 12 | 120 | 47 | 13 | 4 | 135 | 257 | DOUB! - |
| P230 | 38 | 50 | 41.0 | 10 | M10 | 110 | 160 | 5 | 12 | 135 | 58 | 9 | 8 | 155 | 303 | DOUBLE STAGE |
| P240 | 50 | 75 | 53.5 | 14 | M12 | 130 | 195 | 8 | 15 | 165 | 86 | 11 | 8 | 185 | 353 | STAGE |
| P245 | 55 | 80 | 59.0 | 16 | M12 | 145 | 215 | 9 | 16 | 180 | 92 | 13 | 8 | 215 | 386 | |
| P250 | 60 | 90 | 64.0 | 18 | M16 | 160 | 240 | 10 | 18 | 200 | 103 | 13 | 8 | 235 | 424 | |
| P255 | 70 | 90 | 74.5 | 20 | M16 | 180 | 265 | 10 | 18 | 225 | 103 | 13 | 8 | 265 | 468 | |
| P260 | 80 | 110 | 85.5 | 22 | M16 | 235 | 290 | 10 | 23 | 265 | 123 | 14 | 8 | 290 | 530 | |
| | | OUT | PUT SI | IAFT | | | | FLA | NGEN | OUNT | ING | 7 | | OTH | IERS | |
| MODEL | D i6 | L | Н | Kp9 | M | J | 0 | Q | R | P | G | S | N | Α | Lf | |
| P305 | 19 | 30 | 21.5 | 6 | M6 | 60 | 100 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 229 | |
| P310 | 24 | 38 | 27.0 | 8 | M6 | 80 | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 255 | |
| P320 | 28 | 40 | 31.0 | 8 | M8 | 90 | 145 | 4 | 12 | 120 | 47 | 13 | 4 | 135 | 274 | |
| P330 | 38 | 50 | 41.0 | 10 | M10 | 110 | 160 | 5 | 12 | 135 | 58 | 9 | 8 | 155 | 313 | TRIPLE |
| P340 | 50 | 75 | 53.5 | 14 | M12 | 130 | 195 | 8 | 15 | 165 | 86 | 11 | 8 | 185 | 376 | STAGE |
| P345 | 55 | 80 | 59.0 | 16 | M12 | 145 | 215 | 9 | 16 | 180 | 92 | 13 | 8 | 215 | 406 | |
| P350 | 60 | 90 | 64.0 | 18 | M16 | 160 | 240 | 10 | 18 | 200 | 103 | 13 | 8 | 235 | 439 | |
| P355 | 70 | 90 | 74.5 | 20 | M16 | 180 | 265 | 10 | 18 | 225 | 103 | 13 | 8 | 265 | 495 | |
| P360 | 80 | 110 | 85.5 | 22 | M16 | 235 | 290 | 10 | 23 | 265 | 123 | 14 | 8 | 290 | 521 | |
| MACOREL | | OUT | PUT SI | HAFT | | N | - : | FLA | NGEN | TOUNT | ING | | | OTI | HERS | |
| MODEL | D j6 | L | Н | Kp9 | M | J | 0 | Q | R | P | G | S | N | Α | Lf | |
| P405 | 19 | 30 | 21.5 | 6 | M6 | 60 | 100 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 264 | |
| P410 | 24 | 38 | 27.0 | 8 | M6 | 80 | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 283 | |
| P420 | 28 | 40 | 31.0 | 8 | M8 | 90 | 145 | 4 | 12 | 120 | 47 | 13 | 4 | 135 | 302 | FOURTU |
| P430 | 38 | 50 | 41.0 | 10 | M10 | 110 | 160 | 5 | 12 | 135 | 58 | 9 | 8 | 155 | 340 | FOURTH STAGE |
| P440 | 50 | 75 | 53.5 | 14 | M12 | 130 | 195 | 8 | 15 | 165 | 86 | 11 | 8 | 185 | 399 | STAGE |
| P445 | 55 | 80 | 59.0 | 16 | M12 | 145 | 215 | 9 | 16 | 180 | 92 | 13 | 8 | 215 | 426 | |
| P450 | 60 | 90 | 64.0 | 18 | M16 | 160 | 240 | 10 | 18 | 200 | 103 | 13 | 8 | 235 | 466 | |
| P455 | 70 | 90 | 74.5 | 20 | M16 | 180 | 265 | 10 | 18 | 225 | 103 | 13 | 8 | 265 | 538 | |
| P460 | 80 | 110 | 85.5 | 22 | M16 | 235 | 290 | 10 | 23 | 265 | 123 | 14 | 8 | 290 | 568 | |

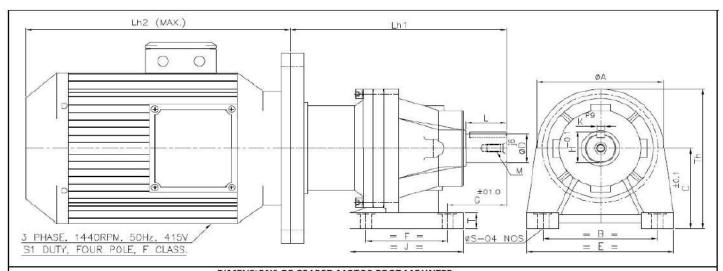




| | | | DIME | NSIO | NS OF | FLANC | SE MO | UNTE | D HOL | LOW | INPUT | 8 | | ACC |
|--------|------|-----|--------|------|-------|-------|-------|-------|-------|-----|-------|-----|------|-----------------|
| MODEL | | OUT | PUT SI | AFT | | | FLA | NGE N | OUNT | ING | | OTH | IERS | |
| MODEL | D j6 | L | Н | K p9 | M | J | Q | P | G | 5 | N | Α | Lh 🕤 | |
| P170 | 95 | 130 | 100.0 | 25 | M16 | 280 | 10 | 310 | 306 | 17 | 12 | 340 | 481 | SINGLE STAGE |
| P180 | 110 | 170 | 116.0 | 28 | M20 | 320 | 12 | 350 | 378 | 17 | 12 | 385 | 587 | O I A OL |
| P190 | 120 | 180 | 127.0 | 32 | M20 | 370 | 14 | 400 | 412 | 17 | 16 | 435 | 685 | |
| MAGDEL | | OUT | PUT SI | IAFT | | 8 | FLA | NGE N | IOUNT | ING | | OTH | IERS | |
| MODEL | D j6 | L | Н | Kp9 | M | J | Q | P | G | S | N | Α | Lh | DOUBLE. |
| P270 | 95 | 130 | 100.0 | 25 | M16 | 280 | 10 | 310 | 306 | 17 | 12 | 340 | 548 | DOUBLE |
| P280 | 110 | 170 | 116.0 | 28 | M20 | 320 | 12 | 350 | 378 | 17 | 12 | 385 | 646 | 17:50:00 |
| P290 | 120 | 180 | 127.0 | 32 | M20 | 370 | 14 | 400 | 412 | 17 | 16 | 435 | 748 | |
| | | OUT | PUT SH | IAFT | | | FLA | NGEN | IOUNT | ING | | OTH | IERS | |
| MODEL | D j6 | L | Н | Kp9 | M | J | Q | P | G | S | N | Α | Lh | |
| P370 | 95 | 130 | 100.0 | 25 | M16 | 280 | 10 | 310 | 306 | 17 | 12 | 340 | 630 | TRIPLE STAGE |
| P380 | 110 | 170 | 116.0 | 28 | M20 | 320 | 12 | 350 | 378 | 17 | 12 | 385 | 713 | - TAGE |
| P390 | 120 | 180 | 127.0 | 32 | M20 | 370 | 14 | 400 | 412 | 17 | 16 | 435 | 815 | |
| MACDEL | | OUT | PUT SI | AFT | | | FLA | NGE N | IOUNT | ING | | OTH | IERS | |
| MODEL | D j6 | L | Н | K p9 | M | J | Q | P | G | S | N | Α | Lh | FOURTH |
| P470 | 95 | 130 | 100.0 | 25 | M16 | 280 | 10 | 310 | 306 | 17 | 12 | 340 | 703 | FOURTH STAGE |
| P480 | 110 | 170 | 116.0 | 28 | M20 | 320 | 12 | 350 | 378 | 17 | 12 | 385 | 795 | OTAGE |
| P490 | 120 | 180 | 127.0 | 32 | M20 | 370 | 14 | 400 | 412 | 17 | 16 | 435 | 905 | |



1.6 SELECTION TABLE



DIMENSIONS OF GEARED MOTOR FOOT MOUNTED

| SINGLE STAGE | SIN | GL | Е: | ST | Ά | G | Е |
|--------------|-----|----|----|----|---|---|---|
|--------------|-----|----|----|----|---|---|---|

| MODEL | - | OUT | PUT SI | IAFT | | | | | FOOT | MOUN | NTING | | | | OTH | HERS |
|-------|------|-----|--------|------|-----|-----|-----|----|------|------|-------|-----|----|-------|-----|------|
| MODEL | D j6 | L | Н | Kp9 | M | В | E | T | С | F | J | G | S | Th | Α | Lh1 |
| P105 | 19 | 30 | 21.5 | 6 | M6 | 95 | 120 | 14 | 80 | 75 | 100 | 45 | 9 | 127.5 | 95 | 183 |
| P110 | 24 | 38 | 27.0 | 8 | M6 | 110 | 140 | 16 | 90 | 85 | 115 | 55 | 11 | 145 | 110 | 203 |
| P120 | 28 | 40 | 31.0 | 8 | M8 | 120 | 160 | 18 | 100 | 90 | 130 | 60 | 12 | 167.5 | 135 | 236 |
| P130 | 38 | 50 | 41.0 | 10 | M10 | 140 | 180 | 20 | 105 | 100 | 140 | 73 | 14 | 182.5 | 155 | 265 |
| P140 | 50 | 75 | 53.5 | 14 | M12 | 180 | 220 | 22 | 120 | 110 | 160 | 98 | 14 | 212.5 | 185 | 325 |
| P145 | 55 | 80 | 59.0 | 16 | M12 | 200 | 250 | 24 | 135 | 130 | 180 | 108 | 14 | 242.5 | 215 | 344 |
| P150 | 60 | 90 | 64.0 | 18 | M16 | 210 | 270 | 26 | 150 | 140 | 190 | 118 | 18 | 267.5 | 235 | 397 |
| P155 | 70 | 90 | 74.5 | 20 | M16 | 240 | 290 | 28 | 160 | 160 | 210 | 118 | 18 | 292.5 | 265 | 425 |
| P160 | 80 | 110 | 85.5 | 22 | M16 | 270 | 330 | 30 | 170 | 170 | 230 | 143 | 18 | 315 | 290 | 459 |

| | MOTOR 1440 RPM | 1 |
|------|----------------|-----|
| F.S. | H.P. | Lh2 |
| 71 | 0.5 | 210 |
| 80 | 0.75/1.0 | 262 |
| 90 | 1.5/2.0 | 324 |
| 100 | 3.0 | 325 |
| 112 | 5.0 | 373 |
| 132 | 7.5/10.0 | 428 |
| 160 | 12.5/15.0/20.0 | 523 |
| 180 | 25.0/30.0 | 583 |

DOUBLE STAGE

| MODEL | | OUT | PUT SI | IAFT | | | | | FOOT | MOUN | NTING | | | | OTH | IERS |
|-------|------|-----|--------|------|-----|-----|-----|----|------|------|-------|-----|----|-------|-----|------|
| MODEL | D j6 | L | н | К р9 | M | В | E | Т | С | F | 1 | G | S | Th | Α | Lh1 |
| P205 | 19 | 30 | 21.5 | - 6 | M6 | 95 | 120 | 14 | 80 | 75 | 100 | 45 | 9 | 127.5 | 95 | 212 |
| P210 | 24 | 38 | 27.0 | 8 | M6 | 110 | 140 | 16 | 90 | 85 | 115 | 55 | 11 | 145 | 110 | 227 |
| P220 | 28 | 40 | 31.0 | 8 | M8 | 120 | 160 | 18 | 100 | 90 | 130 | 60 | 12 | 167.5 | 135 | 258 |
| P230 | 38 | 50 | 41.0 | 10 | M10 | 140 | 180 | 20 | 105 | 100 | 140 | 73 | 14 | 182.5 | 155 | 303 |
| P240 | 50 | 75 | 53.5 | 14 | M12 | 180 | 220 | 22 | 120 | 110 | 160 | 98 | 14 | 212.5 | 185 | 363 |
| P245 | 55 | 80 | 59.0 | 16 | M12 | 200 | 250 | 24 | 135 | 130 | 180 | 108 | 14 | 242.5 | 215 | 384 |
| P250 | 60 | 90 | 64.0 | 18 | M16 | 210 | 270 | 26 | 150 | 140 | 190 | 118 | 18 | 267.5 | 235 | 434 |
| P255 | 70 | 90 | 74.5 | 20 | M16 | 240 | 290 | 28 | 160 | 160 | 210 | 118 | 18 | 292.5 | 265 | 470 |
| P260 | 80 | 110 | 85.5 | 22 | M16 | 270 | 330 | 30 | 170 | 170 | 230 | 143 | 18 | 315 | 290 | 537 |

TRIPLE STAGE

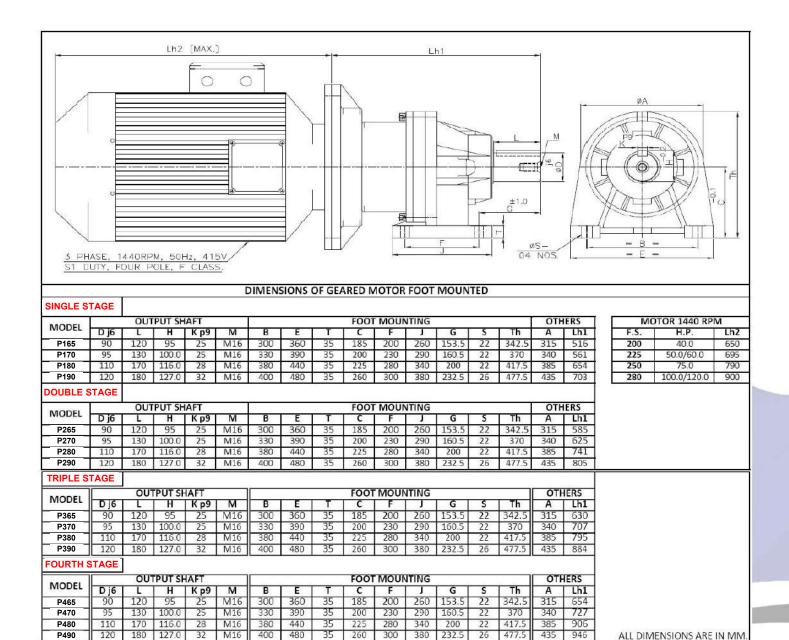
| MODEL | | 001 | TPUT SI | IAFT | | | | | FOOT | MOUN | ITING | V. | | | OTH | IERS |
|-------|------|-----|---------|------|-----|-----|-----|-----|------|------|-------|-----|----|-------|-----|------|
| MODEL | D j6 | L | Н | Кр9 | M | В | E | T | С | F | J | G | S | Th | Α | Lh1 |
| P305 | 19 | 30 | 21.5 | 6 | M6 | 95 | 120 | 14 | 80 | 75 | 100 | 45 | 9 | 127.5 | 95 | 241 |
| P310 | 24 | 38 | 27.0 | 8 | M6 | 110 | 140 | 16 | 90 | 85 | 115 | 55 | 11 | 145 | 110 | 260 |
| P320 | 28 | 40 | 31.0 | 8 | M8 | 120 | 160 | 18 | 100 | 90 | 130 | 60 | 12 | 167.5 | 135 | 276 |
| P330 | 38 | 50 | 41.0 | 10 | M10 | 140 | 180 | 20 | 105 | 100 | 140 | 73 | 14 | 182.5 | 155 | 325 |
| P340 | 50 | 75 | 53.5 | 14 | M12 | 180 | 220 | 22 | 120 | 110 | 160 | 98 | 14 | 212.5 | 185 | 401 |
| P345 | 55 | 80 | 59.0 | 16 | M12 | 200 | 250 | 24 | 135 | 130 | 180 | 108 | 14 | 242.5 | 215 | 430 |
| P350 | 60 | 90 | 64.0 | 18 | M16 | 210 | 270 | 26 | 150 | 140 | 190 | 118 | 18 | 267.5 | 235 | 466 |
| P355 | 70 | 90 | 74.5 | 20 | M16 | 240 | 290 | 28 | 160 | 160 | 210 | 118 | 18 | 292.5 | 265 | 526 |
| P360 | 80 | 110 | 85.5 | 22 | M16 | 270 | 330 | 3.0 | 170 | 170 | 230 | 143 | 18 | 315 | 290 | 576 |

FOURTH STAGE

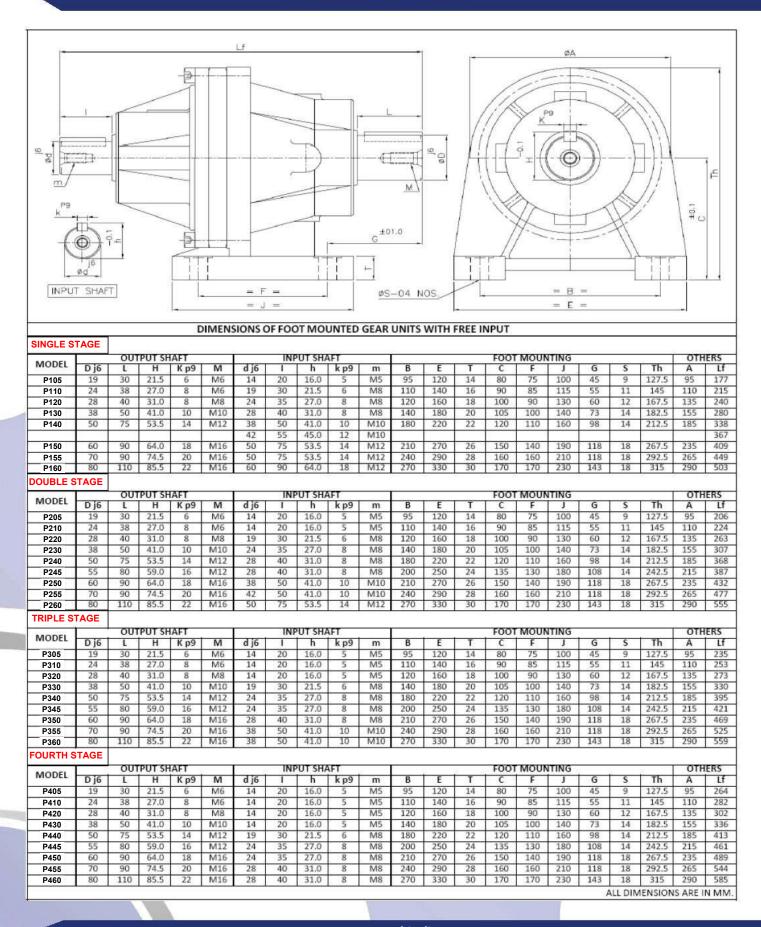
| MODEL | | 001 | PUT SH | AFT | | | | | FOOT | MOUN | ITING | | | | OTH | IERS |
|-------|------|-----|--------|-----|-----|-----|-----|----|------|------|-------|-----|----|-------|-----|------|
| MODEL | D j6 | L | Н | Кр9 | М | В | E | T | С | F | J | G | S | Th | Α | Lh1 |
| P405 | 19 | 30 | 21.5 | - 6 | M6 | 95 | 120 | 14 | 80 | 75 | 100 | 45 | 9 | 127.5 | 95 | 270 |
| P410 | 24 | 38 | 27.0 | - 8 | M6 | 110 | 140 | 16 | 90 | 85 | 115 | 55 | 11 | 145 | 110 | 288 |
| P420 | 28 | 40 | 31.0 | 8 | M8 | 120 | 160 | 18 | 100 | 90 | 130 | 60 | 12 | 167.5 | 135 | 309 |
| P430 | 38 | 50 | 41.0 | 10 | M10 | 140 | 180 | 20 | 105 | 100 | 140 | 73 | 14 | 182.5 | 155 | 343 |
| P440 | 50 | 75 | 53.5 | 14 | M12 | 180 | 220 | 22 | 120 | 110 | 160 | 98 | 14 | 212.5 | 185 | 413 |
| P445 | 55 | 80 | 59.0 | 16 | M12 | 200 | 250 | 24 | 135 | 130 | 180 | 108 | 14 | 242.5 | 215 | 462 |
| P450 | 60 | 90 | 64.0 | 18 | M16 | 210 | 270 | 26 | 150 | 140 | 190 | 118 | 18 | 267.5 | 235 | 496 |
| P455 | 70 | 90 | 74.5 | 20 | M16 | 240 | 290 | 28 | 160 | 160 | 210 | 118 | 18 | 292.5 | 265 | 559 |
| P460 | 80 | 110 | 85.5 | 22 | M16 | 270 | 330 | 30 | 170 | 170 | 230 | 143 | 18 | 315 | 290 | 607 |

ALL DIMENSIONS ARE IN MM.

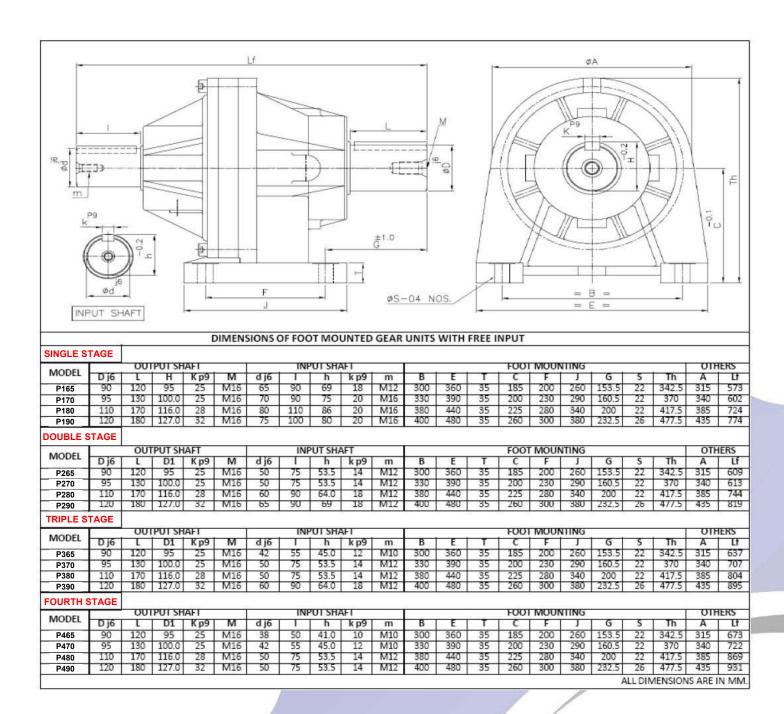






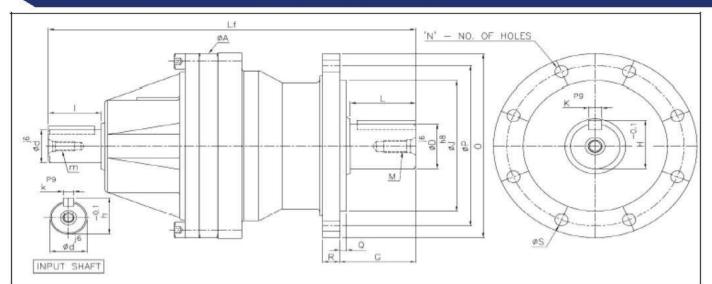








1.6 SELECTION TABLE



DIMENSIONS OF FLANGE MOUNTED GEAR UNITS WITH FREE INPUT

SINGLE STAGE

| *** | | OUT | PUT SI | HAFT | | | INP | UT SH | AFT | | | | FLA | NGE N | TOUNT | ING | | | OTH | IERS |
|-------|------|-----|--------|------|-----|------|-----|-------|------|-----|-----|-----|-----|-------|-------|-------|----|----|-----|------|
| MODEL | D j6 | L | Н | К р9 | M | d j6 | - 1 | h | k p9 | m | J | 0 | Q | R | Р | G | S | N | Α | Lf |
| P105 | 19 | 30 | 21.5 | 6 | M6 | 14 | 20 | 16.0 | 5 | M5 | 60 | 95 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 177 |
| P110 | 24 | 38 | 27.0 | 8 | M6 | 19 | 30 | 21.5 | 6 | M8 | 80 | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 215 |
| P120 | 28 | 40 | 31.0 | 8 | M8 | 24 | 35 | 27.0 | 8 | M8 | 90 | 140 | -4 | 12 | 120 | 47 | 11 | 4 | 135 | 240 |
| P130 | 38 | 50 | 41.0 | 10 | M10 | 28 | 40 | 31.0 | 8 | M8 | 110 | 155 | 5 | 13 | 135 | 58 | 10 | 8 | 155 | 280 |
| P140 | 50 | 75 | 53.5 | 14 | M12 | 38 | 50 | 41.0 | 10 | M10 | 130 | 185 | 8 | 15 | 165 | 86 | 12 | 8 | 185 | 338 |
| P145 | 55 | 80 | 59.0 | 16 | M12 | 42 | 55 | 45.0 | 12 | M10 | 145 | 210 | 9 | 16 | 180 | 92 | 14 | 8 | 215 | 367 |
| P150 | 60 | 90 | 64.0 | 18 | M16 | 50 | 75 | 53.5 | 14 | M12 | 160 | 235 | 10 | 18 | 200 | 103 | 14 | 8 | 235 | 409 |
| P155 | 70 | 90 | 74.5 | 20 | M16 | 50 | 75 | 53.5 | 14 | M12 | 180 | 260 | 10 | 20 | 225 | 103 | 14 | 8 | 265 | 449 |
| P160 | 80 | 110 | 85.5 | 22 | M16 | 60 | 90 | 64.0 | 18 | M12 | 200 | 290 | 10 | 23 | 250 | 123 | 14 | 8 | 290 | 503 |
| P165 | 90 | 120 | 95 | 25 | M16 | 65 | 90 | 69 | 18 | M12 | 210 | 310 | 10 | 22 | 260 | 143.5 | 14 | 12 | 315 | 573 |

DOUBLE STAGE

| MODEL | , | OUT | PUT SI | HAFT | | | INP | UT SH | AFT | 00 | | V 20 | FLA | NGE N | IOUNT | ING | | | OTH | IERS |
|-------|------|-----|--------|------|-----|------|-----|-------|------|-----|-----|------|-----|-------|-------|-------|----|----|-----|------|
| MODEL | D j6 | L | Н | К р9 | М | d j6 | 1 | h | k p9 | m | J | 0 | Q | R | Р | G | S | N | Α | Lf |
| P205 | 19 | 30 | 21.5 | 6 | M6 | 14 | 20 | 16.0 | 5 | M5 | 60 | 95 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 206 |
| P210 | 24 | 38 | 27.0 | 8 | M6 | 14 | 20 | 16.0 | 5 | M5 | 80 | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 224 |
| P220 | 28 | 40 | 31.0 | 8 | M8 | 19 | 30 | 21.5 | 6 | M8 | 90 | 140 | 4 | 12 | 120 | 47 | 11 | 4 | 135 | 263 |
| P230 | 38 | 50 | 41.0 | 10 | M10 | 24 | 35 | 27.0 | 8 | M8 | 110 | 155 | 5 | 13 | 135 | 58 | 10 | 8 | 155 | 307 |
| P240 | 50 | 75 | 53.5 | 14 | M12 | 28 | 40 | 31.0 | 8 | M8 | 130 | 185 | 8 | 15 | 165 | 86 | 12 | 8 | 185 | 368 |
| P245 | 55 | 80 | 59.0 | 16 | M12 | 28 | 40 | 31.0 | 8 | M8 | 145 | 210 | 9 | 16 | 180 | 92 | 14 | 8 | 215 | 387 |
| P250 | 60 | 90 | 64.0 | 18 | M16 | 38 | 50 | 41.0 | 10 | M10 | 160 | 235 | 10 | 18 | 200 | 103 | 14 | 8 | 235 | 432 |
| P255 | 70 | 90 | 74.5 | 20 | M16 | 38 | 50 | 41.0 | 10 | M10 | 180 | 260 | 10 | 20 | 225 | 103 | 14 | 8 | 265 | 477 |
| P260 | 80 | 110 | 85.5 | 22 | M16 | 50 | 75 | 53.5 | 14 | M12 | 200 | 290 | 10 | 23 | 250 | 123 | 14 | 8 | 290 | 555 |
| P265 | 90 | 120 | 95 | 25 | M16 | 50 | 75 | 53.5 | 14 | M12 | 210 | 310 | 10 | 22 | 260 | 143.5 | 14 | 12 | 315 | 609 |

TRIPLE STAGE

| MODEL | | OUT | PUT S | HAFT | | | INP | UT SH | AFT | | , , | | FLA | NGE N | IOUNT | ING | | | OTH | IERS |
|-------|------|-----|-------|------|-----|------|-----|-------|------|----|-----|-----|-----|-------|-------|-----|----|---|-----|------|
| MODEL | D j6 | L | н | K p9 | M | d j6 | - 1 | h | k p9 | m | J | 0 | Q | R | Р | G | S | N | Α | Lf |
| P305 | 19 | 30 | 21.5 | 6 | M6 | 14 | 20 | 16.0 | 5 | M5 | 60 | 95 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 235 |
| P310 | 24 | 38 | 27.0 | 8 | M6 | 14 | 20 | 16.0 | 5 | M5 | 80 | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 253 |
| P320 | 28 | 40 | 31.0 | 8 | M8 | 14 | 20 | 16.0 | 5 | M5 | 90 | 140 | 4 | 12 | 120 | 47 | 11 | 4 | 135 | 273 |
| P330 | 38 | 50 | 41.0 | 10 | M10 | 19 | 30 | 21.5 | 6 | M8 | 110 | 155 | 5 | 13 | 135 | 58 | 10 | 8 | 155 | 330 |

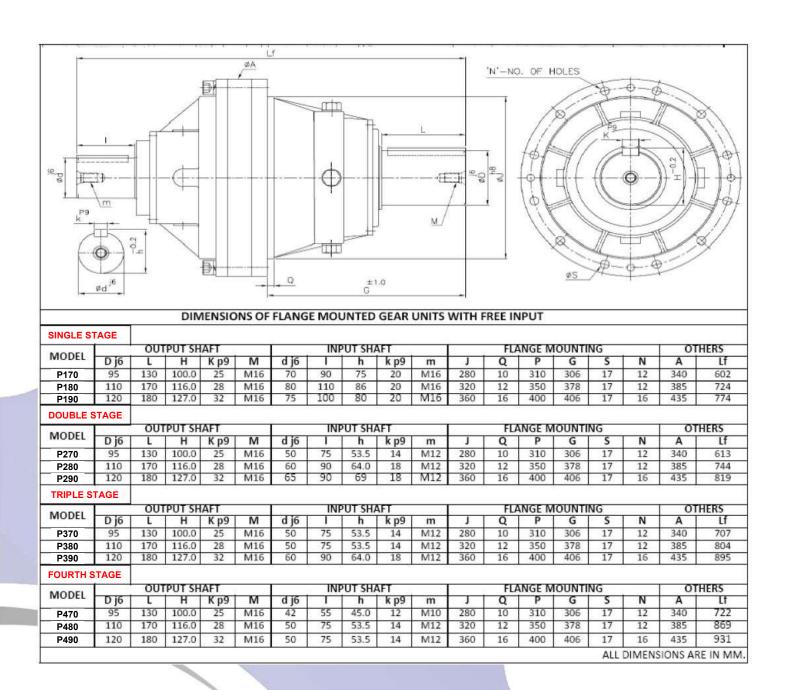


| P340 | 50 | 75 | 53.5 | 14 | M12 | 24 | 35 | 27.0 | 8 | M8 | 130 | 185 | 8 | 15 | 165 | 86 | 12 | 8 | 185 | 395 |
|------|----|-----|------|----|-----|----|----|------|----|-----|-----|-----|----|----|-----|-------|----|----|-----|-----|
| P345 | 55 | 80 | 59.0 | 16 | M12 | 24 | 35 | 27.0 | 8 | M8 | 145 | 210 | 9 | 16 | 180 | 92 | 14 | 8 | 215 | 421 |
| P350 | 60 | 90 | 64.0 | 18 | M16 | 28 | 40 | 31.0 | 8 | M8 | 160 | 235 | 10 | 18 | 200 | 103 | 14 | 8 | 235 | 469 |
| P355 | 70 | 90 | 74.5 | 20 | M16 | 38 | 50 | 41.0 | 10 | M10 | 180 | 260 | 10 | 20 | 225 | 103 | 14 | 8 | 265 | 525 |
| P360 | 80 | 110 | 85.5 | 22 | M16 | 38 | 50 | 41.0 | 10 | M10 | 200 | 290 | 10 | 23 | 250 | 123 | 14 | 8 | 290 | 559 |
| P365 | 90 | 120 | 95 | 25 | M16 | 42 | 55 | 45.0 | 12 | M10 | 210 | 310 | 10 | 22 | 260 | 143.5 | 14 | 12 | 315 | 637 |

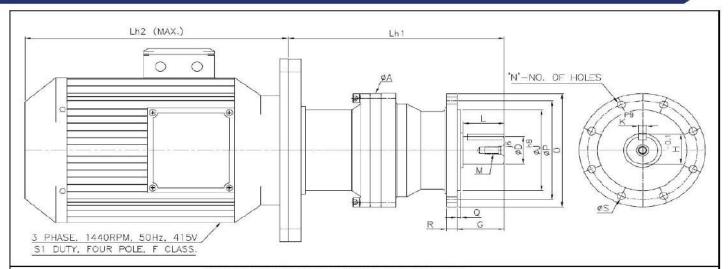
FOURTH STAGE

| MODEL | | OUT | PUT S | HAFT | | | INP | UT SH | AFT | | | | FLA | NGE N | NOUN | TING | | | OTH | IERS |
|-------|------|-----|-------|------|-----|------|-----|-------|------|-----|-----|-----|-----|-------|------|-------|------|--------|-------|------|
| MODEL | D j6 | L | Н | Kp9 | M | d j6 | -1 | h | k p9 | m | J | 0 | Q | R | Р | G | S | N | Α | Lf |
| P405 | 19 | 30 | 21.5 | 6 | M6 | 14 | 20 | 16.0 | 5 | M5 | 60 | 95 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 264 |
| P410 | 24 | 38 | 27.0 | 8 | M6 | 14 | 20 | 16.0 | 5 | M5 | 80 | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 282 |
| P420 | 28 | 40 | 31.0 | 8 | M8 | 14 | 20 | 16.0 | 5 | M5 | 90 | 140 | 4 | 12 | 120 | 47 | 11 | 4 | 135 | 302 |
| P430 | 38 | 50 | 41.0 | 10 | M10 | 14 | 20 | 16.0 | 5 | M5 | 110 | 155 | 5 | 13 | 135 | 58 | 10 | 8 | 155 | 336 |
| P440 | 50 | 75 | 53.5 | 14 | M12 | 19 | 30 | 21.5 | 6 | M8 | 130 | 185 | 8 | 15 | 165 | 86 | 12 | 8 | 185 | 413 |
| P445 | 55 | 80 | 59.0 | 16 | M12 | 24 | 35 | 27.0 | 8 | M8 | 145 | 210 | 9 | 16 | 180 | 92 | 14 | 8 | 215 | 461 |
| P450 | 60 | 90 | 64.0 | 18 | M16 | 24 | 35 | 27.0 | 8 | M8 | 160 | 235 | 10 | 18 | 200 | 103 | 14 | 8 | 235 | 489 |
| P455 | 70 | 90 | 74.5 | 20 | M16 | 28 | 40 | 31.0 | 8 | M8 | 180 | 260 | 10 | 20 | 225 | 103 | 14 | 8 | 265 | 544 |
| P460 | 80 | 110 | 85.5 | 22 | M16 | 28 | 40 | 31.0 | - 8 | M8 | 200 | 290 | 10 | 23 | 250 | 123 | 14 | 8 | 290 | 585 |
| P465 | 90 | 120 | 95 | 25 | M16 | 38 | 50 | 41.0 | 10 | M10 | 210 | 310 | 10 | 22 | 260 | 143.5 | 14 | 12 | 315 | 673 |
| | | | | | | | | | di. | | | | | | | ALL D | IMEN | ISIONS | AREIN | MM |









DIMENSIONS OF GEARED MOTOR FLANGE MOUNTED

| | | OUT | PUT SH | AFT | | | | FLA | NGE N | OUNT | NG | | | OTH | IERS |
|-------|------|-----|---------------|------|-----|-----|-----|-----|-------|------|-------|----|----|-----|------|
| MODEL | D j6 | L | Н | К р9 | M | J | 0 | Q | R | P | G | S | N | Α | Lh1 |
| P105 | 19 | 30 | 21.5 | 6 | M6 | 50 | 95 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 183 |
| P110 | 24 | 38 | 27.0 | 8 | M6 | 80 | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 203 |
| P120 | 28 | 40 | 31.0 | 8 | M8 | 90 | 140 | 4 | 12 | 120 | 47 | 11 | 4 | 135 | 236 |
| P130 | 38 | 50 | 41.0 | 10 | M10 | 110 | 155 | 5 | 13 | 135 | 58 | 10 | 8 | 155 | 265 |
| P140 | 50 | 75 | 53.5 | 14 | M12 | 130 | 185 | 8 | 15 | 165 | 86 | 12 | 8 | 185 | 325 |
| P145 | 55 | 80 | 59.0 | 16 | M12 | 145 | 210 | 9 | 16 | 180 | 92 | 14 | 8 | 215 | 344 |
| P150 | 60 | 90 | 64.0 | 18 | M16 | 160 | 235 | 10 | 18 | 200 | 103 | 14 | 8 | 235 | 397 |
| P155 | 70 | 90 | 74.5 | 20 | M16 | 180 | 260 | 10 | 20 | 225 | 103 | 14 | 8 | 265 | 425 |
| P160 | 80 | 110 | 85.5 | 22 | M16 | 200 | 290 | 10 | 23 | 250 | 123 | 14 | 8 | 290 | 459 |
| P165 | 90 | 120 | 95 | 25 | M16 | 210 | 310 | 10 | 22 | 260 | 143.5 | 14 | 12 | 315 | 516 |

| M | OTOR 1440 RPI | VI |
|------|---------------|-----|
| F.S. | H.P. | Lh2 |
| 71 | 0.5 | 210 |
| 80 | 0.75/1.0 | 262 |
| 90 | 1.5/2.0 | 324 |
| 100 | 3.0 | 325 |
| 112 | 5.0 | 373 |
| 132 | 7.5/10.0 | 428 |
| 160 | 2.5/15.0/20 | 523 |
| 180 | 25.0/30.0 | 583 |
| 200 | 40.0 | 650 |

DOUBLE STAGE

| MODEL | | OUT | PUT SH | AFT | | | | FLA | INGE N | TOUNT | NG | | | OTH | IERS |
|-------|------|-----|---------------|------|-----|-----|-----|-----|--------|-------|-------|----|----|-----|------|
| MODEL | D j6 | L | н | К р9 | M | J | 0 | Q | R | P | G | S | N | Α | Lh1 |
| P205 | 19 | 30 | 21.5 | 6 | M6 | 50 | 95 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 212 |
| P210 | 24 | 38 | 27.0 | 8 | M6 | 80 | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 227 |
| P220 | 28 | 40 | 31.0 | 8 | M8 | 90 | 140 | 4 | 12 | 120 | 47 | 11 | 4 | 135 | 258 |
| P230 | 38 | 50 | 41.0 | 10 | M10 | 110 | 155 | 5 | 13 | 135 | 58 | 10 | 8 | 155 | 303 |
| P240 | 50 | 75 | 53.5 | 14 | M12 | 130 | 185 | 8 | 15 | 165 | 85 | 12 | 8 | 185 | 363 |
| P245 | 55 | 80 | 59.0 | 16 | M12 | 145 | 210 | 9 | 16 | 180 | 92 | 14 | 8 | 215 | 384 |
| P250 | 60 | 90 | 64.0 | 18 | M16 | 160 | 235 | 10 | 18 | 200 | 103 | 14 | 8 | 235 | 434 |
| P255 | 70 | 90 | 74.5 | 20 | M16 | 180 | 260 | 10 | 20 | 225 | 103 | 14 | 8 | 265 | 470 |
| P260 | 80 | 110 | 85.5 | 22 | M16 | 200 | 290 | 10 | 23 | 250 | 123 | 14 | 8 | 290 | 537 |
| P265 | 90 | 120 | 95 | 25 | M15 | 210 | 310 | 10 | 22 | 250 | 143.5 | 14 | 12 | 315 | 585 |

TRIPLE STAGE

| MODEL | | OUT | TPUT SH | AFT | | | | FLA | ANGE N | NOUNT | ING | | | OTH | IERS |
|-------|------|-----|----------------|------|-----|-----|-----|-----|--------|-------|-------|----|----|-----|------|
| MODEL | D j6 | L | Н | K p9 | M | J | 0 | Q | R | P | G | S | N | Α | Lh1 |
| P305 | 19 | 30 | 21.5 | б | M6 | 60 | 95 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 241 |
| P310 | 24 | 38 | 27.0 | 8 | M6 | 80 | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 250 |
| P320 | 28 | 40 | 31.0 | 8 | M8 | 90 | 140 | 4 | 12 | 120 | 47 | 11 | 4 | 135 | 276 |
| P330 | 38 | 50 | 41.0 | 10 | M10 | 110 | 155 | 5 | 13 | 135 | 58 | 10 | 8 | 155 | 325 |
| P340 | 50 | 75 | 53.5 | 14 | M12 | 130 | 185 | 8 | 15 | 165 | 86 | 12 | 8 | 185 | 401 |
| P345 | 55 | 80 | 59.0 | 16 | M12 | 145 | 210 | 9 | 16 | 180 | 92 | 14 | 8 | 215 | 430 |
| P350 | 60 | 90 | 64.0 | 18 | M16 | 160 | 235 | 10 | 18 | 200 | 103 | 14 | 8 | 235 | 466 |
| P355 | 70 | 90 | 74.5 | 20 | M16 | 180 | 260 | 10 | 20 | 225 | 103 | 14 | 8 | 265 | 526 |
| P360 | 80 | 110 | 85.5 | 22 | M16 | 200 | 290 | 10 | 23 | 250 | 123 | 14 | 8 | 290 | 576 |
| P365 | 90 | 120 | 95 | 25 | M16 | 210 | 310 | 10 | 22 | 260 | 143.5 | 14 | 12 | 315 | 630 |

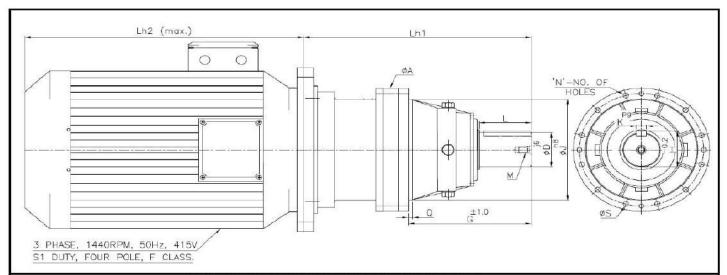
FOURTH STAGE

| MODEL | | OUT | PUT SE | AFT | | | FLANGE MOUNTING | | | | | | | | OTHERS | |
|-------|------|-----|--------|------|-----|-----|-----------------|----|----|-----|-------|----|----|-----|--------|--|
| MODEL | D j6 | L | Н | K p9 | M | J | 0 | Q | R | P | G | S | N | Α | Lh1 | |
| P405 | 19 | 30 | 21.5 | 6 | M6 | 60 | 95 | 3 | 10 | 80 | 35 | 9 | 4 | 95 | 270 | |
| P410 | 24 | 38 | 27.0 | 8 | M6 | 80 | 120 | 3 | 11 | 100 | 43 | 11 | 4 | 110 | 288 | |
| P420 | 28 | 40 | 31.0 | 8 | M8 | 90 | 140 | 4 | 12 | 120 | 47 | 11 | 4 | 135 | 309 | |
| P430 | 38 | 50 | 41.0 | 10 | M10 | 110 | 155 | 5 | 13 | 135 | 58 | 10 | 8 | 155 | 343 | |
| P440 | 50 | 75 | 53.5 | 14 | M12 | 130 | 185 | 8 | 15 | 165 | 86 | 12 | 8 | 185 | 413 | |
| P445 | 55 | 80 | 59.0 | 16 | M12 | 145 | 210 | 9 | 16 | 180 | 92 | 14 | 8 | 215 | 462 | |
| P450 | 60 | 90 | 64.0 | 18 | M16 | 160 | 235 | 10 | 18 | 200 | 103 | 14 | 8 | 235 | 496 | |
| P455 | 70 | 90 | 74.5 | 20 | M16 | 180 | 260 | 10 | 20 | 225 | 103 | 14 | 8 | 265 | 559 | |
| P460 | 80 | 110 | 85.5 | 22 | M16 | 200 | 290 | 10 | 23 | 250 | 123 | 14 | 8 | 290 | 607 | |
| P465 | 90 | 120 | 95 | 25 | M16 | 210 | 310 | 10 | 22 | 260 | 143.5 | 14 | 12 | 315 | 654 | |

ALL DIMENSIONS ARE IN MM.



1.6 SELECTION TABLE



DIMENSIONS OF GEARED MOTOR FLANGE MOUNTED

SINGLE STAGE

| MODEL | | OUTPUT SHAFT | | | | | | FLANGE MOUNTING | | | | | | |
|-------|------|--------------|-------|------|-----|-----|----|-----------------|-----|----|----|-----|-----|--|
| | D j6 | L | Н | K p9 | М | J | Q | Р | G | S | N | Α | Lh1 | |
| P170 | 95 | 130 | 100.0 | 25 | M16 | 280 | 10 | 310 | 306 | 17 | 12 | 340 | 561 | |
| P180 | 110 | 170 | 116.0 | 28 | M16 | 320 | 12 | 350 | 378 | 17 | 12 | 385 | 654 | |
| P190 | 120 | 180 | 127.0 | 32 | M16 | 360 | 16 | 400 | 406 | 17 | 16 | 435 | 703 | |

| Λ. | MOTOR 1440 RPM | | | | | | | | | | | |
|------|----------------|-----|--|--|--|--|--|--|--|--|--|--|
| F.S. | H.P. | Lh2 | | | | | | | | | | |
| 225 | 50.0/60.0 | 695 | | | | | | | | | | |
| 250 | 75.0 | 790 | | | | | | | | | | |
| 280 | 100.0/120.0 | 900 | | | | | | | | | | |

DOUBLE STAGE

| MODEL | | OUT | PUTSH | AFT | | - | OTHERS | | | | | | |
|-------|------|-----|-------|------|-----|-----|--------|-----|-----|----|----|-----|-----|
| | D j6 | L | н | К р9 | М | J | Q | Р | G | 5 | N | Α | Lh1 |
| P270 | 95 | 130 | 100.0 | 25 | M16 | 280 | 10 | 310 | 306 | 17 | 12 | 340 | 625 |
| P280 | 110 | 170 | 116.0 | 28 | M16 | 320 | 12 | 350 | 378 | 17 | 12 | 385 | 741 |
| P290 | 120 | 180 | 127.0 | 32 | M16 | 360 | 16 | 400 | 406 | 17 | 16 | 435 | 805 |

TRIPLE STAGE

| MODEL | | OU. | TPUT SH | IAFT | | | OTHERS | | | | | | |
|-------|------|-----|---------|------|-----|-----|--------|-----|-----|----|----|-----|-----|
| MODEL | D j6 | L | Н | K p9 | М | J | Q | Р | G | S | N | Α | Lh1 |
| P370 | 95 | 130 | 100.0 | 25 | M16 | 280 | 10 | 310 | 306 | 17 | 12 | 340 | 707 |
| P380 | 110 | 170 | 116.0 | 28 | M16 | 320 | 12 | 350 | 378 | 17 | 12 | 385 | 795 |
| P390 | 120 | 180 | 127.0 | 32 | M16 | 360 | 16 | 400 | 406 | 17 | 16 | 435 | 884 |

FOURTH STAGE

| MODEL | | OU. | TPUT SH | AFT | | | FL | | OTHERS | | | | |
|-------|------|-----|---------|------|-----|-----|----|-----|--------|----|----|-----|-----|
| MODEL | D j6 | L | Н | К р9 | М | J | Q | Р | G | S | N | Α | Lh1 |
| P470 | 95 | 130 | 100.0 | 25 | M16 | 280 | 10 | 310 | 306 | 17 | 12 | 340 | 727 |
| P480 | 110 | 170 | 116.0 | 28 | M16 | 320 | 12 | 350 | 378 | 17 | 12 | 385 | 906 |
| P490 | 120 | 180 | 127.0 | 32 | M16 | 360 | 16 | 400 | 406 | 17 | 16 | 435 | 946 |

ALL DIMENSIONS ARE IN MM.



MAINTENANCE

- Check the tightness of mounting bolts, after the initial 50 hours of operation.
- Change the oil first after 100 -150 hours operation.
- Subsequently, change the oil every 2000 3000 hours operation depending on application
- Alternatively change oil once in a year
- Check the oil level in the gearbox every month and top up as required
- Have a general checkup every day

STORAGE

Observe the following instructions to ensure correct storage of delivered products.

- Do not store outdoors, in areas exposed to weather or with excessive humidity.
- Always place boards in wood or other material between floor and products to avoid direct contact with the floor.
- For storage periods of over 60 days all machined surfaces such as flanges, shafts and couplings must be protected with a suitable anti-oxidation product (Mobilarma 248 or equivalent product).
- The following measures must be taken in receipt of products for which the expected storage period exceeds 6 months.
- 1) Cover outer machined parts and mating parts with grease to avoid oxidation.
- 2) Position the gearbox with the breather plug up and fill them with oil. Before use the gearbox should be filled with the proper amount of lubricant of the recommended type.

SUPPLY CONDITIONS

Gearboxes are supplied as follows:

- Ready for installation in the mounting position as specified purchase order.
- Dry inner parts are protected by the oil used for final testing. (without oil filled)
- Painted with colors. Mating surface are not painted
- Tested to in house specifications
- Suitably packed
- Supplied with mounting nuts & bolts for IEC electric motors or hydraulic motors



Worm Planetary Gear Box Foot Mounted Hollow Output



Bevel Planetary Gear Box Foot Mounted



Crystliser Sugar Gear Box



Planetary Gear Box Fitted With HYD Motor



Planetary Gear Box Foot Mounted Hollow Input



Heavy Duty Planetary Geared Motor Foot Mounted



Worm Planetary Geared Flange Mounted Downward Type



POWERTEK EQUIPMENT COMPANY

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