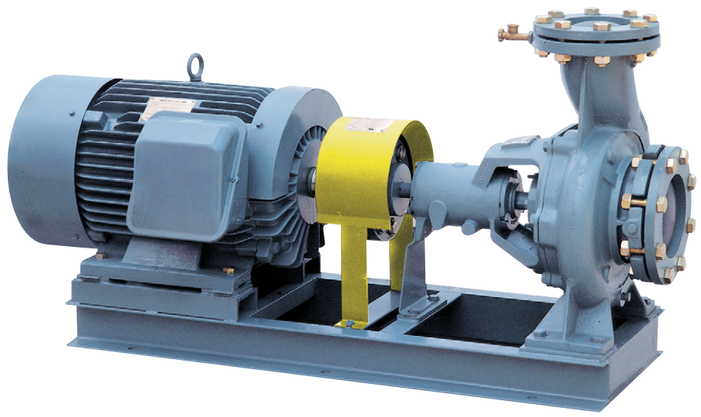
놈(영문)-1월 최종 2011.1.19 9:56 AM 페이지1

# Contents

# Norm, Multistage and Split Case Pumps


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# End Suction Pump
## PSV Series

Product Introduction



## Design and structural features

1. 3D impeller for efficient flow of water
2. Dimension of stuffing box complying with KS B 7501 (ISO3069) makes easy installation and maintenance of mechanical seal
3. Excellent inter-changeability: single products covers wide ranges
4. Back pull-out design for easy maintenance.
5. Top center line discharge: balanced piping
6. Less vibration and noise by optimized design

## Strengths of WILO PSV End Suction Pump

- High efficiency design
- Improved endurance (higher grade of bearing than competitors)
- Constructed as per KS standard (Good interchangeability)
- As 10kgf/cm² is applied, it is firm and covers wide range.
- Sleeve is installed at the shaft to lengthen the shaft life time.
- As waterway of the impeller applied shell core, it reduces flow loss inside the waterway.
- Flexible material of construction (Ductile Iron, Bronze, SS, etc)

## Application

- Clean water
- Industrial plant
- Commercial building, Water treatment
- Irrigation
- HVAC, Fire fighting



# End Suction Pump
## PSV Series

Product Information

### 1. Applicable liquid (clean water within 0~100°C, ph6-8)

In case of pumping liquid other than water, please contact us for technical clearance.

### 2. Suction Head

Please refer to the table below for minimum suction pressure.

### Allowed value of total suction head

| Fluid temperature | Inlet Size | Total suction pressure |
|---|---|---|
| 0°C~40°C | 50 ~ 80mm | Less than -6m |
| | 100 ~ 125mm | Less than -5.5m |

### Correction value of total suction head (from above table)

| Temperature | Correction value |
|---|---|
| 40°C ~ 50°C | +1 |
| 50°C ~ 60°C | +2 |
| 60°C ~ 70°C | +3.5 |
| 70°C ~ 80°C | +5 |
| 80°C ~ 90°C | +7 |
| 90°C ~ 95°C | +9 |
| 95°C ~ 100°C | +11 |

### Allowed value of Standard suction pressure

Suction pressure must be less than 4kgf/cm² and within [10 - Pump shut-off head Total head / 10 ] kgf/cm². Also, make sure that the suction pressure does not change instantaneously. Please contact us for other conditions.

### 3. Important operating condition

In case of very frequent operation by automatic controller, material of impeller shall be bronze or above (such as stainless steel). And please make sure that number of operation shall not exceed 12times an hour. Please minimize friction loss at inlet piping to avoid water hammer

## Impeller

Closed type with swept back clearing vanes to balance axial thrust. Hydraulically and dynamically balanced.



Fluid flows in swirl.
■ Previous impellers



Fluid flows constantly
■ 3D Impeller

*Semi-Open Type Impeller is also available. (in stainless steel)

## Standards

- KS B 7501
- ISO 2858
- JIS B 8313

Structures and functions of single stage volute pumps are designed to meet above regulations.

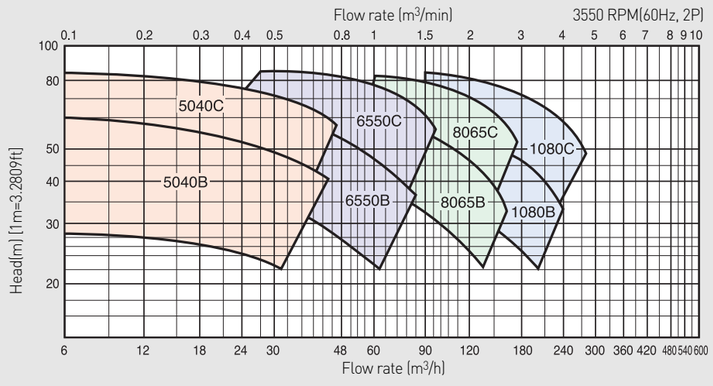
## Options

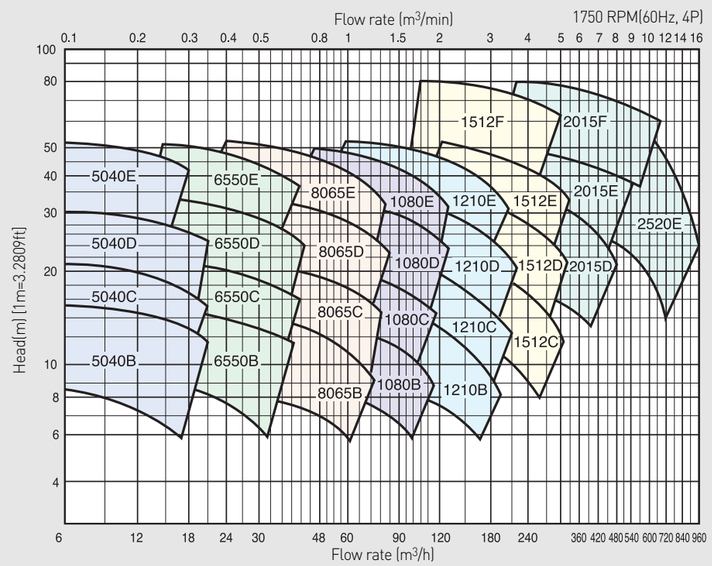
Mechanical seal, Bearing Oil lubrication, Material of construction for Hydrauliccomponents

## Model

| Pump Type | Suction Bore(mm) | Discharge Bore(mm) | Impeller Dia.(mm) |
|---|---|---|---|
| SINGLE STAGE VOLUTE | 25:250<br>20:200<br>15:150<br>12:125<br>10:100<br>80:80<br>65:65<br>50:50 | 20:200<br>15:150<br>12:125<br>10:100<br>80:80<br>65:65<br>50:50<br>40:40 | B:160<br>C:200<br>D:250<br>E:315<br>F:400 |
| PSV | - 65 | 50 | D |

## Selection Chart

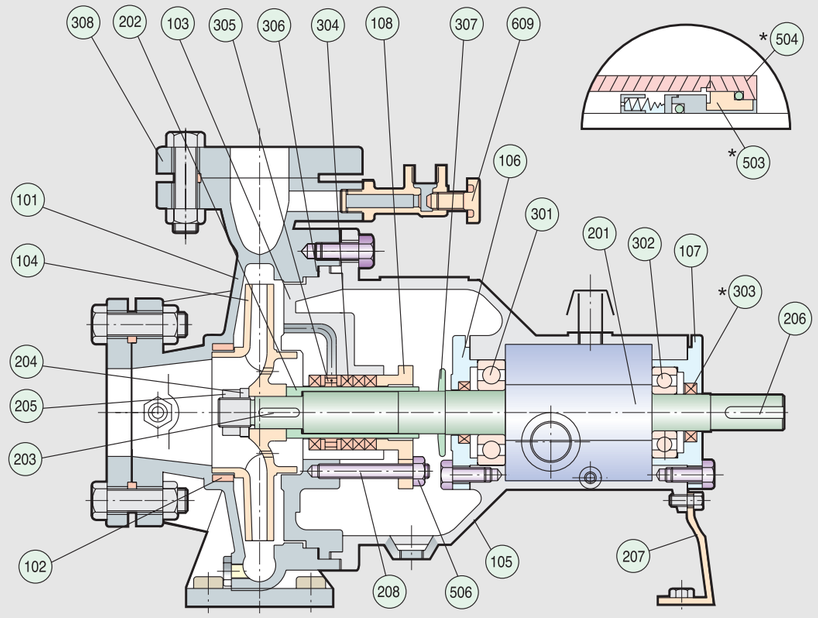







## Sectional drawing




*: Option Parts
#: Recommended Spare Parts

| No. | Parts | Material | QTY |
|---|---|---|---|
| 101 | CASING | GC200 | 1 |
| # 102 | CASING RING | GC200 | 1 |
| 103 | CASING COVER | GC200 | 1 |
| # 104 | IMPELLER | GC200 | 1 |
| 105 | BEARING HOUSING | GC200 | 1 |
| 106 | BEARING COVER(A) | GC200 | 1 |
| 107 | BEARING COVER(B) | GC200 | 1 |
| 108 | GLAND | GC200 | 1 |
| 201 | SHAFT | SM45C | 1 |
| # 202 | SLEEVE | STS304 | 1 |
| # 203 | IMPELLER KEY | SM45C | 1 |
| 204 | IMPELLER WASHER | STS304 | 1 |
| 205 | IMPELLER NUT | SS400 | 1 |
| 206 | COUPLING KEY | SM45C | 1 |

| No. | Parts | Material | QTY |
|---|---|---|---|
| 207 | SUPPORT | SCP1 | 1 |
| 208 | GLAND BOLT | STS304 | 2/4 |
| #301 | BALL BEARING(A) | STB2 | 1 |
| #302 | BALL BEARING(B) | STB2 | 1 |
| *303 | OIL SEAL | NBR | 1 |
| #304 | GLAND PACKING | TEFLON | 4 |
| 305 | LANTERN RING | NORYL/BC6 | 1 |
| #306 | CASING GASKET | NBR | 1 |
| 307 | DEFLECTOR | NR610 | 1 |
| * 503 | MECHANICAL SEAL | | 1 |
| * 504 | M/SEAL COVER | SM45C | 1 |
| 506 | HEX NUT | C3602BD | 2/4 |
| 609 | PRIMING PIPE | HBsC1 | 1 |

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# End Suction Pump

## PSV Series

### Selection Table

1750RPM (60Hz, 4P)

| H \ Q | 3 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 72 | 84 | 96 | 108 | 120 | Q \ H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | | | | | | | | | | | | | | | | | 85 |
| 80 | | | | | | | | | | | | | | | 1512F 55 2 | 1512F 55 2,2 | 80 |
| 75 | | | | | | | | | | | | | | | 1512F 55 2 | 1512F 55 2,2 | 75 |
| 70 | | | | | | | | | | | | | | | 1512F 45 2 | 1512F 55 2,2 | 70 |
| 65 | | | | | | | | | | | | | | | 1512F 45 2 | 1512F 55 2,2 | 65 |
| 60 | | | | | | | | | | | | | | | 1512F 45 2 | 1512F 45 2,2 | 60 |
| 55 | | | | | | | 1080E 15 2,5 | | | | 1210E 22 3 | 1210E 22 2,4 | | 1512E 30 2,4 | 1512E 37 2,4 | 1512F 45 2,2 | 55 |
| 52 | | | | | 8065E 15 3 | 8065E 15 3 | 1080E 15 2,8 | 1080E 15 2 | 1080E 15 1,8 | 1080E 18,5 1,7 | 1210E 18,5 2 | 1210E 22 2,4 | 1210E 30 2,2 | 1210E 30 2,3 | 1210E 30 2,4 | 1512E 37 2,3 | 52 |
| 50 | 5040E 5,5 4,2 | 5040E 7,5 3,3 | | 6550E 11 3 | 8065E 11 2 | 8065E 11 3 | 8065E 15 2,8 | 1080E 15 2 | 1080E 15 1,8 | 1080E 18,5 1,7 | 1080E 18,5 2 | 1210E 22 2,4 | 1210E 22 2,2 | 1210E 30 2,3 | 1210E 30 2,4 | 1210E 30 2,5 | 50 |
| 48 | 5040E 5,5 4,2 | 5040E 5,5 3,3 | 5040E 7,5 2,8 | 6550E 11 3 | 6550E 11 2 | 8065E 11 3 | 8065E 15 2,8 | 8065E 15 2 | 1080E 15 2 | 1080E 18,5 1,7 | 1080E 18,5 2 | 1080E 18,5 2 | 1210E 22 2,2 | 1210E 22 2,3 | 1210E 30 2,4 | 1210E 30 2,5 | 48 |
| 46 | 5040E 5,5 3,3 | 5040E 5,5 2,6 | 5040E 7,5 2,8 | 6550E 7,5 3 | 6550E 11 2 | 8065E 11 2,1 | 8065E 11 2,8 | 8065E 15 2 | 8065E 15 2 | 1080E 15 2,2 | 1080E 18,5 2 | 1080E 18,5 2 | 1080E 22 2,2 | 1210E 22 2,3 | 1210E 30 2,4 | 1210E 30 2,5 | 46 |
| 44 | 5040E 5,5 3,3 | 5040E 5,5 2,6 | 5040E 5,5 2,4 | 6550E 7,5 2,8 | 6550E 11 2 | 6550E 11 2,1 | 8065E 11 2,8 | 8065E 15 2 | 8065E 15 2 | 8065E 15 2,2 | 1080E 18,5 2 | 1080E 18,5 2 | 1080E 18,5 2,2 | 1080E 22 2,3 | 1210E 22 2,4 | 1210E 30 2,5 | 44 |
| 42 | 5040E 5,5 3,3 | 5040E 5,5 2,6 | 5040E 5,5 2,4 | 6550E 7,5 2,8 | 6550E 11 2,5 | 6550E 11 2,1 | 8065E 11 2,7 | 8065E 15 2 | 8065E 15 2 | 8065E 15 2,2 | 8065E 15 2,3 | 1080E 15 2 | 1080E 18,5 2,2 | 1080E 18,5 2,3 | 1210E 22 2,4 | 1210E 30 2,5 | 42 |
| 40 | 5040E 3,7 3,8 | 5040E 5,5 3,1 | 5040E 5,5 2,4 | 6550E 7,5 2,8 | 6550E 7,5 2,5 | 6550E 11 2,3 | 6550E 11 2,7 | 8065E 15 2 | 8065E 15 2 | 8065E 15 2,2 | 8065E 15 2,3 | 1080E 15 2 | 1080E 18,5 2,2 | 1080E 18,5 2,3 | 1210E 22 2,4 | 1210E 30 2,5 | 40 |
| 38 | 5040E 3,7 3,8 | 5040E 5,5 3,1 | 5040E 5,5 2,2 | 6550E 7,5 2,8 | 6550E 7,5 2,5 | 6550E 11 2,3 | 6550E 11 2,7 | 8065E 15 2 | 8065E 15 2 | 8065E 15 2,2 | 8065E 15 2,3 | 1080E 15 2 | 1080E 18,5 2,2 | 1080E 18,5 2,3 | 1080E 22 2,5 | 1210E 30 2,5 | 38 |
| 36 | 5040E 3,7 3,8 | 5040E 5,5 3,1 | 5040E 5,5 2,2 | 6550E 7,5 2,8 | 6550E 7,5 2,3 | 6550E 11 2,3 | 6550E 11 2,7 | 6550E 11 1,8 | 8065E 11 2 | 8065E 11 2,2 | 8065E 15 2,3 | 8065E 15 2,4 | 1080E 18,5 2,2 | 1080E 18,5 2,3 | 1080E 22 2,5 | 1210E 22 2,8 | 36 |
| 34 | 5040E 3,7 3,8 | 5040E 3,7 3,1 | 5040E 5,5 2,2 | 6550D 5,5 2,6 | 6550E 7,5 2,3 | 6550E 11 2,4 | 6550E 11 2,7 | 6550E 11 1,8 | 8065E 11 2 | 8065E 11 2,2 | 8065E 15 2,3 | 8065E 15 2,4 | 1080E 18,5 2,2 | 1080E 18,5 2,3 | 1080E 18,5 2,5 | 1210E 30 2,8 | 34 |
| 32 | 5040D 3,7 4 | 5040E 3,7 3,1 | 5040E 5,5 2,2 | 6550D 5,5 2,6 | 6550D 5,5 2,5 | 6550E 7,5 2,4 | 6550E 11 2,7 | 8065D 11 1,9 | 8065D 11 2 | 8065E 11 2,2 | 8065E 15 2,3 | 8065E 15 2,4 | 1080E 15 2,5 | 1080E 15 2,3 | 1080E 18,5 2,5 | 1080E 22 2,8 | 32 |
| 30 | 5040D 2,2 4 | 5040D 3,7 3,5 | 5040D 3,7 2,1 | 6550D 5,5 2,6 | 6550D 5,5 2,5 | 6550D 5,5 2,2 | 6550E 11 2,7 | 8065D 7,5 1,9 | 8065D 7,5 2 | 8065D 11 2 | 8065D 11 2,1 | 8065E 15 2,4 | 1080D 15 2,5 | 1080D 15 2,7 | 1080E 18,5 2,5 | 1210D 18,5 3 | 30 |
| 28 | 5040D 2,2 4 | 5040D 2,2 3,5 | 5040D 3,7 2,1 | 5040D 3,7 2,2 | 6550D 5,5 2,5 | 6550D 5,5 2,2 | 6550D 5,5 2,4 | 8065D 7,5 1,9 | 8065D 7,5 1,8 | 8065D 7,5 2 | 8065D 11 2,1 | 8065D 11 2,2 | 1080D 11 2,5 | 1080D 15 2,7 | 1080D 15 2,7 | 1210D 15 3 | 28 |
| 26 | 5040D 2,2 4 | 5040D 2,2 3,5 | 5040D 3,7 2 | 5040D 3,7 2,2 | 6550D 5,5 2,5 | 6550D 5,5 2,2 | 6550D 5,5 2,4 | 6550D 7,5 2 | 8065D 7,5 1,8 | 8065D 7,5 2 | 8065D 7,5 2 | 8065D 11 2,2 | 1080D 11 2,5 | 1080D 11 2,7 | 1080D 15 2,7 | 1080D 15 2,8 | 26 |
| 24 | 5040D 2,2 4 | 5040D 2,2 3,5 | 5040D 3,7 2 | 5040D 3,7 2,2 | 6550D 3,7 2,5 | 6550D 5,5 2,2 | 6550D 5,5 2,4 | 6550D 7,5 2 | 8065D 7,5 1,8 | 8065D 7,5 2 | 8065D 7,5 2 | 8065D 11 2,2 | 1080D 11 2,5 | 1080D 11 2,7 | 1080D 11 2,7 | 1080D 15 2,8 | 24 |
| 22 | 5040D 1,5 2,5 | 5040D 1,5 2,2 | 5040D 2,2 | 5040D 3,7 2,2 | 6550D 3,7 2,5 | 6550D 5,5 2,2 | 6550D 5,5 2,4 | 6550D 7,5 2 | 8065D 5,5 1,8 | 8065D 5,5 2 | 8065D 7,5 2 | 8065D 7,5 2,2 | 1080D 11 2,5 | 1080D 11 2,7 | 1080D 11 2,7 | 1080D 15 2,8 | 22 |
| 20 | 5040C 1,5 2,5 | 5040C 1,5 2,2 | 5040D 2,2 | 5040D 2,2 2,2 | 6550C 3,7 2,2 | 6550C 3,7 2,3 | 6550D 5,5 2,4 | 6550D 7,5 2 | 8065D 5,5 2 | 8065D 5,5 2 | 8065D 7,5 2 | 8065D 7,5 2,2 | 1080D 7,5 2,5 | 1080D 11 2,7 | 1080D 11 2,7 | 1210C 11 2,8 | 20 |
| 18 | 5040C 1,5 3 | 5040C 1,5 2,2 | 5040C 1,5 2 | 5040D 2,2 1,8 | 6550C 3,7 2,2 | 6550C 3,7 2,3 | 6550C 3,7 2,4 | 6550D 5,5 2 | 8065C 5,5 2 | 8065C 5,5 2 | 8065D 5,5 2,2 | 8065D 7,5 2,2 | 1080C 7,5 2,5 | 1080C 7,5 2,8 | 1080D 11 2,7 | 1210C 11 2,8 | 18 |
| 16 | 5040C 1,5 3 | 5040C 1,5 2,2 | 5040C 1,5 2 | 5040C 2,2 1,8 | 6550C 2,2 2,2 | 6550C 3,7 2,3 | 6550C 3,7 2,4 | 6550C 3,7 2,5 | 8065C 3,7 2 | 8065C 5,5 2 | 8065C 5,5 2,2 | 8065C 5,5 2,4 | 1080C 5,5 2,5 | 1080C 7,5 2,9 | 1080C 7,5 3 | 1210C 7,5 2,8 | 16 |
| 14 | 5040B 1,1 3,8 | 5040B 1,1 3,1 | 5040C 1,5 2 | 5040C 2,2 1,8 | 6550C 2,2 2,2 | 6550C 2,2 2,3 | 6550C 3,7 2,4 | 6550C 3,7 2,5 | 8065C 3,7 2 | 8065C 3,7 2 | 8065C 5,5 2,2 | 8065C 5,5 2,4 | 1080C 5,5 2,5 | 1080C 5,5 2,9 | 1080C 7,5 3 | 1210B 7,5 3,3 | 14 |
| 12 | 5040B 0,7 5,2 | 5040B 1,1 2,5 | 5040B 1,1 2 | 5040B 1,5 2 | 6550B 1,5 2 | 6550B 2,2 2,3 | 6650C 3,7 2,4 | 6650C 3,7 2,5 | 8065B 3,7 2 | 8065B 3,7 2,5 | 8065B 3,7 2,5 | 8065C 3,7 2,3 | 1080B 5,5 3 | 1080C 5,5 2,9 | 1210B 7,5 3,5 | 1210B 7,5 3,3 | 12 |
| 10 | 5040B 0,7 5,2 | 5040B 0,7 5,2 | 5040B 1,1 2 | 5040B 1,5 2 | 6550B 1,5 2 | 6550B 2,2 2,3 | 6550B 2,2 2,8 | 8065B 2,2 3,8 | 8065B 2,2 2,8 | 8065B 2,2 2,7 | 8065B 3,7 3 | 8065B 3,7 3,2 | 1080B 3,7 3 | 1080B 5,5 3,2 | 1080B 5,5 3,4 | 1210B 5,5 3,5 | 10 |
| 8 | 5040B 0,7 5,2 | 5040B 0,7 5,2 | 5040B 0,7 5 2 | 5040B 1,5 3,5 | 6550B 1,5 2 | 6550B 1,5 2,3 | 6550B 2,2 2,8 | 8065B 2,2 3,8 | 8065B 2,2 2,6 | 8065B 2,2 2,5 | 8065B 2,2 3 | 8065B 3,7 3,2 | 1080B 3,7 3 | 1080B 3,7 3,2 | 1080B 5,5 3,4 | 1210B 5,5 3,5 | 8 |
| 6 | | | | | | 6550B 1,5 2,3 | | | 8065B 1,5 2,6 | 8065B 1,5 2,5 | 8065B 2,2 3 | | 1080B 3,7 3 | 1080B 3,7 3,2 | 1080B 3,7 3,4 | | 6 |
| H \ Q | 3 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 72 | 84 | 96 | 108 | 120 | Q \ H |

* H in m, Q in m³/h

* 5040B 0.75 2.8 means Pump Model / Motor Rating(kW), NPSHre(m)

*Please contact us for semi-open impellers.



End Suction Pump

PSV Series

Selection Table

1750RPM (60Hz, 4P)

| H \ Q | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 | 390 | 420 | 450 | 480 | 540 | 600 | 720 | 840 | 960 | Q \ H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | | | | 2015F 110 2,6 | 2015F 110 2,8 | 2015F 160 3 | 2015F 160 3,1 | | | | | | | | | | | 85 |
| 80 | 1512F 75 2,4 | 1512F 75 2,5 | | 2015F 110 2,6 | 2015F 110 2,8 | 2015F 160 3 | 2015F 160 3,1 | 2015F 160 3,2 | 2015F 160 3,6 | 2015F 160 4,1 | 2015F 160 4,6 | | | | | | | 80 |
| 75 | 1512F 75 2,4 | 1512F 75 2,5 | 1512F 75 2,7 | 2015F 90 2,6 | 2015F 110 2,8 | 2015F 110 3 | 2015F 110 3,1 | 2015F 160 3,2 | 2015F 160 3,6 | 2015F 160 4,1 | 2015F 160 4,6 | 2015F 160 4,8 | 2015F 160 5,2 | | | | | 75 |
| 70 | 1512F 55 2,4 | 1512F 75 2,5 | 1512F 75 2,7 | 1512F 75 3,3 | 2015F 90 3,3 | 2015F 90 3 | 2015F 110 3,1 | 2015F 110 3,2 | 2015F 160 3,6 | 2015F 160 4,1 | 2015F 160 4,6 | 2015F 160 4,8 | 2015F 160 5,2 | 2015F 200 5,5 | | | | 70 |
| 65 | 1512F 55 2,5 | 1512F 55 2,5 | 1512F 75 2,7 | 1512F 75 3,3 | 1512F 90 2,8 | 2015F 90 3 | 2015F 90 3,1 | 2015F 110 3,2 | 2015F 110 3,6 | 2015F 110 4,1 | 2015F 160 4,6 | 2015F 160 4,8 | 2015F 160 5,2 | 2015F 200 5,5 | | | | 65 |
| 60 | 1512F 55 2,5 | 1512F 55 2,5 | 1512F 55 2,8 | 1512F 75 3,3 | 1512F 75 2,8 | 1512F 90 3,5 | 2015F 90 3,1 | 2015F 90 3,2 | 2015F 110 3,6 | 2015F 110 4,1 | 2015F 110 4,6 | 2015F 160 4,8 | 2015F 160 5,2 | 2015F 160 5,5 | | | | 60 |
| 55 | 1512F 45 2,5 | 1512F 55 2,6 | 1512F 55 2,8 | 1512F 75 3,3 | 1512F 75 2,8 | 1512F 75 3,5 | 2015F 90 3,1 | 2015F 90 3,2 | 2015F 90 3,6 | 2015F 110 4,1 | 2015F 110 4,6 | 2015F 160 4,8 | 2015F 160 5,2 | 2015F 160 5,5 | | | | 55 |
| 52 | 1512E 37 2,4 | 1512E 55 2,5 | 1512F 55 2,5 | 1512F 75 2,8 | 1512F 75 2,8 | 2015F 75 3,5 | 2015F 75 3,1 | 2015F 90 3,2 | 2015F 90 3,6 | 2015F 110 4,1 | 2015F 110 4,6 | 2015F 110 4,8 | 2015F 110 5,2 | 2015F 160 5,5 | | | | 52 |
| 50 | 1512E 37 2,4 | 1512E 45 2 | 1512F 55 2,5 | 1512F 75 2,8 | 1512F 75 2,8 | 2015F 75 3 | 2015F 75 3,3 | 2015F 90 3,2 | 2015F 90 3,6 | 2015F 90 4,1 | 2015F 110 4,6 | 2015F 110 4,8 | 2015F 110 5,2 | 2015F 160 5,5 | | | | 50 |
| 48 | 1512E 37 2,4 | 1512E 45 2 | 1512E 45 2,3 | 1512F 55 2,8 | 1512F 75 2,8 | 2015E 75 3 | 2015E 75 3,3 | 2015F 75 3,5 | 2015F 75 3,6 | 2015F 90 4,1 | 2015F 110 4,6 | 2015F 110 4,8 | 2015F 110 5,2 | 2015F 110 5,5 | | | | 48 |
| 46 | 1210E 30 2,7 | 1512E 37 3 | 1512E 45 2,3 | 1512E 55 3,8 | 1512F 75 2,8 | 2015E 75 3 | 2015E 75 3,3 | 2015E 75 3,5 | 2015E 75 3,6 | 2015F 90 4 | 2015F 90 4,2 | 2015F 110 4,8 | 2015F 110 5,2 | 2015F 110 5,5 | | | | 46 |
| 44 | 1210E 30 2,7 | 1512E 37 3 | 1512E 45 2,3 | 1512E 45 3,8 | 1512F 75 2,8 | 2015E 75 3 | 2015E 75 3,3 | 2015E 75 3,5 | 2015E 75 3,6 | 2015E 75 4 | 2015E 75 4,2 | 2520E 90 4,8 | 2520E 110 5,2 | 2015F 110 5,5 | | | | 44 |
| 42 | 1210E 30 2,7 | 1512E 37 3 | 1512E 37 3,3 | 1512E 45 3,8 | 1512E 45 4 | 2015E 75 3 | 2015E 75 3,3 | 2015E 75 3,5 | 2015E 75 3,6 | 2015E 75 4 | 2015E 75 4,2 | 2015E 90 3,9 | 2520E 90 5,2 | 2520E 110 5,5 | | | | 42 |
| 40 | 1210E 30 2,7 | 1210E 37 3,2 | 1512E 37 3,3 | 1512E 45 3,8 | 1512E 45 4 | 2015E 55 3,2 | 2015E 75 3,3 | 2015E 75 3,5 | 2015E 75 3,6 | 2015E 75 4 | 2015E 75 4,2 | 2015E 90 3,9 | 2520E 90 5,2 | 2520E 110 5,5 | 2520E 110 6,3 | | | 40 |
| 38 | 1210E 30 2,8 | 1210E 37 3,2 | 1512E 37 3,3 | 1512E 37 3,8 | 1512E 45 4 | 1512E 45 3,2 | 2015E 55 3,3 | 2015E 75 3,4 | 2015E 75 3,6 | 2015E 75 4 | 2015E 75 4,2 | 2015E 75 3,9 | 2520E 90 5,2 | 2520E 90 5,5 | 2520E 110 6,3 | | | 38 |
| 36 | 1210E 30 2,8 | 1210E 37 3,2 | 1512E 37 3,3 | 1512E 37 3,8 | 1512E 45 4 | 1512E 45 3,2 | 2015E 55 3,3 | 2015E 55 3,4 | 2015E 75 3,6 | 2015E 75 4 | 2015E 75 4,2 | 2015E 75 3,9 | 2520E 75 5,2 | 2520E 90 5,5 | 2520E 110 6,3 | | | 36 |
| 34 | 1210E 30 2,8 | 1210E 37 3,2 | 1512E 30 3,3 | 1512E 37 3,8 | 1512E 45 4 | 1512E 45 3,2 | 2015E 55 3,3 | 2015E 55 3,4 | 2015E 55 3,6 | 2015E 55 4 | 2015E 75 4,2 | 2015E 75 4 | 2520E 75 5,2 | 2520E 90 5,5 | 2520E 110 6,3 | 2520E 110 7,0 | | 34 |
| 32 | 1210E 30 2,8 | 1210E 37 3 | 1512E 30 3,3 | 1512E 37 3,6 | 1512E 45 4 | 1512E 45 3,2 | 2015E 45 4,5 | 2015E 55 3,4 | 2015E 55 3,6 | 2015E 55 4 | 2015E 55 4,2 | 2015E 75 4 | 2520E 75 5,2 | 2520E 75 5,5 | 2520E 90 6,3 | 2520E 110 7,0 | | 32 |
| 30 | 1210E 22 3 | 1210E 30 3 | 1512D 30 3 | 1512E 30 3,6 | 1512E 37 4 | 1512E 45 3,2 | 2015D 45 4,5 | 2015D 45 4,7 | 2015E 55 3,6 | 2015E 55 4 | 2015E 55 4,2 | 2015E 75 4 | 2520E 75 5,2 | 2520E 75 5,5 | 2520E 90 6,3 | 2520E 110 7,0 | | 30 |
| 28 | 1210D 18,5 3 | 1210E 30 3 | 1512D 30 3 | 1512D 30 3,3 | 1512E 37 4 | 1512E 45 3,2 | 2015D 45 4,5 | 2015D 45 4,7 | 2015D 55 4,9 | 2015D 55 5,1 | 2015E 55 4,2 | 2015E 55 4 | 2520E 75 5,2 | 2520E 75 5,5 | 2520E 90 6,3 | 2520E 110 7,0 | | 28 |
| 26 | 1210D 15 3,5 | 1512D 22 3,2 | 1512D 22 3 | 1512D 30 3,3 | 1512D 30 3,6 | 1512E 37 3,2 | 2015D 37 4 | 2015D 37 4,7 | 2015D 45 4,9 | 2015D 45 5,1 | 2015D 55 5,2 | 2520E 55 4 | 2520E 55 5,2 | 2520E 75 5,5 | 2520E 90 6,3 | 2520E 110 7,0 | | 26 |
| 24 | 1210D 15 3,5 | 1210D 18,5 3,2 | 1512D 22 3,2 | 1512D 22 3,3 | 1512D 30 3,6 | 1512E 37 4 | 2015D 37 4 | 2015D 37 4,7 | 2015D 37 4,9 | 2015D 45 5,1 | 2015D 45 5,2 | 2520E 55 4 | 2520E 55 5,2 | 2520E 75 5,5 | 2520E 75 5,5 | 2520E 90 7,0 | 2520E 110 7,7 | 24 |
| 22 | 1210D 15 3,5 | 1210D 18,5 3,2 | 1512D 22 3,2 | 1512D 22 3,3 | 1512D 22 3,6 | 1512D 30 4 | 2015D 30 4 | 2015D 37 4,3 | 2015D 37 4,9 | 2015D 37 5,1 | 2015D 45 5,2 | | 2520E 55 5,2 | 2520E 55 5,5 | 2520E 75 5,5 | 2520E 90 7,0 | | 22 |
| 20 | 1210D 15 3,5 | 1210D 15 3,2 | 1512D 18,5 3,2 | 1512D 18,5 3,3 | 1512D 22 3,6 | 1512D 30 4 | 2015D 30 4 | 2015D 30 4,3 | 2015D 37 4,5 | 2015D 37 4,9 | 2015D 37 5,2 | | | 2520E 55 5,5 | 2520E 75 5,5 | 2520E 75 7,0 | | 20 |
| 18 | 1210C 11 3,3 | 1210D 15 3,2 | 1512C 18,5 3,5 | 1512D 18,5 4 | 1512D 18,5 3,6 | 1512D 22 4 | 2015D 30 4 | 2015D 30 4,5 | 2015D 30 4,5 | 2015D 37 4,9 | 2015D 37 5,2 | | | | 2520E 75 5,5 | 2520E 75 7,0 | | 18 |
| 16 | 1210C 11 3,3 | 1210C 15 3,6 | 1512C 15 3,5 | 1512C 18,5 4 | 1512D 22 3,5 | 1512D 22 4 | 2015D 30 4 | 2015D 30 4,5 | 2015D 30 4,8 | 2015D 30 5,3 | | | | | | | | 16 |
| 14 | 1210C 11 3,3 | 1210C 11 3,6 | 1512C 15 3,5 | 1512C 15 4 | 1512C 15 3,5 | 1512D 22 4 | | 2015D 30 4,5 | 2015D 30 4,8 | 2015D 30 5,3 | | | | | | | | 14 |
| 12 | 1210B 11 3,8 | 1210C 11 3,6 | 1512C 11 3,5 | 1512C 15 4 | 1512C 15 3,5 | 1512C 18,5 4 | | | | | | | | | | | | 12 |
| 10 | 1210B 7,5 3,8 | 1210B 11 4 | 1512C 11 3,5 | 1512C 11 4 | 1512C 11 3,5 | | | | | | | | | | | | | 10 |
| 8 | 1210B 5,5 3,8 | 1210B 7,5 4 | | | | | | | | | | | | | | | | 8 |
| 6 | | | | | | | | | | | | | | | | | | 6 |
| H \ Q | 150 | 180 | 210 | 240 | 270 | 300 | 330 | 360 | 390 | 420 | 450 | 480 | 540 | 600 | 720 | 840 | 960 | Q \ H |

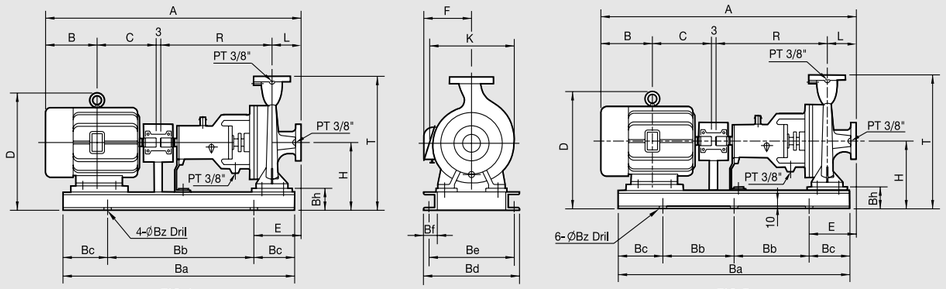
놈(영문)-1월 최종 2011.1.19 9:57 AM 페이지8

# End Suction Pump

## PSV Series

### Outline Dimensions - Complete Pump

*Dimension will vary on motor manufacturer.




| MODEL | FIG | MOTOR (kW) | PUMP & MOTOR (mm) | | | | | | | | | | | BED ASM (mm) | | | | | | | | WEIGHT(kg) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | F | H | K | L | R | T | Ba | Bd | Bh | Bb | Bc | Be | Bf | Bz | P · B | P·B·M |
| PSV-5040B | A | 0.75 | 707 | 124 | 140 | 305 | 120 | 144 | 217 | 250 | 80 | 360 | 377 | 650 | 290 | 85 | 450 | 100 | 255 | 40 | 15 | 62 | 78 |
| | A | 1.5 | 760 | 148 | 169 | 313 | 145 | 166 | 217 | 250 | 80 | 360 | 377 | 700 | 350 | 85 | 450 | 125 | 315 | 40 | 15 | 68 | 94 |
| | A | 2,2 | 801 | 165 | 193 | 359 | 145 | 168 | 217 | 250 | 80 | 360 | 377 | 750 | 290 | 85 | 500 | 125 | 255 | 40 | 15 | 65 | 100 |
| PSV-5040C | A | 1,5 | 780 | 148 | 169 | 341 | 167,5 | 166 | 245 | 290 | 100 | 360 | 425 | 700 | 350 | 85 | 450 | 125 | 315 | 40 | 15 | 75 | 101 |
| | A | 2,2 | 821 | 165 | 193 | 387 | 162,5 | 168 | 245 | 290 | 100 | 360 | 425 | 750 | 350 | 85 | 500 | 125 | 315 | 40 | 15 | 78 | 113 |
| | A | 3,7 | 832 | 169 | 200 | 407 | 162,5 | 187 | 245 | 290 | 100 | 360 | 425 | 750 | 350 | 85 | 500 | 125 | 315 | 40 | 15 | 78 | 121 |
| PSV-5040D | A | 2,2 | 821 | 165 | 193 | 407 | 152,5 | 168 | 265 | 350 | 100 | 360 | 490 | 750 | 350 | 85 | 500 | 125 | 315 | 40 | 15 | 87 | 122 |
| | A | 3,7 | 832 | 169 | 200 | 427 | 152,5 | 187 | 265 | 350 | 100 | 360 | 490 | 750 | 350 | 85 | 500 | 125 | 315 | 40 | 15 | 87 | 130 |
| | A | 5,5 | 907 | 205 | 239 | 444 | 177,5 | 213 | 265 | 350 | 100 | 360 | 490 | 850 | 350 | 85 | 550 | 150 | 315 | 40 | 15 | 93 | 159 |
| PSV-5040E | A | 3,7 | 967 | 169 | 200 | 472 | 202,5 | 187 | 310 | 415 | 125 | 470 | 560 | 850 | 410 | 85 | 550 | 150 | 375 | 40 | 15 | 128 | 171 |
| | A | 5,5 | 1042 | 205 | 239 | 489 | 227,5 | 213 | 310 | 415 | 125 | 470 | 560 | 950 | 410 | 85 | 600 | 175 | 375 | 40 | 15 | 134 | 200 |
| | A | 7,5 | 1082 | 226 | 258 | 489 | 227,5 | 213 | 310 | 415 | 125 | 470 | 560 | 950 | 410 | 85 | 600 | 175 | 375 | 40 | 15 | 134 | 214 |
| | A | 11 | 1193 | 272 | 323 | 542 | 277,5 | 265 | 335 | 415 | 125 | 470 | 585 | 1050 | 440 | 110 | 600 | 225 | 395 | 50 | 19 | 144 | 261 |
| PSV-6550B | A | 1,5 | 780 | 148 | 169 | 341 | 165 | 166 | 245 | 255 | 100 | 360 | 425 | 700 | 350 | 85 | 450 | 125 | 315 | 40 | 15 | 71 | 97 |
| | A | 2,2 | 821 | 165 | 193 | 387 | 160 | 168 | 245 | 255 | 100 | 360 | 425 | 750 | 350 | 85 | 500 | 125 | 315 | 40 | 15 | 74 | 109 |
| | A | 3,7 | 832 | 169 | 200 | 407 | 160 | 187 | 245 | 255 | 100 | 360 | 425 | 750 | 350 | 85 | 500 | 125 | 315 | 40 | 15 | 74 | 117 |
| PSV-6550C | A | 2,2 | 821 | 165 | 193 | 387 | 160 | 168 | 245 | 305 | 100 | 360 | 445 | 750 | 350 | 85 | 500 | 125 | 315 | 40 | 15 | 79 | 114 |
| | A | 3,7 | 832 | 169 | 200 | 407 | 160 | 187 | 245 | 305 | 100 | 360 | 445 | 750 | 350 | 85 | 500 | 125 | 315 | 40 | 15 | 79 | 122 |
| | A | 5,5 | 907 | 205 | 239 | 424 | 175 | 213 | 245 | 305 | 100 | 360 | 445 | 800 | 350 | 85 | 500 | 150 | 315 | 40 | 15 | 82 | 148 |
| PSV-6550D | A | 3,7 | 832 | 169 | 200 | 427 | 152,5 | 187 | 265 | 350 | 100 | 360 | 490 | 750 | 350 | 85 | 500 | 125 | 315 | 40 | 15 | 91 | 134 |
| | A | 5,5 | 907 | 205 | 239 | 444 | 177,5 | 213 | 265 | 350 | 100 | 360 | 490 | 850 | 350 | 85 | 550 | 150 | 315 | 40 | 15 | 97 | 163 |
| | A | 7,5 | 947 | 226 | 258 | 444 | 177,5 | 213 | 265 | 350 | 100 | 360 | 490 | 850 | 350 | 85 | 550 | 150 | 315 | 40 | 15 | 97 | 177 |
| PSV-6550E | A | 3,7 | 967 | 169 | 200 | 472 | 202,5 | 187 | 310 | 415 | 125 | 470 | 590 | 850 | 410 | 85 | 550 | 150 | 375 | 40 | 15 | 133 | 176 |
| | A | 5,5 | 1042 | 205 | 239 | 489 | 227,5 | 213 | 310 | 415 | 125 | 470 | 590 | 950 | 410 | 85 | 600 | 175 | 375 | 40 | 15 | 136 | 202 |
| | A | 7,5 | 1082 | 226 | 258 | 489 | 227,5 | 213 | 310 | 415 | 125 | 470 | 590 | 950 | 410 | 85 | 600 | 175 | 375 | 40 | 15 | 136 | 216 |
| | A | 11 | 1193 | 272 | 323 | 562 | 277,5 | 265 | 335 | 415 | 125 | 470 | 615 | 1050 | 440 | 110 | 600 | 225 | 395 | 50 | 19 | 146 | 263 |
| | B | 15 | 1237 | 294 | 345 | 562 | 202,5 | 265 | 335 | 415 | 125 | 470 | 615 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 148 | 287 |
| PSV-8065B | A | 2,2 | 821 | 165 | 193 | 387 | 147,5 | 168 | 245 | 275 | 100 | 360 | 445 | 750 | 350 | 85 | 500 | 125 | 315 | 40 | 15 | 80 | 115 |
| | A | 3,7 | 832 | 169 | 200 | 407 | 147,5 | 187 | 245 | 275 | 100 | 360 | 445 | 750 | 350 | 85 | 500 | 125 | 315 | 40 | 15 | 80 | 123 |
| | A | 5,5 | 907 | 205 | 239 | 424 | 177,5 | 213 | 245 | 275 | 100 | 360 | 445 | 800 | 350 | 85 | 500 | 150 | 315 | 40 | 15 | 83 | 149 |
| PSV-8065C | A | 3,7 | 832 | 169 | 200 | 427 | 152,5 | 187 | 265 | 345 | 100 | 360 | 490 | 750 | 350 | 85 | 500 | 125 | 315 | 40 | 15 | 85 | 128 |
| | A | 5,5 | 907 | 205 | 239 | 444 | 177,5 | 213 | 265 | 345 | 100 | 360 | 490 | 850 | 350 | 85 | 550 | 150 | 315 | 40 | 15 | 91 | 157 |
| | A | 7,5 | 947 | 226 | 258 | 444 | 177,5 | 213 | 265 | 345 | 100 | 360 | 490 | 850 | 350 | 85 | 550 | 150 | 315 | 40 | 15 | 91 | 171 |
| PSV-8065D | A | 7,5 | 1057 | 226 | 258 | 464 | 185 | 213 | 285 | 370 | 100 | 470 | 535 | 950 | 410 | 85 | 600 | 175 | 375 | 40 | 15 | 122 | 202 |
| | B | 11 | 1168 | 272 | 323 | 517 | 160 | 265 | 310 | 370 | 100 | 470 | 560 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 134 | 251 |
| | B | 15 | 1212 | 294 | 345 | 517 | 160 | 265 | 310 | 370 | 100 | 470 | 560 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 134 | 273 |
| PSV-8065E | B | 11 | 1193 | 272 | 323 | 542 | 185 | 265 | 335 | 410 | 125 | 470 | 615 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 154 | 271 |
| | B | 15 | 1237 | 294 | 345 | 542 | 185 | 265 | 335 | 410 | 125 | 470 | 615 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 154 | 293 |

P·B : exc. Motor
P·B·M : inc. Motor



End Suction Pump

PSV Series

Outline Dimensions - Complete Pump

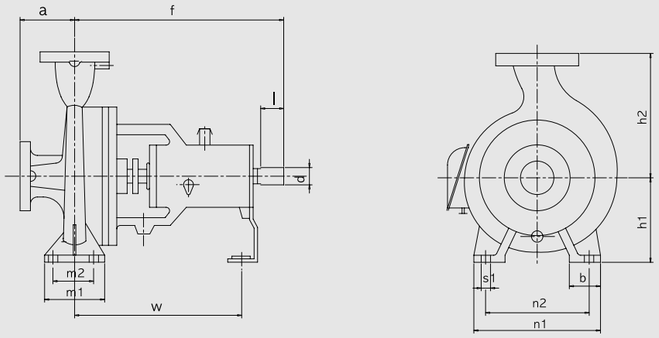
| MODEL | FIG | MOTOR (KW) | PUMP & MOTOR (mm) | | | | | | | | | | | BED ASM (mm) | | | | | | | | WEIGHT(kg) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | F | H | K | L | R | T | Ba | Bd | Bh | Bb | Bc | Be | Bf | Bz | P · B | P·B·M |
| PSV-8065E | B | 18,5,22 | 1243 | 293 | 352 | 581 | 185 | 286 | 335 | 410 | 125 | 470 | 615 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 154 | 331,339 |
| PSV-1080B | A | 3,7 | 857 | 169 | 200 | 427 | 177,5 | 187 | 265 | 310 | 125 | 360 | 490 | 750 | 350 | 85 | 500 | 125 | 315 | 40 | 15 | 86 | 129 |
| | A | 5,5 | 932 | 205 | 239 | 444 | 202,5 | 213 | 265 | 310 | 125 | 360 | 490 | 850 | 350 | 85 | 550 | 150 | 315 | 40 | 15 | 92 | 158 |
| | A | 7,5 | 972 | 226 | 258 | 444 | 202,5 | 213 | 265 | 310 | 125 | 360 | 490 | 850 | 350 | 85 | 550 | 150 | 315 | 40 | 15 | 92 | 172 |
| PSV-1080C | A | 5,5 | 1042 | 205 | 239 | 444 | 222 | 213 | 265 | 330 | 125 | 470 | 515 | 1000 | 470 | 85 | 660 | 170 | 440 | 40 | 15 | 116 | 182 |
| | A | 7,5 | 1082 | 226 | 258 | 444 | 222 | 213 | 265 | 330 | 125 | 470 | 515 | 1000 | 470 | 85 | 660 | 170 | 440 | 40 | 15 | 116 | 196 |
| | A | 11 | 1193 | 272 | 323 | 497 | 229,5 | 265 | 290 | 330 | 125 | 470 | 540 | 1050 | 440 | 110 | 600 | 225 | 395 | 50 | 19 | 120 | 237 |
| PSV-1080D | B | 11 | 1193 | 272 | 323 | 517 | 185 | 265 | 310 | 380 | 125 | 470 | 590 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 137 | 254 |
| | B | 15 | 1237 | 294 | 345 | 517 | 185 | 265 | 310 | 380 | 125 | 470 | 590 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 137 | 276 |
| | B | 18,5,22 | 1243 | 293 | 352 | 556 | 185 | 286 | 310 | 380 | 125 | 470 | 590 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 137 | 314,322 |
| PSV-1080E | B | 18,5,22 | 1243 | 293 | 352 | 606 | 185 | 286 | 360 | 435 | 125 | 470 | 675 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 158 | 335,343 |
| | B | 30 | 1288 | 319 | 371 | 606 | 185 | 286 | 360 | 435 | 125 | 470 | 675 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 158 | 368 |
| PSV-1210B | A | 5,5 | 1042 | 205 | 239 | 464 | 210 | 213 | 285 | 360 | 125 | 470 | 565 | 950 | 410 | 85 | 600 | 175 | 375 | 40 | 15 | 119 | 185 |
| | A | 7,5 | 1082 | 226 | 258 | 464 | 210 | 213 | 285 | 360 | 125 | 470 | 565 | 950 | 410 | 85 | 600 | 175 | 375 | 40 | 15 | 119 | 199 |
| | B | 11 | 1193 | 272 | 323 | 517 | 185 | 265 | 310 | 360 | 125 | 470 | 590 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 131 | 248 |
| | B | 15 | 1237 | 294 | 345 | 517 | 185 | 265 | 310 | 360 | 125 | 470 | 590 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 131 | 270 |
| PSV-1210C | A | 7,5 | 1082 | 226 | 258 | 464 | 210 | 213 | 285 | 360 | 125 | 470 | 565 | 950 | 410 | 85 | 600 | 175 | 375 | 40 | 15 | 124 | 204 |
| | B | 11 | 1193 | 272 | 323 | 517 | 185 | 265 | 310 | 360 | 125 | 470 | 590 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 136 | 253 |
| | B | 15 | 1237 | 294 | 345 | 517 | 185 | 265 | 310 | 360 | 125 | 470 | 590 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 136 | 275 |
| PSV-1210D | B | 15 | 1252 | 294 | 345 | 542 | 200 | 265 | 335 | 390 | 140 | 470 | 615 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 147 | 286 |
| | B | 18,5,22 | 1258 | 293 | 352 | 581 | 200 | 286 | 335 | 390 | 140 | 470 | 615 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 147 | 324,332 |
| PSV-1210E | B | 18,5,22 | 1258 | 293 | 352 | 606 | 200 | 286 | 360 | 460 | 140 | 470 | 675 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 166 | 343,351 |
| | B | 30 | 1303 | 319 | 371 | 606 | 200 | 286 | 360 | 460 | 140 | 470 | 675 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 166 | 376 |
| | B | 37,45 | 1433 | 394 | 426 | 616 | 200 | 368 | 360 | 460 | 140 | 470 | 675 | 1200 | 440 | 110 | 450 | 150 | 395 | 50 | 19 | 169 | 459,479 |
| PSV-1512C | B | 15 | 1252 | 294 | 345 | 567 | 200 | 265 | 360 | 405 | 140 | 470 | 675 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 156 | 376 |
| | B | 18,5,22 | 1258 | 293 | 352 | 606 | 200 | 286 | 360 | 405 | 140 | 470 | 675 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 156 | 333,341 |
| PSV-1512D | B | 18,5,22 | 1258 | 293 | 352 | 606 | 200 | 286 | 360 | 420 | 140 | 470 | 715 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 160 | 337,345 |
| | B | 30 | 1303 | 319 | 371 | 606 | 200 | 286 | 360 | 420 | 140 | 470 | 715 | 1100 | 440 | 110 | 400 | 150 | 395 | 50 | 19 | 160 | 370 |
| | B | 37,45 | 1433 | 394 | 426 | 610 | 200 | 368 | 360 | 420 | 140 | 470 | 715 | 1200 | 440 | 110 | 450 | 150 | 395 | 50 | 19 | 163 | 453,473 |
| PSV-1512E | B | 30 | 1363 | 319 | 371 | 641 | 180 | 286 | 395 | 495 | 140 | 530 | 750 | 1300 | 560 | 115 | 500 | 150 | 515 | 50 | 19 | 208 | 418 |
| | B | 37,45 | 1493 | 394 | 426 | 651 | 180 | 368 | 395 | 495 | 140 | 530 | 750 | 1300 | 560 | 115 | 500 | 150 | 515 | 50 | 19 | 208 | 498,518 |
| | B | 55 | 1508 | 390 | 445 | 715 | 185 | 425 | 417 | 495 | 140 | 530 | 772 | 1300 | 560 | 137 | 500 | 150 | 500 | 65 | 23 | 220 | 560 |
| PSV-1512F | B | 30 | 1363 | 319 | 371 | 666 | 180 | 286 | 430 | 563 | 140 | 530 | 830 | 1200 | 560 | 115 | 450 | 150 | 515 | 50 | 19 | 255 | 465 |
| | B | 37 | 1493 | 394 | 426 | 706 | 160 | 368 | 450 | 563 | 140 | 530 | 850 | 1300 | 570 | 135 | 500 | 150 | 505 | 65 | 23 | 272 | 562 |
| | B | 45 | 1493 | 394 | 426 | 706 | 160 | 368 | 450 | 563 | 140 | 530 | 850 | 1300 | 570 | 135 | 500 | 150 | 505 | 65 | 23 | 272 | 582 |
| | B | 55 | 1508 | 390 | 445 | 748 | 135 | 425 | 450 | 563 | 140 | 530 | 850 | 1350 | 570 | 135 | 550 | 125 | 505 | 65 | 23 | 272 | 612 |
| | B | 75 | 1558 | 421 | 464 | 782 | 185 | 428 | 450 | 563 | 140 | 530 | 855 | 1450 | 570 | 135 | 550 | 175 | 505 | 65 | 23 | 280 | 770 |
| PSV-2015D | B | 30 | 1383 | 319 | 371 | 641 | 187 | 286 | 395 | 550 | 160 | 530 | 770 | 1300 | 560 | 115 | 500 | 150 | 515 | 50 | 19 | 206 | 416 |
| | B | 37,45 | 1513 | 394 | 426 | 651 | 187 | 368 | 395 | 550 | 160 | 530 | 770 | 1300 | 560 | 115 | 500 | 150 | 515 | 50 | 19 | 206 | 496,516 |
| | B | 55 | 1528 | 390 | 445 | 693 | 187 | 425 | 395 | 550 | 160 | 530 | 770 | 1300 | 560 | 115 | 500 | 150 | 515 | 50 | 19 | 206 | 546 |
| PSV-2015E | B | 37,45 | 1514 | 395 | 426 | 680 | 193 | 334 | 430 | 600 | 160 | 530 | 830 | 1300 | 580 | 115 | 500 | 150 | 535 | 50 | 19 | 236 | 526,546 |
| | B | 55 | 1527 | 393 | 441 | 700 | 193 | 425 | 430 | 600 | 160 | 530 | 830 | 1300 | 580 | 115 | 500 | 150 | 535 | 50 | 19 | 236 | 576 |
| | B | 75 | 1578 | 421 | 464 | 787 | 218 | 428 | 455 | 600 | 160 | 530 | 855 | 1450 | 610 | 140 | 550 | 175 | 550 | 65 | 23 | 261 | 751 |
| | B | 90 | 1578 | 421 | 464 | 787 | 218 | 428 | 455 | 600 | 160 | 530 | 855 | 1450 | 610 | 140 | 550 | 175 | 550 | 65 | 23 | 261 | 781 |
| | B | 110 | 1833 | 596 | 544 | 1006 | 218 | – | 455 | 600 | 160 | 530 | 855 | 1550 | 610 | 140 | 600 | 175 | 550 | 65 | 23 | 271 | 1111 |
| | B | 132 | 1833 | 596 | 544 | 1006 | 218 | – | 455 | 600 | 160 | 530 | 855 | 1550 | 610 | 140 | 600 | 175 | 550 | 65 | 23 | 271 | 1131 |
| PSV-2015F | B | 37,45 | 1513 | 394 | 426 | 686 | 190 | 368 | 430 | 625 | 160 | 530 | 880 | 1300 | 580 | 115 | 500 | 150 | 535 | 50 | 19 | 280 | 570,590 |
| | B | 55 | 1528 | 390 | 445 | 728 | 190 | 425 | 430 | 625 | 160 | 530 | 880 | 1300 | 580 | 115 | 500 | 150 | 535 | 50 | 19 | 280 | 620 |
| | B | 75 | 1578 | 421 | 464 | 787 | 215 | 428 | 455 | 625 | 160 | 530 | 905 | 1450 | 610 | 140 | 550 | 175 | 550 | 65 | 23 | 305 | 795 |
| | B | 90 | 1678 | 521 | 464 | 787 | 215 | 428 | 455 | 625 | 160 | 530 | 905 | 1450 | 610 | 140 | 550 | 175 | 550 | 65 | 23 | 305 | 825 |
| | B | 110,132 | 1833 | 596 | 544 | 1006 | 215 | – | 455 | 625 | 160 | 530 | 905 | 1550 | 610 | 140 | 600 | 175 | 550 | 65 | 23 | 315 | 1155,1175 |
| | B | 160 | 1924 | 642 | 589 | 1097 | 215 | – | 535 | 625 | 160 | 530 | 985 | 1650 | 700 | 220 | 650 | 175 | 620 | 80 | 27 | 340 | 1440 |
| | B | 200 | 1924 | 616,5 | 614,5 | 1097 | 215 | – | 535 | 625 | 160 | 530 | 985 | 1650 | 700 | 220 | 650 | 175 | 620 | 80 | 27 | 340 | 1440 |
| PSV-2520E | B | 55 | 1594 | 390 | 445 | 788 | 195 | 425 | 490 | 596 | 200 | 556 | 920 | 1350 | 620 | 140 | 550 | 125 | 560 | 65 | 23 | 352 | 692 |
| | B | 75 | 1644 | 421 | 464 | 822 | 265 | 428 | 490 | 596 | 200 | 556 | 920 | 1450 | 610 | 140 | 550 | 175 | 550 | 65 | 23 | 361 | 851 |
| | B | 90 | 1744 | 521 | 464 | 822 | 265 | 428 | 490 | 596 | 200 | 556 | 920 | 1450 | 610 | 140 | 550 | 175 | 550 | 65 | 23 | 361 | 881 |
| | B | 110 | 1899 | 596 | 544 | 1041 | 270 | – | 490 | 596 | 200 | 556 | 920 | 1600 | 620 | 140 | 600 | 200 | 560 | 65 | 23 | 379 | 1219 |
| | B | 132 | 1899 | 596 | 544 | 1041 | 270 | – | 490 | 596 | 200 | 556 | 920 | 1600 | 620 | 140 | 600 | 200 | 560 | 65 | 23 | 379 | 1239 |

P·B : exc. Motor
P·B·M : inc. Motor

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## Outline Dimensions - Bare Shaft




| MODEL | BORE(mm) | | PUMP SIZE(mm) | | | | | | | | | | | | | Wgt. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Suc. | Dis. | a | f | $h_1$ | $h_2$ | b | $m_1$ | $m_2$ | $n_1$ | $n_2$ | w | $s_1$ | d | l | kg |
| PSV-5040B | 50 | 40 | 80 | 360 | 132 | 160 | 50 | 100 | 70 | 240 | 190 | 285 | 15 | 24 | 50 | 32 |
| PSV-5040C | | | 100 | 360 | 160 | 180 | 50 | 100 | 70 | 265 | 212 | 285 | 15 | 24 | 50 | 39 |
| PSV-5040D | | | 100 | 360 | 180 | 225 | 65 | 125 | 95 | 320 | 250 | 285 | 15 | 24 | 50 | 48 |
| PSV-5040E | | | 125 | 470 | 225 | 250 | 65 | 125 | 95 | 345 | 280 | 370 | 15 | 32 | 80 | 80 |
| PSV-6550B | 65 | 50 | 100 | 360 | 160 | 180 | 50 | 100 | 70 | 265 | 212 | 285 | 15 | 24 | 50 | 35 |
| PSV-6550C | | | 100 | 360 | 160 | 200 | 50 | 100 | 70 | 265 | 212 | 285 | 15 | 24 | 50 | 40 |
| PSV-6550D | | | 100 | 360 | 180 | 225 | 65 | 125 | 95 | 320 | 250 | 285 | 15 | 24 | 50 | 52 |
| PSV-6550E | | | 125 | 470 | 225 | 280 | 65 | 125 | 95 | 345 | 280 | 370 | 15 | 32 | 80 | 82 |
| PSV-8065B | 85 | 65 | 100 | 360 | 160 | 200 | 65 | 125 | 95 | 280 | 212 | 285 | 15 | 24 | 50 | 41 |
| PSV-8065C | | | 100 | 360 | 180 | 225 | 65 | 125 | 95 | 320 | 250 | 285 | 15 | 24 | 50 | 46 |
| PSV-8065D | | | 100 | 470 | 200 | 250 | 80 | 160 | 120 | 360 | 280 | 370 | 19 | 32 | 80 | 68 |
| PSV-8065E | | | 125 | 470 | 225 | 280 | 80 | 160 | 120 | 400 | 315 | 370 | 19 | 32 | 80 | 88 |
| PSV-1080B | 100 | 80 | 125 | 360 | 180 | 225 | 65 | 125 | 95 | 320 | 250 | 285 | 15 | 24 | 50 | 47 |
| PSV-1080C | | | 125 | 470 | 180 | 250 | 65 | 125 | 95 | 345 | 280 | 370 | 15 | 32 | 80 | 56 |
| PSV-1080D | | | 125 | 470 | 200 | 280 | 80 | 160 | 120 | 400 | 315 | 370 | 19 | 32 | 80 | 71 |
| PSV-1080E | | | 125 | 470 | 250 | 315 | 80 | 160 | 120 | 400 | 315 | 370 | 19 | 32 | 80 | 92 |
| PSV-1210B | 125 | 100 | 125 | 470 | 200 | 280 | 80 | 160 | 120 | 360 | 280 | 370 | 19 | 32 | 80 | 65 |
| PSV-1210C | | | 125 | 470 | 200 | 280 | 80 | 160 | 120 | 360 | 280 | 370 | 19 | 32 | 80 | 70 |
| PSV-1210D | | | 140 | 470 | 225 | 280 | 80 | 160 | 120 | 400 | 315 | 370 | 19 | 32 | 80 | 81 |
| PSV-1210E | | | 140 | 470 | 250 | 315 | 80 | 160 | 120 | 400 | 315 | 370 | 19 | 32 | 80 | 100 |
| PSV-1512C | 150 | 125 | 140 | 470 | 250 | 315 | 80 | 160 | 120 | 400 | 315 | 370 | 19 | 32 | 80 | 90 |
| PSV-1512D | | | 140 | 470 | 250 | 355 | 100 | 160 | 120 | 400 | 315 | 370 | 19 | 32 | 80 | 94 |
| PSV-1512E | | | 140 | 530 | 280 | 355 | 100 | 200 | 150 | 500 | 400 | 370 | 23 | 42 | 110 | 130 |
| PSV-1512F | | | 140 | 530 | 315 | 400 | 100 | 200 | 150 | 500 | 400 | 370 | 23 | 42 | 110 | 180 |
| PSV-2015D | 200 | 150 | 160 | 530 | 280 | 375 | 100 | 200 | 150 | 500 | 400 | 370 | 23 | 42 | 110 | 128 |
| PSV-2015E | | | 160 | 530 | 315 | 400 | 100 | 200 | 150 | 550 | 450 | 370 | 23 | 42 | 110 | 156 |
| PSV-2015F | | | 160 | 530 | 315 | 450 | 100 | 200 | 150 | 550 | 450 | 370 | 23 | 48 | 110 | 200 |
| PSV-2520E | 250 | 200 | 200 | 556 | 350 | 430 | 100 | 200 | 150 | 550 | 450 | 395 | 23 | 48 | 110 | 256 |





## Technical Data

### Stuffing Box Data

| MODEL | Stuffing Box | | Outer Dia. of Sleeve | Gland Packing Size(W×H×L) | Number of Gland Packing |
|---|---|---|---|---|---|
| | Inner Dia | Depth | | | |
| PSV-5040B | Ø51 | 51 | Ø35 | □ 8×8×143 | 4 |
| PSV-6050B | | | | | |
| PSV-8065B | | | | | |
| PSV-1080B | | | | | |
| PSV-5040C | | 50 | | | |
| PSV-6550C | | | | | |
| PSV-8065C | | | | | |
| PSV-5040D | | | | | |
| PSV-6550D | | | | | |
| PSV-1080C | Ø65 | 62 | Ø45 | □ 10×10×184 | |
| PSV-1210C | | | | | |
| PSV-1512C | | | | | |
| PSV-1210B | | | | | |
| PSV-8065D | | | | | |
| PSV-1080D | | | | | |
| PSV-1210D | | | | | |
| PSV-1512D | | | | | |
| PSV-5040E | | | | | |
| PSV-6550E | | | | | |
| PSV-8065E | | | | | |
| PSV-1080E | | | | | |
| PSV-1210E | | | | | |
| PSV-1512E | Ø75 | | Ø55 | □ 10×10×215 | |
| PSV-1512F | | | | | |
| PSV-2015D | | | | | |
| PSV-2015E | | | | | |
| PSV-2015F | Ø90 | 75 | Ø65 | □ 12.5×12.5×255 | |
| PSV-2520E | | | | | |

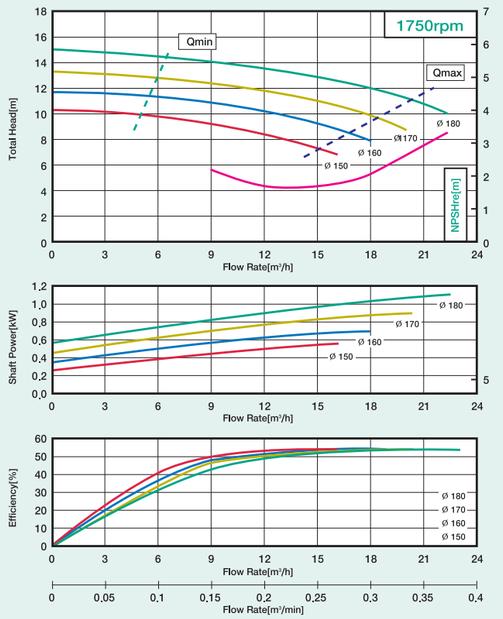
### Shaft & Bearing Housing Data

| MODEL | Stuffing Box | | | | Size of key At Coupling | SPAN BETWEEN | | Bearing NO. |
|---|---|---|---|---|---|---|---|---|
| | At Impeller | At Stuff. Box | Between Bearing | At Coupling | | Trust, Bearing. & Impeller. | Bearings | |
| PSV-5040B | Ø22 | Ø29 | Ø38 | Ø24 | 8×7×36 | 157 | 118 | Thrust : 6306zzC3<br>Radial : 6305zzC3 |
| PSV-6050B | | | | | | 160 | | |
| PSV-8065B | | | | | | 165 | | |
| PSV-1080B | | | | | | 170 | | |
| PSV-5040C | | | | | | 158 | | |
| PSV-6550C | | | | | | 159 | | |
| PSV-8065C | | | | | | 167 | | |
| PSV-5040D | | | | | | 158 | | |
| PSV-6550D | | | | | | 160 | | |
| PSV-1080C | Ø30 | Ø38 | Ø49 | Ø32 | 10×8×50 | 195 | 162 | Thrust : 6308zzC3<br>Radial : 6307zzC3 |
| PSV-1210C | | | | | | 210 | | |
| PSV-1512C | | | | | | 208 | | |
| PSV-1210B | | | | | | 209 | | |
| PSV-8065D | | | | | | 197 | | |
| PSV-1080D | | | | | | 204 | | |
| PSV-1210D | | | | | | 207 | | |
| PSV-1512D | | | | | | 210 | | |
| PSV-5040E | | | | | | 196 | | |
| PSV-6550E | | | | | | 197 | | |
| PSV-8065E | | | | | | | | |
| PSV-1080E | | | | | | | | |
| PSV-1210E | | | | | | 202 | | |
| PSV-1512E | Ø42 | Ø47 | Ø59 | Ø42 | 12×8×50 | 209 | 175 | Thrust : 6410zzC3<br>Radial : 6409zzC3 |
| PSV-1512F | | | | | | 223 | | |
| PSV-2015D | | | | | | 223 | | |
| PSV-2015E | | | | | | 218 | | |
| PSV-2015F | Ø50 | Ø55 | Ø73 | Ø48 | 14×9×80 | 224 | 167.5 | Thrust : 6412zzC3<br>Radial : 6312zzC3 |
| PSV-2520E | | | | | | 253 | | |

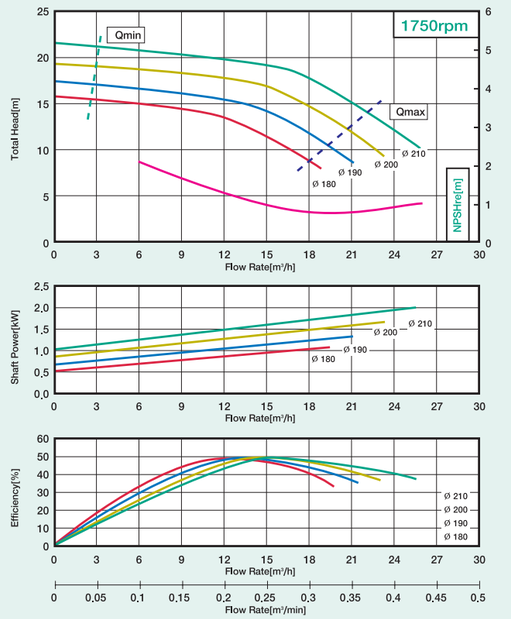
놈(영문)-1월 최종 2011.1.19 9:57 AM 페이지12



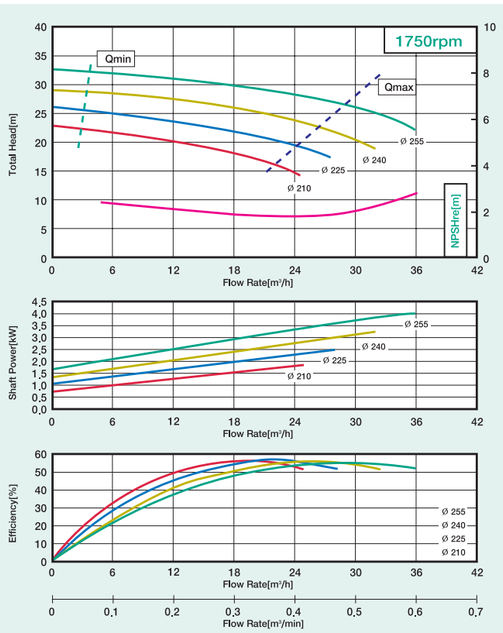
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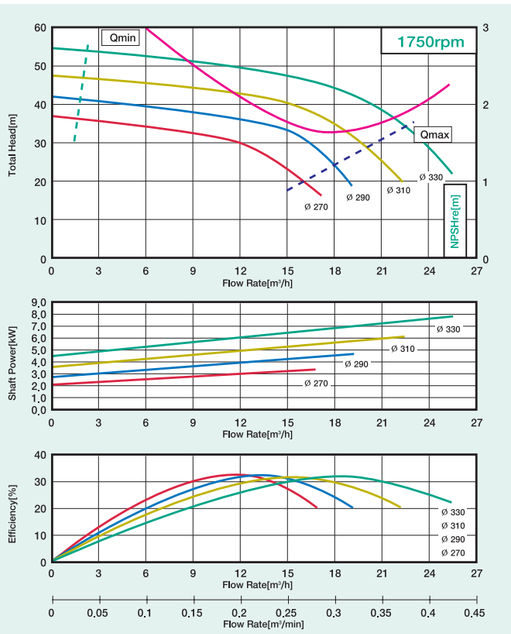

## PSV-5040C




## PSV-5040D



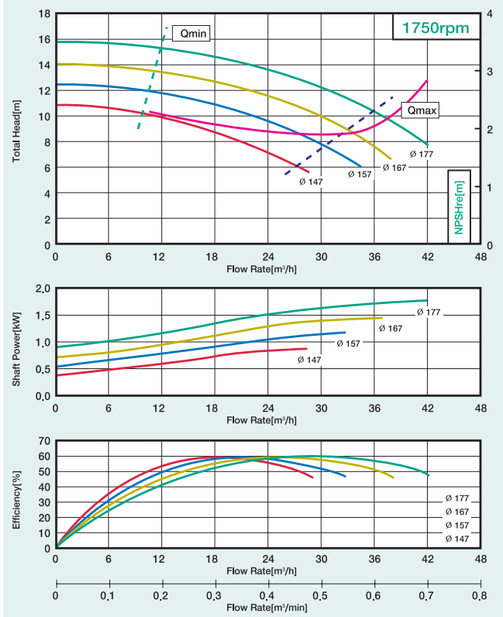

## PSV-5040E



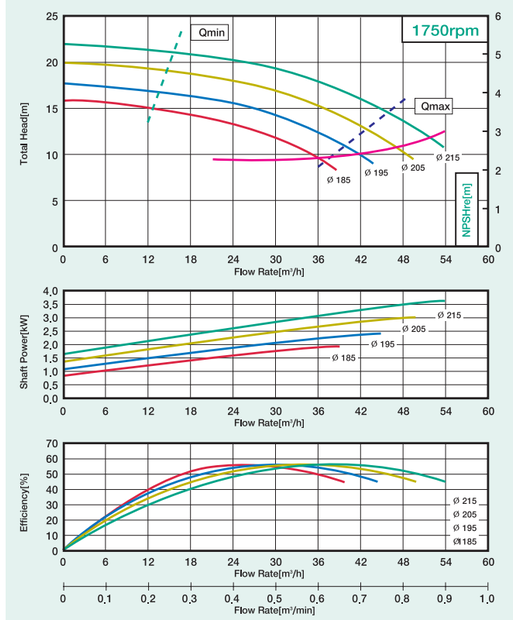




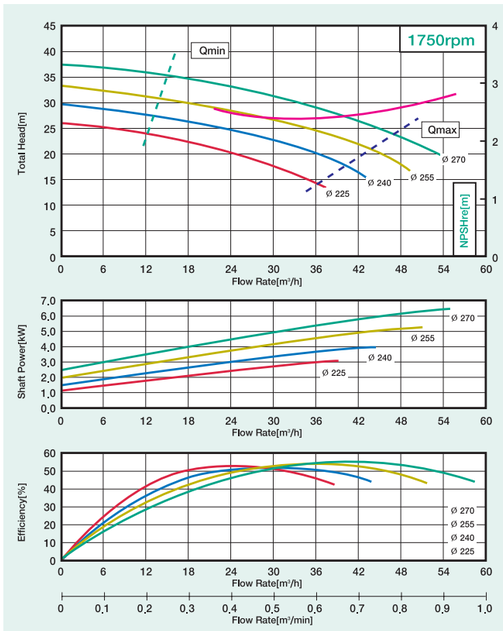

## PSV-6550B



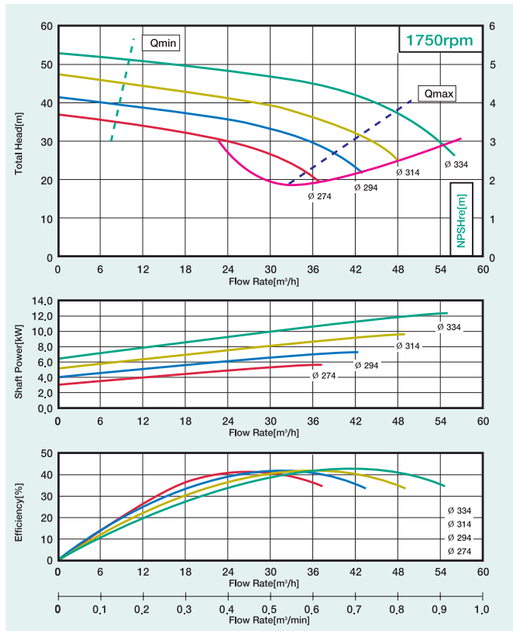

## PSV-6550C




## PSV-6550D



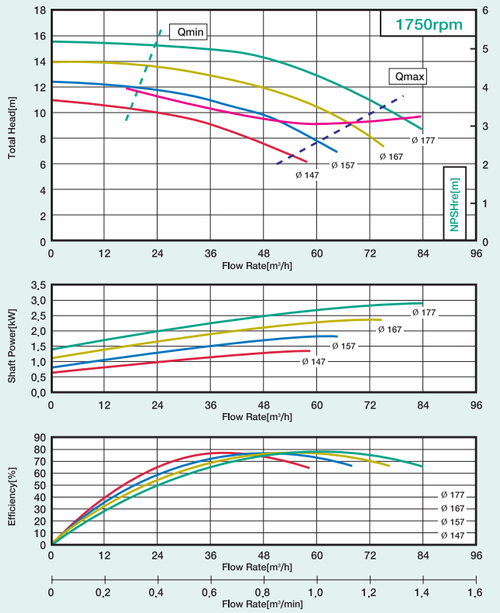

## PSV-6550E



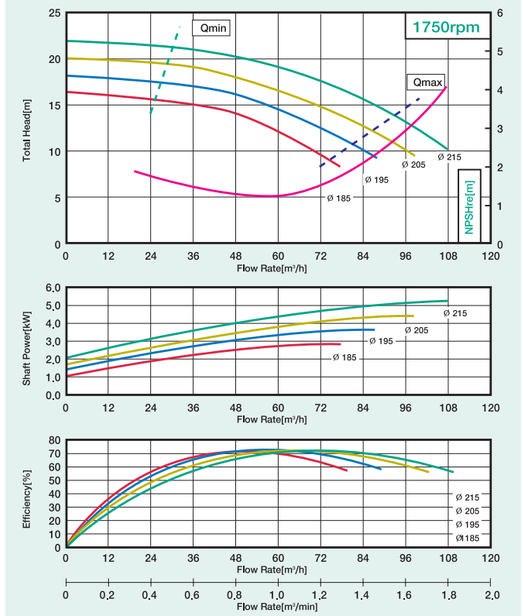
놈(영문)-1월 최종 2011.1.19 9:57 AM 페이지14



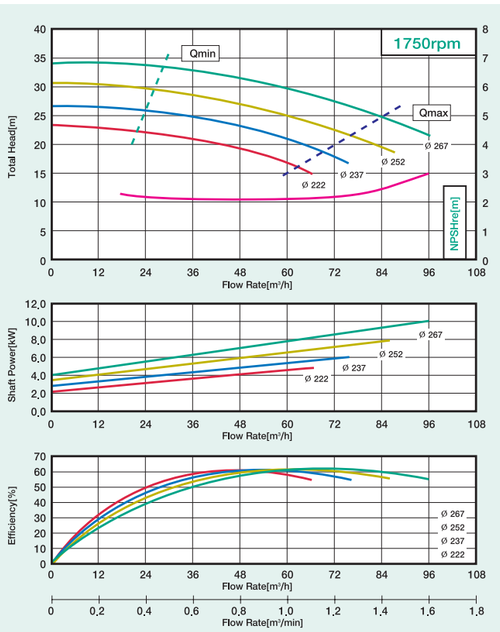
## PSV-8065B



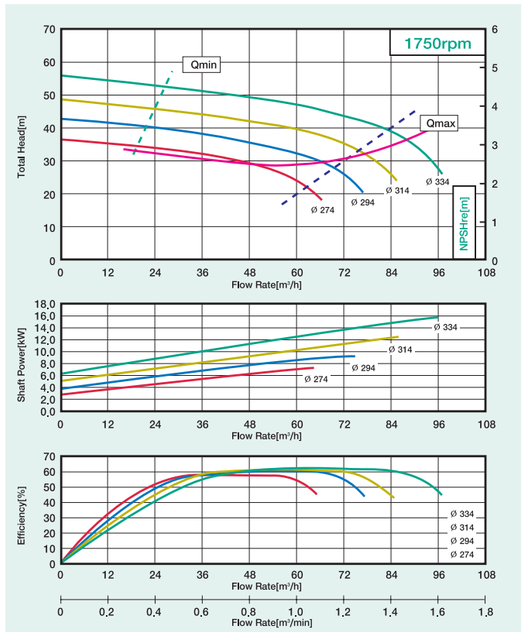

## PSV-8065C




## PSV-8065D



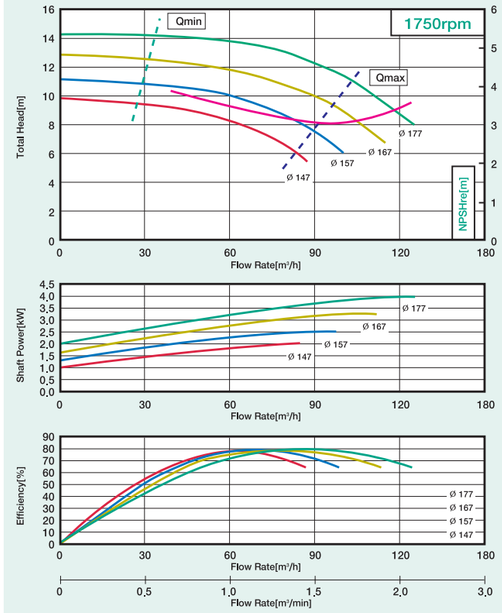

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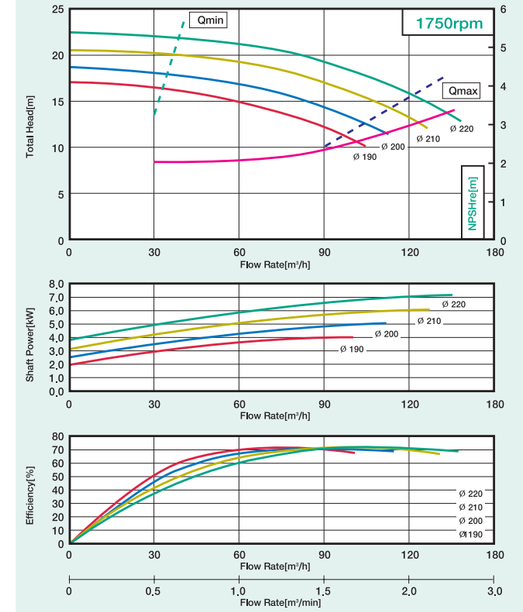




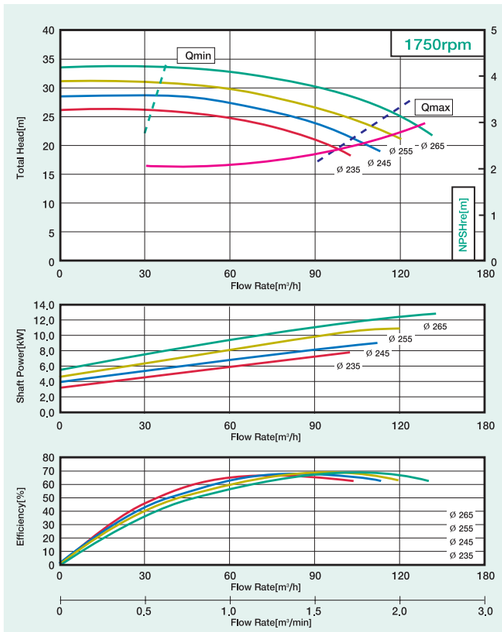

## PSV-1080B



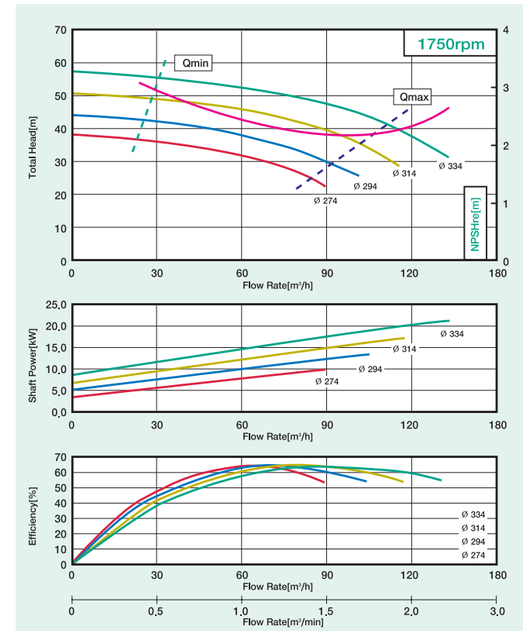

## PSV-1080C




## PSV-1080D



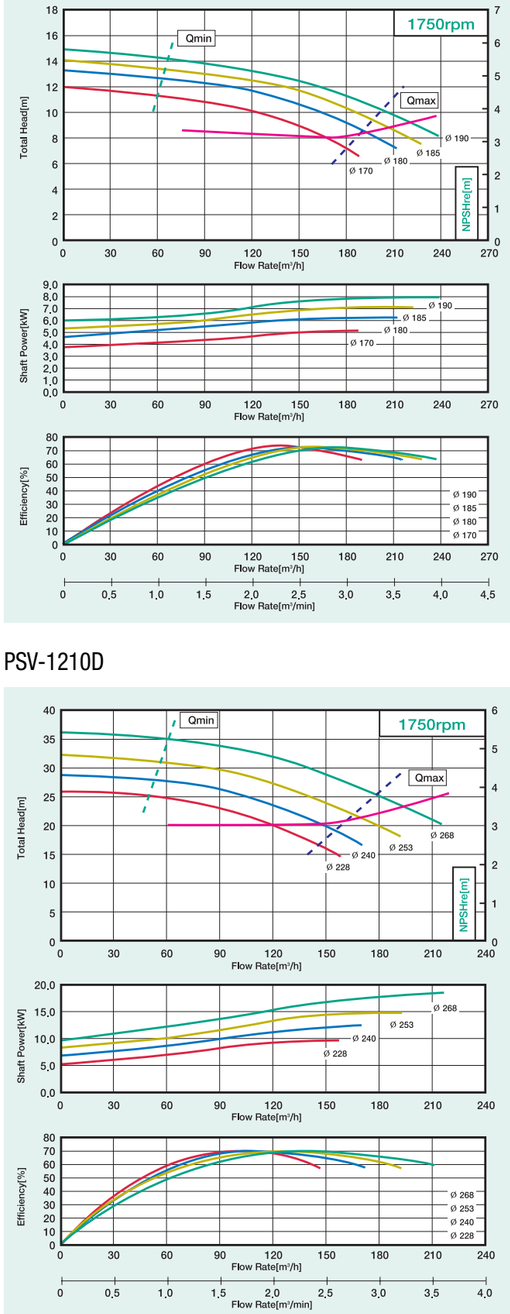

## PSV-1080E



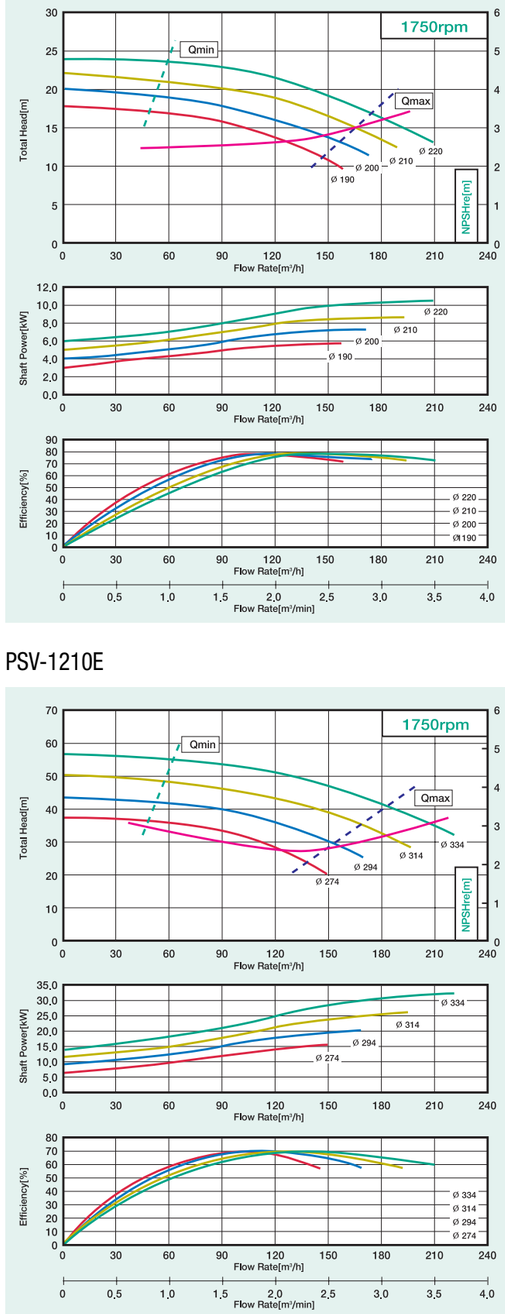
놈(영문)-1월 최종 2011.1.19 9:57 AM 페이지16



## PSV-1210B




## PSV-1210C




## PSV-1210D



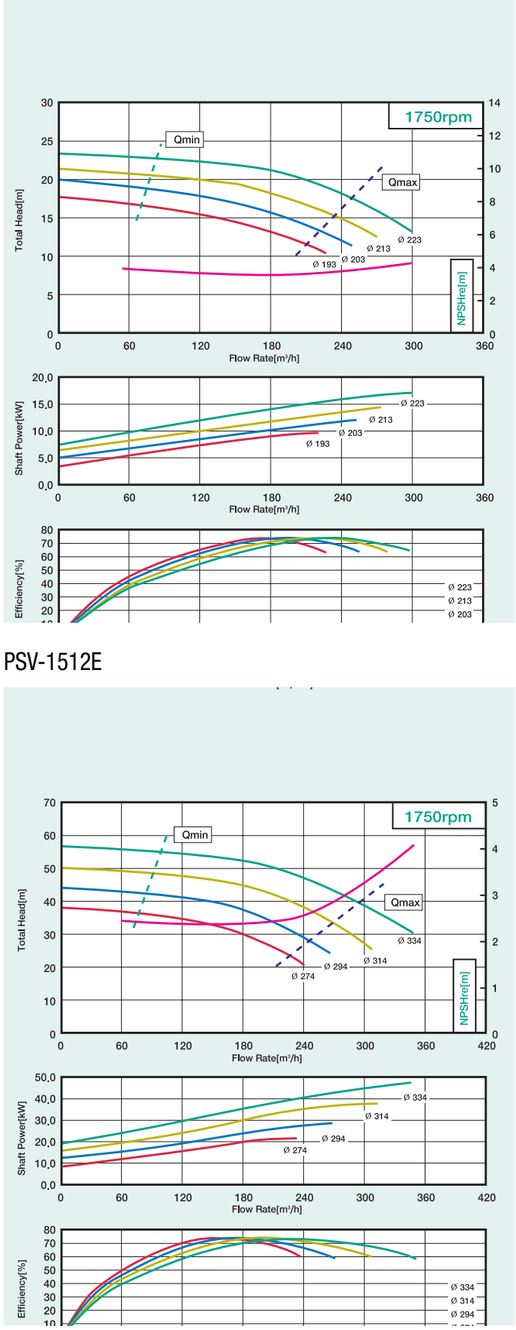

## PSV-1210E



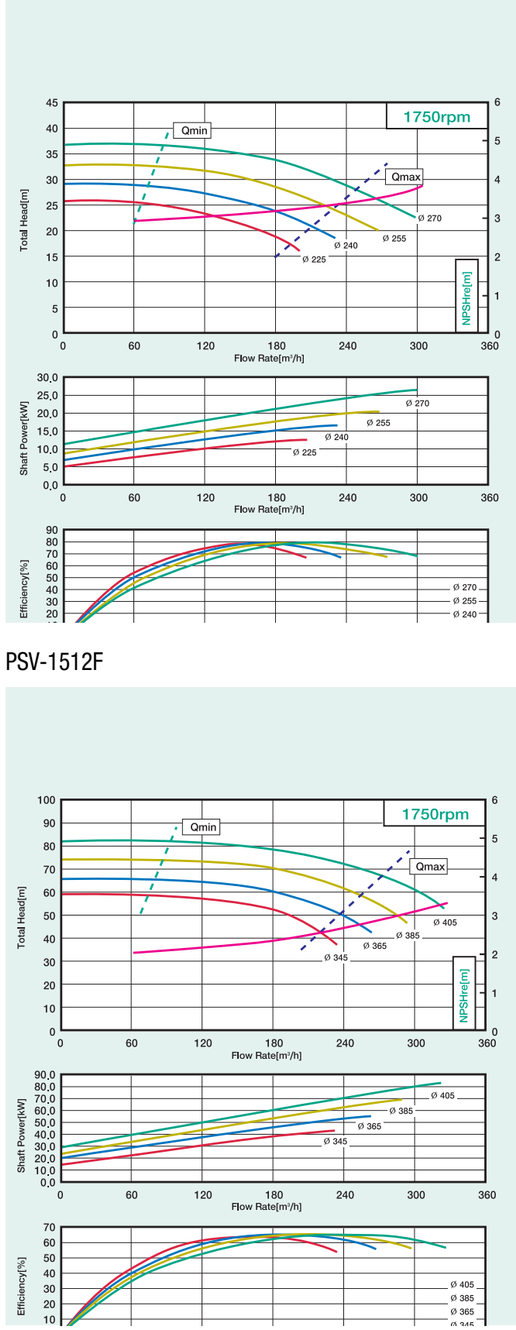





## PSV-1512C




## PSV-1512D




## PSV-1512E



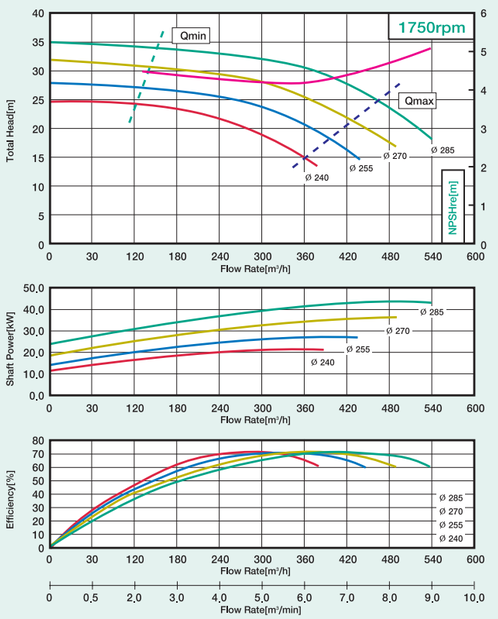

## PSV-1512F

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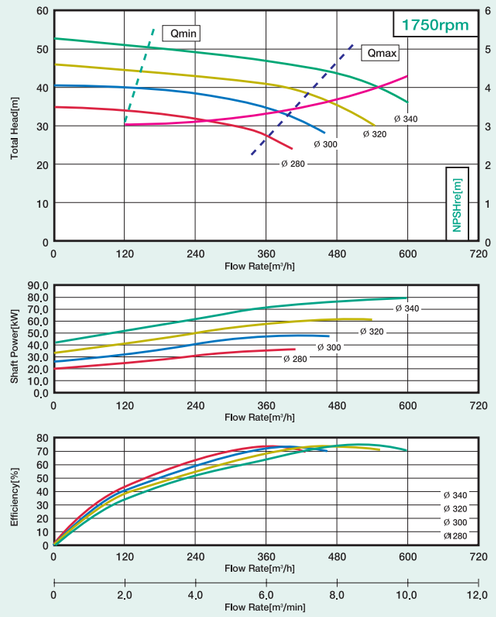


## Performance Curve 4pole

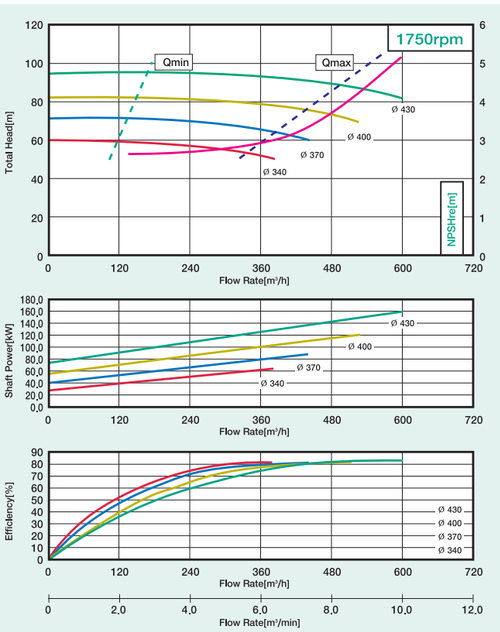
### PSV-2015D



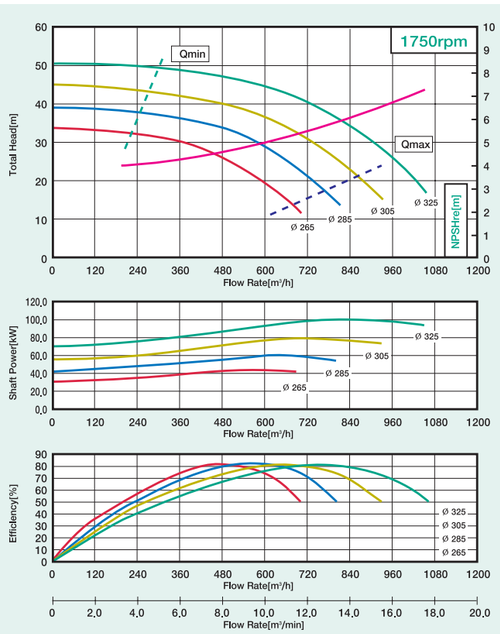

### PSV-2015E




### PSV-2015F




### PSV-2520E

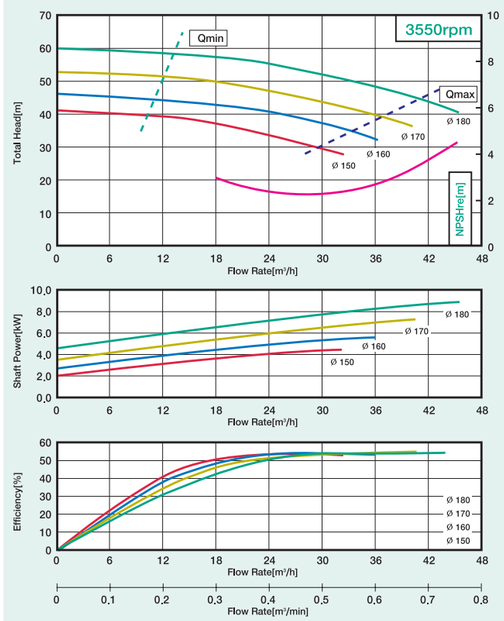




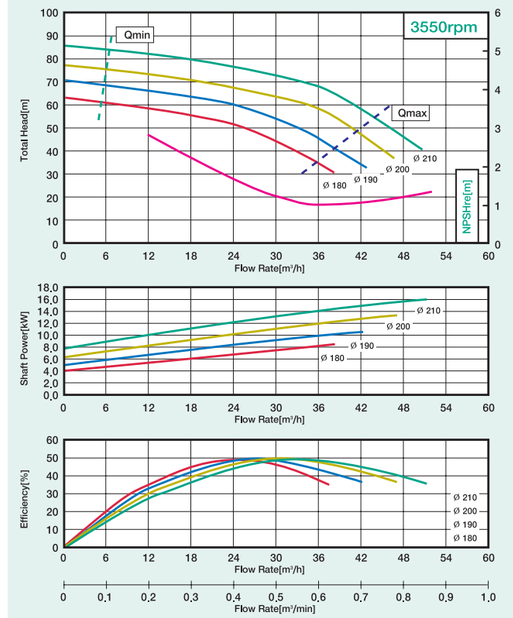



## Performance Curve 2pole

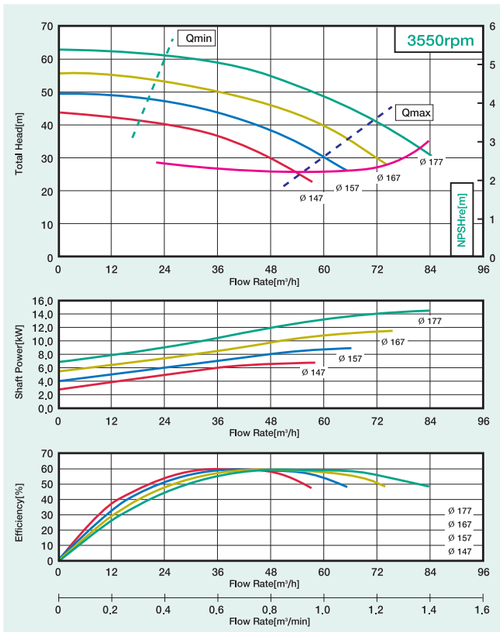
### PSV-5040B



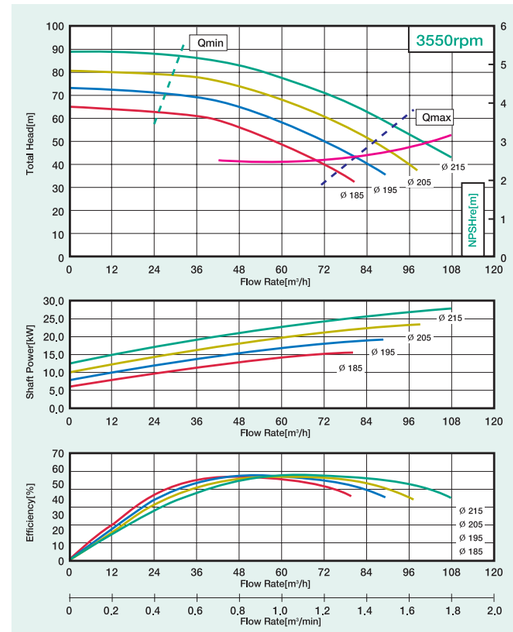

### PSV-5040C




### PSV-6550B




### PSV-6550C



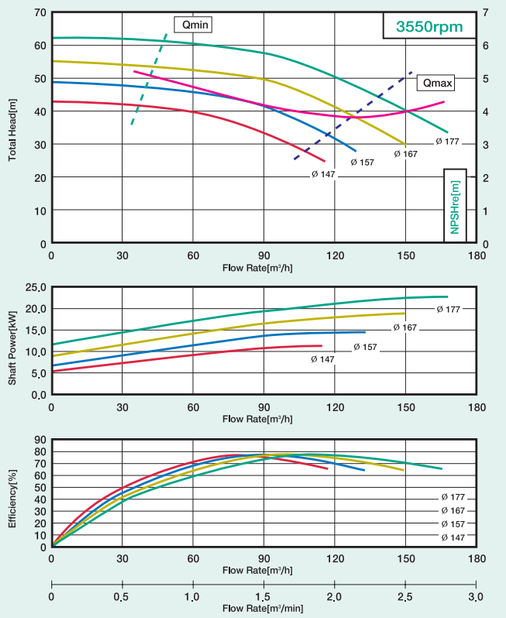
놈(영문)-1월 최종 2011.1.19 9:57 AM 페이지20

# End Suction Pump

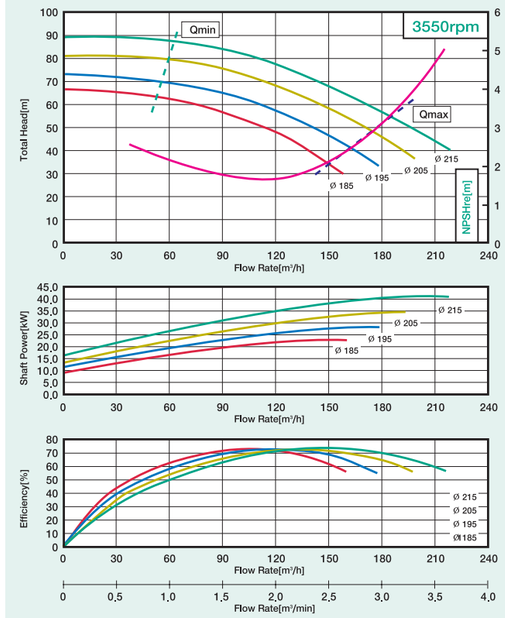
## PSV Series

### Performance Curve 2pole

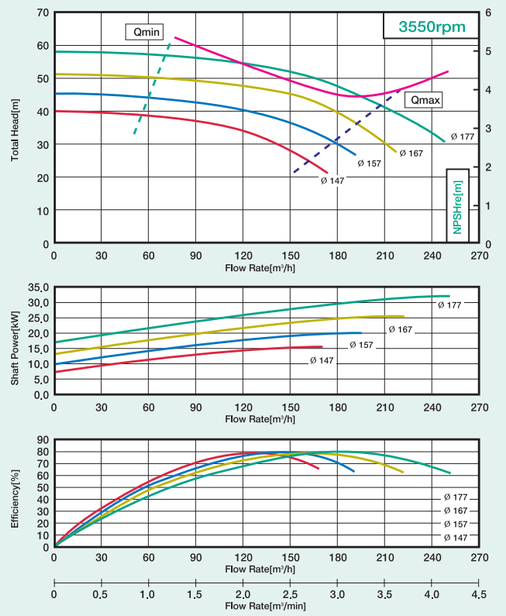
PSV-8065B



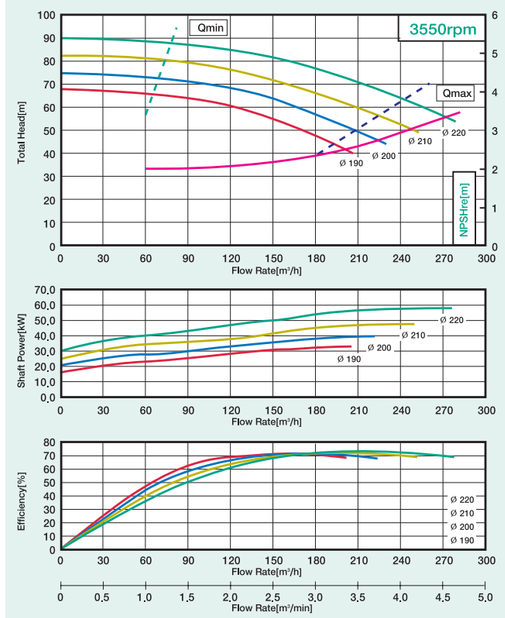

PSV-8065C




PSV-1080B




PSV-1080C








# Large Sized End Suction Pump

## FD Series

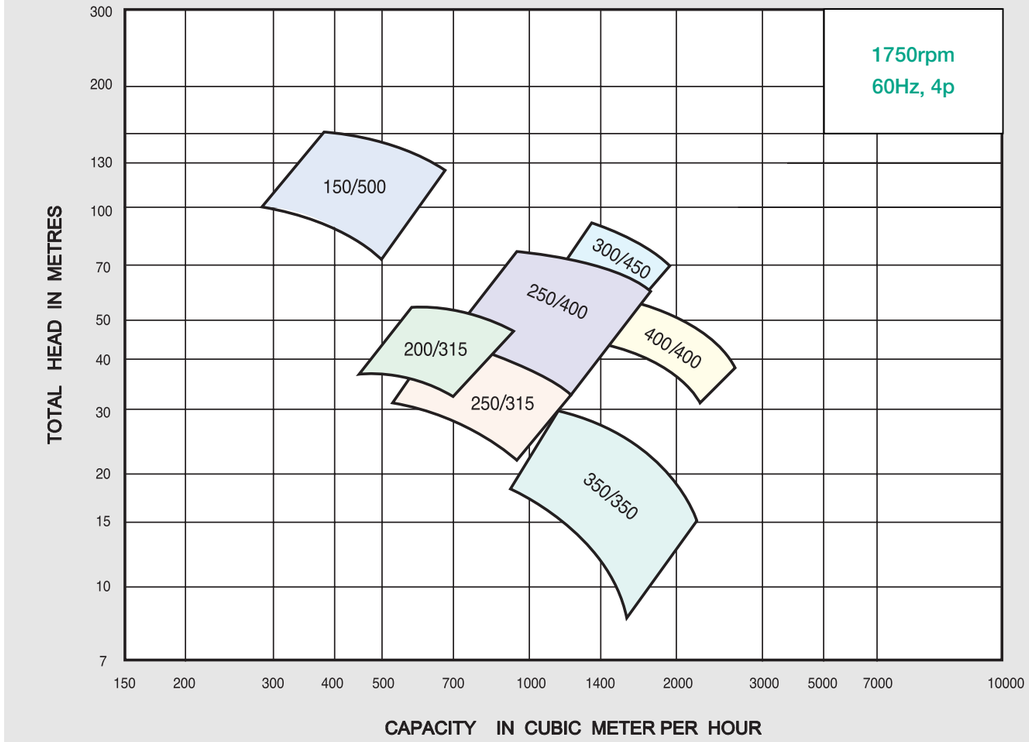
### Selection Chart

#### Model designation

**FD 150/500 - 185/4**

- FD : Large sized end - suction pump
- 150 / Outlet size
- 500 : Impeller diameter(mm)
- 185 / Motor rating(kW)
- 4 : Pole(4pole motor)

#### Selection chart



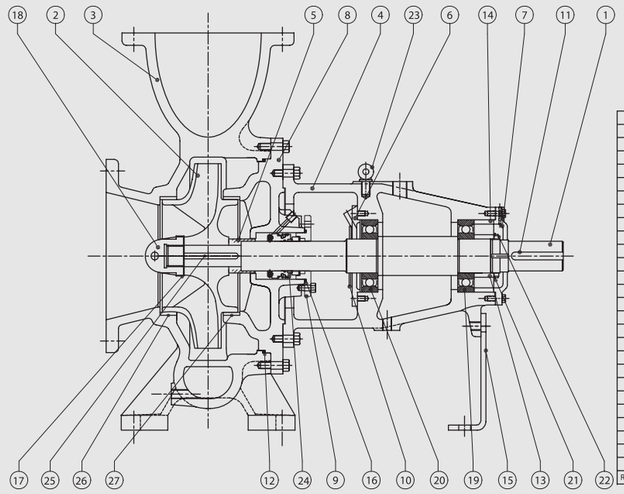
놈(영문)-1월 최종 2011.1.19 9:57 AM 페이지22

# Large Sized End Suction Pump

## FD Series

### Sectional Drawing

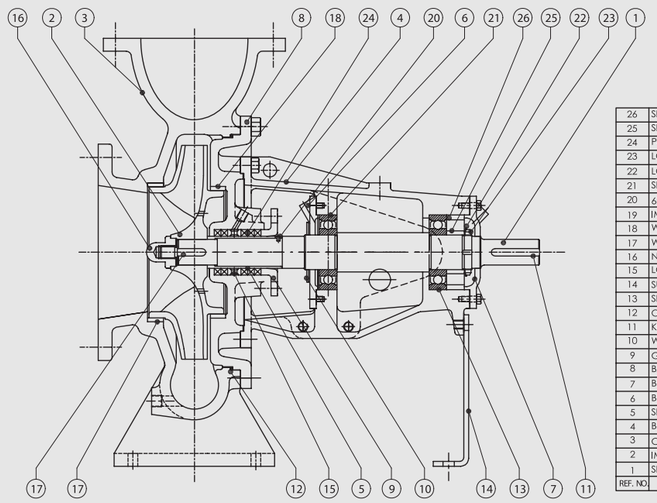
## Mechanical Seal type




| REF.NO. | DESCRIPTION | QTY. |
|---|---|---|
| 27 | WEAR RING (BACK COVER) | 1 |
| 26 | WEAR RING(CASING) | 1 |
| 25 | IMPELLER KEY | 1 |
| 24 | MECHANICAL SEAL | 1 |
| 23 | LIFTING HOOK | 1 |
| 22 | LOCK NUT | 1 |
| 21 | LOCK WASHER | 1 |
| 20 | DEEP GROOVE BALL BEARING | 1 |
| 19 | DEEP GROOVE BALL BEARING | 1 |
| 18 | NOSE CAP | 1 |
| 17 | IMPELLER LOCK WASHER | 1 |
| 16 | O-RING (GLAND PLATE) | 1 |
| 15 | SUPPORT FOOT | 1 |
| 14 | SPACER (OUTER) | 1 |
| 13 | SPACER (INNER) | 1 |
| 12 | O-RING (CASING) | 1 |
| 11 | KEY COUPLING | 1 |
| 10 | WATER THROWER | 1 |
| 9 | GLAND PLATE | 1 |
| 8 | BACK COVER | 1 |
| 7 | BEARING COVER (OUTER) | 1 |
| 6 | BEARING COVER (INNER) | 1 |
| 5 | SPACER IMPELLER | 1 |
| 4 | BEARING BRACKET | 1 |
| 3 | CASING | 1 |
| 2 | IMPELLER | 1 |
| 1 | SHAFT | 1 |

CROSS-SECTIONAL DRAWING FOR END SUCTION PUMP - MECHANICA SEAL AND STANDARD BEARING

## Gland Packing type




| REF. NO. | DESCRIPTION | QTY. |
|---|---|---|
| 26 | SPACER(OUTER) | 1 |
| 25 | SPACER(INNER) | 1 |
| 24 | PACKING | 1 |
| 23 | LOCK NUT | 1 |
| 22 | LOCK WASHER | 1 |
| 21 | SKF DEEP GROOVE BALL BEARING | 1 |
| 20 | 6mm DIA ANTI-ROTATION PEG. | 2 |
| 19 | IMPELLER KEY | 1 |
| 18 | WEAR RING (BACK COVER) | 1 |
| 17 | WEAR RING (CASING) | 1 |
| 16 | NOSE CAP | 1 |
| 15 | LOGGING RING | 1 |
| 14 | SUPPORT FOOT | 1 |
| 13 | SKF DEEP GROOVE BALL BEARING | 1 |
| 12 | O-RING (BACKCOVER) | 1 |
| 11 | KEY COUPLING | 1 |
| 10 | WATER THROWER | 1 |
| 9 | GLAND | 1 |
| 8 | BACK COVER | 1 |
| 7 | BEARING COVER (OUTER) | 1 |
| 6 | BEARING COVER (INNER) | 1 |
| 5 | SHAFT SLEEVE | 1 |
| 4 | BEARING BRACKET | 1 |
| 3 | CASING | 1 |
| 2 | IMPELLER | 1 |
| 1 | SHAFT | 1 |

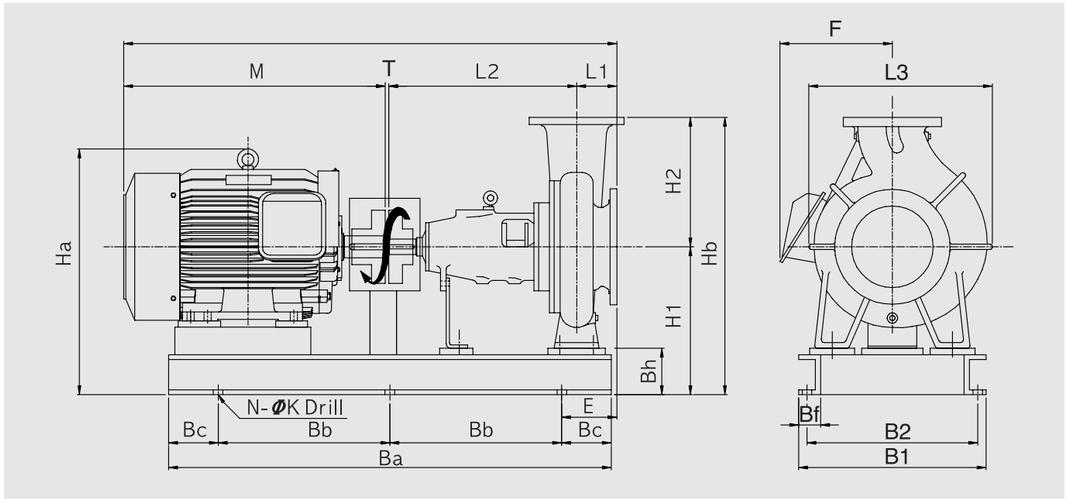
CROSS-SECTIONAL DRAWING FOR END SUCTION PUMP - MECHANICAL SEAL AND STANDARD BEARING



Large Sized End Suction Pump

FD Series

### Outline Dimensions




*Dimensions will vary on motor manufacturers.

| MODEL | POWER | FRAME | POLE | Dimension(mm) | | | | | | | | | | | | | | | | | | | | | Weight(kg) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | L | L1 | L2 | L3 | M | T | H1 | H2 | Ha | Hb | Bh | Ba | Bb | Bc | B1 | B2 | Bf | E | N | K | F | P,B | P,B,M |
| FD150/500 | 150 | 280L | 4 | 1900 | 160 | 676 | 788 | 1060 | 4 | 570 | 500 | 963 | 1070 | 170 | 1650 | 675 | 150 | 640 | 570 | 75 | 190 | 6 | 23 | 544 | 691 | 1771 |
| | 160 | 315S | 4 | 2071 | 160 | 676 | 788 | 1231 | 4 | 570 | 500 | 890 | 1070 | 170 | 1650 | 675 | 150 | 710 | 640 | 75 | 190 | 6 | 23 | 562 | 694 | 1794 |
| | 185 | 315M | 4 | 2080 | 160 | 676 | 788 | 1240 | 4 | 570 | 500 | 890 | 1070 | 170 | 1700 | 700 | 150 | 710 | 640 | 75 | 190 | 6 | 23 | - | 717 | 1967 |
| | 200 | 315M | 4 | 2080 | 160 | 676 | 788 | 1240 | 4 | 570 | 500 | 890 | 1070 | 170 | 1700 | 700 | 150 | 710 | 640 | 75 | 190 | 6 | 23 | - | 717 | 1967 |
| | 220 | 315M | 4 | 2080 | 160 | 676 | 788 | 1240 | 4 | 570 | 500 | 890 | 1070 | 170 | 1700 | 700 | 150 | 710 | 640 | 75 | 190 | 6 | 23 | - | 717 | 1967 |
| | 250 | 355L | 4 | 2390 | 160 | 676 | 788 | 1550 | 4 | 630 | 500 | 1280 | 1130 | 230 | 1900 | 800 | 150 | 770 | 690 | 80 | 190 | 6 | 27 | - | 777 | 2427 |
| FD200/315 | 55 | 225S | 4 | 1789 | 180 | 770 | 610 | 835 | 4 | 455 | 450 | 753 | 905 | 140 | 1500 | 600 | 150 | 700 | 640 | 65 | 210 | 6 | 23 | 425 | 436 | 776 |
| | 75 | 250S | 4 | 1839 | 180 | 770 | 610 | 885 | 4 | 455 | 450 | 787 | 905 | 140 | 1550 | 625 | 150 | 700 | 640 | 65 | 210 | 6 | 23 | 428 | 459 | 949 |
| | 90 | 250M | 4 | 1839 | 180 | 770 | 610 | 885 | 4 | 455 | 450 | 787 | 905 | 140 | 1550 | 625 | 150 | 700 | 640 | 65 | 210 | 6 | 23 | 428 | 463 | 983 |
| | 110 | 280S | 4 | 2094 | 180 | 770 | 610 | 1140 | 4 | 485 | 450 | 794 | 935 | 170 | 1700 | 700 | 150 | 720 | 650 | 75 | 210 | 6 | 23 | - | 511 | 1351 |
| | 132 | 280M | 4 | 2094 | 180 | 770 | 610 | 1140 | 4 | 485 | 450 | 794 | 935 | 170 | 1700 | 700 | 150 | 720 | 650 | 75 | 210 | 6 | 23 | - | 514 | 1374 |
| FD250/315 | 75 | 250S | 4 | 1799 | 240 | 670 | 750 | 885 | 4 | 540 | 525 | 872 | 1065 | 140 | 1450 | 575 | 150 | 680 | 620 | 65 | 165 | 6 | 23 | 428 | 649 | 1139 |
| | 90 | 250M | 4 | 1799 | 240 | 670 | 750 | 885 | 4 | 540 | 525 | 872 | 1065 | 140 | 1450 | 575 | 150 | 680 | 620 | 65 | 165 | 6 | 23 | 428 | 653 | 1173 |
| | 110 | 280S | 4 | 2054 | 240 | 670 | 750 | 1140 | 4 | 540 | 525 | 849 | 1065 | 140 | 1600 | 650 | 150 | 680 | 620 | 65 | 165 | 6 | 23 | - | 701 | 1541 |
| | 132 | 280M | 4 | 2054 | 240 | 670 | 750 | 1140 | 4 | 540 | 525 | 849 | 1065 | 140 | 1600 | 650 | 150 | 680 | 620 | 65 | 165 | 6 | 23 | - | 704 | 1564 |
| | 160 | 315S | 4 | 2145 | 240 | 670 | 750 | 1231 | 4 | 570 | 525 | 890 | 1095 | 170 | 1650 | 675 | 150 | 710 | 640 | 75 | 165 | 6 | 23 | 562 | 740 | 1840 |
| FD250/400 | 160 | 315S | 4 | 2311 | 240 | 836 | 750 | 1231 | 4 | 640 | 525 | 960 | 1165 | 230 | 1850 | 775 | 150 | 780 | 700 | 80 | 165 | 6 | 27 | 562 | 959 | 2059 |
| | 185 | 315M | 4 | 2320 | 240 | 836 | 750 | 1240 | 4 | 640 | 525 | 960 | 1165 | 230 | 1850 | 775 | 150 | 780 | 700 | 80 | 165 | 6 | 27 | - | 981 | 2231 |
| | 200 | 315M | 4 | 2320 | 240 | 836 | 750 | 1240 | 4 | 640 | 525 | 960 | 1165 | 230 | 1850 | 775 | 150 | 780 | 700 | 80 | 165 | 6 | 27 | - | 981 | 2231 |
| | 220 | 315M | 4 | 2320 | 240 | 836 | 750 | 1240 | 4 | 640 | 525 | 960 | 1165 | 230 | 1850 | 775 | 150 | 780 | 700 | 80 | 165 | 6 | 27 | - | 981 | 2231 |
| | 250 | 355L | 4 | 2630 | 240 | 836 | 750 | 1550 | 4 | 640 | 525 | 1290 | 1165 | 230 | 2050 | 875 | 150 | 780 | 700 | 80 | 165 | 6 | 27 | - | 1041 | 2691 |
| | 300 | 355L | 4 | 2630 | 240 | 836 | 750 | 1550 | 4 | 640 | 525 | 1290 | 1165 | 230 | 2050 | 875 | 150 | 780 | 700 | 80 | 165 | 6 | 27 | - | 1041 | 2691 |
| FD300/450 | 185 | 315M | 4 | 2370 | 280 | 846 | 770 | 1240 | 4 | 640 | 550 | 960 | 1190 | 230 | 1850 | 775 | 150 | 800 | 720 | 80 | 205 | 6 | 27 | - | 1096 | 2346 |
| | 200 | 315M | 4 | 2370 | 280 | 846 | 770 | 1240 | 4 | 640 | 550 | 960 | 1190 | 230 | 1850 | 775 | 150 | 800 | 720 | 80 | 205 | 6 | 27 | - | 1096 | 2346 |
| | 220 | 315M | 4 | 2370 | 280 | 846 | 770 | 1240 | 4 | 640 | 550 | 960 | 1190 | 230 | 1850 | 775 | 150 | 800 | 720 | 80 | 205 | 6 | 27 | - | 1096 | 2346 |
| | 250 | 355L | 4 | 2680 | 280 | 846 | 770 | 1550 | 4 | 640 | 550 | 1290 | 1190 | 230 | 2050 | 875 | 150 | 800 | 720 | 80 | 205 | 6 | 27 | - | 1156 | 2806 |
| | 300 | 355L | 4 | 2680 | 280 | 846 | 770 | 1550 | 4 | 640 | 550 | 1290 | 1190 | 230 | 2050 | 875 | 150 | 800 | 720 | 80 | 205 | 6 | 27 | - | 1156 | 2806 |
| | 315 | 355LL | 4 | 2802 | 280 | 846 | 770 | 1672 | 4 | 640 | 550 | 1205 | 1190 | 230 | 2250 | 975 | 150 | 800 | 720 | 80 | 205 | 6 | 27 | 685 | 1201 | 3151 |
| | 355 | 400M | 4 | 3340 | 280 | 846 | 770 | 2210 | 4 | 690 | 550 | 1790 | 1240 | 280 | 2700 | 1200 | 150 | 860 | 770 | 90 | 205 | 6 | 27 | 960 | 1201 | 3151 |
| | 400 | 400M | 4 | 3340 | 280 | 846 | 770 | 2210 | 4 | 690 | 550 | 1790 | 1240 | 280 | 2700 | 1200 | 150 | 860 | 770 | 90 | 205 | 6 | 27 | 960 | 1201 | 3151 |
| FD350/350 | 90 | 250M | 4 | 1999 | 280 | 830 | 830 | 885 | 4 | 610 | 560 | 942 | 1170 | 140 | 1600 | 650 | 150 | 770 | 710 | 65 | 210 | 6 | 23 | 428 | 872 | 1392 |
| | 110 | 280S | 4 | 2254 | 280 | 830 | 830 | 1140 | 4 | 640 | 560 | 949 | 1200 | 170 | 1750 | 725 | 150 | 790 | 720 | 75 | 210 | 6 | 23 | - | 920 | 1760 |
| | 132 | 280M | 4 | 2254 | 280 | 830 | 830 | 1140 | 4 | 640 | 560 | 949 | 1200 | 170 | 1750 | 725 | 150 | 790 | 720 | 75 | 210 | 6 | 23 | - | 923 | 1783 |
| | 160 | 315S | 4 | 2345 | 280 | 830 | 830 | 1231 | 4 | 700 | 560 | 1020 | 1260 | 230 | 1850 | 775 | 150 | 800 | 720 | 80 | 210 | 6 | 27 | 562 | 959 | 2059 |
| | 200 | 315M | 4 | 2444 | 350 | 850 | 830 | 1240 | 4 | 665 | 600 | 985 | 1265 | 230 | 1850 | 775 | 150 | 780 | 700 | 80 | 275 | 6 | 27 | - | 1021 | 2271 |
| | 250 | 355L | 4 | 2754 | 350 | 850 | 830 | 1550 | 4 | 664 | 600 | 1315 | 1265 | 230 | 2050 | 875 | 150 | 780 | 700 | 80 | 275 | 6 | 27 | - | 1081 | 2731 |
| | 300 | 355L | 4 | 2754 | 350 | 850 | 830 | 1550 | 4 | 664 | 600 | 1315 | 1265 | 230 | 2050 | 875 | 150 | 780 | 700 | 80 | 275 | 6 | 27 | - | 1081 | 2731 |
| | 315 | 355LL | 4 | 2876 | 350 | 850 | 830 | 1672 | 4 | 664 | 600 | 1230 | 1265 | 230 | 2250 | 975 | 150 | 780 | 700 | 80 | 275 | 6 | 27 | 685 | 1126 | 3076 |
| | 355 | 400M | 4 | 3414 | 350 | 850 | 830 | 2210 | 4 | 715 | 600 | 1815 | 1315 | 280 | 2700 | 1200 | 150 | 860 | 770 | 90 | 275 | 6 | 27 | 960 | 1126 | 3076 |
| FD400/400 | 200 | 315M | 4 | 2444 | 350 | 850 | 830 | 1240 | 4 | 664 | 600 | 985 | 1265 | 230 | 1850 | 775 | 150 | 780 | 700 | 80 | 275 | 6 | 27 | - | 1021 | 2271 |
| | 250 | 355L | 4 | 2754 | 350 | 850 | 830 | 1550 | 4 | 664 | 600 | 1315 | 1265 | 230 | 2050 | 875 | 150 | 780 | 700 | 80 | 275 | 6 | 27 | - | 1081 | 2731 |
| | 300 | 355L | 4 | 2754 | 350 | 850 | 830 | 1550 | 4 | 664 | 600 | 1315 | 1265 | 230 | 2050 | 875 | 150 | 780 | 700 | 80 | 275 | 6 | 27 | - | 1081 | 2731 |
| | 315 | 355LL | 4 | 2876 | 350 | 850 | 830 | 1672 | 4 | 664 | 600 | 1230 | 1265 | 230 | 2250 | 975 | 150 | 780 | 700 | 80 | 275 | 6 | 27 | 685 | 1126 | 3076 |
| | 355 | 400M | 4 | 3414 | 350 | 850 | 830 | 2210 | 4 | 715 | 600 | 1815 | 1315 | 280 | 2700 | 1200 | 150 | 860 | 770 | 90 | 275 | 6 | 27 | 960 | 1126 | 3076 |

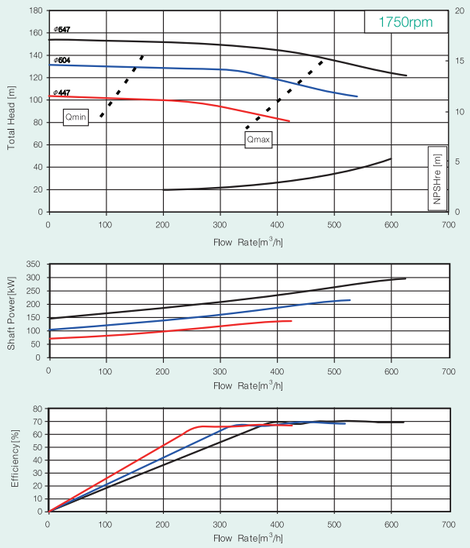
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# Large Sized End Suction Pump

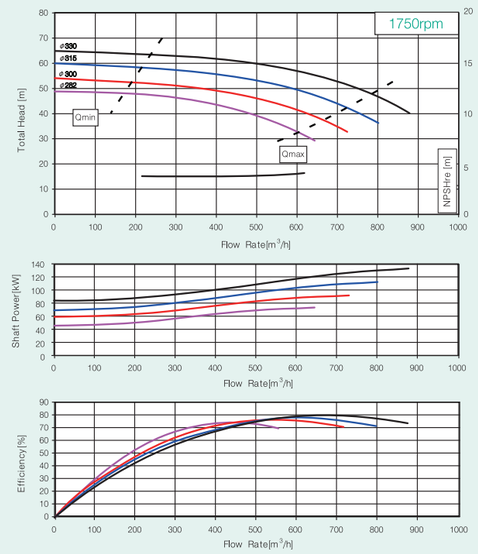
## FD Series

### Performance Curve 4pole

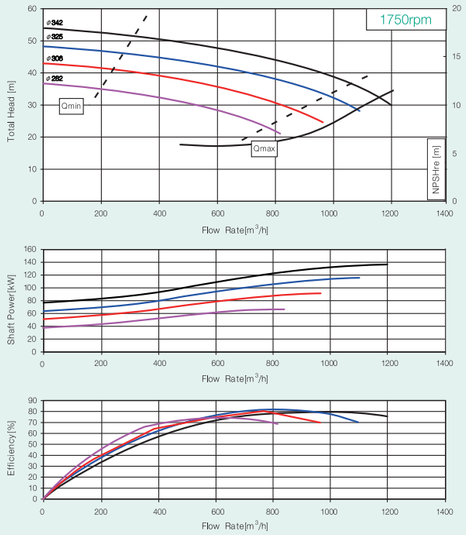
FD150/500



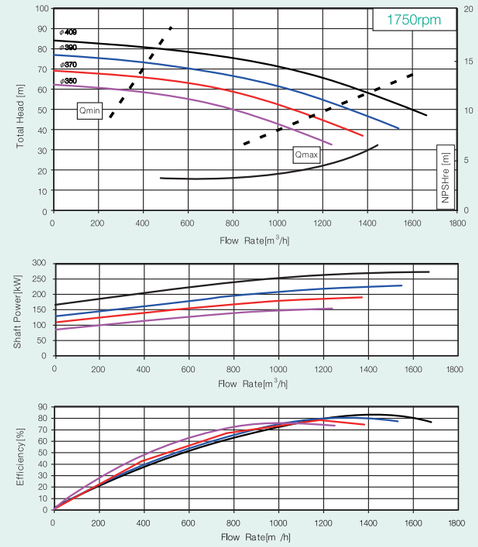

FD200/315




FD250/315




FD250/400





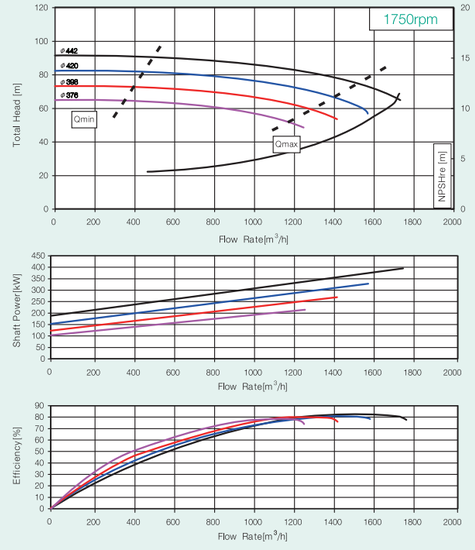



Large Sized End Suction Pump

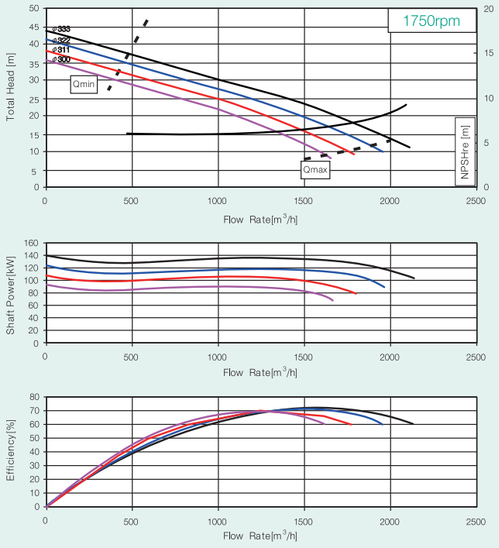
FD Series

Performance Curve 4pole

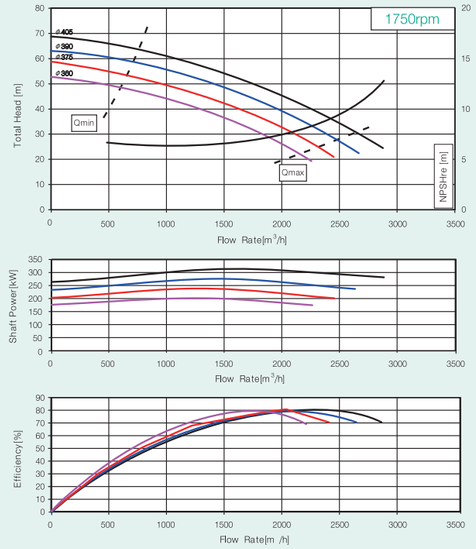
FD300/450




FD350/350




FD400/400

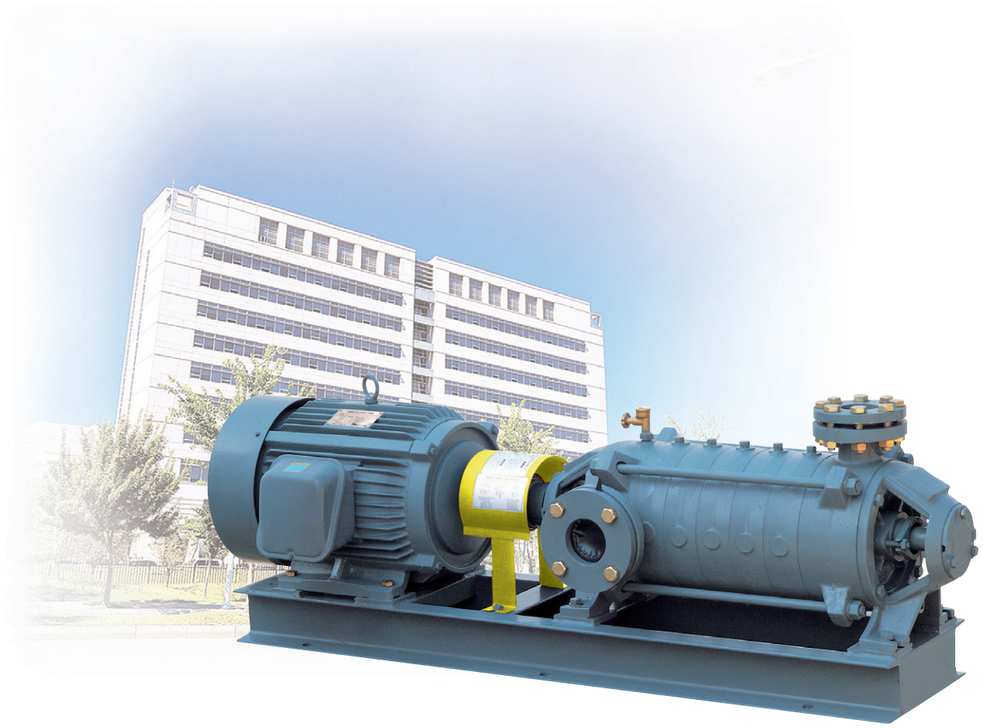


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# Ring Section Pump

## Multi-Stage Pumps ( ∅ 40~ ∅ 65)

Product Introduction



### Design and structural features

1.Material of construction for casing is GC250 for high pressure and each casing is sealed with o-rings.

2.Combination of impellers covers wide range of duty.

3.Balancing hole is applied at impeller to minimize axial thrust

### Strength of PMT Ring section pump

- Compact, high performance design ensures low installation cost and energy saving.
- Flexible position of inlet/outlet for handy piping
- Gland packing as standard and mechanical seal as options

### Application

- Industrial plant
- Building service
- fire fighting



# Ring Section Pump

## Multi-Stage Pumps ( ∅ 80~ ∅ 150)

Product Introduction




### Design and structural features

1. Ball bearing for long lifecycle

2. Depressure piping

3. RF type flange

### Strength of PMV Ring Section Pump

- Designed to cover wide range
- Enables stable inlet flow of water at the entrance of impeller for improved suction
- Reinforced bearing arrangement ensures low vibration and noise
- Ball bearing ensures to endure axial thrust and constant lubrication

### Usage and Application

- Industrial plant
- Building service
- fire fighting

## 1. Applicable fluids (clean water within 0~80°C)

In case of pumping liquid other than water, please contact us for technical clearance.

## 2. Suction condition

Please keep the total suction head or input pressure as table below.

### Allowed value of total suction head

| Fluid temperature | Inlet Size | Total suction pressure |
|---|---|---|
| 0°C~40°C | 40 ~ 100mm | Less than -6m |
| | 100 ~ 150mm | Less than -5.5m |

## 3. Important Operating condition

In case of very frequent operation by automatic controller, material of impeller shall be bronze or above (such as stainless steel). And please make sure that number of operation shall not exceed 12times an hour.
Please minimize friction loss at inlet piping to avoid water hammer

## Options

1. Sealing: G/P or M/Seal

2. Material : Shaft - STS304
Impeller - BC6

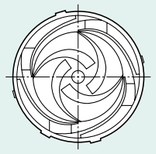
## Structure of casing

Separate Guide Vane



ø 40 ~ ø 65

Intergrated Guide Vane



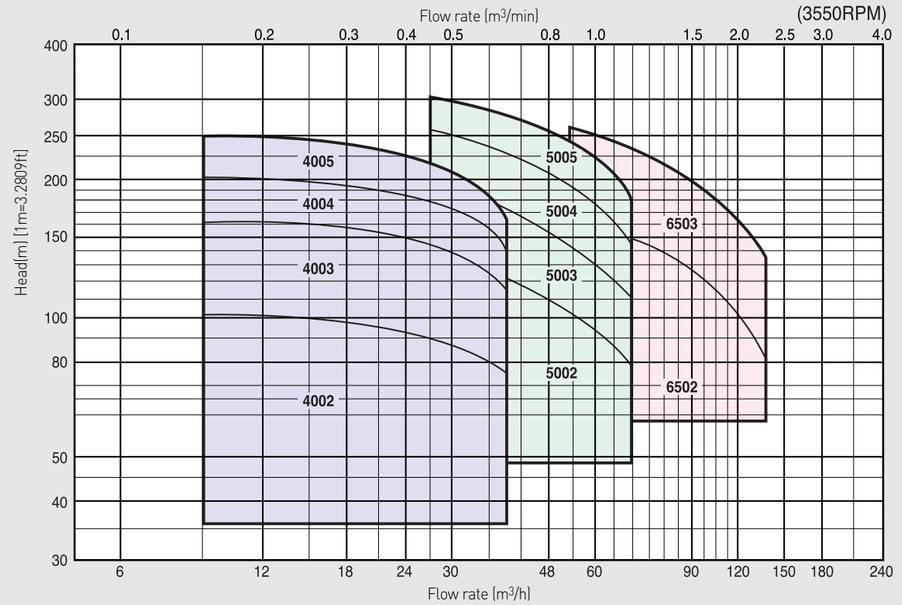
ø 80 ~ ø 150

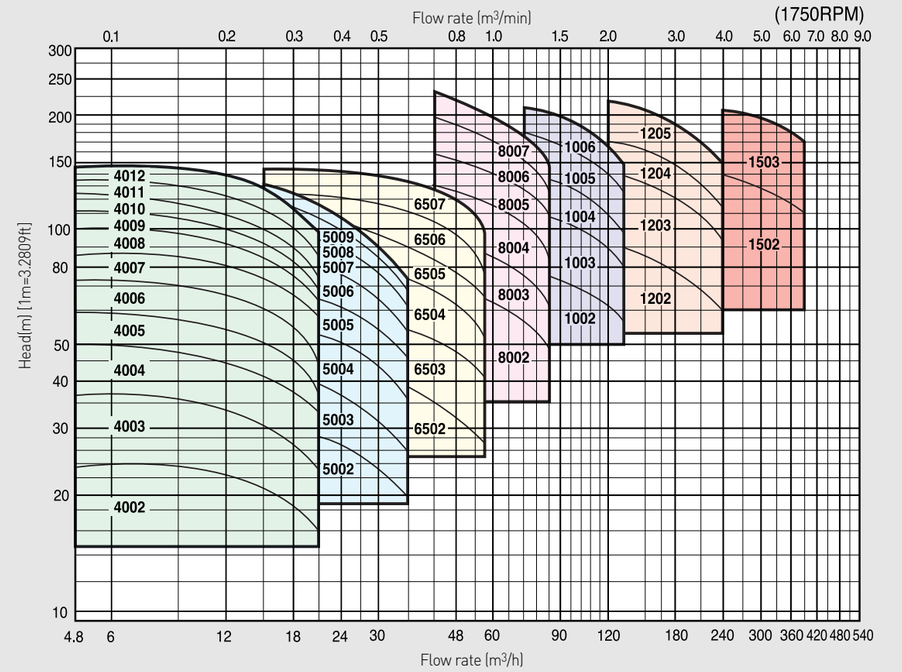
## Model designation

| Pump Type | Discharge Bore(mm) | No. of Stage |
|---|---|---|
| MULTI STAGE PUMP | 15:150<br>12:125<br>10:100<br>80:80<br>65:65<br>50:50<br>40:40 | 2STAGE<br>3STAGE<br>•<br>•<br>•<br>• |
| PMT/PMV | - 50 | 03 |







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# Ring Section Pump

## Multi-Stage Pumps

### Selection Table

1750RPM (60Hz, 4P)

| H \ Q | 4,8 | 6 | 9 | 12 | 15 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 72 | 84 | Q \ H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 230 | | | | | | | | | | | | | | | | 230 |
| 220 | | | | | | | | | | 8007<br>75 1,8 | 8007<br>75 1,8 | | | | | 220 |
| 200 | | | | | | | | | | 8007<br>55 1,8 | 8007<br>55 1,8 | 8007<br>75 2,0 | 8007<br>75 2,2 | 1006<br>90 2,5 | 1006<br>90 2,6 | 200 |
| 180 | | | | | | | | | | 8006<br>45 1,8 | 8006<br>55 1,8 | 8006<br>55 1,8 | 8007<br>75 2,2 | 1006<br>75 2,5 | 1006<br>75 2,6 | 180 |
| 160 | | | | | | | | | | 8006<br>45 1,8 | 8006<br>45 1,8 | 8006<br>45 1,8 | 8006<br>55 2,0 | 8007<br>75 2,2 | 1005<br>75 2,6 | 160 |
| 150 | | | | | | | | | | 8005<br>37 1,8 | 8005<br>37 1,8 | 8005<br>45 1,8 | 8006<br>45 2,0 | 8006<br>75 2,2 | 1005<br>75 2,6 | 150 |
| 145 | 4012<br>7,5 1,2 | 4012<br>11 1,3 | | | | | | | | 8005<br>37 1,8 | 8005<br>37 1,8 | 8005<br>37 1,8 | 8005<br>45 2,0 | 8006<br>55 2,2 | 1005<br>75 2,6 | 145 |
| 140 | 4012<br>7,5 1,2 | 4012<br>7,5 1,3 | 4012<br>11 1,4 | | | | | | | 8005<br>37 1,8 | 8005<br>37 1,8 | 8005<br>37 1,8 | 8005<br>45 2,0 | 8006<br>55 2,2 | 1005<br>75 2,6 | 140 |
| 135 | 411<br>7,5 1,2 | 4011<br>7,5 1,3 | 4012<br>7,5 1,4 | 4012<br>11 1,4 | | | 6507<br>22 1,6 | | | 8005<br>30 1,8 | 8005<br>37 1,8 | 8005<br>37 1,8 | 8005<br>37 2,0 | 8006<br>55 2,2 | 1005<br>75 2,6 | 135 |
| 130 | 4011<br>7,5 1,2 | 4011<br>7,5 1,3 | 4011<br>7,5 1,4 | 4012<br>11 1,4 | 6507<br>18,5 1,4 | 6507<br>18,5 1,5 | 6507<br>22 1,6 | 6507<br>22 1,8 | | 8005<br>30 1,8 | 8005<br>37 1,8 | 8005<br>37 1,8 | 8005<br>37 2,0 | 8005<br>55 2,2 | 8006<br>75 3,0 | 130 |
| 125 | 4010<br>7,5 1,2 | 4010<br>7,5 1,3 | 4011<br>7,5 1,4 | 4012<br>11 1,4 | 4012<br>11 1,3 | 5009<br>15 1,6 | 6507<br>18,5 1,6 | 6507<br>22 1,8 | 6507<br>30 1,8 | 8004<br>37 1,8 | 8005<br>37 1,8 | 8005<br>37 1,8 | 8005<br>37 2,0 | 8005<br>55 2,2 | 8006<br>75 3,0 | 125 |
| 120 | 4010<br>7,5 1,2 | 4010<br>7,5 1,3 | 4010<br>7,5 1,4 | 4011<br>11 1,4 | 4012<br>11 1,3 | 5009<br>15 1,6 | 6507<br>18,5 1,6 | 6507<br>22 1,8 | 6507<br>22 1,8 | 8004<br>30 1,8 | 8004<br>37 1,8 | 8005<br>37 1,8 | 8005<br>37 2,0 | 8005<br>45 2,2 | 8006<br>75 3,0 | 120 |
| 115 | 4010<br>7,5 1,2 | 4010<br>7,5 1,3 | 4010<br>7,5 1,4 | 4011<br>7,5 1,4 | 4012<br>11 1,3 | 4012<br>11 1,4 | 6506<br>18,5 1,6 | 6507<br>18,5 18 | 6507<br>22 1,8 | 6507<br>30 2 | 8004<br>30 1,8 | 8004<br>37 1,8 | 8004<br>37 2,0 | 8005<br>45 2,2 | 8006<br>55 3,0 | 115 |
| 110 | 4009<br>5,5 1,2 | 4009<br>7,5 1,3 | 4010<br>7,5 1,4 | 4010<br>7,5 1,4 | 4011<br>11 1,3 | 4012<br>11 1,4 | 5009<br>15 1,8 | 6506<br>18,5 1,8 | 6507<br>22 1,8 | 6507<br>30 2 | 8004<br>30 1,8 | 8004<br>30 1,8 | 8004<br>37 2,0 | 8005<br>45 2,2 | 8005<br>55 3,0 | 110 |
| 105 | 4009<br>5,5 1,2 | 4009<br>7,5 1,3 | 4009<br>7,5 1,4 | 4010<br>7,5 1,4 | 4011<br>11 1,3 | 4012<br>11 1,4 | 5009<br>15 1,8 | 6506<br>18,5 1,8 | 6506<br>18,5 1,8 | 6507<br>30 2 | 6507<br>30 2,2 | 8004<br>30 1,8 | 8004<br>37 2,0 | 8005<br>45 2,2 | 8005<br>55 3,0 | 105 |
| 100 | 4008<br>5,5 1,2 | 4008<br>5,5 1,3 | 4009<br>7,5 1,4 | 4009<br>7,5 1,4 | 4010<br>11 1,3 | 4011<br>11 1,4 | 5008<br>15 1,8 | 6506<br>18,5 1,8 | 6506<br>18,5 1,8 | 6506<br>22 2 | 6507<br>30 2,2 | 8004<br>30 1,8 | 8004<br>37 2,0 | 8004<br>37 2,2 | 8005<br>45 3,0 | 100 |
| 95 | 4008<br>5,5 1,2 | 4008<br>5,5 1,3 | 4008<br>7,5 1,4 | 4009<br>7,5 1,4 | 4010<br>7,5 1,3 | 4011<br>11 1,4 | 5008<br>15 1,8 | 6506<br>18,5 1,8 | 6506<br>18,5 1,8 | 6506<br>22 2 | 6507<br>30 2,2 | 6507<br>30 2,5 | 8004<br>30 2,0 | 8004<br>37 2,2 | 8005<br>45 3,0 | 95 |
| 90 | 4008<br>5,5 1,2 | 4008<br>5,5 1,3 | 4008<br>5,5 1,4 | 4008<br>7,5 1,4 | 4009<br>7,5 1,3 | 4010<br>11 1,4 | 5008<br>15 1,8 | 5009<br>18,5 2,2 | 6505<br>18,5 1,8 | 6506<br>18,5 2 | 6506<br>22 2,2 | 6507<br>30 2,5 | 8003<br>30 2 | 8004<br>37 2,2 | 8005<br>45 3,0 | 90 |
| 85 | 4007<br>5,5 1,2 | 4007<br>5,5 1,3 | 4008<br>5,5 1,4 | 4008<br>7,5 1,4 | 4009<br>7,5 1,3 | 4009<br>11 1,4 | 5007<br>11 1,8 | 5009<br>15 2,2 | 6505<br>18,5 1,8 | 6506<br>18,5 2 | 6506<br>22 2,2 | 6507<br>30 2,5 | 8003<br>30 2 | 8004<br>30 2,2 | 8004<br>45 3,0 | 85 |
| 80 | 4007<br>5,5 1,2 | 4007<br>5,5 1,3 | 4007<br>5,5 1,4 | 4008<br>5,5 1,4 | 4008<br>7,5 1,3 | 4009<br>11 1,4 | 5007<br>11 1,8 | 5007<br>15 2,2 | 6505<br>15 1,8 | 6505<br>18,5 2 | 6506<br>18,5 2,2 | 6506<br>30 2,5 | 8003<br>30 2 | 8004<br>30 2,2 | 8004<br>37 3,0 | 80 |
| 75 | 4006<br>3,7 1,2 | 4007<br>5,5 1,3 | 4007<br>5,5 1,4 | 4007<br>5,5 1,4 | 4008<br>7,5 1,3 | 4008<br>7,5 1,4 | 5007<br>11 1,8 | 5008<br>15 2,2 | 6505<br>15 1,8 | 6505<br>18,5 2 | 6505<br>18,5 2,2 | 6506<br>22 2,5 | 8003<br>30 2 | 8003<br>30 2,2 | 8004<br>37 3,0 | 75 |
| 70 | 4006<br>3,7 1,2 | 4006<br>5,5 1,3 | 4006<br>5,5 1,4 | 4007<br>5,5 1,4 | 4007<br>5,5 1,3 | 4008<br>7,5 1,4 | 5006<br>11 1,8 | 5007<br>15 2,2 | 6504<br>15 1,8 | 6505<br>15 2 | 6505<br>18,5 2,2 | 6506<br>22 2,5 | 8003<br>22 2 | 8003<br>30 2,2 | 8004<br>37 3,0 | 70 |
| 65 | 4006<br>3,7 1,2 | 4006<br>3,7 1,3 | 4006<br>5,5 1,4 | 4006<br>5,5 1,4 | 4007<br>5,5 1,3 | 4007<br>7,5 1,4 | 5006<br>11 1,8 | 5007<br>11 2,2 | 6504<br>15 1,8 | 6504<br>15 2 | 6505<br>18,5 2,2 | 6505<br>18,5 2,5 | 8003<br>18,5 2 | 8003<br>30 2,2 | 8003<br>30 3,0 | 65 |
| 60 | 4005<br>3,7 1,2 | 4005<br>3,7 1,3 | 4006<br>3,7 1,4 | 4006<br>5,5 1,4 | 4006<br>5,5 1,3 | 4007<br>7,5 1,4 | 5006<br>11 1,8 | 5006<br>11 2,2 | 6504<br>15 1,8 | 6504<br>15 2 | 6504<br>15 2,2 | 6505<br>18,5 2,5 | 8002<br>18,5 2 | 8003<br>30 2,2 | 8003<br>30 3,0 | 60 |
| 55 | 4005<br>3,7 1,2 | 4005<br>3,7 1,3 | 4005<br>3,7 1,4 | 4005<br>5,5 1,4 | 4006<br>5,5 1,3 | 4007<br>5,5 1,4 | 5005<br>7,5 1,8 | 5005<br>11 2,2 | 6503<br>11 1,8 | 6504<br>15 2 | 6504<br>15 2,2 | 6504<br>15 2,5 | 8002<br>18,5 2 | 8002<br>22 2,2 | 8003<br>30 3,0 | 55 |
| 50 | 4004<br>3,7 1,2 | 4004<br>3,7 1,3 | 4005<br>3,7 1,4 | 4005<br>3,7 1,4 | 4005<br>5,5 1,3 | 4006<br>5,5 1,4 | 5004<br>7,5 1,8 | 5005<br>11 2,2 | 6503<br>11 1,8 | 6503<br>11 2 | 6504<br>15 2,2 | 6504<br>15 2,5 | 8002<br>15 2 | 8002<br>18,5 2,2 | 8003<br>30 3,0 | 50 |
| 45 | 4004<br>2,2 1,2 | 4004<br>3,7 1,3 | 4004<br>3,7 1,4 | 4004<br>3,7 1,4 | 4005<br>3,7 1,3 | 4006<br>5,5 1,4 | 5004<br>7,5 1,8 | 5004<br>7,5 2,2 | 6503<br>11 1,8 | 6503<br>11 2 | 6503<br>11 2,2 | 6504<br>15 2,5 | 8002<br>15 2 | 8002<br>18,5 2,2 | 8002<br>22 3,0 | 45 |
| 40 | 4004<br>2,2 1,2 | 4004<br>2,2 1,3 | 4004<br>3,7 1,4 | 4004<br>3,7 1,4 | 4004<br>3,7 1,3 | 4005<br>5,5 1,4 | 5004<br>5,5 1,8 | 5004<br>7,5 2,2 | 6503<br>11 1,8 | 6503<br>11 2 | 6503<br>11 2,2 | 6503<br>15 2,5 | 8002<br>15 2 | 8002<br>15 2,2 | 8002<br>18,5 3,0 | 40 |
| 35 | 4003<br>2,2 1,2 | 4003<br>2,2 1,3 | 4003<br>3,7 1,4 | 4004<br>3,7 1,4 | 4004<br>3,7 1,4 | 4004<br>3,7 1,4 | 5003<br>5,5 1,8 | 5004<br>5,5 2,2 | 6502<br>7,5 1,8 | 6503<br>7,5 2 | 6503<br>11 2,2 | 6503<br>11 2,5 | 8002<br>11 2 | 8002<br>15 2,2 | 8002<br>18,5 3,0 | 35 |
| 30 | 4003<br>1,5 1,2 | 4003<br>2,2 1,3 | 4003<br>2,2 1,4 | 4003<br>2,2 1,4 | 4003<br>3,7 1,3 | 4004<br>3,7 1,4 | 5003<br>5,5 1,8 | 5003<br>5,5 2,2 | 6502<br>7,5 1,8 | 6502<br>7,5 2 | 6502<br>7,5 2,2 | 6503<br>11 2,5 | 8002<br>11 2 | 8002<br>15 2,2 | 8002<br>15 3,0 | 30 |
| 25 | 4002<br>1,5 1,2 | 4003<br>1,5 1,3 | 4003<br>2,2 1,5 | 4003<br>2,2 1,4 | 4003<br>2,2 1,3 | 4003<br>3,7 1,4 | 5002<br>3,7 1,8 | 5003<br>5,5 2,2 | 6502<br>5,5 1,8 | 6502<br>5,5 2 | 6502<br>7,5 2,2 | 6502<br>7,5 2,5 | 8002<br>11 2 | 8002<br>11 2,2 | 8002<br>15 3,0 | 25 |
| 20 | 4002<br>1,5 1,2 | 4002<br>1,5 1,3 | 4002<br>1,5 1,4 | 4002<br>2,2 1,4 | 4002<br>2,2 1,3 | 4002<br>2,2 1,4 | 5002<br>3,7 1,8 | 5002<br>5,5 2,2 | 6502<br>5,5 1,8 | 6502<br>5,5 2 | 6502<br>7,5 2,2 | 6502<br>7,5 2,5 | | | | 20 |
| 15 | 4002<br>1,5 1,2 | 4002<br>1,5 1,3 | 4002<br>1,5 1,4 | 4002<br>1,5 1,4 | 4002<br>1,5 1,3 | 4002<br>2,2 1,4 | 5002<br>2,2 1,8 | 5002<br>3,7 2,2 | | | | | | | | 15 |
| H \ Q | 4,8 | 6 | 9 | 12 | 15 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 72 | 84 | Q \ H |

* H in m, Q in m³/h

* 4002 / 1.5 1.2 means Pump Model / Motor Rating(kW), NPSHre(m)



Ring Section Pump

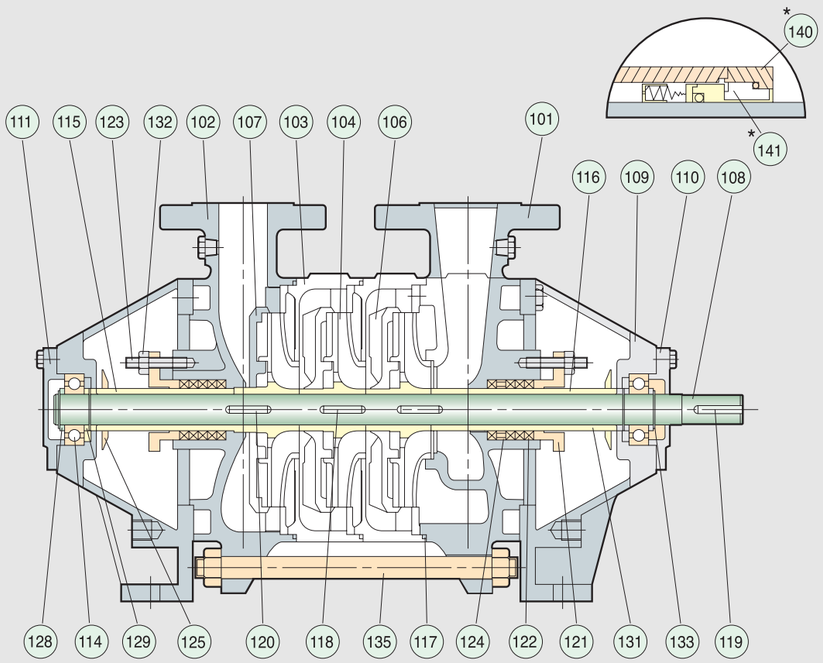
Multi-Stage Pumps

Selection Table

1750RPM (60Hz, 4P)

| H \ Q | 96 | 108 | 120 | 132 | 144 | 156 | 168 | 180 | 210 | 240 | 270 | 300 | 330 | 360 | 420 | Q \ H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 230 | | | | | | | | | | | | | | | | 230 |
| 220 | | | 1205<br>160 3,2 | 1205<br>160 3,0 | | | | | | 1503<br>300 3,8 | | | | | | 220 |
| 200 | | | 1205<br>160 3,2 | 1205<br>160 3,0 | 1205<br>160 3,0 | 1205<br>160 3,0 | 1205<br>200 3,0 | 1205<br>200 3,0 | | 1503<br>220 3,8 | 1503<br>300 4,5 | 1503<br>300 4,8 | | | | 200 |
| 180 | 1006<br>90 2,6 | 1006<br>90 3,0 | 1205<br>160 3,2 | 1205<br>160 3,0 | 1205<br>160 3,0 | 1205<br>160 3,0 | 1205<br>160 3,0 | 1205<br>200 3,0 | 1205<br>200 3,0 | 1503<br>220 3,8 | 1503<br>220 4,5 | 1503<br>300 4,8 | 1503<br>300 4,8 | 1503<br>300 5,5 | | 180 |
| 160 | 1005<br>75 2,6 | 1006<br>90 3,0 | 1006<br>110 3,2 | 1204<br>110 3,0 | 1204<br>160 3,0 | 1204<br>160 3,0 | 1204<br>160 3,0 | 1205<br>160 3,0 | 1205<br>200 3,0 | 1503<br>200 3,8 | 1503<br>220 4,5 | 1503<br>300 4,8 | 1503<br>300 4,8 | 1503<br>300 5,5 | 1503<br>300 6,0 | 160 |
| 150 | 1005<br>75 2,6 | 1005<br>75 3,0 | 1006<br>90 3,2 | 1204<br>110 3,0 | 1204<br>110 3,0 | 1204<br>160 3,0 | 1204<br>160 3,0 | 1204<br>160 3,0 | 1205<br>200 3,0 | 1205<br>200 3,0 | 1503<br>200 4,5 | 1503<br>220 4,8 | 1503<br>300 4,8 | 1503<br>300 5,5 | 1503<br>300 6,0 | 150 |
| 145 | 1005<br>75 2,6 | 1005<br>75 3,0 | 1005<br>90 3,6 | 1006<br>110 3,2 | 1204<br>110 3,0 | 1204<br>110 3,0 | 1204<br>160 3,0 | 1204<br>160 3,0 | 1205<br>200 3,0 | 1205<br>200 3,0 | 1503<br>200 4,5 | 1503<br>220 4,8 | 1503<br>300 4,8 | 1503<br>300 5,5 | 1503<br>300 6,0 | 145 |
| 140 | 1005<br>75 2,6 | 1005<br>75 3,0 | 1005<br>90 3,6 | 1006<br>110 3,2 | 1204<br>110 3,0 | 1204<br>110 3,0 | 1204<br>160 3,0 | 1204<br>160 3,0 | 1204<br>160 3,0 | 1205<br>200 3,0 | 1502<br>200 4,5 | 1503<br>200 4,8 | 1503<br>220 4,8 | 1503<br>300 5,5 | 1503<br>300 6,0 | 140 |
| 135 | 1005<br>75 2,6 | 1005<br>75 3,0 | 1005<br>90 3,6 | 1006<br>110 3,2 | 1204<br>110 3,0 | 1204<br>110 3,0 | 1204<br>110 3,0 | 1204<br>160 3,0 | 1204<br>160 3,0 | 1205<br>200 3,0 | 1502<br>200 4,5 | 1502<br>200 4,8 | 1503<br>220 4,8 | 1503<br>300 5,5 | 1503<br>300 6,0 | 135 |
| 130 | 1004<br>75 2,6 | 1005<br>75 3,0 | 1005<br>90 3,6 | 1006<br>110 3,2 | 1203<br>110 3,0 | 1204<br>110 3,0 | 1204<br>110 3,0 | 1204<br>160 3,0 | 1204<br>160 3,0 | 1205<br>200 3,0 | 1502<br>200 4,5 | 1502<br>200 4,8 | 1502<br>200 5,1 | 1503<br>220 5,5 | 1503<br>300 6,0 | 130 |
| 125 | 1004<br>75 2,6 | 1005<br>75 3,0 | 1005<br>75 3,6 | 1005<br>90 3,6 | 1203<br>110 3,0 | 1203<br>110 3,0 | 1203<br>110 3,0 | 1204<br>110 3,0 | 1204<br>160 3,0 | 1205<br>200 3,0 | 1502<br>200 4,5 | 1502<br>200 4,8 | 1502<br>200 5,1 | 1502<br>220 5,5 | 1503<br>300 6,0 | 125 |
| 120 | 1005<br>55 2,6 | 1004<br>75 3,0 | 1005<br>75 3,6 | 1005<br>90 3,6 | 1203<br>90 3,0 | 1203<br>110 3,0 | 1203<br>110 3,0 | 1203<br>110 3,0 | 1204<br>160 3,0 | 1205<br>200 3,0 | 1502<br>160 4,5 | 1502<br>200 4,8 | 1502<br>200 5,1 | 1502<br>200 5,5 | 1503<br>300 6,0 | 120 |
| 115 | 1004<br>55 2,6 | 1004<br>55 3,0 | 1005<br>75 3,6 | 1005<br>90 3,6 | 1203<br>90 3,0 | 1203<br>90 3,0 | 1203<br>110 3,0 | 1203<br>110 3,0 | 1204<br>160 3,0 | 1205<br>200 3,0 | 1502<br>160 4,5 | 1502<br>160 4,8 | 1502<br>200 5,1 | 1502<br>200 5,5 | 1503<br>300 6,0 | 115 |
| 110 | 1004<br>55 2,6 | 1004<br>55 3,0 | 1004<br>75 3,6 | 1005<br>75 3,6 | 1203<br>90 3,0 | 1203<br>90 3,0 | 1203<br>90 3,0 | 1203<br>110 3,0 | 1203<br>110 3,5 | 1204<br>160 4,0 | 1502<br>160 4,5 | 1502<br>160 4,8 | 1502<br>200 5,1 | 1502<br>200 5,5 | 1503<br>300 6,0 | 110 |
| 105 | 1004<br>55 2,6 | 1004<br>55 3,0 | 1004<br>75 3,2 | 1005<br>75 3,6 | 1203<br>75 3,0 | 1203<br>90 3,0 | 1203<br>90 3,0 | 1203<br>90 3,0 | 1203<br>110 3,5 | 1204<br>160 4,0 | 1502<br>160 4,5 | 1502<br>160 4,8 | 1502<br>160 5,1 | 1502<br>200 5,5 | 1502<br>220 6,0 | 105 |
| 100 | 1004<br>45 2,6 | 1004<br>55 3,0 | 1004<br>55 3,2 | 1004<br>75 3,6 | 1203<br>75 3,0 | 1203<br>75 3,0 | 1203<br>90 3,0 | 1203<br>90 3,0 | 1203<br>110 3,5 | 1204<br>160 4,0 | 1502<br>160 4,5 | 1502<br>160 4,8 | 1502<br>160 5,1 | 1502<br>200 5,5 | 1502<br>220 6,0 | 100 |
| 95 | 1003<br>45 2,6 | 1004<br>55 3,0 | 1004<br>55 3,2 | 1004<br>75 3,6 | 1203<br>75 3,0 | 1203<br>75 3,0 | 1203<br>90 3,0 | 1203<br>90 3,0 | 1203<br>110 3,5 | 1204<br>160 4,0 | 1502<br>160 4,5 | 1502<br>160 4,8 | 1502<br>160 5,1 | 1502<br>160 5,5 | 1502<br>220 6,0 | 95 |
| 90 | 1003<br>45 2,6 | 1003<br>45 3,0 | 1004<br>55 3,2 | 1004<br>75 3,6 | 1203<br>75 3,0 | 1203<br>75 3,0 | 1203<br>75 3,0 | 1203<br>75 3,0 | 1203<br>110 3,5 | 1203<br>110 4,0 | 1502<br>110 4,5 | 1502<br>160 4,8 | 1502<br>160 5,1 | 1502<br>160 5,5 | 1502<br>200 6,0 | 90 |
| 85 | 1003<br>45 2,6 | 1003<br>45 3,0 | 1003<br>45 3,2 | 1004<br>55 3,6 | 1202<br>75 3,0 | 1203<br>75 3,0 | 1203<br>75 3,0 | 1203<br>75 3,0 | 1203<br>90 3,5 | 1203<br>110 4,0 | 1502<br>110 4,5 | 1502<br>110 4,8 | 1502<br>160 5,1 | 1502<br>160 5,5 | 1502<br>200 6,0 | 85 |
| 80 | 1003<br>37 2,6 | 1003<br>45 3,0 | 1003<br>45 3,2 | 1004<br>55 3,6 | 1202<br>55 3,0 | 1202<br>75 3,0 | 1202<br>75 3,5 | 1203<br>75 3,0 | 1203<br>90 3,5 | 1203<br>110 4,0 | 1502<br>110 4,5 | 1502<br>110 4,8 | 1502<br>160 5,1 | 1502<br>160 5,5 | 1502<br>200 6,0 | 80 |
| 75 | 1003<br>37 2,6 | 1003<br>45 3,0 | 1003<br>45 3,2 | 1004<br>55 3,6 | 1202<br>55 3,0 | 1202<br>75 3,0 | 1202<br>75 3,5 | 1202<br>75 3,5 | 1203<br>90 3,5 | 1203<br>110 4,0 | 1502<br>110 4,5 | 1502<br>110 4,8 | 1502<br>160 5,1 | 1502<br>160 5,5 | 1502<br>200 6,0 | 75 |
| 70 | 1003<br>37 2,6 | 1003<br>37 3,0 | 1003<br>45 3,2 | 1003<br>55 3,6 | 1202<br>55 3,0 | 1202<br>55 3,0 | 1202<br>75 3,5 | 1202<br>75 3,5 | 1202<br>75 4,0 | 1203<br>110 4,0 | 1502<br>110 4,5 | 1502<br>110 4,8 | 1502<br>110 5,1 | 1502<br>160 5,5 | 1502<br>160 6,0 | 70 |
| 65 | 1003<br>30 2,6 | 1003<br>37 3,0 | 1003<br>45 3,2 | 1003<br>55 3,6 | 1202<br>55 3,0 | 1202<br>55 3,5 | 1202<br>55 3,5 | 1202<br>75 3,5 | 1202<br>75 4,0 | 1203<br>110 4,0 | 1502<br>110 4,5 | 1502<br>110 4,8 | 1502<br>110 5,1 | 1502<br>110 5,5 | 1502<br>160 6,0 | 65 |
| 60 | 1002<br>30 2,6 | 1002<br>30 3,0 | 1003<br>37 3,2 | 1003<br>45 3,6 | 1202<br>45 3,0 | 1202<br>45 3,5 | 1202<br>55 3,5 | 1202<br>75 4,0 | 1202<br>75 4,0 | 1202<br>75 4,5 | 1502<br>75 4,5 | 1502<br>110 4,8 | 1502<br>110 5,1 | 1502<br>110 5,5 | | 60 |
| 55 | 1002<br>30 2,6 | 1002<br>30 3,0 | 1002<br>30 3,2 | 1003<br>37 3,6 | | | 1202<br>55 3,5 | 1202<br>55 4,0 | 1202<br>75 4,0 | 1202<br>75 4,5 | 1502<br>75 4,5 | 1502<br>75 4,8 | 1502<br>110 5,1 | 1502<br>110 5,5 | | 55 |
| 50 | 1002<br>30 2,6 | 1002<br>30 3,0 | 1002<br>30 3,2 | 1003<br>37 3,6 | | | | 1202<br>55 4,0 | 1202<br>55 4,0 | 1202<br>75 4,5 | | | 1502<br>110 5,1 | 1502<br>110 5,5 | | 50 |
| 45 | | 1002<br>30 3,0 | 1002<br>30 3,2 | 1002<br>37 3,6 | | | | | 1202<br>55 4,0 | 1202<br>75 4,5 | | | | | | 45 |
| 40 | | | 1002<br>30 3,2 | 1002<br>30 3,6 | | | | | | | | | | | | 40 |
| 35 | | | | 1002<br>30 3,6 | | | | | | | | | | | | 35 |
| 30 | | | | | | | | | | | | | | | | 30 |
| 25 | | | | | | | | | | | | | | | | 25 |
| 20 | | | | | | | | | | | | | | | | 20 |
| 15 | | | | | | | | | | | | | | | | 15 |
| H \ Q | 96 | 108 | 120 | 132 | 144 | 156 | 168 | 180 | 210 | 240 | 270 | 300 | 330 | 360 | 420 | Q \ H |

## Sectional drawing - PMT Series




*Option parts

S means No. of stage

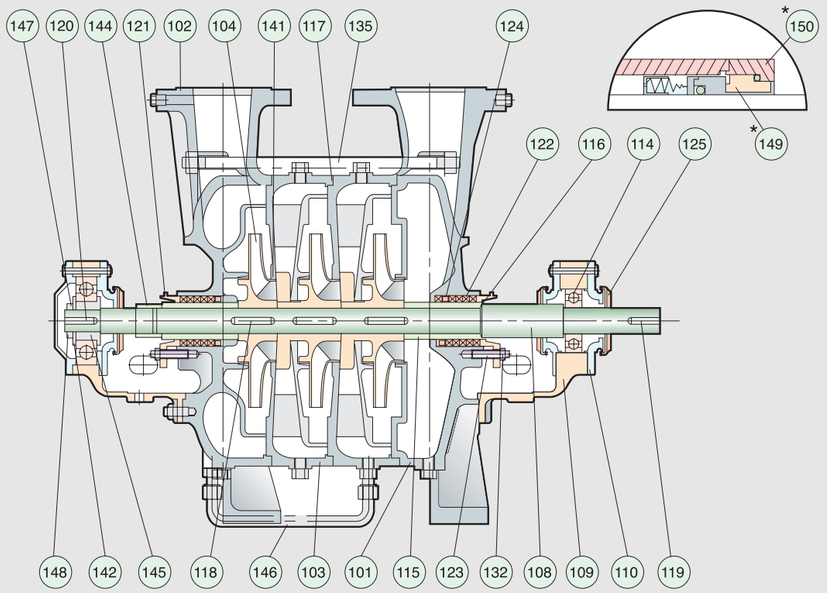
| No. | Parts | Material | QTY |
|---|---|---|---|
| 101 | SUCTION CASING | GC250 | 1 |
| 102 | DISCHARGE CASING | GC250 | 1 |
| 103 | MIDDLE CASING | GC250 | S-1 |
| 104 | IMPELLER | GC200 | S |
| 106 | GUIDE VANE(A) | GC200 | S-1 |
| 107 | GUIDE VANE(B) | GC200 | 1 |
| 108 | SHAFT | SM45C | 1 |
| 109 | BEARING HOUSING | GC200 | 2 |
| 110 | BEARING COVER(A) | GC200 | 1 |
| 111 | BEARING COVER(B) | GC200 | 1 |
| 114 | BALL BEARING | STB2 | 2 |
| 115 | SLEEVE | STS304 | 2 |
| 116 | SLEEVE O-RING | NBR | 2 |
| 117 | CASING O-RING | NBR | S |
| 118 | IMPELLER KEY | SM45C | S-2 |

| No. | Parts | Material | QTY |
|---|---|---|---|
| 119 | COUPLING KEY | SM45C | 1 |
| 120 | SLEEVE KEY | SM45C | 2 |
| 121 | GLAND | GC200 | 2 |
| 122 | GLAND PACKING | TEFLON | 8 |
| 123 | GLAND BOLT | STS304 | 4 |
| 124 | LANTERN RING | BC6 | 1 |
| 125 | DEFLECTOR | NR610 | 2 |
| 128 | GUIDE RING | STS304 | 4 |
| 129 | DISTANCE RING | STS304 | 1 |
| 131 | ADJUSTABLE SPACER | STS304 | 1 |
| 132 | HEX NUT | C3602BD | 4 |
| 133 | STOP RING | SK5 | 4 |
| 135 | TIE BOLT | SM20C | 4 |
| *140 | M/SEAL COVER | SM45C | 2 |
| *141 | MECHANICAL SEAL | | 2 |





## Sectional drawing - PMV Series



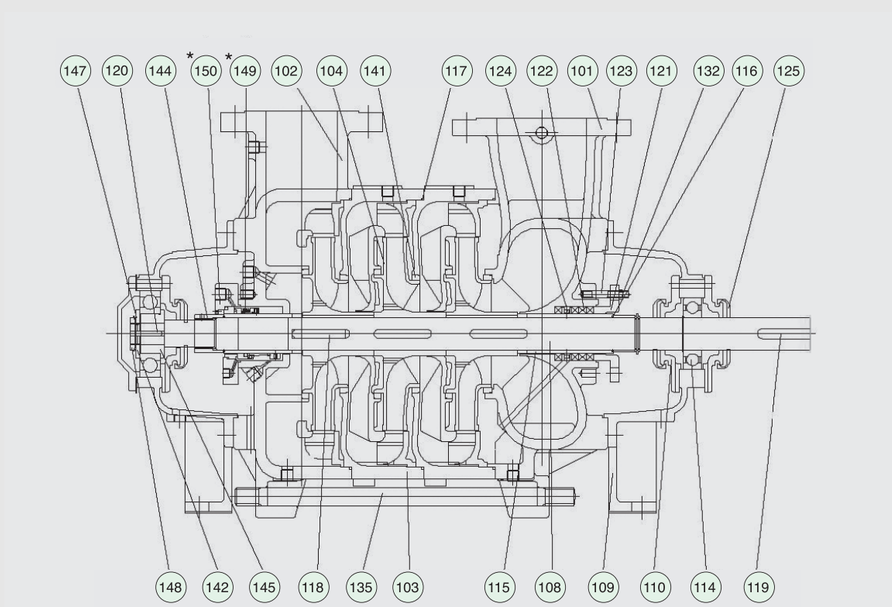

*Option parts

S means No. of stage

| No. | Parts | Material | QTY |
|---|---|---|---|
| 101 | SUCTION CASING | GC200 | 1 |
| 102 | DISCHARGE CASING | GC200 | 1 |
| 103 | MIDDLE CASING | GC200 | S-1 |
| 104 | IMPELLER | GC200 | S |
| 108 | SHAFT | SM45C | 1 |
| 109 | BEARING HOUSING | GC200 | 2 |
| 110 | BEARING COVER | GC200 | 4 |
| 114 | BALL BEARING | STB2 | 2 |
| 115 | SLEEVE | STS304 | 2 |
| 116 | SLEEVE O-RING | NBR | 1 |
| 117 | CASING O-RING | NBR | S |
| 118 | IMPELLER KEY | SM45C | S |
| 119 | COUPLING KEY | SM45C | 1 |
| 120 | ADAPTER KEY | SM45C | 1 |
| 121 | GLAND | GC200 | 2 |

| No. | Parts | Material | QTY |
|---|---|---|---|
| 122 | GLAND PACKING | TEFOLN | 8 |
| 123 | GLAND BOLT | STS304 | 4 |
| 124 | LANTERN RING | BC6 | 2 |
| 125 | DEFLECTOR | NBR | 3 |
| 132 | HEX NUT | C3602BD | 4 |
| 135 | TIE BOLT | SM45C | 8 |
| 141 | CASING RING | BC6 | 2+(S-1) × 2 |
| 142 | GREASE COLLAR | SS400 | 1 |
| 144 | SHAFT NUT | BC6 | 1 |
| 145 | ADAPTER | SM45C | 1 |
| 146 | REDUCING PIPE | C1100T | 1 |
| 147 | LOCK WASHER | SS400 | 1 |
| 148 | LOCK NUT | SM30C | 1 |
| *149 | MECHANICAL SEAL | | 2 |
| *150 | M/SEAL COVER | SM45C | 2 |

## Sectional drawing - PMT 10 Series




*Option parts

S means No. of stage

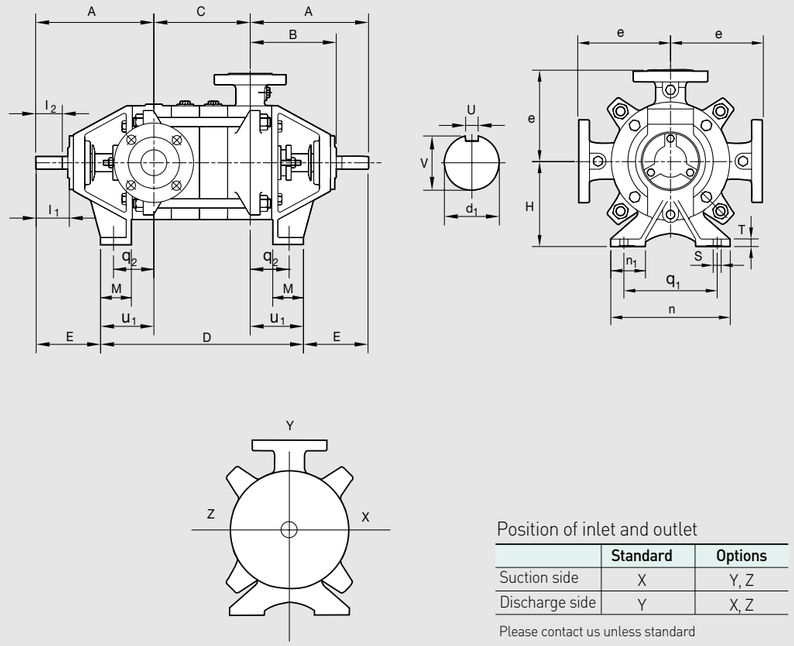
| No. | Parts | Material | QTY |
|---|---|---|---|
| 101 | SUCTION CASING | GC200 | 1 |
| 102 | DISCHARGE CASING | GC200 | 1 |
| 103 | MIDDLE CASING | GC200 | S-1 |
| 104 | IMPELLER | GC200 | S |
| 108 | SHAFT | SM45C | 1 |
| 109 | BEARING HOUSING | GC200 | 2 |
| 110 | BEARING COVER | GC200 | 4 |
| 114 | BALL BEARING | STB2 | 2 |
| 115 | SLEEVE | STS304 | 2 |
| 116 | SLEEVE O-RING | NBR | 1 |
| 117 | CASING O-RING) | NBR | S |
| 118 | IMPELLER KEY | SM45C | S |
| 119 | COUPLING KEY | SM45C | 1 |
| 120 | ADAPTER KEY | SM45C | 1 |
| 121 | GLAND | GC200 | 2 |

| No. | Parts | Material | QTY |
|---|---|---|---|
| 122 | GLAND PACKING | TEFOLN | 8 |
| 123 | GLAND BOLT | STS304 | 4 |
| 124 | LANTERN RING | HBsC1 | 2 |
| 125 | DEFLECTOR | NBR | 3 |
| 132 | HEX NUT | C3602BD | 4 |
| 135 | TIE BOLT | SM45C | 8 |
| 141 | CASING RING | HBsC1 | 2+(S-1)＊2 |
| 142 | GREASE COLLAR | SM20C | 1 |
| 144 | SHAFT NUT | BrC3 | 1 |
| 145 | ADAPTER | SM20C | 1 |
| 147 | LOCK WASHER | SS400 | 1 |
| 148 | LOCK NUT | SM30C | 1 |
| ＊149 | MECHANICAL SEAL | | 2 |
| ＊150 | M/SEAL COVER | SM45C | 2 |





## Outline dimensions - Bare Shaft




※ View from coupling side

Position of inlet and outlet

| | Standard | Options |
|---|---|---|
| Suction side | X | Y, Z |
| Discharge side | Y | X, Z |

Please contact us unless standard

| MODEL | PUMP TYPE(mm) | | | | | | | | | | | | | | SHAFT(mm) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | e | H | M | n | $n_1$ | $q_1$ | $q_2$ | S | T | $u_1$ | $d_1$ | $l_1$ | $l_2$ | V | U |
| PMT-40 | 231 | 168 | 78+55(S-1) | 286+55(S-1) | 127 | 174 | 160 | 60 | 224 | 65 | 175 | 79 | 15 | 14 | 104 | 24 | 63 | 52 | 27 | 8 |
| PMT-50 | 240 | 180 | 89+62(S-1) | 313+62(S-1) | 128 | 190 | 160 | 60 | 250 | 65 | 200 | 87 | 15 | 16 | 112 | 29 | 60 | 52 | 32 | 8 |
| PMT-65 | 257 | 195 | 109+71(S-1) | 345+71(S-1) | 139 | 215 | 180 | 60 | 290 | 75 | 240 | 93 | 15 | 16 | 118 | 34 | 62 | 52 | 37 | 10 |

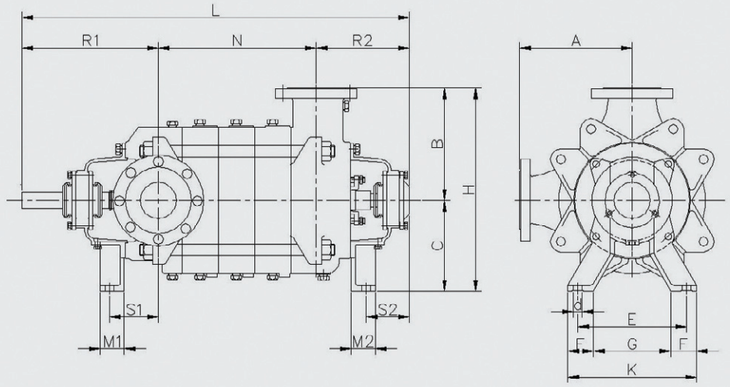
## Variable dimension on number of stage

| MODEL | Bore | | Dimension C on number of stage(mm) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | inlet | outlet | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| PMT-40 | 50 | 40 | 78 | 133 | 188 | 243 | 298 | 353 | 408 | 463 | 518 | 573 | 628 | 683 |
| PMT-50 | 65 | 50 | 89 | 151 | 213 | 275 | 337 | 399 | 461 | 523 | 585 | | | |
| PMT-65 | 80 | 65 | 109 | 180 | 251 | 322 | 393 | 464 | 535 | | | | | |

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## Outline dimensions - Bare Shaft

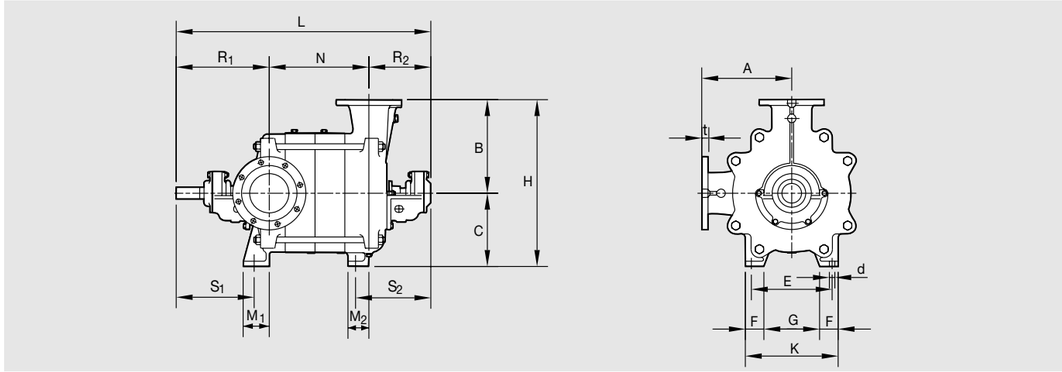



| MODEL | Bore | | PUMP SIZE(mm) | | | | | | | | | | | | | | | | WEIGHT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | inlet | outlet | R1 | N | R2 | L | B | C | H | M1 | M2 | S1 | S2 | A | E | F | G | K | d | (kg) |
| PMT-1002 | 125 | 100 | 376 | 235 | 257 | 868 | 310 | 250 | 560 | 66 | 66 | 140 | 114 | 300 | 300 | 71 | 213 | 355 | 24 | 180 |
| PMT-1003 | | | 376 | 335 | 257 | 968 | 310 | 250 | 560 | 66 | 66 | 140 | 114 | 300 | 300 | 71 | 213 | 355 | 24 | 230 |
| PMT-1004 | | | 376 | 435 | 257 | 1068 | 310 | 250 | 560 | 66 | 66 | 140 | 114 | 300 | 300 | 71 | 213 | 355 | 24 | 280 |
| PMT-1005 | | | 376 | 535 | 257 | 1168 | 310 | 250 | 560 | 66 | 66 | 140 | 114 | 300 | 300 | 71 | 213 | 355 | 24 | 330 |
| PMT-1006 | | | 376 | 635 | 257 | 1268 | 310 | 250 | 560 | 66 | 66 | 140 | 114 | 300 | 300 | 71 | 213 | 355 | 24 | 380 |
| PMT-1007 | | | 376 | 735 | 257 | 1368 | 310 | 250 | 560 | 66 | 66 | 140 | 114 | 300 | 300 | 71 | 213 | 355 | 24 | 430 |
| PMT-1008 | | | 376 | 835 | 257 | 1468 | 310 | 250 | 560 | 66 | 66 | 140 | 114 | 300 | 300 | 71 | 213 | 355 | 24 | 480 |



Ring Section Pump
Multi-Stage Pumps
Outline Drawing & Dimension

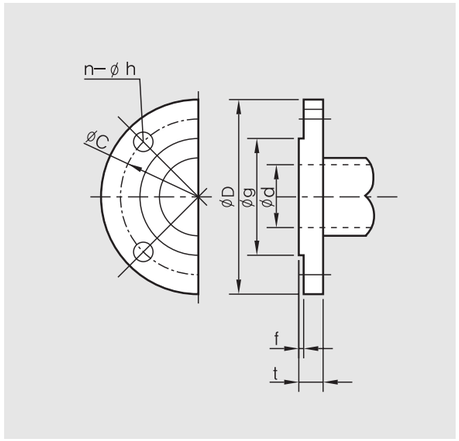
## Outline dimensions - Bare Shaft




| MODEL | Bore | | PUMP SIZE(mm) | | | | | | | | | | | | | | | | | WEIGHT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | inlet | outlet | R1 | N | R2 | L | B | C | H | M1 | M2 | S1 | S2 | t | A | E | F | G | K | d | (kg) |
| PMV-8002 | 100 | 80 | 319 | 197 | 232 | 743 | 320 | 280 | 600 | 80 | | 264 | 287 | 24 | 270 | 300 | 71 | 213 | 355 | 24 | 140 |
| PMV-8003 | 100 | 80 | 319 | 284 | 232 | 835 | 320 | 280 | 600 | 80 | | 264 | 287 | 24 | 270 | 300 | 71 | 213 | 355 | 24 | 190 |
| PMV-8004 | 100 | 80 | 328 | 371 | 232 | 931 | 320 | 280 | 600 | 80 | | 273 | 287 | 24 | 270 | 300 | 71 | 213 | 355 | 24 | 240 |
| PMV-8005 | 100 | 80 | 328 | 458 | 232 | 1018 | 320 | 280 | 600 | 80 | | 273 | 287 | 24 | 270 | 300 | 71 | 213 | 355 | 24 | 290 |
| PMV-8006 | 100 | 80 | 328 | 545 | 232 | 1105 | 320 | 280 | 600 | 80 | | 273 | 287 | 24 | 270 | 300 | 71 | 213 | 355 | 24 | 340 |
| PMV-1002 | 125 | 100 | 314 | 220 | 232 | 766 | 355 | 280 | 635 | 80 | | 259 | 287 | 24 | 330 | 300 | 71 | 213 | 355 | 24 | 160 |
| PMV-1003 | 125 | 100 | 322 | 314 | 232 | 868 | 355 | 280 | 635 | 80 | | 267 | 287 | 24 | 330 | 300 | 71 | 213 | 355 | 24 | 220 |
| PMV-1004 | 125 | 100 | 341 | 408 | 232 | 981 | 355 | 280 | 635 | 80 | | 286 | 287 | 24 | 330 | 300 | 71 | 213 | 355 | 24 | 280 |
| PMV-1005 | 125 | 100 | 341 | 502 | 232 | 1085 | 355 | 280 | 635 | 80 | | 296 | 287 | 24 | 330 | 300 | 71 | 213 | 355 | 24 | 340 |
| PMV-1006 | 125 | 100 | 351 | 596 | 232 | 1179 | 355 | 280 | 635 | 80 | | 296 | 287 | 24 | 330 | 300 | 71 | 213 | 355 | 24 | 400 |
| PMV-1202 | 150 | 125 | 356 | 267 | 241 | 864 | 360 | 280 | 640 | 100 | 80 | 281 | 296 | 26 | 340 | 300 | 71 | 213 | 355 | 24 | 280 |
| PMV-1203 | 150 | 125 | 356 | 381 | 241 | 978 | 360 | 280 | 640 | 100 | 80 | 281 | 296 | 26 | 340 | 300 | 71 | 213 | 355 | 24 | 360 |
| PMV-1204 | 150 | 125 | 356 | 495 | 241 | 1092 | 360 | 280 | 640 | 100 | 80 | 281 | 296 | 26 | 340 | 300 | 71 | 213 | 355 | 24 | 440 |
| PMV-1205 | 150 | 125 | 386 | 609 | 261 | 1256 | 360 | 280 | 640 | 100 | 80 | 311 | 316 | 26 | 340 | 300 | 71 | 213 | 355 | 24 | 520 |
| PMT-1202 | 150 | 125 | 391 | 283 | 272 | 946 | 375 | 310 | 685 | 100 | 90 | 306 | 337 | 26 | 375 | 380 | 95 | 270 | 460 | 24 | 290 |
| PMT-1203 | 150 | 125 | 391 | 398 | 272 | 1061 | 375 | 310 | 685 | 100 | 90 | 306 | 337 | 26 | 375 | 380 | 95 | 270 | 460 | 24 | 375 |
| PMT-1204 | 150 | 125 | 391 | 513 | 272 | 1176 | 375 | 310 | 685 | 100 | 90 | 306 | 337 | 26 | 375 | 380 | 95 | 270 | 460 | 24 | 460 |
| PMV-1502 | 200 | 150 | 431 | 350 | 297 | 1078 | 425 | 375 | 800 | 120 | 120 | 361 | 367 | 26 | 425 | 400 | 100 | 300 | 500 | 24 | 480 |
| PMV-1503 | 200 | 150 | 431 | 495 | 297 | 1223 | 425 | 375 | 800 | 120 | 120 | 361 | 367 | 26 | 425 | 400 | 100 | 300 | 500 | 24 | 620 |

## KS FLANGE dimension

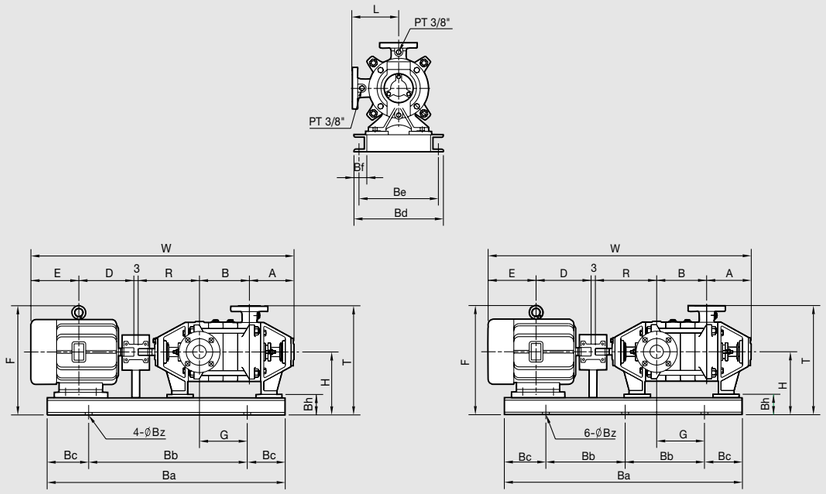
(unit : mm)




| Classification | Bore(d) | ø D | t | f | ø g | ø C | n | ø h | Bolt |
|---|---|---|---|---|---|---|---|---|---|
| 10kgf/cm² (inlet flange) | 32 | 135 | 20 | 2 | 76 | 100 | 4 | 19 | M16 |
| | 40 | 140 | 20 | 2 | 81 | 105 | 4 | 19 | M16 |
| | 50 | 155 | 20 | 2 | 96 | 120 | 4 | 19 | M16 |
| | 65 | 175 | 22 | 2 | 120 | 140 | 4 | 19 | M16 |
| | 80 | 185 | 22 | 2 | 130 | 150 | 8 | 19 | M16 |
| | 100 | 210 | 24 | 2 | 151 | 175 | 8 | 19 | M16 |
| | 125 | 250 | 24 | 2 | 182 | 210 | 8 | 23 | M20 |
| | 150 | 280 | 26 | 2 | 212 | 240 | 8 | 23 | M20 |
| | 200 | 330 | 26 | 2 | 262 | 290 | 12 | 23 | M20 |
| | 225 | 350 | 28 | 2 | 282 | 310 | 12 | 23 | M20 |
| | 250 | 400 | 30 | 2 | 324 | 355 | 12 | 25 | M22 |
| 20kgf/cm² (outlet flange) | 32 | 135 | 20 | 2 | 76 | 100 | 4 | 19 | M16 |
| | 40 | 140 | 22 | 2 | 81 | 105 | 4 | 19 | M16 |
| | 50 | 155 | 22 | 2 | 96 | 120 | 8 | 19 | M16 |
| | 65 | 175 | 24 | 2 | 116 | 140 | 8 | 19 | M16 |
| | 80 | 200 | 26 | 2 | 135 | 160 | 8 | 23 | M20 |
| | 100 | 225 | 28 | 2 | 160 | 185 | 8 | 23 | M20 |
| | 125 | 270 | 30 | 2 | 195 | 225 | 8 | 25 | M22 |
| | 150 | 305 | 32 | 2 | 230 | 260 | 12 | 25 | M22 |
| | 200 | 350 | 34 | 2 | 275 | 305 | 12 | 25 | M22 |
| | 250 | 430 | 38 | 2 | 345 | 380 | 12 | 27 | M24 |
| | 300 | 480 | 40 | 3 | 395 | 430 | 16 | 27 | M24 |

## Outline dimensions - Complete Pump

*Dimension will vary on motor manufacturer.




〈 FIG A 〉




〈 FIG B 〉

| MODEL | FIG | MOTOR (kW) | PUMP & MOTOR (mm) | | | | | | | | | | | BED ASM (mm) | | | | | | | | WEIGHT(kg) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | R | D | E | L | H | F | T | G | W | Ba | Bd | Bh | Bb | Bc | Be | Bf | Bz | P · B | P · B · M |
| PMT-4002 | A | 1,5 | 168 | 133 | 231 | 169 | 148 | 174 | 245 | 341 | 419 | 122,5 | 852 | 750 | 280 | 85 | 500 | 125 | 245 | 40 | 15 | 98 | 124 |
| | A | 2,2 | 168 | 133 | 231 | 193 | 165 | 174 | 245 | 387 | 419 | 97,5 | 893 | 800 | 280 | 85 | 500 | 150 | 245 | 40 | 15 | 100 | 135 |
| | A | 3,7 | 168 | 133 | 231 | 200 | 169 | 174 | 245 | 407 | 419 | 97,5 | 904 | 800 | 280 | 85 | 500 | 150 | 245 | 40 | 15 | 100 | 143 |
| PMT-4003 | A | 2,2 | 168 | 188 | 231 | 193 | 165 | 174 | 245 | 387 | 419 | 147,5 | 948 | 850 | 300 | 85 | 550 | 150 | 265 | 40 | 15 | 114 | 149 |
| | A | 3,7 | 168 | 188 | 231 | 200 | 169 | 174 | 245 | 407 | 419 | 147,5 | 959 | 850 | 300 | 85 | 550 | 150 | 265 | 40 | 15 | 114 | 157 |
| | A | 5,5 | 168 | 188 | 231 | 239 | 205 | 174 | 245 | 424 | 419 | 122,5 | 1034 | 900 | 300 | 85 | 550 | 175 | 265 | 40 | 15 | 116 | 182 |
| PMT-4004 | A | 3,7 | 168 | 243 | 231 | 200 | 169 | 174 | 245 | 407 | 419 | 180,5 | 1014 | 900 | 300 | 85 | 550 | 175 | 265 | 40 | 15 | 126 | 169 |
| | A | 5,5 | 168 | 243 | 231 | 239 | 205 | 174 | 245 | 424 | 419 | 155,5 | 1089 | 1000 | 300 | 85 | 600 | 200 | 265 | 40 | 15 | 129 | 195 |
| | A | 7,5 | 168 | 243 | 231 | 258 | 226 | 174 | 245 | 424 | 419 | 155,5 | 1129 | 1000 | 300 | 85 | 600 | 200 | 265 | 40 | 15 | 129 | 209 |
| PMT-4005 | A | 3,7 | 168 | 298 | 231 | 200 | 169 | 174 | 245 | 407 | 419 | 212 | 1069 | 1000 | 270 | 85 | 600 | 200 | 235 | 40 | 15 | 136 | 179 |
| | A | 5,5 | 168 | 298 | 231 | 239 | 205 | 174 | 245 | 424 | 419 | 185 | 1144 | 1050 | 300 | 85 | 600 | 225 | 265 | 40 | 15 | 141 | 207 |
| | A | 7,5 | 168 | 298 | 231 | 258 | 226 | 174 | 245 | 424 | 419 | 185 | 1184 | 1050 | 300 | 85 | 600 | 225 | 265 | 40 | 15 | 141 | 221 |
| PMT-4006 | A | 3,7 | 168 | 353 | 231 | 200 | 169 | 174 | 245 | 407 | 419 | 265 | 1124 | 1000 | 270 | 85 | 600 | 200 | 235 | 40 | 15 | 146 | 189 |
| | B | 5,5 | 168 | 353 | 231 | 239 | 205 | 174 | 245 | 424 | 419 | 315 | 1199 | 1100 | 300 | 85 | 400 | 150 | 265 | 40 | 15 | 153 | 219 |
| | B | 7,5 | 168 | 353 | 231 | 258 | 226 | 174 | 245 | 424 | 419 | 315 | 1239 | 1100 | 300 | 85 | 400 | 150 | 265 | 40 | 15 | 153 | 233 |
| PMT-4007 | B | 5,5 | 168 | 408 | 231 | 239 | 205 | 174 | 245 | 424 | 419 | 403 | 1254 | 1150 | 300 | 85 | 450 | 125 | 265 | 40 | 15 | 165 | 231 |
| | B | 7,5 | 168 | 408 | 231 | 258 | 226 | 174 | 245 | 424 | 419 | 403 | 1294 | 1150 | 300 | 85 | 450 | 125 | 265 | 40 | 15 | 165 | 245 |
| | B | 11 | 168 | 408 | 231 | 323 | 272 | 174 | 270 | 479 | 444 | 378 | 1405 | 1300 | 320 | 110 | 500 | 150 | 275 | 50 | 19 | 179 | 296 |
| | B | 15 | 168 | 408 | 231 | 345 | 294 | 174 | 270 | 479 | 444 | 378 | 1449 | 1300 | 320 | 110 | 500 | 150 | 275 | 50 | 19 | 179 | 318 |
| PMT-4008 | B | 5,5 | 168 | 463 | 231 | 239 | 205 | 174 | 245 | 424 | 419 | 425 | 1309 | 1200 | 280 | 85 | 450 | 150 | 245 | 40 | 15 | 174 | 240 |
| | B | 7,5 | 168 | 463 | 231 | 258 | 226 | 174 | 245 | 424 | 419 | 425 | 1349 | 1200 | 280 | 85 | 450 | 150 | 245 | 40 | 15 | 174 | 254 |
| | B | 11 | 168 | 463 | 231 | 323 | 272 | 174 | 270 | 479 | 444 | 465 | 1460 | 1350 | 320 | 110 | 550 | 125 | 275 | 50 | 19 | 191 | 308 |
| | B | 15 | 168 | 463 | 231 | 345 | 294 | 174 | 270 | 479 | 444 | 465 | 1504 | 1350 | 320 | 110 | 550 | 125 | 275 | 50 | 19 | 191 | 330 |

P·B : exc. Motor
P·B·M : inc. Motor



Ring Section Pump
Multi-Stage Pumps
Outline Drawing & Dimension

## Outline dimensions - Complete Pump

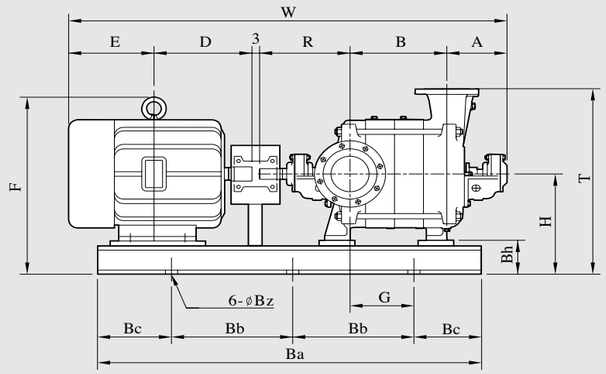
| MODEL | FIG | MOTOR (kW) | PUMP & MOTOR (mm) | | | | | | | | | | | BED ASM (mm) | | | | | | | | WEIGHT(kg) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | R | D | E | L | H | F | T | G | W | Ba | Bd | Bh | Bb | Bc | Be | Bf | Bz | P · B | P · B · M |
| PMT-4009 | B | 5.5 | 168 | 518 | 231 | 239 | 205 | 174 | 270 | 449 | 444 | 505 | 1364 | 1250 | 300 | 110 | 500 | 125 | 255 | 50 | 19 | 193 | 259 |
| | B | 7.5 | 168 | 518 | 231 | 258 | 226 | 174 | 270 | 449 | 444 | 505 | 1404 | 1250 | 300 | 110 | 500 | 125 | 255 | 50 | 19 | 193 | 273 |
| | B | 11 | 168 | 518 | 231 | 323 | 272 | 174 | 270 | 477 | 444 | 482 | 1515 | 1400 | 320 | 110 | 550 | 150 | 275 | 50 | 19 | 203 | 320 |
| | B | 15 | 168 | 518 | 231 | 345 | 294 | 174 | 270 | 477 | 444 | 482 | 1559 | 1400 | 320 | 110 | 550 | 150 | 275 | 50 | 19 | 203 | 342 |
| PMT-4010 | B | 7.5 | 168 | 573 | 231 | 258 | 226 | 174 | 270 | 449 | 444 | 535 | 1459 | 1300 | 300 | 110 | 500 | 150 | 255 | 50 | 19 | 205 | 285 |
| | B | 11 | 168 | 573 | 231 | 323 | 272 | 174 | 270 | 477 | 444 | 510 | 1570 | 1450 | 320 | 110 | 550 | 175 | 275 | 50 | 19 | 215 | 332 |
| | B | 15 | 168 | 573 | 231 | 345 | 294 | 174 | 270 | 477 | 444 | 510 | 1614 | 1450 | 320 | 110 | 550 | 175 | 275 | 50 | 19 | 215 | 354 |
| PMT-4011 | B | 7.5 | 168 | 628 | 231 | 258 | 226 | 174 | 270 | 449 | 444 | 615 | 1514 | 1350 | 300 | 110 | 550 | 125 | 255 | 50 | 19 | 217 | 297 |
| | B | 11 | 168 | 628 | 231 | 323 | 272 | 174 | 270 | 477 | 444 | 540 | 1625 | 1500 | 320 | 110 | 550 | 200 | 275 | 50 | 19 | 228 | 345 |
| | B | 15 | 168 | 628 | 231 | 345 | 294 | 174 | 270 | 477 | 444 | 540 | 1669 | 1500 | 320 | 110 | 550 | 200 | 275 | 50 | 19 | 228 | 367 |
| PMT-4012 | B | 7.5 | 168 | 683 | 231 | 288 | 226 | 174 | 270 | 449 | 444 | 645 | 1569 | 1400 | 300 | 110 | 550 | 150 | 255 | 50 | 19 | 229 | 309 |
| | B | 11 | 168 | 683 | 231 | 323 | 272 | 174 | 270 | 477 | 444 | 620 | 1680 | 1550 | 320 | 110 | 600 | 175 | 275 | 50 | 19 | 240 | 357 |
| | B | 15 | 168 | 683 | 231 | 345 | 294 | 174 | 270 | 477 | 444 | 620 | 1724 | 1550 | 320 | 110 | 600 | 175 | 275 | 50 | 19 | 240 | 379 |
| PMT-5002 | A | 3.7 | 180 | 151 | 240 | 200 | 169 | 190 | 245 | 407 | 435 | 138.5 | 943 | 850 | 300 | 85 | 550 | 150 | 265 | 40 | 15 | 134 | 177 |
| | A | 5.5 | 180 | 151 | 240 | 239 | 205 | 190 | 245 | 424 | 435 | 113.5 | 1018 | 900 | 300 | 85 | 550 | 175 | 265 | 40 | 15 | 136 | 202 |
| | A | 7.5 | 180 | 151 | 240 | 258 | 226 | 190 | 245 | 424 | 435 | 113.5 | 1058 | 900 | 300 | 85 | 550 | 175 | 265 | 40 | 15 | 136 | 216 |
| PMT-5003 | A | 3.7 | 180 | 213 | 240 | 200 | 169 | 190 | 245 | 407 | 435 | 171.5 | 1005 | 900 | 300 | 85 | 550 | 175 | 265 | 40 | 15 | 151 | 194 |
| | A | 5.5 | 180 | 213 | 240 | 239 | 205 | 190 | 245 | 424 | 435 | 146.5 | 1080 | 1000 | 300 | 85 | 600 | 200 | 265 | 40 | 15 | 154 | 220 |
| | A | 7.5 | 180 | 213 | 240 | 258 | 226 | 190 | 245 | 424 | 435 | 146.5 | 1120 | 1000 | 300 | 85 | 600 | 200 | 265 | 40 | 15 | 154 | 234 |
| PMT-5004 | A | 5.5 | 180 | 275 | 240 | 239 | 205 | 190 | 245 | 424 | 435 | 176 | 1142 | 1050 | 300 | 85 | 600 | 225 | 265 | 40 | 15 | 171 | 237 |
| | A | 7.5 | 180 | 275 | 240 | 258 | 226 | 190 | 245 | 424 | 435 | 176 | 1182 | 1050 | 300 | 85 | 600 | 225 | 265 | 40 | 15 | 171 | 251 |
| | A | 11 | 180 | 275 | 240 | 323 | 272 | 190 | 245 | 454 | 435 | 246 | 1293 | 1100 | 320 | 85 | 400 | 150 | 285 | 40 | 15 | 176 | 293 |
| PMT-5005 | B | 5.5 | 180 | 337 | 240 | 239 | 205 | 190 | 245 | 424 | 435 | 306 | 1204 | 1100 | 300 | 85 | 400 | 150 | 265 | 40 | 15 | 188 | 254 |
| | B | 7.5 | 180 | 337 | 240 | 258 | 226 | 190 | 245 | 424 | 435 | 306 | 1244 | 1100 | 300 | 85 | 400 | 150 | 265 | 40 | 15 | 188 | 268 |
| | B | 11 | 180 | 337 | 240 | 323 | 272 | 190 | 245 | 454 | 435 | 328 | 1355 | 1150 | 360 | 85 | 450 | 125 | 325 | 40 | 15 | 199 | 316 |
| | B | 15 | 180 | 337 | 240 | 345 | 294 | 190 | 245 | 454 | 435 | 304 | 1399 | 1200 | 320 | 85 | 450 | 150 | 285 | 40 | 15 | 195 | 334 |
| PMT-5006 | B | 5.5 | 180 | 399 | 240 | 239 | 205 | 190 | 245 | 424 | 435 | 394 | 1266 | 1150 | 300 | 85 | 450 | 125 | 265 | 40 | 15 | 205 | 271 |
| | B | 7.5 | 180 | 399 | 240 | 258 | 226 | 190 | 245 | 424 | 435 | 394 | 1305 | 1150 | 300 | 85 | 450 | 125 | 265 | 40 | 15 | 205 | 285 |
| | B | 11 | 180 | 399 | 240 | 323 | 272 | 190 | 270 | 477 | 460 | 367 | 1417 | 1300 | 320 | 110 | 500 | 150 | 275 | 50 | 19 | 219 | 336 |
| | B | 15 | 180 | 399 | 240 | 345 | 294 | 190 | 270 | 477 | 460 | 367 | 1461 | 1300 | 320 | 110 | 500 | 150 | 275 | 50 | 19 | 219 | 358 |
| PMT-5007 | B | 11 | 180 | 461 | 240 | 323 | 272 | 190 | 270 | 477 | 460 | 456 | 1479 | 1350 | 320 | 110 | 550 | 125 | 275 | 50 | 19 | 236 | 353 |
| | B | 15 | 180 | 461 | 240 | 345 | 294 | 190 | 270 | 477 | 460 | 456 | 1523 | 1350 | 320 | 110 | 550 | 125 | 275 | 50 | 19 | 236 | 375 |
| | B | 18.5, 22 | 180 | 461 | 240 | 352 | 293 | 190 | 290 | 536 | 480 | 456 | 1529 | 1350 | 410 | 130 | 550 | 125 | 365 | 50 | 19 | 253 | 430,438 |
| PMT-5008 | B | 11 | 180 | 523 | 240 | 323 | 272 | 190 | 270 | 477 | 460 | 493 | 1541 | 1400 | 320 | 110 | 550 | 150 | 275 | 50 | 19 | 253 | 370 |
| | B | 15 | 180 | 523 | 240 | 345 | 294 | 190 | 270 | 477 | 460 | 493 | 1585 | 1400 | 320 | 110 | 550 | 150 | 275 | 50 | 19 | 253 | 392 |
| | B | 18.5, 22 | 180 | 523 | 240 | 352 | 293 | 190 | 290 | 536 | 480 | 493 | 1591 | 1400 | 410 | 130 | 550 | 150 | 365 | 50 | 19 | 271 | 448,456 |
| PMT-5009 | B | 11 | 180 | 585 | 240 | 323 | 272 | 190 | 270 | 477 | 460 | 531 | 1603 | 1450 | 320 | 110 | 550 | 175 | 275 | 50 | 19 | 270 | 387 |
| | B | 15 | 180 | 585 | 240 | 345 | 294 | 190 | 270 | 477 | 460 | 531 | 1647 | 1450 | 320 | 110 | 550 | 175 | 275 | 50 | 19 | 270 | 409 |
| | B | 18.5, 22 | 180 | 585 | 240 | 352 | 293 | 190 | 290 | 536 | 480 | 526 | 1653 | 1450 | 410 | 130 | 550 | 175 | 365 | 50 | 19 | 289 | 466,474 |
| PMT-6502 | A | 5.5 | 195 | 180 | 257 | 239 | 205 | 215 | 265 | 444 | 480 | 131 | 1079 | 950 | 340 | 85 | 600 | 175 | 305 | 40 | 15 | 167 | 233 |
| | A | 7.5 | 195 | 180 | 257 | 258 | 226 | 215 | 265 | 444 | 480 | 131 | 1119 | 950 | 340 | 85 | 600 | 175 | 305 | 40 | 15 | 167 | 247 |
| | B | 11 | 195 | 180 | 257 | 323 | 272 | 215 | 265 | 472 | 480 | 156 | 1230 | 1100 | 340 | 85 | 400 | 150 | 305 | 40 | 15 | 174 | 291 |
| | B | 15 | 195 | 180 | 257 | 345 | 294 | 215 | 265 | 472 | 480 | 156 | 1274 | 1100 | 340 | 85 | 400 | 150 | 305 | 40 | 15 | 174 | 313 |
| PMT-6503 | B | 7.5 | 195 | 251 | 257 | 258 | 226 | 215 | 265 | 444 | 480 | 252 | 1190 | 1050 | 340 | 85 | 400 | 125 | 305 | 40 | 15 | 198 | 278 |
| | B | 11 | 195 | 251 | 257 | 323 | 272 | 215 | 265 | 472 | 480 | 252 | 1301 | 1150 | 340 | 85 | 450 | 125 | 305 | 40 | 15 | 201 | 318 |
| | B | 15 | 195 | 251 | 257 | 345 | 294 | 215 | 265 | 472 | 480 | 252 | 1345 | 1150 | 340 | 85 | 450 | 125 | 305 | 40 | 15 | 201 | 340 |
| | B | 18.5, 22 | 195 | 251 | 257 | 352 | 293 | 215 | 290 | 536 | 505 | 252 | 1351 | 1150 | 400 | 110 | 450 | 125 | 355 | 50 | 19 | 215 | 392,400 |
| PMT-6504 | B | 11 | 195 | 322 | 257 | 323 | 272 | 215 | 290 | 497 | 505 | 323 | 1372 | 1250 | 370 | 110 | 500 | 125 | 325 | 50 | 19 | 240 | 357 |
| | B | 15 | 195 | 322 | 257 | 345 | 294 | 215 | 290 | 497 | 505 | 323 | 1416 | 1250 | 370 | 110 | 500 | 125 | 325 | 50 | 19 | 240 | 379 |
| | B | 18.5, 22 | 195 | 322 | 257 | 352 | 293 | 215 | 290 | 536 | 505 | 323 | 1422 | 1250 | 400 | 110 | 500 | 125 | 355 | 50 | 19 | 245 | 422,430 |
| PMT-6505 | B | 11 | 195 | 393 | 257 | 323 | 272 | 215 | 290 | 497 | 505 | 369 | 1443 | 1300 | 370 | 110 | 500 | 150 | 325 | 50 | 19 | 268 | 385 |
| | B | 15 | 195 | 393 | 257 | 345 | 294 | 215 | 290 | 497 | 505 | 369 | 1487 | 1300 | 370 | 110 | 500 | 150 | 325 | 50 | 19 | 268 | 407 |
| | B | 18.5, 22 | 195 | 393 | 257 | 352 | 293 | 215 | 290 | 536 | 505 | 369 | 1493 | 1300 | 400 | 110 | 500 | 150 | 355 | 50 | 19 | 273 | 450,458 |
| | B | 30 | 195 | 393 | 257 | 371 | 319 | 215 | 290 | 536 | 505 | 397 | 1538 | 1350 | 400 | 110 | 550 | 125 | 355 | 50 | 19 | 276 | 486 |
| PMT-6506 | B | 18.5, 22 | 195 | 464 | 257 | 352 | 293 | 215 | 290 | 536 | 505 | 440 | 1564 | 1400 | 400 | 110 | 550 | 150 | 355 | 50 | 19 | 304 | 481,489 |
| | B | 30 | 195 | 464 | 257 | 371 | 319 | 215 | 290 | 536 | 505 | 440 | 1609 | 1400 | 400 | 110 | 550 | 150 | 355 | 50 | 19 | 304 | 514 |
| PMT-6507 | B | 18.5, 22 | 195 | 535 | 257 | 352 | 293 | 215 | 290 | 536 | 505 | 461 | 1635 | 1500 | 400 | 110 | 550 | 200 | 355 | 50 | 19 | 334 | 511,519 |
| | B | 30 | 195 | 535 | 257 | 371 | 319 | 215 | 290 | 536 | 505 | 461 | 1680 | 1500 | 400 | 110 | 550 | 200 | 355 | 50 | 19 | 334 | 544 |
| | B | 37,45 | 195 | 535 | 257 | 426 | 394 | 215 | 310 | 566 | 525 | 486 | 1810 | 1550 | 440 | 130 | 600 | 175 | 395 | 50 | 19 | 346 | 636,656 |

P·B : exc. Motor
P·B·M : inc. Motor

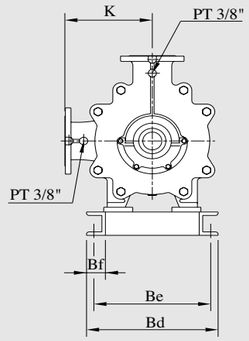
놈(영문)-1월 최종 2011.1.19 9:57 AM 페이지40



## Outline dimensions - Complete Pump




*Dimension will vary on motor manufacturer.



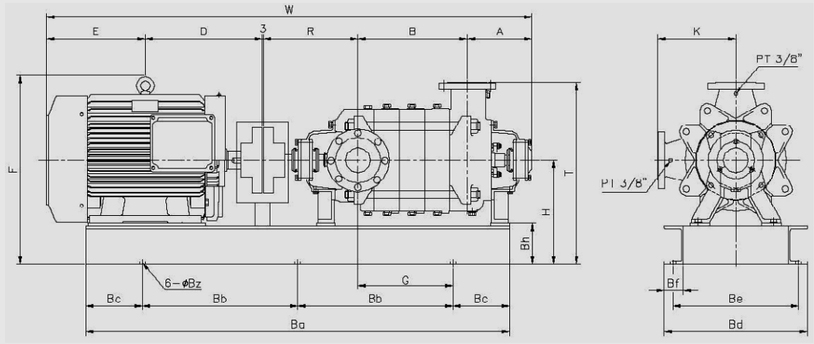

| MODEL | MOTOR (kW) | PUMP & MOTOR (mm) | | | | | | | | | | | BED ASM (mm) | | | | | | | | WEIGHT(kg) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | R | D | E | K | H | F | T | G | W | Ba | Bd | Bh | Bb | Bc | Be | Bf | Bz | P,B | P,B,M |
| PMV- 8002 | 11 | 232 | 197 | 319 | 323 | 272 | 270 | 392 | 599 | 712 | 80 | 1346 | 1050 | 425 | 112 | 400 | 125 | 380 | 50 | 19 | 383 | 500 |
| | 15 | 232 | 197 | 319 | 345 | 294 | 270 | 392 | 599 | 712 | 80 | 1390 | 1050 | 425 | 112 | 400 | 125 | 380 | 50 | 19 | 383 | 522 |
| | 18,5,22 | 232 | 197 | 319 | 352 | 293 | 270 | 392 | 638 | 712 | 80 | 1396 | 1050 | 425 | 112 | 400 | 125 | 380 | 50 | 19 | 383 | 560,568 |
| PMV- 8003 | 18,5,22 | 232 | 284 | 319 | 352 | 293 | 270 | 392 | 638 | 712 | 142 | 1483 | 1200 | 425 | 112 | 450 | 150 | 380 | 50 | 19 | 392 | 569,577 |
| | 30 | 232 | 284 | 319 | 371 | 319 | 270 | 392 | 638 | 712 | 142 | 1528 | 1200 | 425 | 112 | 450 | 150 | 380 | 50 | 19 | 392 | 602 |
| | 37,45 | 232 | 284 | 319 | 426 | 394 | 270 | 392 | 648 | 712 | 166,5 | 1658 | 1250 | 440 | 112 | 500 | 125 | 395 | 50 | 19 | 397 | 687,707 |
| PMV- 8004 | 18,5,22 | 232 | 371 | 328 | 352 | 293 | 270 | 392 | 638 | 712 | 229,5 | 1575 | 1300 | 440 | 112 | 500 | 150 | 395 | 50 | 19 | 401 | 578,586 |
| | 30 | 232 | 371 | 328 | 371 | 319 | 270 | 392 | 638 | 712 | 229,5 | 1620 | 1300 | 440 | 112 | 500 | 150 | 395 | 50 | 19 | 401 | 611 |
| | 37,45 | 232 | 371 | 328 | 426 | 394 | 270 | 392 | 648 | 712 | 254,5 | 1750 | 1350 | 440 | 112 | 550 | 125 | 395 | 50 | 19 | 404 | 694,714 |
| PMV- 8005 | 30 | 232 | 458 | 328 | 371 | 319 | 270 | 392 | 638 | 712 | 315,5 | 1707 | 1400 | 440 | 112 | 550 | 150 | 395 | 50 | 19 | 407 | 617 |
| | 37,45 | 232 | 458 | 328 | 426 | 394 | 270 | 392 | 648 | 712 | 293 | 1837 | 1450 | 440 | 112 | 550 | 175 | 395 | 50 | 19 | 410 | 700,720 |
| | 55 | 232 | 458 | 328 | 445 | 390 | 270 | 392 | 690 | 712 | 293 | 1852 | 1450 | 480 | 112 | 550 | 175 | 435 | 50 | 19 | 418 | 758 |
| PMV- 8006 | 37,45 | 232 | 545 | 328 | 426 | 394 | 270 | 390 | 646 | 710 | 385 | 1924 | 1550 | 440 | 110 | 600 | 175 | 395 | 50 | 23 | 416 | 706,726 |
| | 55 | 232 | 545 | 328 | 445 | 390 | 270 | 417 | 715 | 737 | 380 | 1939 | 1550 | 480 | 137 | 600 | 175 | 420 | 65 | 23 | 432 | 772 |
| | 75 | 232 | 545 | 328 | 464 | 421 | 270 | 417 | 749 | 737 | 355 | 1989 | 1700 | 540 | 137 | 650 | 200 | 480 | 65 | 23 | 458 | 948 |
| PMV- 1002 | 18,5,22 | 232 | 220 | 314 | 352 | 293 | 330 | 392 | 638 | 747 | 77,5 | 1414 | 1100 | 440 | 112 | 400 | 150 | 395 | 50 | 19 | 423 | 600,608 |
| | 30 | 232 | 220 | 314 | 371 | 319 | 330 | 392 | 638 | 747 | 77,5 | 1459 | 1100 | 440 | 112 | 400 | 150 | 395 | 50 | 19 | 423 | 633 |
| | 37,45 | 232 | 220 | 314 | 426 | 394 | 330 | 392 | 648 | 747 | 77,5 | 1589 | 1200 | 440 | 112 | 450 | 150 | 395 | 50 | 19 | 429 | 719,739 |
| PMV- 1003 | 18,5,22 | 232 | 314 | 322 | 352 | 293 | 330 | 392 | 638 | 747 | 171,5 | 1543 | 1200 | 440 | 112 | 450 | 150 | 395 | 50 | 19 | 429 | 606,614 |
| | 30 | 232 | 314 | 322 | 371 | 319 | 330 | 392 | 638 | 747 | 171,5 | 1588 | 1200 | 440 | 112 | 450 | 150 | 395 | 50 | 19 | 429 | 639 |
| | 37,45 | 232 | 314 | 322 | 426 | 394 | 330 | 392 | 648 | 747 | 171,5 | 1718 | 1300 | 440 | 112 | 500 | 150 | 395 | 50 | 19 | 436 | 726,746 |
| PMV- 1004 | 37,45 | 232 | 408 | 341 | 426 | 394 | 330 | 392 | 648 | 747 | 265,5 | 1804 | 1400 | 440 | 112 | 550 | 150 | 395 | 50 | 19 | 442 | 732,752 |
| | 55 | 232 | 408 | 341 | 445 | 390 | 330 | 392 | 690 | 747 | 265,5 | 1819 | 1400 | 480 | 112 | 550 | 150 | 435 | 50 | 19 | 450 | 790 |
| | 75 | 232 | 408 | 341 | 464 | 421 | 330 | 417 | 749 | 772 | 228 | 1869 | 1600 | 540 | 137 | 600 | 200 | 480 | 65 | 23 | 502 | 992 |
| PMV- 1005 | 55 | 232 | 502 | 351 | 445 | 390 | 330 | 417 | 715 | 772 | 309,5 | 1923 | 1500 | 480 | 137 | 550 | 200 | 420 | 65 | 23 | 463 | 803 |
| | 75 | 232 | 502 | 351 | 464 | 421 | 330 | 417 | 749 | 772 | 322 | 1973 | 1700 | 540 | 137 | 650 | 200 | 480 | 65 | 23 | 493 | 983 |
| PMV- 1006 | 75 | 232 | 596 | 351 | 464 | 421 | 330 | 417 | 749 | 772 | 381 | 2067 | 1750 | 540 | 137 | 650 | 225 | 480 | 65 | 23 | 497 | 987 |
| | 90 | 232 | 596 | 351 | 464 | 521 | 330 | 417 | 749 | 772 | 381 | 2167 | 1750 | 540 | 137 | 650 | 225 | 480 | 65 | 23 | 497 | 1017 |
| PMV- 1202 | 55 | 241 | 267 | 356 | 445 | 390 | 340 | 390 | 688 | 750 | 128 | 1702 | 1300 | 480 | 110 | 500 | 150 | 435 | 50 | 19 | 448 | 788 |
| | 75 | 241 | 267 | 356 | 464 | 421 | 340 | 390 | 722 | 750 | 103 | 1752 | 1450 | 540 | 110 | 550 | 175 | 495 | 50 | 19 | 470 | 960 |
| | 90 | 241 | 267 | 356 | 464 | 521 | 340 | 390 | 722 | 750 | 103 | 1852 | 1450 | 540 | 110 | 550 | 175 | 495 | 50 | 19 | 470 | 990 |
| PMV- 1203 | 75 | 241 | 381 | 356 | 464 | 421 | 340 | 390 | 722 | 750 | 217 | 1866 | 1550 | 540 | 110 | 600 | 175 | 495 | 50 | 19 | 478 | 968 |
| | 90 | 241 | 381 | 356 | 464 | 521 | 340 | 390 | 722 | 750 | 217 | 1966 | 1550 | 540 | 110 | 600 | 175 | 495 | 50 | 19 | 478 | 998 |
| | 110 | 241 | 381 | 356 | 544 | 596 | 340 | 417 | 968 | 777 | 217 | 2121 | 1650 | 615 | 137 | 650 | 175 | 555 | 65 | 23 | 513 | 1353 |
| PMV- 1204 | 90 | 241 | 495 | 356 | 464 | 521 | 340 | 417 | 749 | 777 | 331 | 2080 | 1650 | 550 | 137 | 650 | 175 | 485 | 65 | 23 | 497 | 1017 |
| | 110,132 | 241 | 495 | 356 | 544 | 596 | 340 | 417 | 968 | 777 | 281 | 2235 | 1750 | 615 | 137 | 650 | 225 | 555 | 65 | 23 | 522 | 1362,1382 |
| | 160 | 241 | 495 | 356 | 589 | 642 | 340 | 545 | 1107 | 905 | 261 | 2326 | 1850 | 700 | 265 | 675 | 250 | 620 | 80 | 27 | 581 | 1681 |
| PMV- 1205 | 160 | 261 | 609 | 386 | 589 | 642 | 340 | 545 | 1107 | 905 | 375 | 2490 | 2000 | 700 | 265 | 750 | 250 | 620 | 80 | 27 | 598 | 1698 |
| PMT- 1202 | 55 | 272 | 283 | 391 | 445 | 390 | 380 | 447 | 745 | 822 | 178 | 1784 | 1350 | 550 | 137 | 550 | 125 | 490 | 65 | 23 | 487 | 827 |
| | 75 | 272 | 283 | 391 | 464 | 421 | 380 | 447 | 779 | 822 | 103 | 1834 | 1500 | 600 | 137 | 550 | 200 | 540 | 65 | 23 | 510 | 1000 |
| | 90 | 272 | 283 | 391 | 464 | 521 | 380 | 447 | 779 | 822 | 103 | 1934 | 1500 | 600 | 137 | 550 | 200 | 540 | 65 | 23 | 510 | 1030 |
| PMT- 1203 | 75 | 272 | 398 | 391 | 464 | 421 | 380 | 447 | 779 | 822 | 218 | 1949 | 1600 | 600 | 137 | 600 | 200 | 540 | 65 | 23 | 519 | 1009 |
| | 90 | 272 | 398 | 391 | 464 | 521 | 380 | 447 | 779 | 822 | 218 | 2049 | 1600 | 600 | 137 | 600 | 200 | 540 | 65 | 23 | 519 | 1039 |
| | 110,132 | 272 | 398 | 391 | 544 | 596 | 380 | 472 | 1023 | 847 | 218 | 2204 | 1700 | 600 | 162 | 650 | 200 | 530 | 75 | 23 | 539 | 1379,1399 |
| PMT- 1204 | 110,132 | 272 | 513 | 391 | 544 | 596 | 380 | 472 | 1023 | 847 | 333 | 2319 | 1800 | 600 | 162 | 700 | 200 | 530 | 75 | 27 | 548 | 1388,1408 |
| | 160 | 272 | 513 | 391 | 589 | 642 | 380 | 482 | 1044 | 857 | 283 | 2410 | 1900 | 720 | 172 | 700 | 250 | 650 | 75 | 23 | 594 | 1694 |
| | 200 | 272 | 513 | 391 | 614,5 | 616,5 | 380 | 482 | 1044 | 857 | 283 | 2410 | 1900 | 720 | 172 | 700 | 250 | 650 | 75 | 23 | 594 | 1694 |
| PMV- 1502 | 200 | 297 | 350 | 431 | 614,5 | 616,5 | 400 | 587 | 1149 | 1012 | 180 | 2312 | 1800 | 760 | 212 | 700 | 200 | 680 | 80 | 23 | 658 | 1758 |



Ring Section Pump
Multi-Stage Pumps
Outline Drawing & Dimension

## Outline dimensions - Complete Pump

*Dimension will vary on motor manufacturer.




| MODEL | MOTOR (kW) | PUMP & MOTOR (mm) | | | | | | | | | | | BED ASM (mm) | | | | | | | | WEIGHT(kg) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | R | D | E | K | H | F | T | G | W | Ba | Bd | Bh | Bb | Bc | Be | Bf | Bz | P,B | P,B,M |
| PMT-1002 | 11 | 257 | 235 | 376 | 323 | 272 | 300 | 362 | 569 | 672 | 253 | 1466 | 1300 | 370 | 112 | 500 | 150 | 325 | 50 | 19 | 378 | 495 |
| | 15 | 257 | 235 | 376 | 345 | 294 | 300 | 362 | 569 | 672 | 253 | 1510 | 1300 | 370 | 112 | 500 | 150 | 325 | 50 | 19 | 378 | 517 |
| | 18,5,22 | 257 | 235 | 376 | 352 | 293 | 300 | 362 | 608 | 672 | 278 | 1516 | 1350 | 370 | 112 | 550 | 125 | 325 | 50 | 19 | 380 | 557,565 |
| | 30 | 257 | 235 | 376 | 371 | 319 | 300 | 362 | 608 | 672 | 278 | 1561 | 1350 | 370 | 112 | 550 | 125 | 325 | 50 | 19 | 380 | 590 |
| | 37,45 | 257 | 235 | 376 | 426 | 394 | 300 | 362 | 618 | 672 | 228 | 1691 | 1450 | 430 | 112 | 550 | 175 | 385 | 50 | 19 | 398 | 688,708 |
| PMT-1003 | 18,5,22 | 257 | 335 | 376 | 352 | 293 | 300 | 362 | 608 | 672 | 328 | 1616 | 1450 | 370 | 112 | 550 | 175 | 325 | 50 | 19 | 386 | 563,571 |
| | 30 | 257 | 335 | 376 | 371 | 319 | 300 | 362 | 608 | 672 | 328 | 1661 | 1450 | 370 | 112 | 550 | 175 | 325 | 50 | 19 | 386 | 596 |
| | 37,45 | 257 | 335 | 376 | 426 | 394 | 300 | 362 | 618 | 672 | 328 | 1791 | 1550 | 430 | 112 | 600 | 175 | 385 | 50 | 19 | 404 | 694,714 |
| | 55 | 257 | 335 | 376 | 445 | 390 | 300 | 362 | 660 | 672 | 328 | 1806 | 1550 | 470 | 112 | 600 | 175 | 425 | 50 | 19 | 412 | 752 |
| | 75 | 257 | 335 | 376 | 464 | 421 | 300 | 387 | 719 | 697 | 303 | 1856 | 1600 | 500 | 137 | 600 | 200 | 440 | 65 | 23 | 430 | 920 |
| PMT-1004 | 18,5,22 | 257 | 435 | 376 | 352 | 293 | 300 | 362 | 608 | 672 | 428 | 1716 | 1550 | 370 | 112 | 600 | 175 | 325 | 50 | 19 | 391 | 568,576 |
| | 30 | 257 | 435 | 376 | 371 | 319 | 300 | 362 | 608 | 672 | 428 | 1761 | 1550 | 370 | 112 | 600 | 175 | 325 | 50 | 19 | 391 | 601 |
| | 37,45 | 257 | 435 | 376 | 426 | 394 | 300 | 362 | 618 | 672 | 428 | 1891 | 1650 | 430 | 112 | 650 | 175 | 385 | 50 | 19 | 410 | 700,720 |
| | 55 | 257 | 435 | 376 | 445 | 390 | 300 | 362 | 660 | 672 | 428 | 1906 | 1650 | 470 | 112 | 650 | 175 | 425 | 50 | 19 | 419 | 759 |
| | 75 | 257 | 435 | 376 | 464 | 421 | 300 | 387 | 719 | 697 | 403 | 1956 | 1800 | 500 | 137 | 700 | 200 | 440 | 65 | 23 | 445 | 935 |
| | 90 | 257 | 435 | 376 | 464 | 521 | 300 | 387 | 719 | 697 | 403 | 2056 | 1800 | 500 | 137 | 700 | 200 | 440 | 65 | 23 | 445 | 965 |
| | 110,132 | 257 | 435 | 376 | 544 | 596 | 300 | 460 | 1011 | 770 | 378 | 2211 | 1850 | 570 | 210 | 700 | 225 | 500 | 75 | 23 | 479 | 1319,1339 |
| PMT-1005 | 30 | 257 | 535 | 376 | 371 | 319 | 300 | 362 | 608 | 672 | 528 | 1861 | 1650 | 370 | 112 | 650 | 175 | 325 | 50 | 19 | 396 | 606 |
| | 37,45 | 257 | 535 | 376 | 426 | 394 | 300 | 362 | 618 | 672 | 478 | 1991 | 1750 | 430 | 112 | 650 | 225 | 385 | 50 | 19 | 416 | 706,726 |
| | 55 | 257 | 535 | 376 | 445 | 390 | 300 | 362 | 660 | 672 | 478 | 2006 | 1750 | 470 | 112 | 650 | 225 | 425 | 50 | 19 | 426 | 766 |
| | 75 | 257 | 535 | 376 | 464 | 421 | 300 | 387 | 719 | 697 | 453 | 2056 | 1900 | 500 | 137 | 700 | 250 | 440 | 65 | 23 | 453 | 943 |
| | 90 | 257 | 535 | 376 | 464 | 521 | 300 | 387 | 719 | 697 | 453 | 2156 | 1900 | 500 | 137 | 700 | 250 | 440 | 65 | 23 | 453 | 973 |
| | 110,132 | 257 | 535 | 376 | 544 | 596 | 300 | 460 | 1011 | 770 | 478 | 2311 | 1950 | 570 | 210 | 750 | 225 | 500 | 75 | 23 | 488 | 1328,1348 |
| PMT-1006 | 37,45 | 257 | 635 | 376 | 426 | 394 | 300 | 362 | 618 | 672 | 578 | 2091 | 1850 | 430 | 112 | 700 | 225 | 385 | 50 | 19 | 422 | 712,732 |
| | 55 | 257 | 635 | 376 | 445 | 390 | 300 | 387 | 685 | 697 | 578 | 2106 | 1850 | 500 | 137 | 700 | 225 | 440 | 65 | 23 | 449 | 789 |
| | 75 | 257 | 635 | 376 | 464 | 421 | 300 | 387 | 719 | 697 | 553 | 2156 | 2000 | 500 | 137 | 750 | 250 | 440 | 65 | 23 | 460 | 950 |
| | 90 | 257 | 635 | 376 | 464 | 521 | 300 | 387 | 719 | 697 | 553 | 2256 | 2000 | 500 | 137 | 750 | 250 | 440 | 65 | 23 | 460 | 980 |
| | 110,132 | 257 | 635 | 376 | 544 | 596 | 300 | 460 | 1011 | 770 | 578 | 2411 | 2050 | 570 | 210 | 800 | 225 | 500 | 75 | 23 | 497 | 1337,1357 |
| | 160,200 | 257 | 635 | 376 | 589 | 642 | 300 | 545 | 1107 | 855 | 578 | 2502 | 2150 | 700 | 295 | 850 | 225 | 620 | 80 | 27 | 566 | 1666 |
| PMT-1007 | 37,45 | 257 | 735 | 376 | 426 | 394 | 300 | 362 | 618 | 672 | 678 | 2191 | 1950 | 430 | 112 | 750 | 225 | 385 | 50 | 19 | 428 | 718,738 |
| | 55 | 257 | 735 | 376 | 445 | 390 | 300 | 387 | 685 | 697 | 678 | 2206 | 1950 | 500 | 137 | 750 | 225 | 440 | 65 | 23 | 457 | 797 |
| | 75 | 257 | 735 | 376 | 464 | 421 | 300 | 387 | 719 | 697 | 653 | 2256 | 2100 | 500 | 137 | 800 | 250 | 440 | 65 | 23 | 468 | 958 |
| | 90 | 257 | 735 | 376 | 464 | 521 | 300 | 387 | 719 | 697 | 653 | 2356 | 2100 | 500 | 137 | 800 | 250 | 440 | 65 | 23 | 468 | 988 |
| | 110,132 | 257 | 735 | 376 | 544 | 596 | 300 | 460 | 1011 | 770 | 678 | 2511 | 2150 | 570 | 210 | 850 | 225 | 500 | 75 | 23 | 507 | 1347,1367 |
| | 160,200 | 257 | 735 | 376 | 589 | 642 | 300 | 545 | 1107 | 855 | 678 | 2602 | 2250 | 700 | 295 | 900 | 225 | 620 | 80 | 27 | 578 | 1678 |
| PMT-1008 | 55 | 257 | 835 | 376 | 445 | 390 | 300 | 387 | 685 | 697 | 778 | 2306 | 2050 | 500 | 137 | 800 | 225 | 440 | 65 | 23 | 464 | 804 |
| | 75 | 257 | 835 | 376 | 464 | 421 | 300 | 387 | 719 | 697 | 753 | 2356 | 2200 | 500 | 137 | 850 | 250 | 440 | 65 | 23 | 475 | 965 |
| | 90 | 257 | 835 | 376 | 464 | 521 | 300 | 387 | 719 | 697 | 753 | 2456 | 2200 | 500 | 137 | 850 | 250 | 440 | 65 | 23 | 475 | 995 |
| | 110,132 | 257 | 835 | 376 | 544 | 596 | 300 | 460 | 1011 | 770 | 778 | 2611 | 2250 | 570 | 210 | 900 | 225 | 500 | 75 | 23 | 516 | 1356,1376 |
| | 160,200 | 257 | 835 | 376 | 589 | 642 | 300 | 545 | 1107 | 855 | 778 | 2702 | 2350 | 700 | 295 | 950 | 225 | 620 | 80 | 27 | 590 | 1690 |

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## General Data

| MODEL | Suc.Size | Dis.Size | Max. Working Pressure | Casing Thickness | Wearing Ring | |
|---|---|---|---|---|---|---|
| | | | | | Impeller Ring | Casing Ring |
| PMT-40 | 50 | 40 | 28 kg/cm² | 8 | No | No |
| PMT-50 | 65 | 50 | 28 kg/cm² | 8 | No | No |
| PMT-65 | 80 | 65 | 28 kg/cm² | 8 | No | No |
| PMT-10 | 125 | 100 | 20(28) kg/cm² | 14 | No | 2EA x Number of Stage |
| PMT-12 | 150 | 125 | 18(24) kg/cm² | 16 | No | 2EA x Number of Stage |
| PMV-80 | 100 | 80 | 18(25) kg/cm² | 14 | No | 2EA x Number of Stage |
| PMV-10 | 125 | 100 | 18(24) kg/cm² | 14 | No | 2EA x Number of Stage |
| PMV-12 | 150 | 125 | 18(21) kg/cm² | 14 | No | 2EA x Number of Stage |
| PMV-15 | 200 | 150 | 18(24) kg/cm² | 15 | No | 2EA x Number of Stage |

- Suction pressure shall be less than 10kgf/cm² and discharge pressure shall be less than above Max. Working Pressure.
  Number in brackets come from different material of construction.

## Impeller Data

| MODEL | Max.Dia. | Min. Dis. | Eye Dia. | No. of Vane | Max. Stage | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | 50Hz | | 60Hz | |
| | | | | | 4Pole | 2Pole | 4Pole | 2Pole |
| PMT-40 | 161 | 130 | 70 | 6 | 12 | 11 | 12 | 8 |
| PMT-50 | 181 | 160 | 80 | 6 | 9 | 9 | 9 | 6 |
| PMT-65 | 206 | 180 | 100 | 6 | 7 | 7 | 7 | 4 |
| PMT-10 | 269 | 200 | 138 | 7 | 8 | - | 8 | - |
| PMT-12 | 320 | 260 | 165 | 5 | 4 | - | 4 | - |
| PMV-80 | 266 | 206 | 102 | 5 | 6 | - | 6 | - |
| PMV-10 | 286 | 246 | 120 | 5 | 6 | - | 6 | - |
| PMV-12 | 310 | 260 | 152 | 5 | 5 | - | 5 | - |
| PMV-15 | 388 | 280 | 180 | 5 | 3 | - | 3 | - |

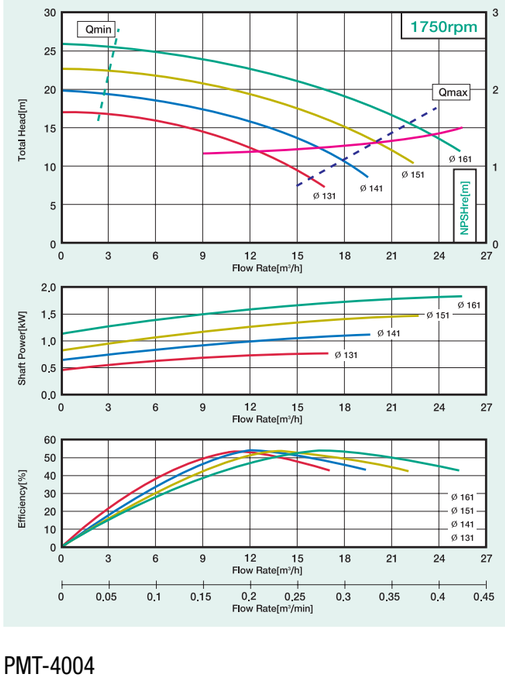
## Stuffing Box and Bearing Housing Data

| MODEL | Stuffing Box Size (Bore × Length) | O.D of Shaft Sleeve (PTO) | Packing Size (W × H × L) | Bearing NO. | Size of Key at Coupling | Shaft Diameter | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | At Impeller | At Stuff. Box | At Coupling | At Bearing |
| PMT-40 | ø 51 × 45 | ø 35 | 8 × 8 × 143 | 6305zzC3 | 8 × 7 × 36 | ø 25 | ø 25 | ø 24 | ø 25 |
| PMT-50 | ø 56 × 55 | ø 40 | 8 × 8 × 167 | 6306zzC3 | 8 × 7 × 37 | ø 30.5 | ø 30.5 | ø 29 | ø 30 |
| PMT-65 | ø 85 × 80 | ø 45 | 10 × 10 × 184 | 6307zzC3 | 10 × 8 × 45 | ø 35.5 | ø 35.5 | ø 34 | ø 35 |
| PMT-10 | ø 75 × 62 | ø 55 | 10 × 10 × 215 | Drive:6310zzC3<br>End:6311C3 | 14 × 9 × 68 | ø 45 | ø 45 | ø 45 | Drive: ø 45<br>End: ø 30 |
| PMT-12 | ø 85 × 80 | ø 60 | 12.5 × 12.5 × 227 | Drive:6311zzC3<br>End:5311C3 | 16 × 10 × 92 | ø 50 | ø 50 | ø 54 | Drive: ø 55<br>End: ø 41 |
| PMV-80<br>PMV-10 | ø 70 × 62 | ø 50 | 10 × 10 × 199 | Drive:6308zzC3<br>End:6311zzC3 | 10 × 8 × 50 | ø 37 | ø 37 | ø 38 | Drive: ø 40<br>End: ø 30 |
| PMV-12 | ø 75 × 62 | ø 55 | 10 × 10 × 215 | Drive:6310zzC3<br>End:6311zzC3 | 14 × 9 × 68 | ø 45 | ø 45 | ø 45 | Drive: ø 50<br>End: ø 30 |
| PMV-1205 | ø 75 × 62 | ø 55 | 10 × 10 × 215 | Drive:6310zzC3<br>End:5311C3 | 14 × 9 × 68 | ø 45 | ø 45 | ø 49 | Drive: ø 50<br>End: ø 37 |
| PMV-15 | ø 95 × 80 | ø 70 | 12.5 × 12.5 × 260 | Drive:6313zz<br>End:7313B(2) | 18 × 11 × 91 | ø 55 | ø 55 | ø 64 | Drive: ø 65<br>End: ø 42 |

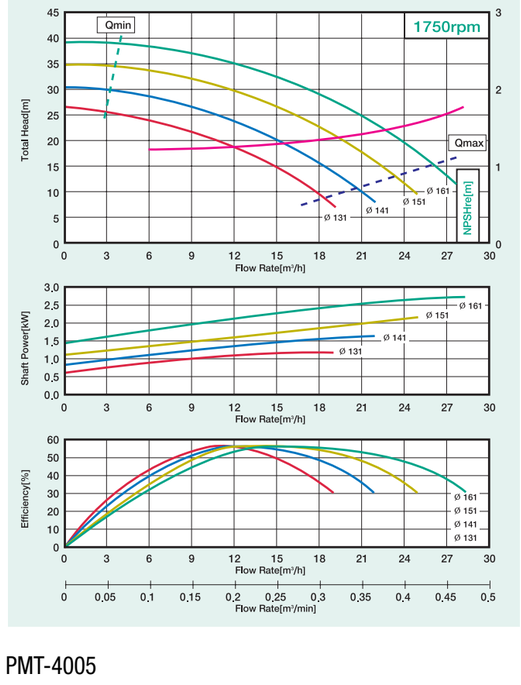




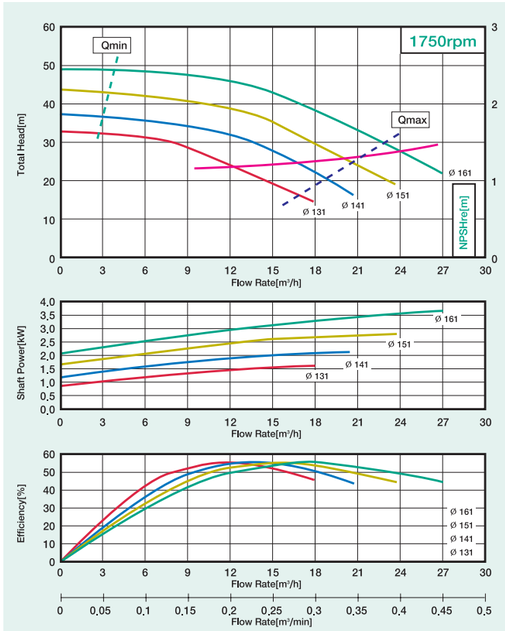
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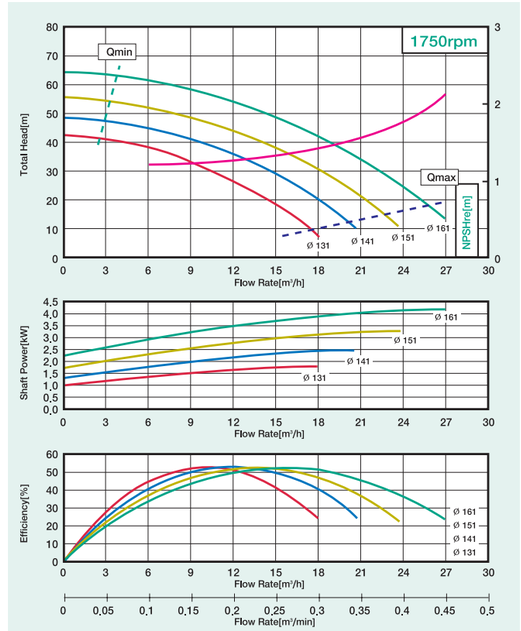

### PMT-4003




### PMT-4004



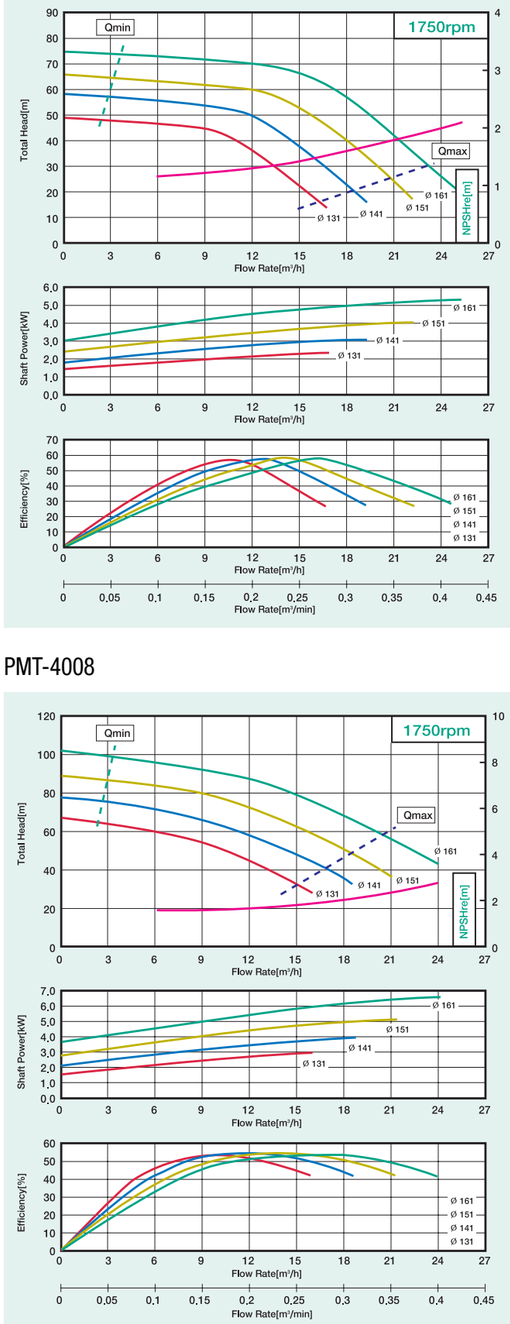

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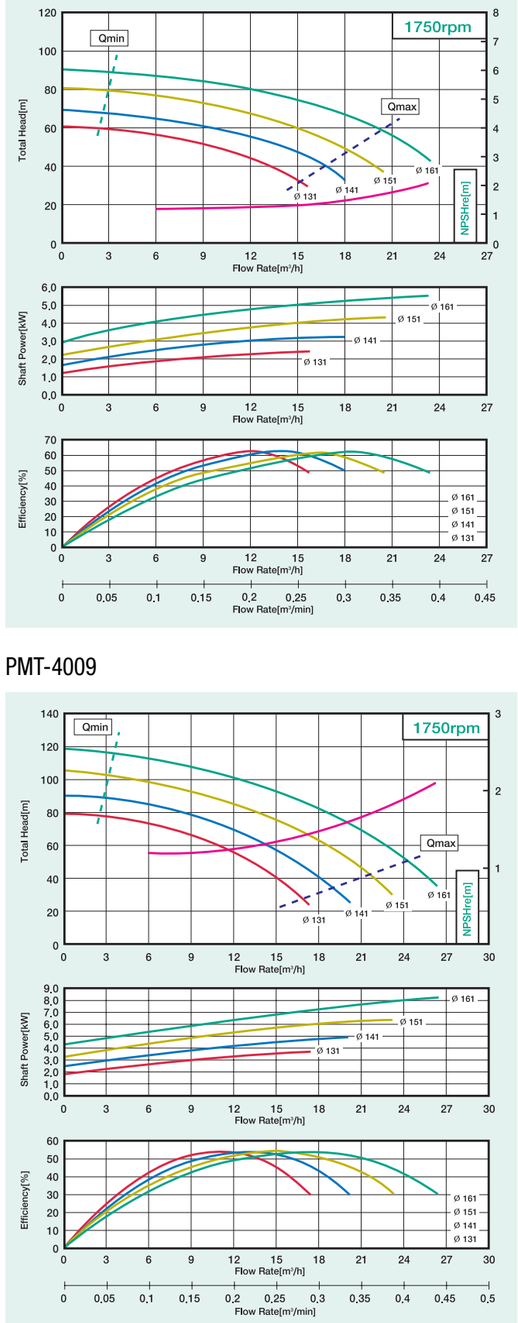
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## PMT-4006




## PMT-4007




## PMT-4008



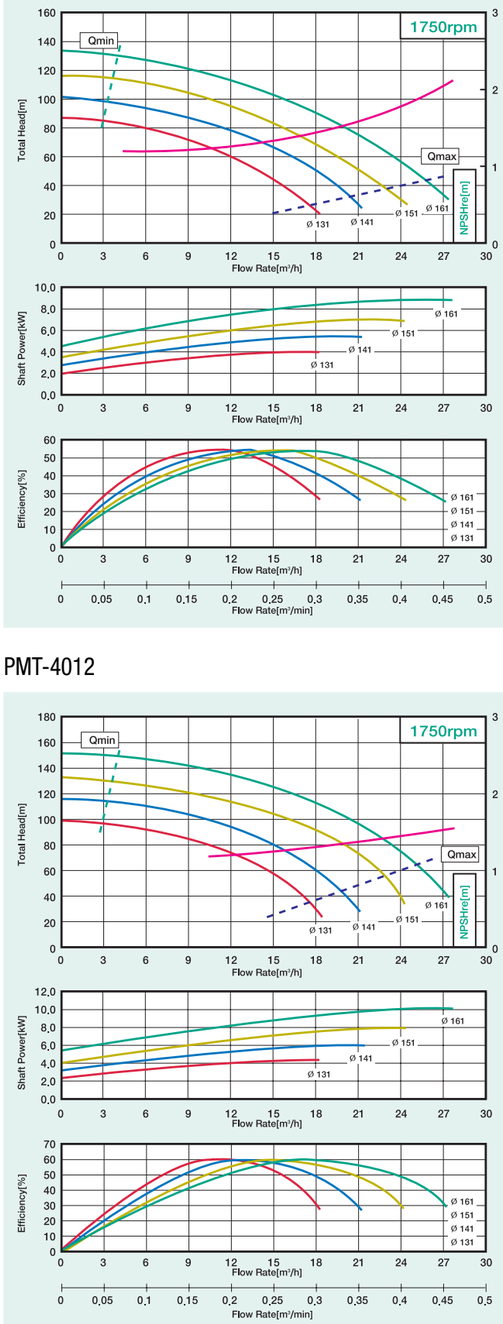

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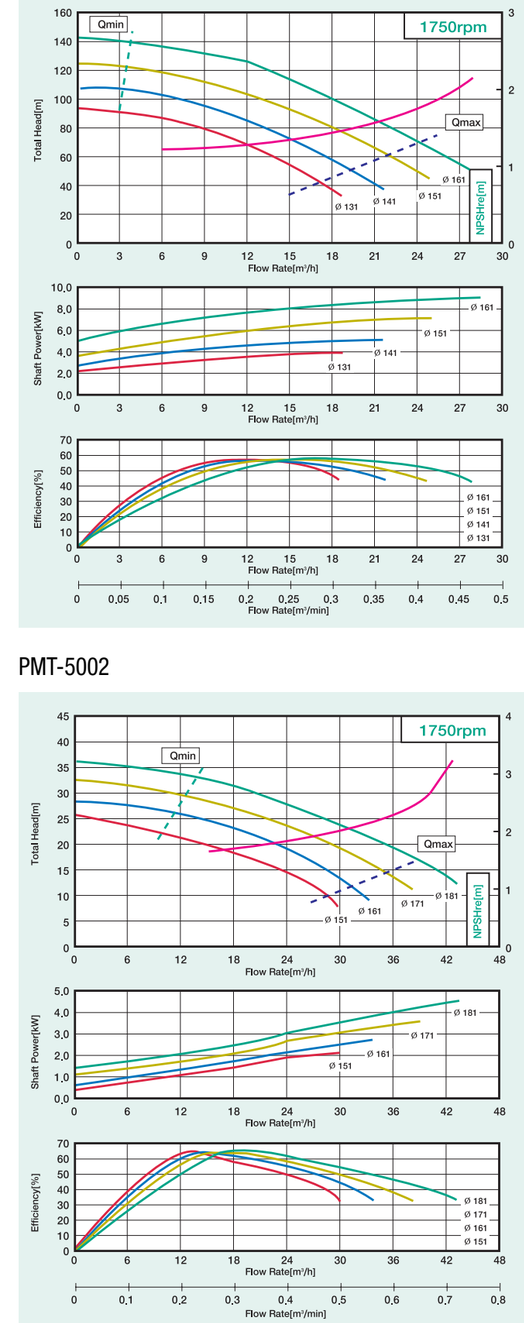





## PMT-4010




## PMT-4011




## PMT-4012

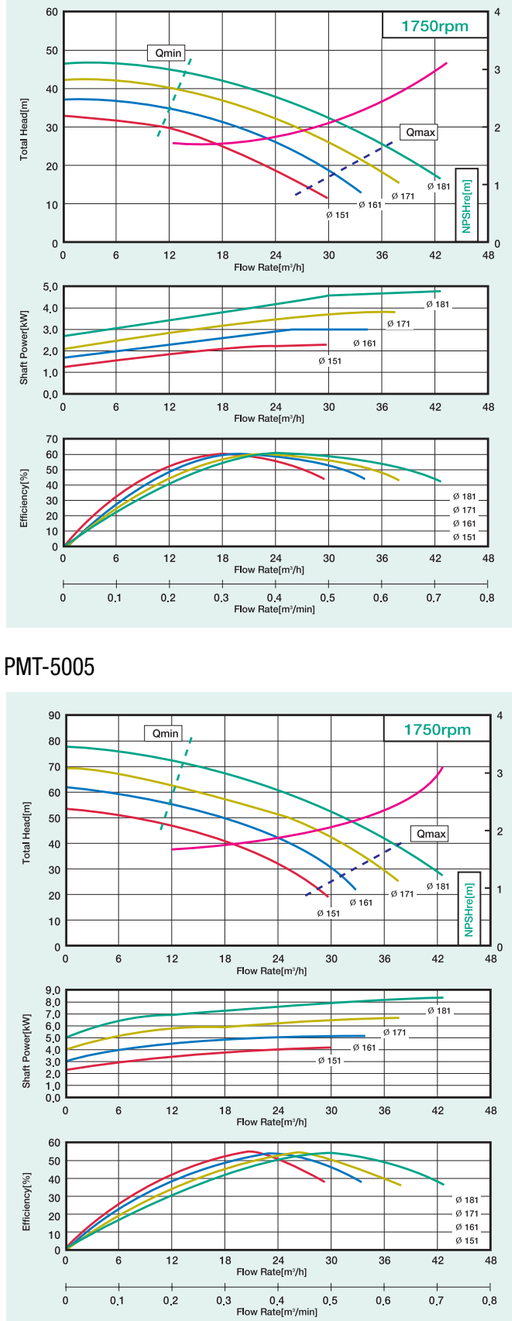



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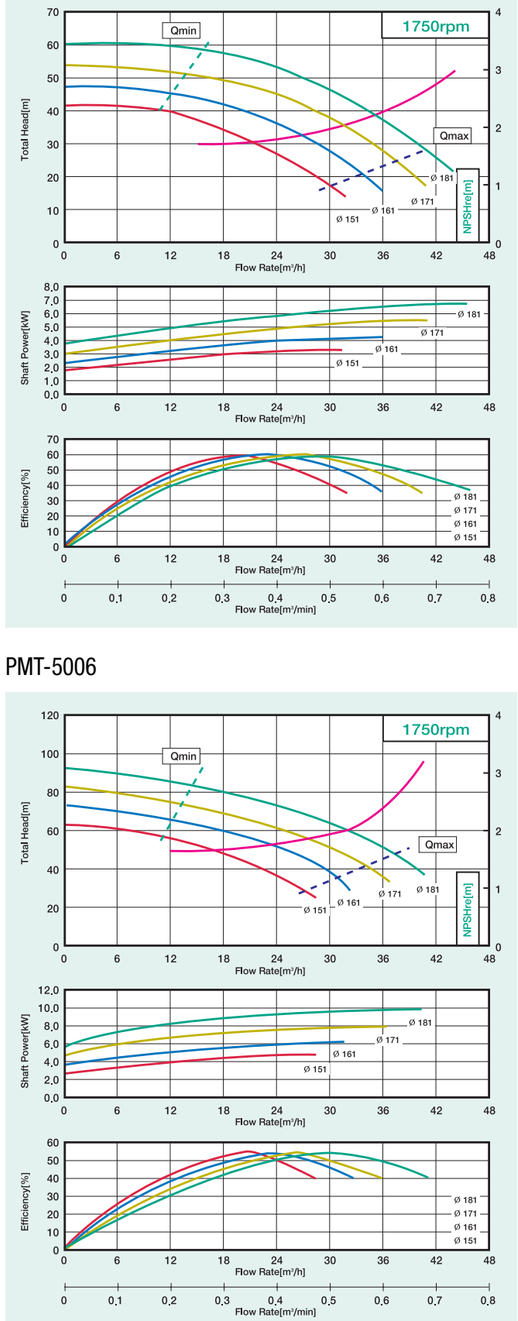
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PMT-5003




PMT-5004




PMT-5005



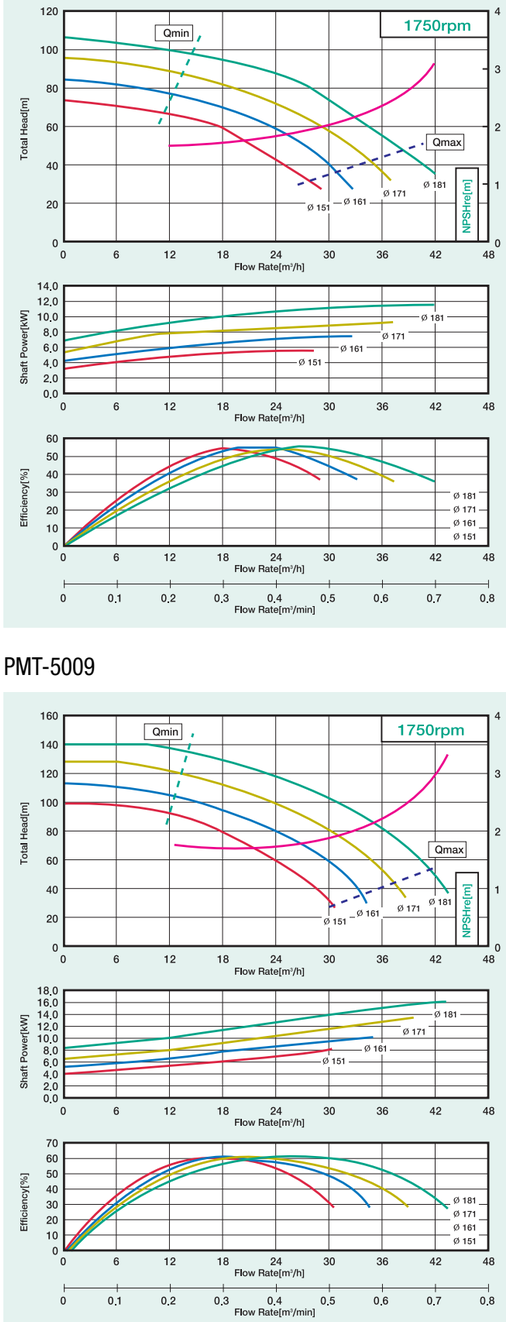

PMT-5006



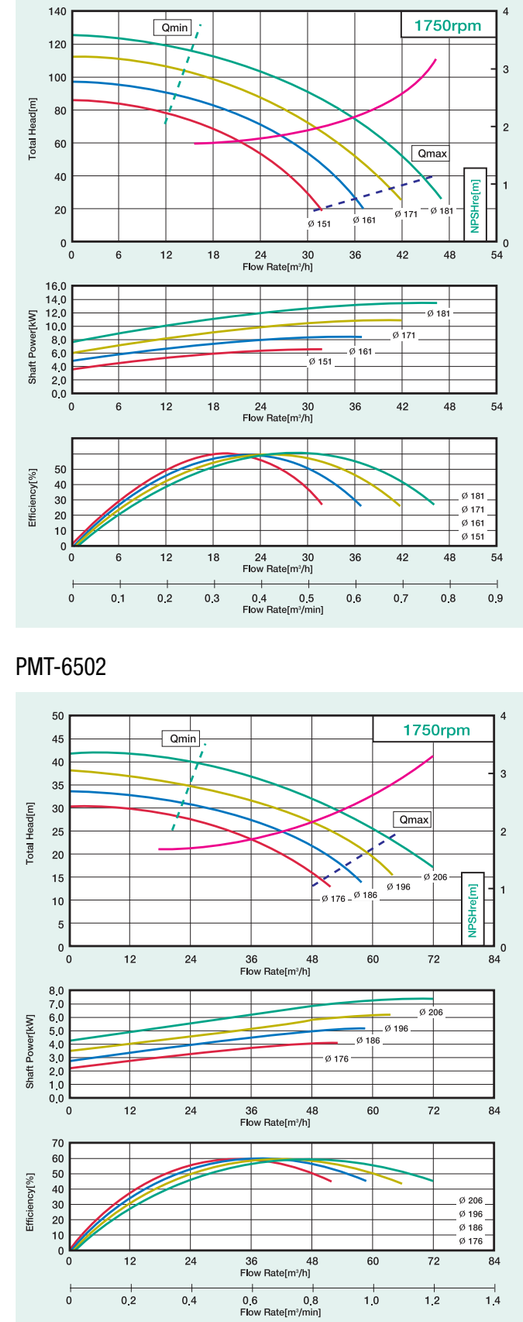





PMT-5007




PMT-5008




PMT-5009




PMT-6502

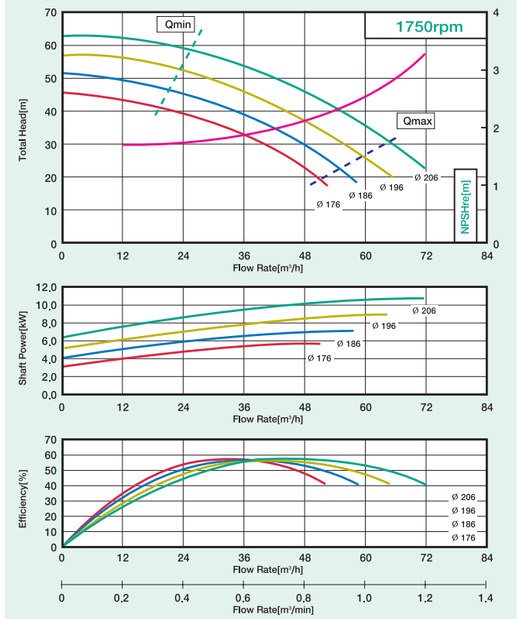
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# Ring Section Pump

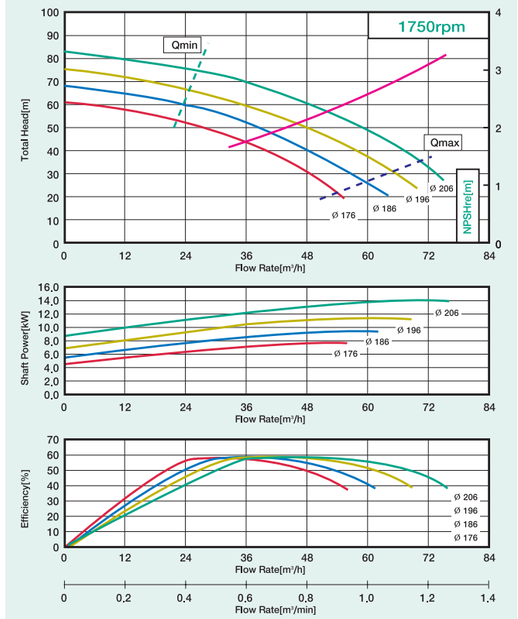
## Multi-Stage Pumps

Performance Curve 4pole

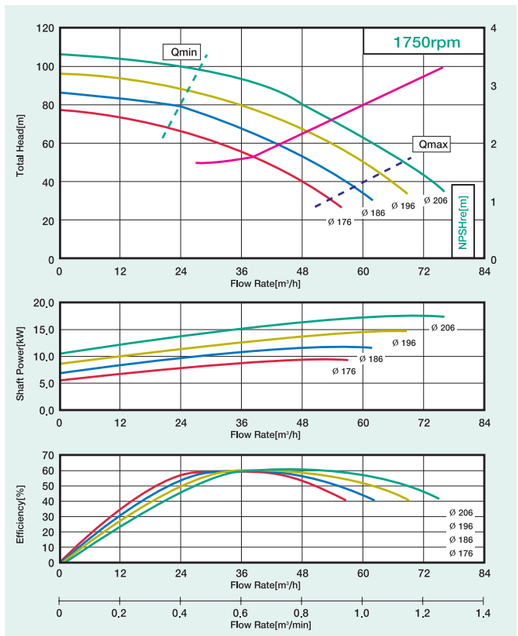
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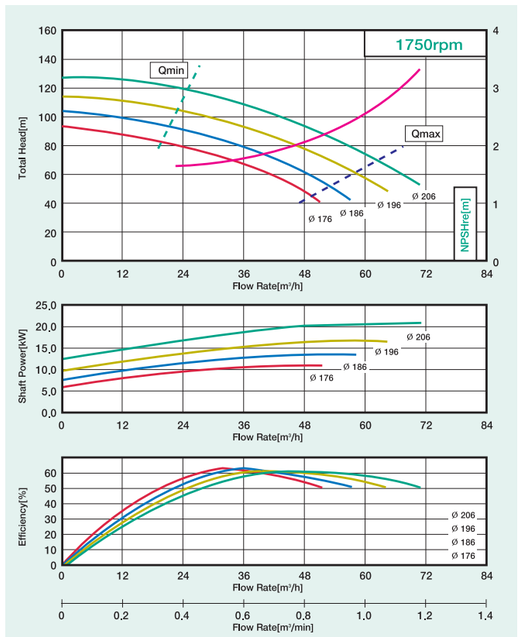

### PMT-6504




### PMT-6505




### PMT-6506



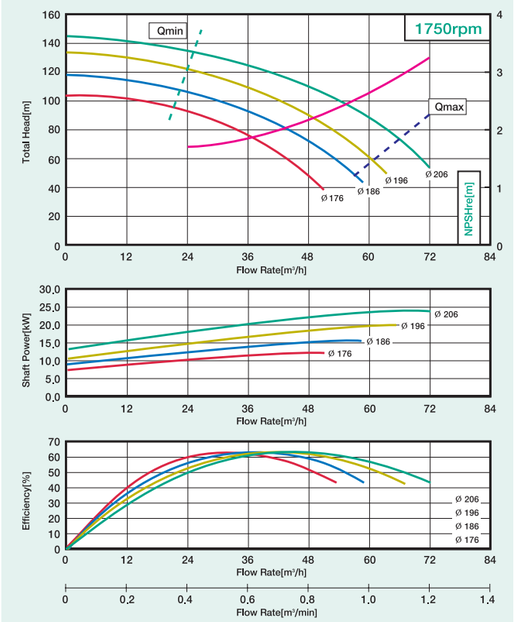



Ring Section Pump

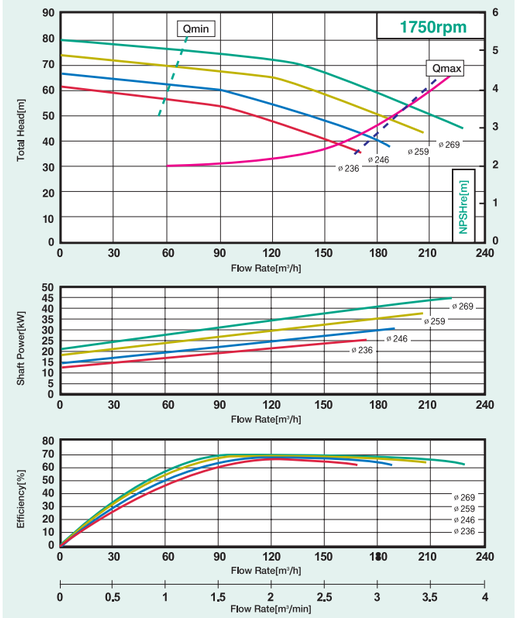
Multi-Stage Pumps

Performance Curve 4pole

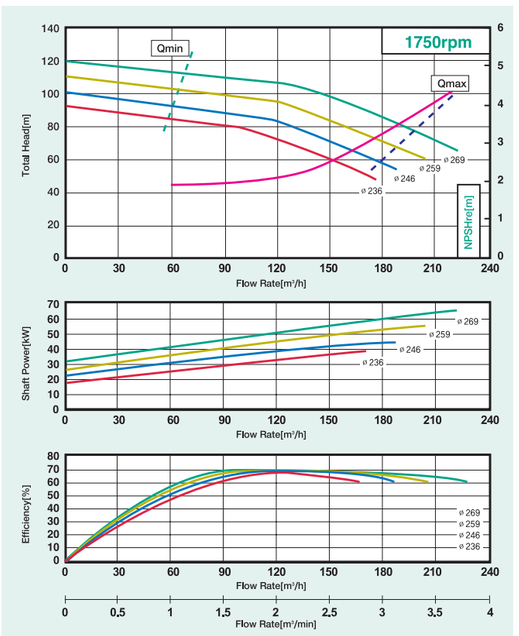
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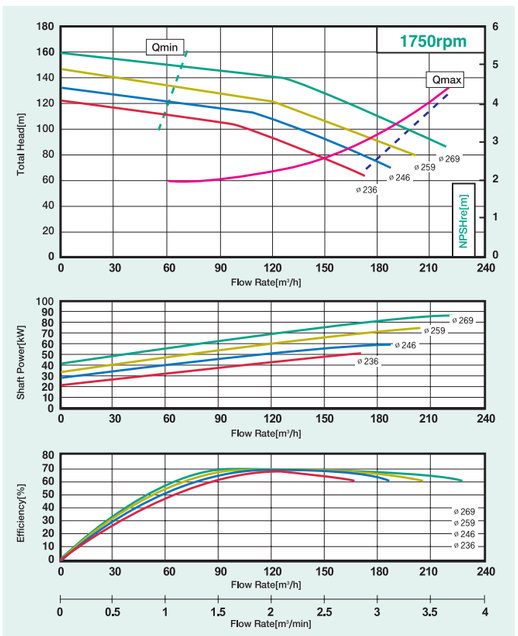

### PMT-1002




### PMT-1003



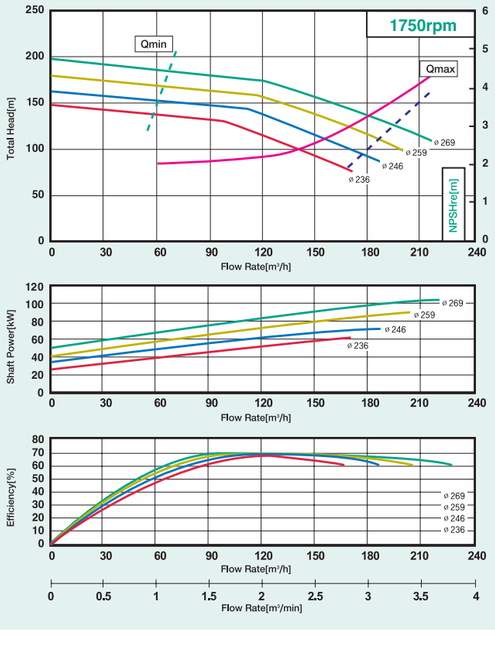

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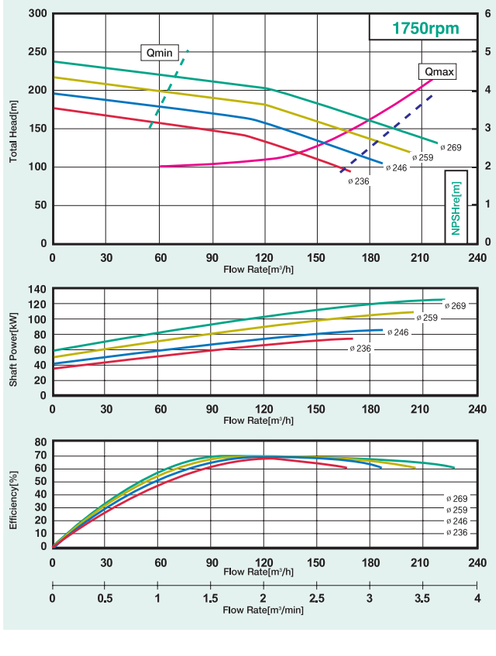
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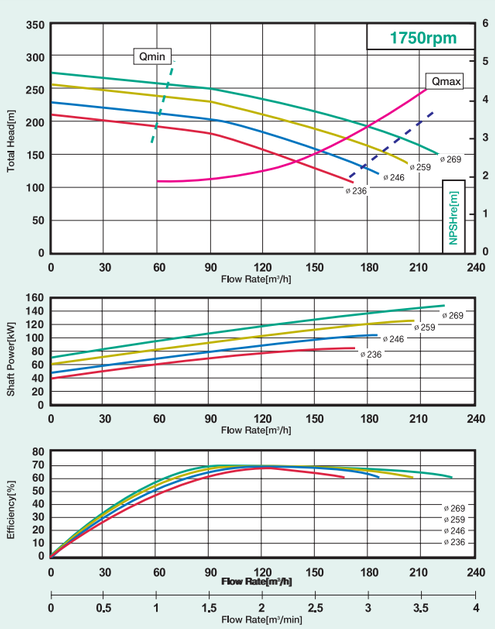
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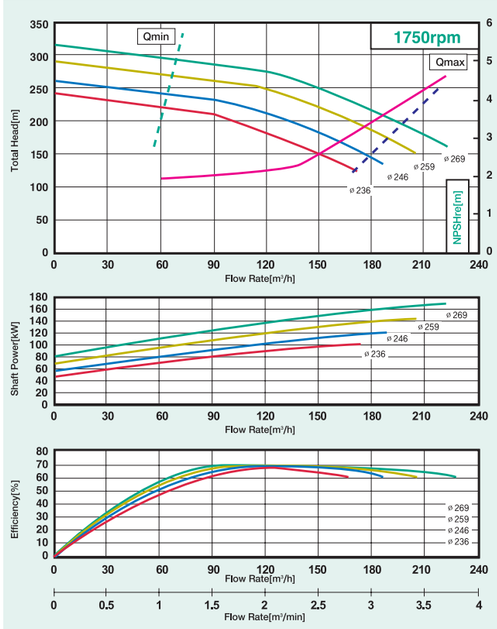

## PMT-1006




## PMT-1007



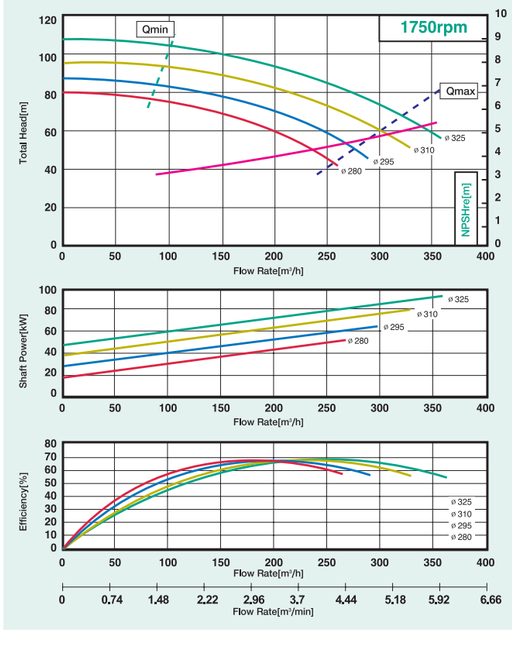

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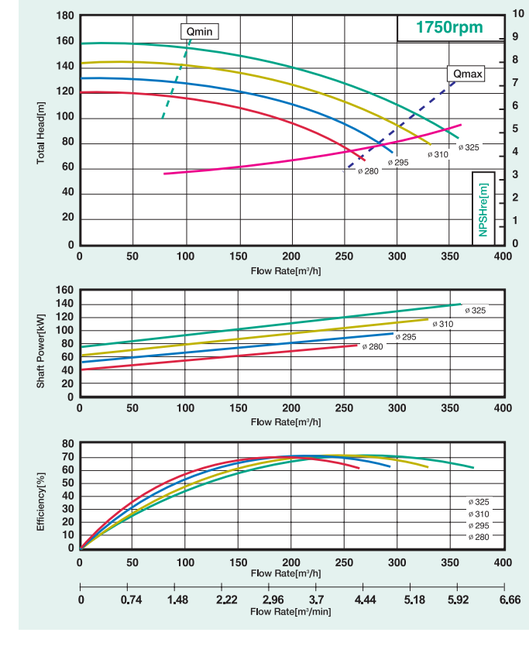




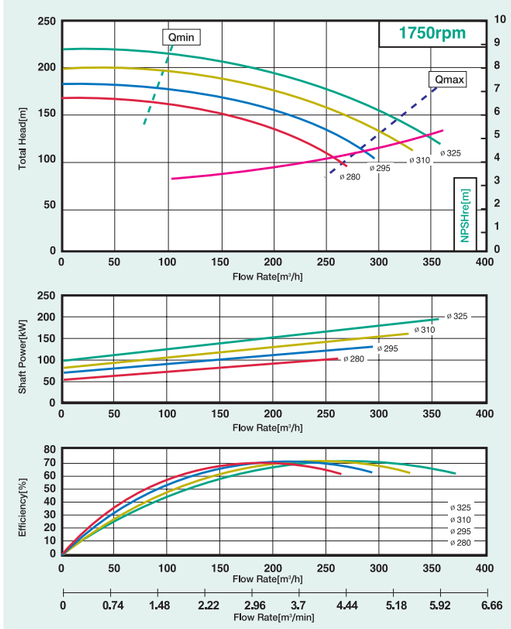

## PMT-1202




## PMT-1203



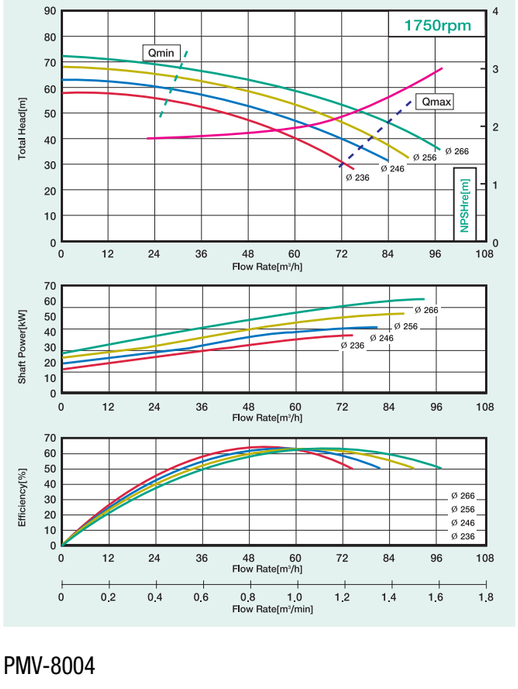

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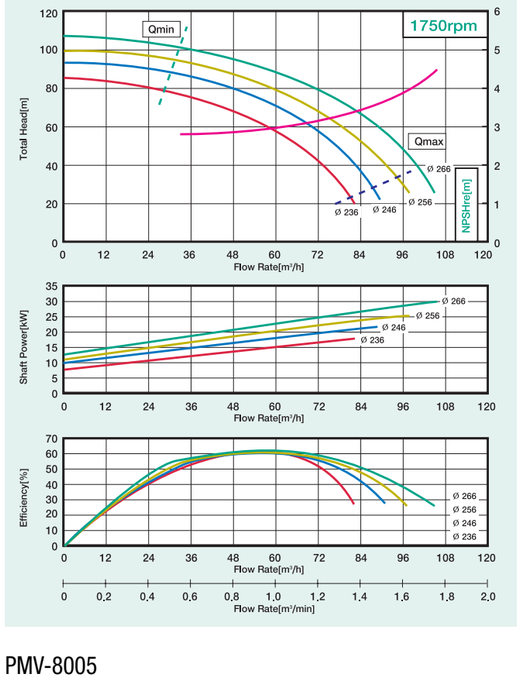
놈(영문)-1월 최종 2011.1.19 9:57 AM 페이지52



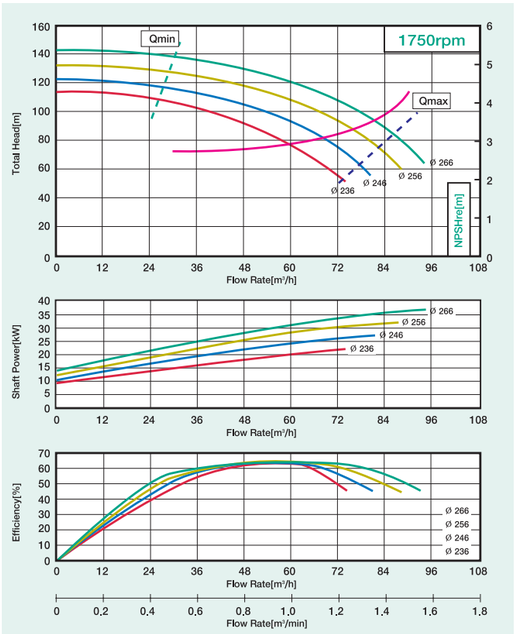
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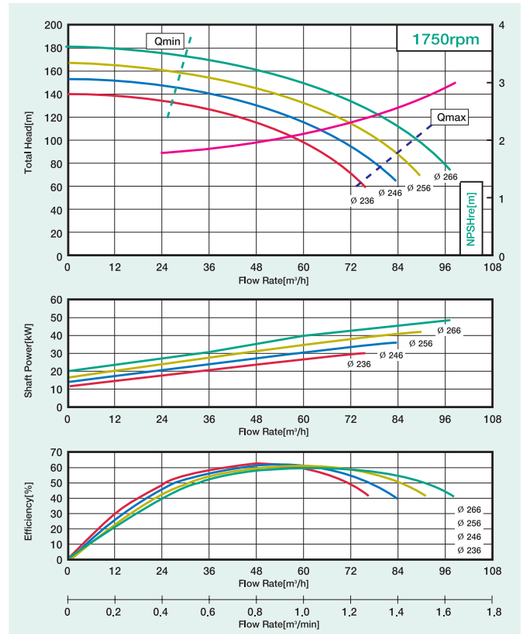

## PMV-8003




## PMV-8004



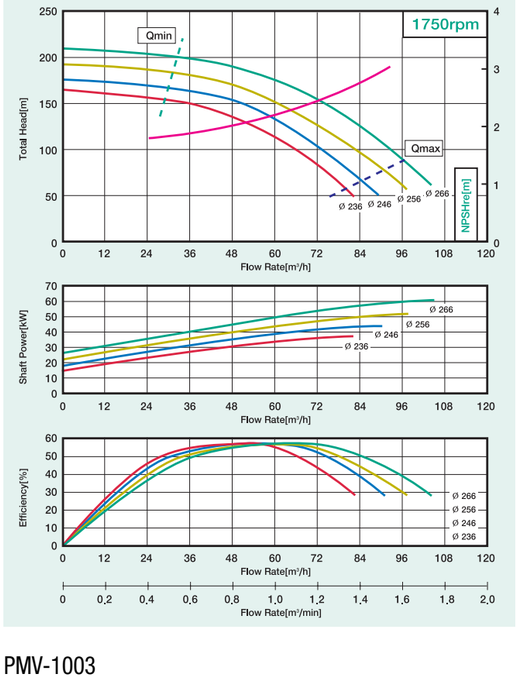

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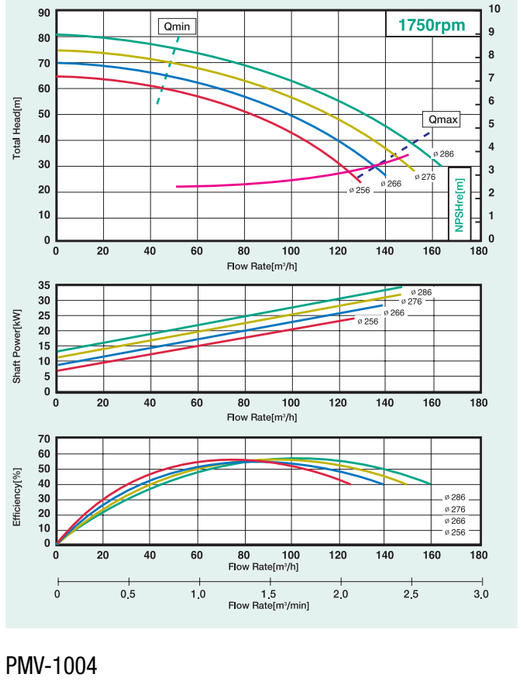




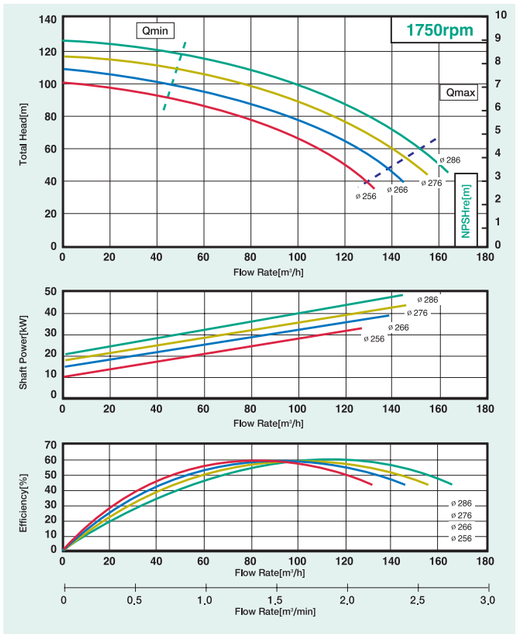

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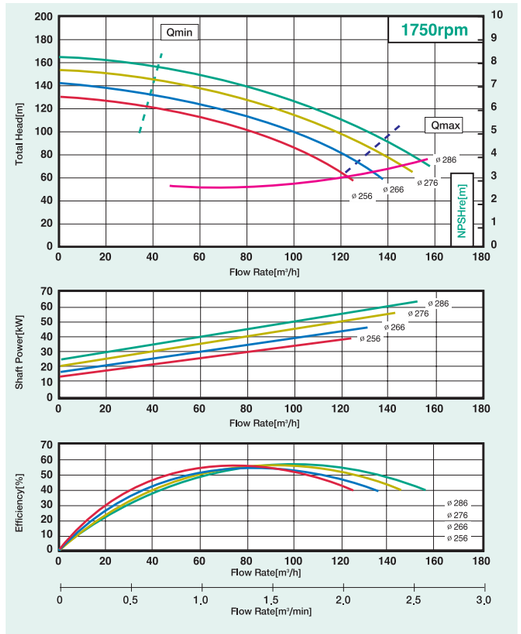

## PMV-1002




## PMV-1003



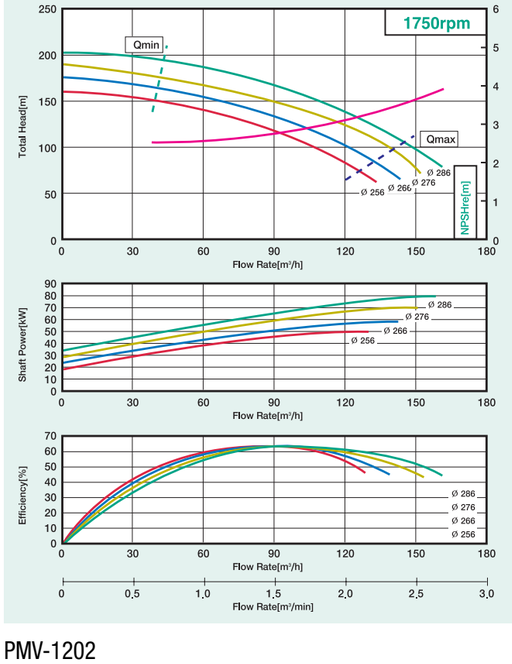

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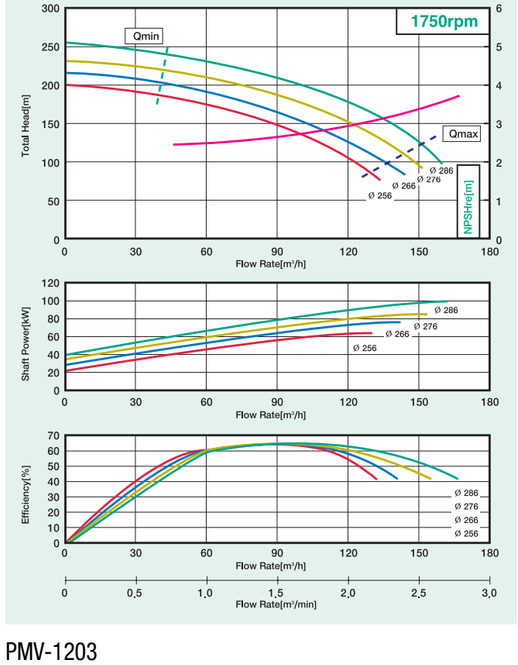
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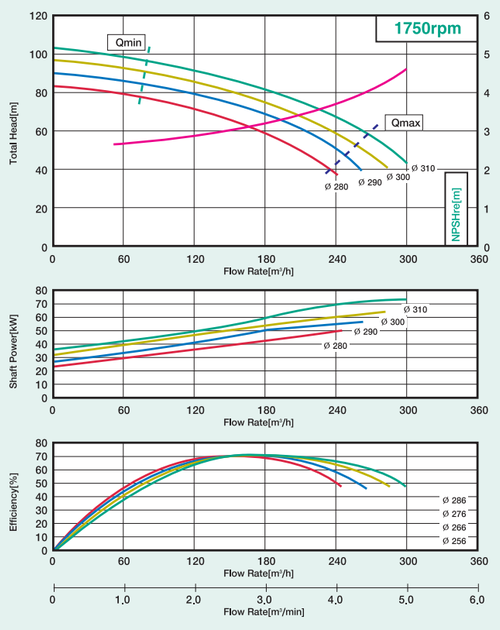
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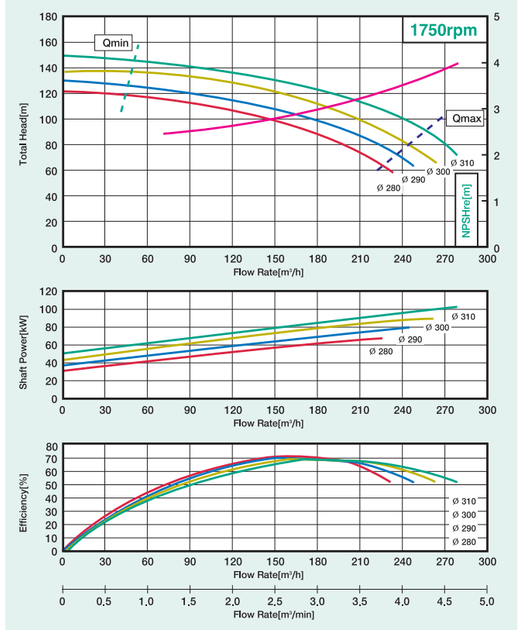

## PMV-1006




## PMV-1202



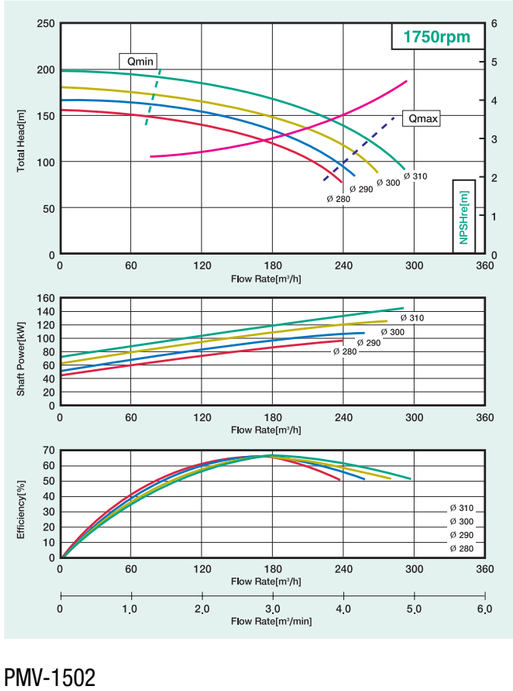

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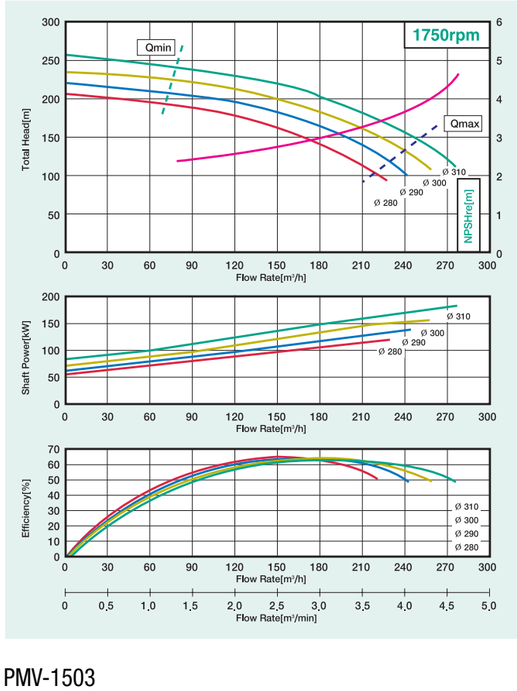



Ring Section Pump
Multi-Stage Pumps
Performance Curve 4pole

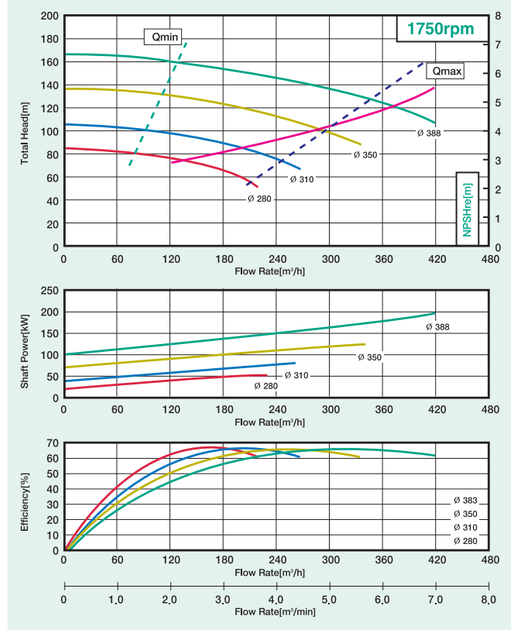
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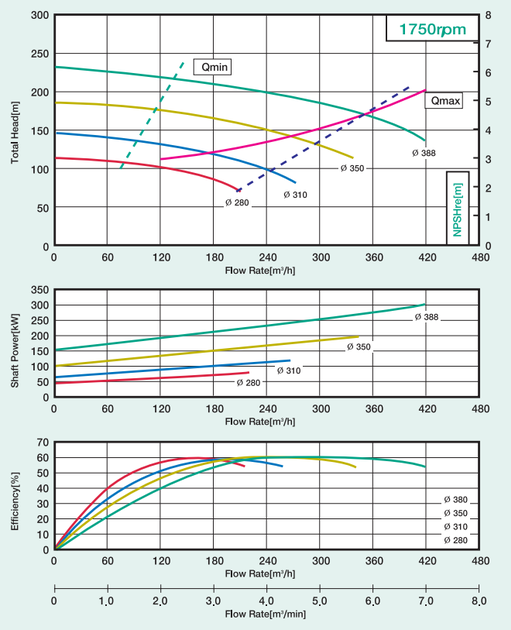

## PMV-1205




## PMV-1502




## PMV-1503

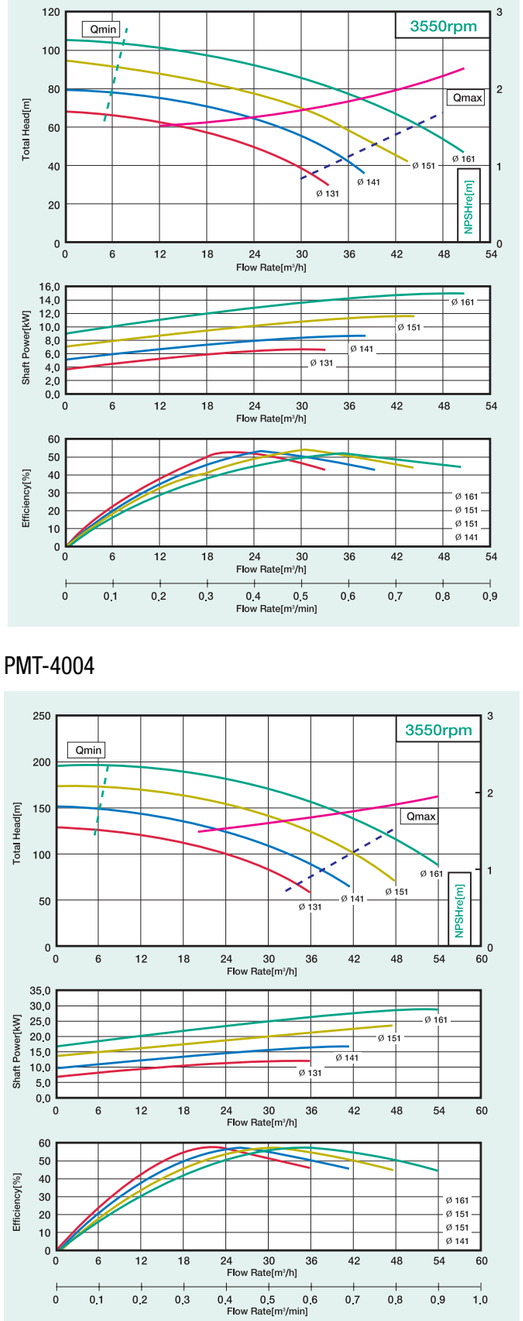


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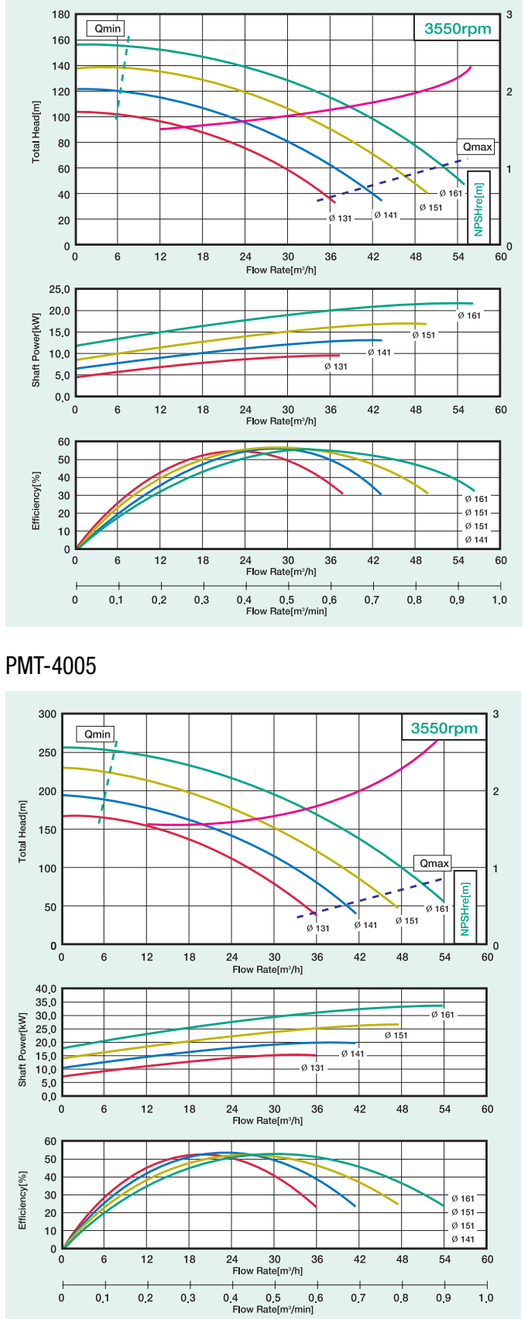


Performance Curve 4pole

## PMT-4002




## PMT-4003




## PMT-4004




## PMT-4005

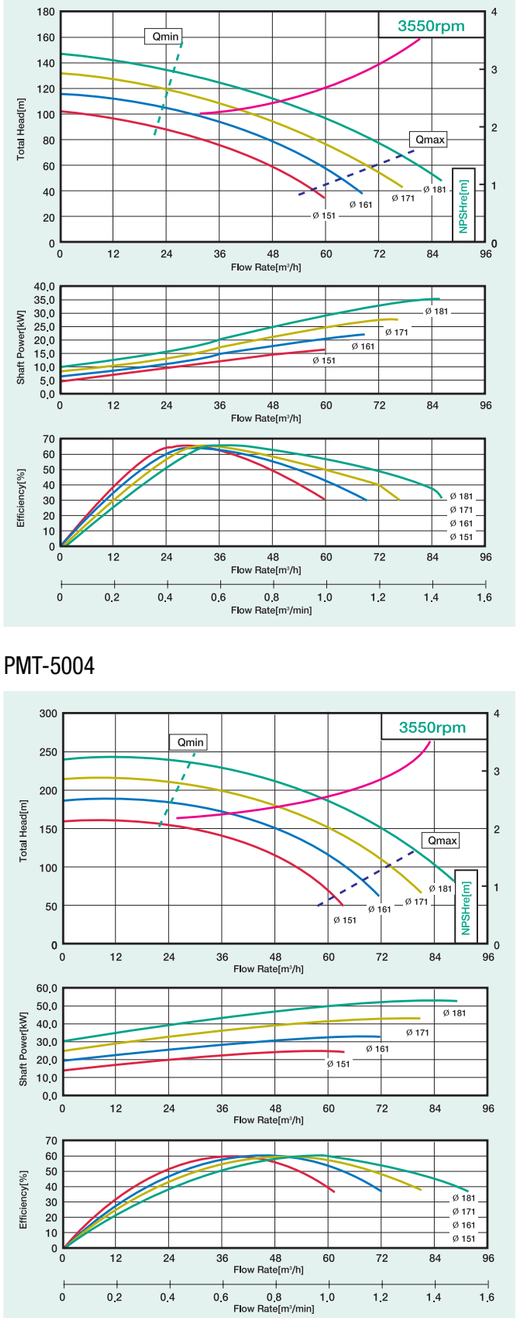




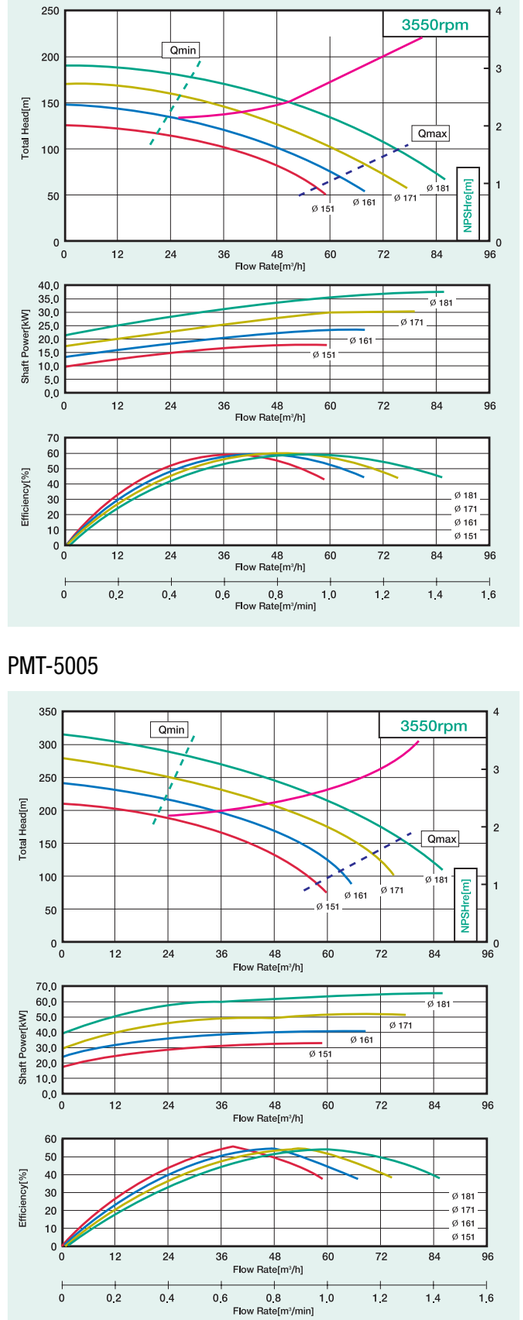



Performance Curve 2pole

## PMT-5002




## PMT-5003




## PMT-5004



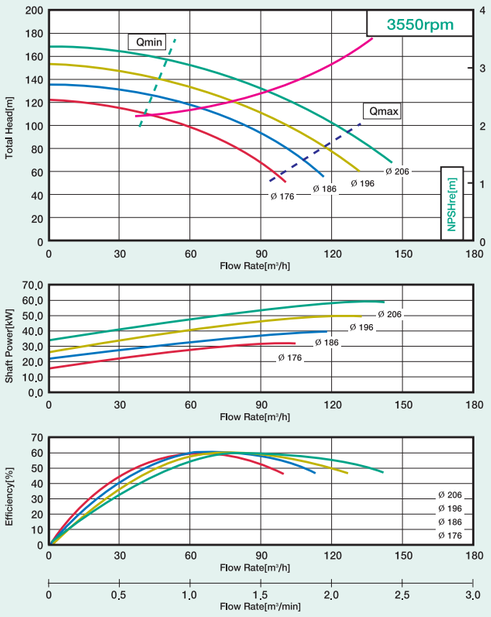

## PMT-5005

# Ring Section Pump

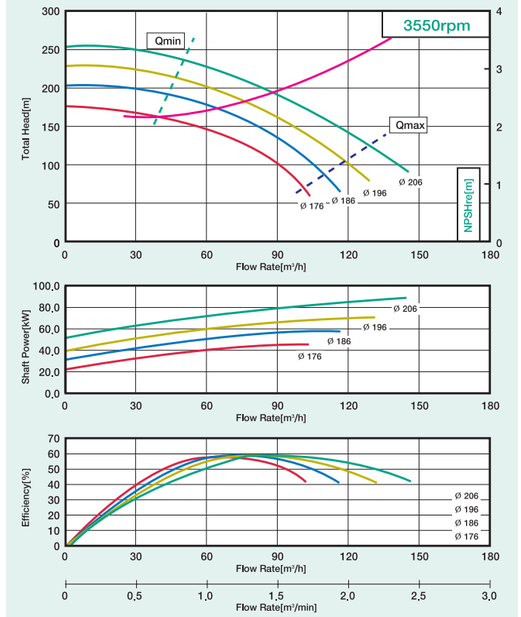
## Multi-Stage Pumps

Performance Curve 2pole

PMT-6502




PMT-6503

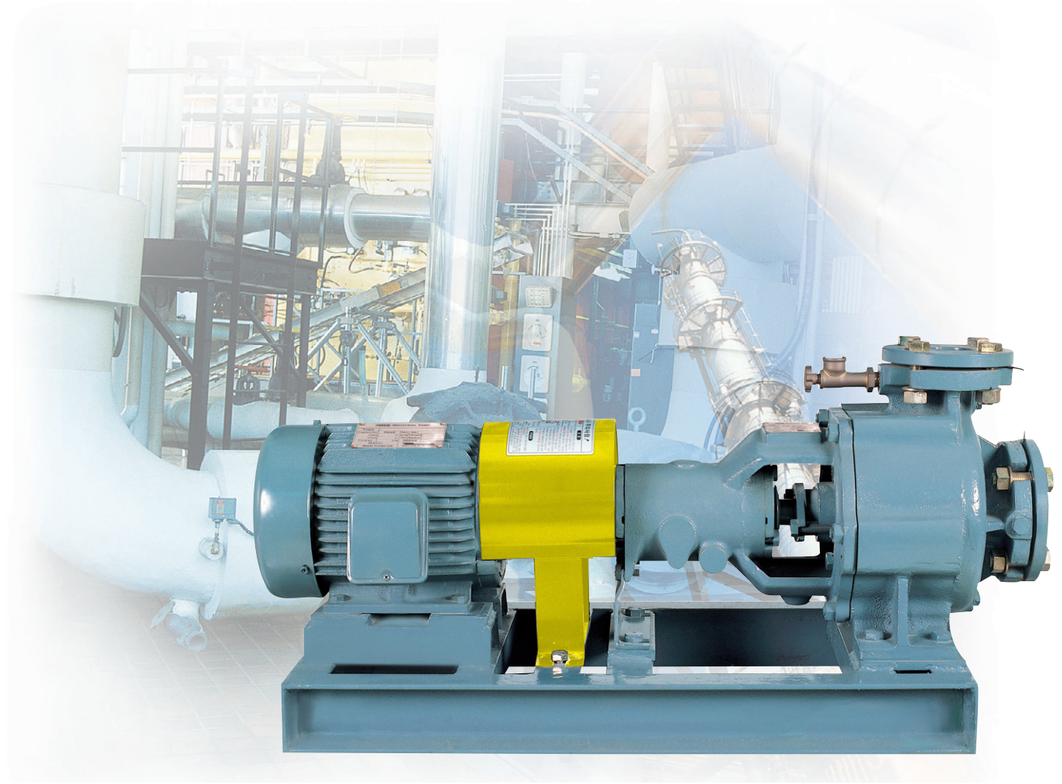





# Vortex Pump

## PVH Series

Product Introduction



### Design and Structural Features

1. Back pull-out for easy maintenance
2. Volute casing avoids possible friction at minimum
3. Top center line discharge: balanced piping
4. Back vaned impeller minimizes axial thrust.

### Strength of PVH Vortex Pump

- Deliver sewage/solid containing liquid
- Possible to pump negative suction
- Vortex flow will minimize damage on solid
- Good lifecycle
- Shaft sleeve protects shaft for longer lifecycle
- Teflon Gland Packing ensures a long lifecycle

### Application

- Pulp, Sludge, Sanitation, Sewage

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## Condition

### 1. Applicable fluids (Waste water within 0~80°C)

In case of pumping liquid other than water, please contact us for technical clearance.

### 2. Suction condition

Please keep the total suction head or pressure as table below.

#### Allowed value of total suction head

| Fluid temperature | Size of Inlet | Total suction head |
|---|---|---|
| 0°C~40°C | 50 ~ 80mm | Less than -6m |
| | 100 ~ 125mm | Less than -5.5m |

#### Allowed value of Standard suction pressure

Suction pressure must be less than 4kgf/cm² and within [10 - Pump shut-off head Total head / 10 ] kgf/cm². Also, make sure that the suction pressure does not change instantaneously. Please refer to our office for other conditions.

### 3. Important operating condition

In case of very frequent operation by automatic controller, material of impeller shall be bronze or above (such as stainless steel). And please make sure that number of operation shall not exceed 12times an hour. Please minimize friction loss at inlet piping to avoid water hammer

## Options

1. Sealing: G/P or M/Seal
2. Lubrication of bearing
3. Material of construction: Cast Iron / Bronze / Stainless Steel

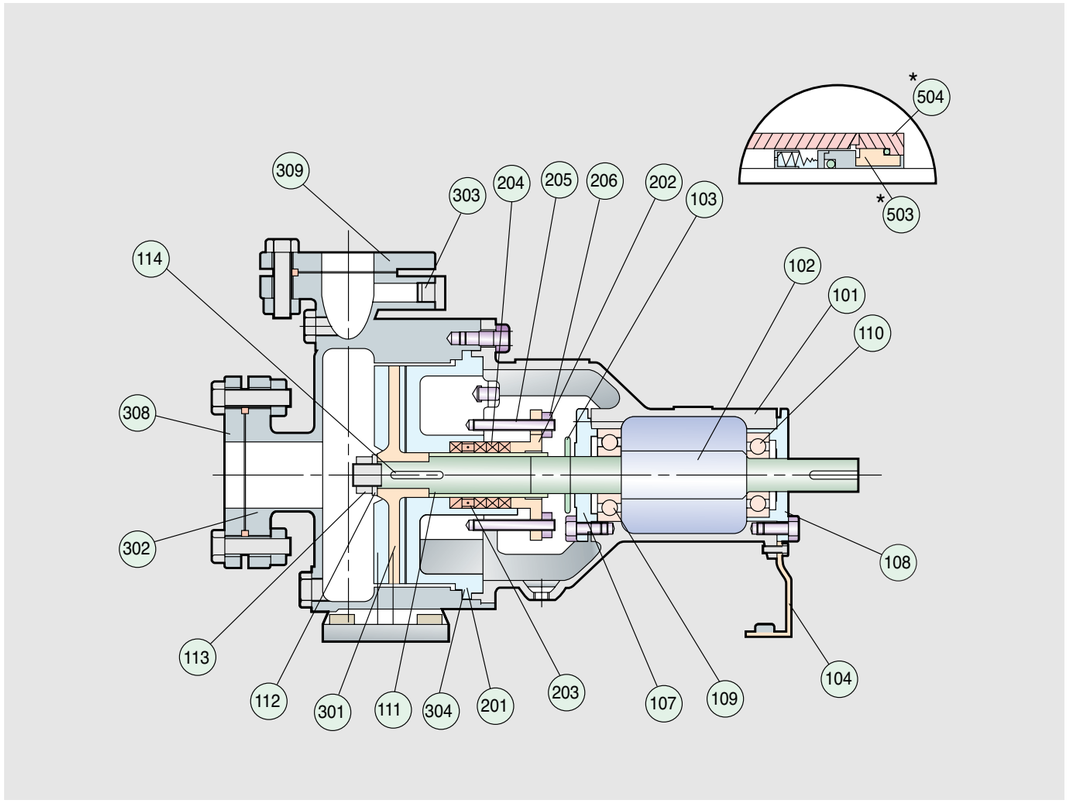
## Standard Specification

| Classification | | PVH (horizontal vortex) |
|---|---|---|
| Pumping Liquid | Type | Domestic sewage, waste water |
| | Size | 80% of Outlet size |
| | Temperature | 0~80°C |
| Max. Operating pressure | | 10kgf/cm² |
| Minimum flow rate | | 15% of Best efficiency point |
| Structure | Impeller | Semi-Open |
| | Stuffing Box | Gland Packing |
| | Bearing | Shielded Ball Bearing |
| | Flange | 10kgf/cm², FF Type |
| | Nozzel Position | End Suction, Top Discharge |
| Accessories | | Priming Cock, Common Base, Coupling, Coupling Guard, Drain & Air-Vent Plug |





## Sectional Drawing




*Option parts

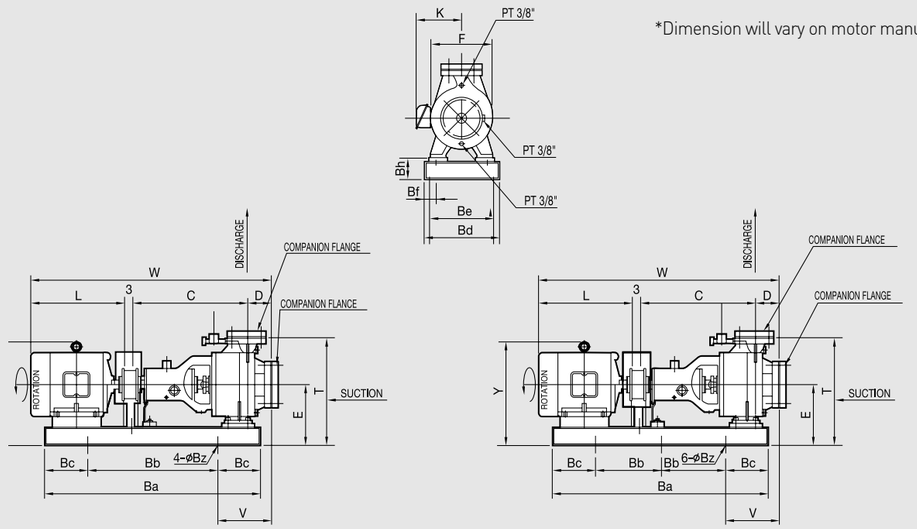
| No. | Parts | Material | QTY |
|---|---|---|---|
| 101 | B/R HOUSING | GC200 | 1 |
| 102 | SHAFT | SM45C | 1 |
| 103 | DEFLECTOR | NBR | 1 |
| 104 | SUPPORT | SS400 | 1 |
| 107 | BEARING COVER(A) | GC200 | 1 |
| 108 | BEARING COVER(B) | GC200 | 1 |
| 109 | BALL BEARING(A) | STB2 | 1 |
| 110 | BALL BEARING(B) | STB2 | 1 |
| 111 | SLEEVE | STS304 | 1 |
| 112 | IMPELLER WASHER | STS304 | 1 |
| 113 | IMPELLER NUT | SS400 | 1 |
| 114 | IMPELLER KEY | SM45C | 1 |
| 201 | CASING COVER | GC200 | 1 |

| No. | Parts | Material | QTY |
|---|---|---|---|
| 202 | GLAND | GC200 | 1 |
| 203 | LANTERN RING | NORYL/BC6 | 1 |
| 204 | GLAND PACKING | TEFLON | 4 |
| 205 | GLAND BOLT | STS304 | 2 |
| 206 | HEX NUT | C3602BD | 2 |
| 301 | IMPELLER | GC200 | 1 |
| 302 | CASING | GC200 | 1 |
| 303 | PLUG | SS400 | 1 |
| 304 | CASING GASKET | NBR | 1 |
| 308 | FLANGE | SS400 | 1 |
| 309 | FLANGE | SS400 | 1 |
| *503 | MECHANICAL SEAL | | 1 |
| *504 | M/SEAL COVER | SM45C | 1 |

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## Outline dimensions - Complete Pump




〈FIG A〉 〈FIG B〉

*Dimension will vary on motor manufacturer.

(Unit : mm)

| MODEL | Motor | | | Bore(mm) | | C | D | E | F | L | T | Y | V | W | K | Ba | Bb | Bc | Bd | Be | Bh | Bf | Bz | MOTOR WT.(kg) | TOTAL WT.(kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rating | Fig | Fr.No. | inlet | outlet | | | | | | | | | | | | | | | | | | | | |
| PVH-5040B | 1.5kW×4P | A | 90L | 50 | 40 | 410 | 80 | 217 | 232 | 317 | 377 | 313 | 195 | 810 | 166 | 700 | 450 | 125 | 350 | 315 | 85 | 40 | 15 | 24 | 94 |
| | 2.2kW×4P | A | 100L | 50 | 40 | 410 | 80 | 217 | 232 | 358 | 377 | 359 | 195 | 851 | 187 | 750 | 500 | 125 | 290 | 255 | 85 | 40 | 15 | 34 | 105 |
| PVH-5040C | 2.2kW×4P | A | 100L | 50 | 40 | 410 | 80 | 245 | 284 | 358 | 425 | 387 | 195 | 851 | 187 | 750 | 500 | 125 | 350 | 315 | 85 | 40 | 15 | 34 | 108 |
| | 3.7kW×4P | A | 112M | 50 | 40 | 410 | 80 | 245 | 284 | 369 | 425 | 407 | 195 | 862 | 187 | 750 | 500 | 125 | 350 | 315 | 85 | 40 | 15 | 42 | 116 |
| PVH-6550C | 3.7kW×4P | A | 112M | 65 | 50 | 420 | 100 | 245 | 284 | 369 | 445 | 407 | 220 | 892 | 187 | 750 | 500 | 125 | 350 | 315 | 85 | 40 | 15 | 42 | 120 |
| | 5.5kW×4P | A | 132S | 65 | 50 | 420 | 100 | 245 | 284 | 444 | 445 | 424 | 235 | 967 | 213 | 800 | 500 | 150 | 350 | 315 | 85 | 40 | 15 | 61 | 145 |
| PVH-6550D | 7.5kW×4P | A | 132M | 65 | 50 | 419 | 100 | 265 | 355 | 484 | 490 | 444 | 229 | 1006 | 213 | 850 | 550 | 150 | 350 | 315 | 85 | 40 | 15 | 76 | 201 |
| | 11kW×4P | A | 160M | 65 | 50 | 419 | 100 | 265 | 355 | 595 | 490 | 474 | 254 | 1117 | 265 | 950 | 600 | 175 | 350 | 315 | 85 | 40 | 15 | 107 | 232 |
| PVH-8065C | 5.5kW×4P | A | 132S | 80 | 65 | 430 | 100 | 265 | 286 | 444 | 490 | 444 | 250 | 977 | 213 | 850 | 550 | 150 | 350 | 315 | 85 | 40 | 15 | 61 | 147 |
| | 7.5kW×4P | A | 132M | 80 | 65 | 430 | 100 | 265 | 286 | 484 | 490 | 444 | 250 | 1017 | 213 | 850 | 550 | 150 | 350 | 315 | 85 | 40 | 15 | 76 | 159 |
| | 11kW×4P | A | 160M | 80 | 65 | 430 | 100 | 265 | 286 | 595 | 490 | 474 | 275 | 1128 | 265 | 950 | 600 | 175 | 350 | 315 | 85 | 40 | 15 | 107 | 190 |
| PVH-8065D | 11kW×4P | B | 160M | 80 | 65 | 553 | 100 | 310 | 374 | 595 | 560 | 519 | 243 | 1251 | 265 | 1100 | 400 | 150 | 440 | 395 | 110 | 50 | 19 | 107 | 240 |
| | 15kW×4P | B | 160L | 80 | 65 | 553 | 100 | 310 | 374 | 639 | 560 | 519 | 243 | 1295 | 265 | 1100 | 400 | 150 | 440 | 395 | 110 | 50 | 19 | 122 | 255 |
| | 18.5kW×4P | B | 180M | 80 | 65 | 553 | 100 | 310 | 374 | 645 | 560 | 556 | 243 | 1301 | 288 | 1100 | 400 | 150 | 440 | 395 | 110 | 50 | 19 | 193 | 323 |
| PVH-1080C | 11kW×4P | B | 160M | 100 | 80 | 557 | 125 | 290 | 296 | 595 | 540 | 468 | 272 | 1280 | 265 | 1100 | 400 | 150 | 440 | 395 | 110 | 50 | 19 | 107 | 197 |
| | 15kW×4P | B | 160L | 100 | 80 | 557 | 125 | 290 | 296 | 639 | 540 | 468 | 272 | 1324 | 265 | 1100 | 400 | 150 | 440 | 395 | 110 | 50 | 19 | 122 | 212 |
| PVH-1080D | 18.5kW×4P | B | 180M | 100 | 80 | 568 | 125 | 310 | 346 | 645 | 590 | 490 | 266 | 1341 | 288 | 1100 | 400 | 150 | 440 | 395 | 110 | 50 | 19 | 180 | 316 |
| | 22kW×4P | B | 180M | 100 | 80 | 568 | 125 | 310 | 346 | 645 | 590 | 490 | 266 | 1341 | 288 | 1100 | 400 | 150 | 440 | 395 | 110 | 50 | 19 | 192 | 328 |
| PVH-1210D | 22kW×4P | B | 180M | 125 | 100 | 568 | 140 | 335 | 345 | 645 | 615 | 581 | 264 | 1356 | 286 | 1150 | 450 | 125 | 440 | 395 | 110 | 50 | 19 | 192 | 335 |
| | 30kW×4P | B | 180L | 125 | 100 | 568 | 140 | 335 | 345 | 718 | 615 | 581 | 264 | 1429 | 286 | 1150 | 450 | 125 | 440 | 395 | 110 | 50 | 19 | 255 | 398 |





1750RPM (60Hz, 4P)

| H / Q | 3 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | 114 | 120 | 138 | 156 | 180 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | 8065D 15 2,9 | 8065D 15 2,7 | 8065D 15 2,6 | | | | | | | | | | | | | | | |
| 30 | | | | | | | 8065D 11 2,6 | 8065D 15 2,6 | 8065D 15 2,6 | 8065D 15 2,4 | 8065D 15 2,4 | 8065D 15 2,4 | 8065D 18,5 2,4 | 8065D 18,5 2,4 | 8065D 18,5 2,4 | 8065D 18,5 2,4 | 1080D 22 2,4 | 1080D 22 2,4 | 1080D 22 2,4 | | 1210D 30 2,4 | | | |
| 28 | | | | | 6550D 7,5 1,6 | 6550D 11 2,1 | 8065D 11 1,4 | 8065D 15 2,6 | 8065D 15 2,6 | 8065D 15 2,4 | 8065D 15 2,4 | 8065D 15 2,3 | 8065D 15 2,3 | 8065D 18,5 2,4 | 8065D 18,5 2,4 | 8065D 18,5 2,4 | 1080D 22 2,4 | 1080D 22 2,4 | 1080D 22 2,4 | 1080D 22 2,5 | 1080D 22 2,5 | 1210D 37 2,5 | 1210D 37 2,5 | |
| 26 | | | | | 6550D 7,5 1,6 | 6550D 7,5 1,5 | 6550D 11 1,4 | 6550D 11 1,3 | 8065D 11 2,6 | 8065D 11 2,4 | 8065D 15 2,4 | 8065D 15 2,4 | 8065D 15 2,4 | 8065D 18,5 2,4 | 8065D 18,5 2,4 | 8065D 18,5 2,4 | 8065D 18,5 2,5 | 1080D 22 2,4 | 1080D 22 2,4 | 1080D 22 2,5 | 1080D 22 2,5 | 1210D 30 2,5 | 1210D 30 2,5 | 1210D 37 2,6 |
| 24 | | | | | 6550D 7,5 1,6 | 6550D 7,5 1,5 | 6550D 11 1,4 | 6550D 11 1,3 | 8065D 11 2,6 | 8065D 11 2,5 | 8065D 11 2,5 | 8065D 15 2,5 | 8065D 15 2,5 | 8065D 15 2,5 | 8065D 15 2,5 | 8065D 15 2,5 | 8065D 18,5 2,5 | 8065D 18,5 2,5 | 1080D 18,5 2,4 | 1080D 18,5 2,5 | 1080 0D 22 2,5 | 1210D 30 2,5 | 1210D 30 2,5 | 1210D 37 2,6 |
| 22 | | | | | 6550D 7,5 1,6 | 6550D 7,5 1,5 | 6550D 7,5 1,4 | 6550D 7,5 1,4 | 8065D 11 2,6 | 8065D 11 2,5 | 8065D 11 2,5 | 8065D 11 2,5 | 8065D 11 2,5 | 8065D 15 2,5 | 8065D 15 2,5 | 8065D 15 2,5 | 8065D 15 2,5 | 8065D 15 2,5 | 1080D 18,5 2,4 | 1080D 18,5 2,5 | 1080D 22 2,5 | 1210D 30 2,5 | 1210D 30 2,5 | 1210D 30 2,6 |
| 20 | 5040C 3,7 3,9 | 5040C 3,7 3,9 | | 6550D 7,5 2,0 | 6550D 7,5 1,6 | 6550D 7,5 1,4 | 6550D 7,5 1,4 | 6550D 7,5 1,4 | 8065D 11 2,6 | 8065D 11 2,5 | 8065D 11 2,5 | 8065D 11 2,5 | 8065D 11 2,5 | 8065D 11 2,5 | 8065D 15 2,5 | 8065D 15 2,5 | 8065D 15 2,5 | 8065D 15 2,5 | 1080D 18,5 2,4 | 1080D 18,5 2,5 | 1210D 22 2,4 | 1210D 22 2,5 | 1210D 30 2,5 | 1210D 30 2,6 |
| 18 | 5040C 2,2 3,5 | 5040C 2,2 3,2 | 5040C 3,7 2,6 | 6550C 3,7 2,0 | 6550C 5,5 2,0 | 6550C 5,5 2,1 | 6550D 7,5 1,4 | 8065C 7,5 2,6 | 8065C 7,5 2,7 | 8065C 7,5 2,9 | 8065C 7,5 3,0 | 8065D 11 2,5 | 8065D 11 2,5 | 8065D 11 2,5 | 8065D 11 2,5 | 8065D 11 2,5 | 1080C 15 2,3 | 1080C 18 2,4 | 1080D 15 2,4 | 1080D 15 2,5 | 1210D 15 2,5 | 1210D 22 2,5 | 1210D 22 2,5 | 1210D 30 2,6 |
| 16 | 5040C 2,2 3,5 | 5040C 2,2 3,2 | 5040C 2,2 2,4 | 5040C 3,7 2,4 | 6550C 3,7 2,2 | 6550C 5,5 2,1 | 6550C 5,5 1,9 | 8065C 5,5 2,5 | 8065C 5,5 2,7 | 8065C 7,5 2,9 | 8065C 7,5 3,0 | 8065C 7,5 3,1 | 8065C 11 3,2 | 8065C 11 3,2 | 8065C 11 3,2 | 8065C 11 3,2 | 1080C 15 2,3 | 1080C 15 2,4 | 1080C 15 2,5 | 1080C 15 2,6 | 1080C 15 2,7 | 1210D 18,5 2,5 | 1210D 22 2,5 | |
| 14 | 5040B 1,5 4,5 | 5040B 1,5 4,5 | 5040C 2,2 2,4 | 5040C 3,7 2,4 | 6550C 3,7 2,2 | 6550C 5,5 2,1 | 6550C 5,5 2,1 | 6550C 5,5 2,1 | 8065C 5,5 2,7 | 8065C 5,5 2,8 | 8065C 7,5 3,0 | 8065C 7,5 3,1 | 8065C 7,5 3,1 | 8065C 11 3,1 | 8065C 11 3,1 | 8065C 11 3,1 | 1080C 11 2,3 | 1080C 15 2,4 | 1080C 15 2,5 | 1080C 15 2,6 | 1080C 15 2,7 | 1080C 15 2,8 | | |
| 12 | 5040B 1,5 4,5 | 5040B 1,5 4,0 | 5040B 2,2 3,4 | 5040C 3,7 3,4 | 6550C 3,7 2,2 | 6550C 3,7 2,1 | 6550C 3,7 2,1 | 6550C 5,5 2,1 | 8065C 5,5 2,7 | 8065C 5,5 2,8 | 8065C 5,5 2,9 | 8065C 5,5 3,1 | 8065C 7,5 3,1 | 8065C 7,5 3,1 | 8065C 7,5 3,1 | 8065C 11 3,1 | 1080C 11 2,3 | 1080C 11 2,4 | 1080C 11 2,5 | 1080C 15 2,6 | 1080C 15 2,7 | 1080C 15 2,8 | | |
| 10 | 5040B 1,5 4,5 | 5040B 1,5 4,0 | 5040B 2,2 3,4 | 5040B 2,2 2,4 | 6550C 3,7 2,2 | 6550C 3,7 2,1 | 6550C 3,7 2,1 | | | | | | 8065C 5,5 3,1 | 8065C 7,5 3,1 | 8065C 7,5 3,1 | 8065C 11 3,1 | | | | | | | | |
| 8 | | | 5040B 1,5 3,4 | 5040B 1,5 2,4 | 5040B 2,2 2,7 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | 5040B 1,5 2,4 | | | | | | | | | | | | | | | | | | | | |

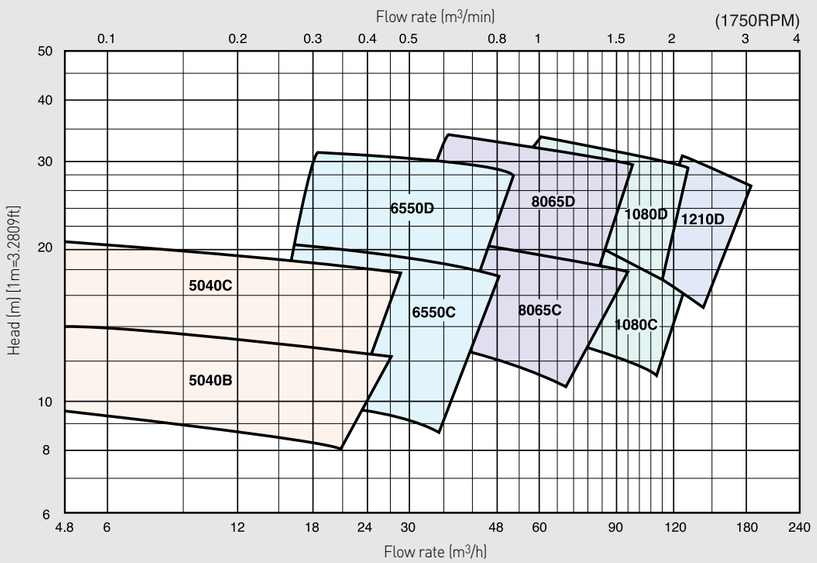
* H in m, Q in $m^3/h$

* 5040B 1.5 4.5 means Pump Model / Motor Rating(kW), NPSHre(m)

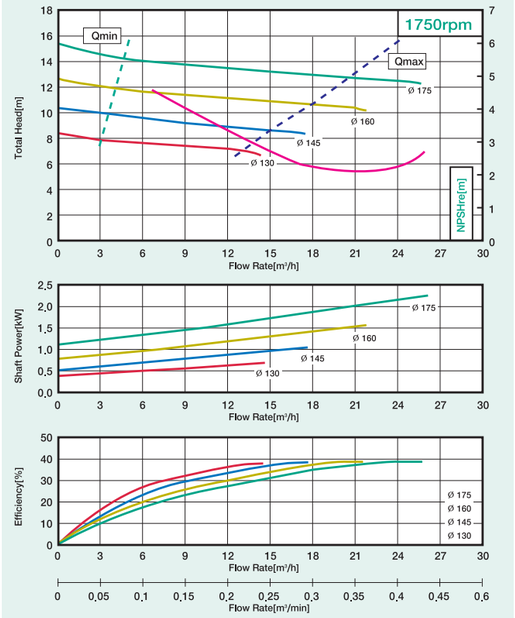
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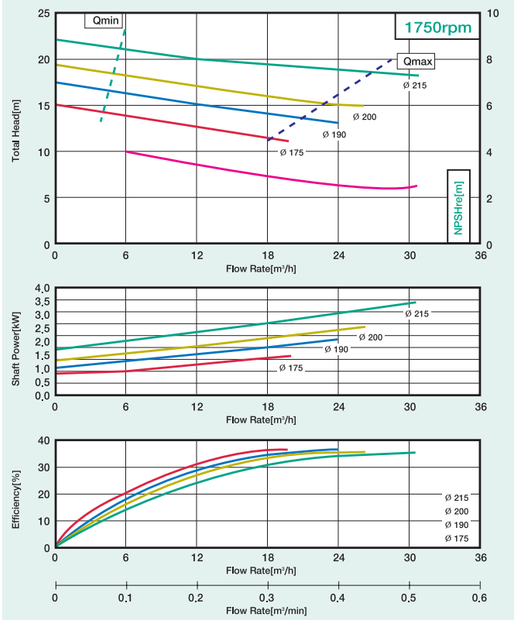
## Selection Chart




## PVH-5040B




## PVH-5040C







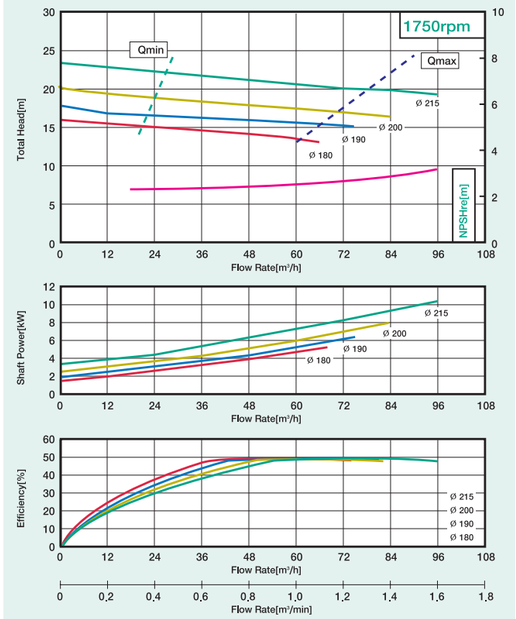

## PVH-6550C



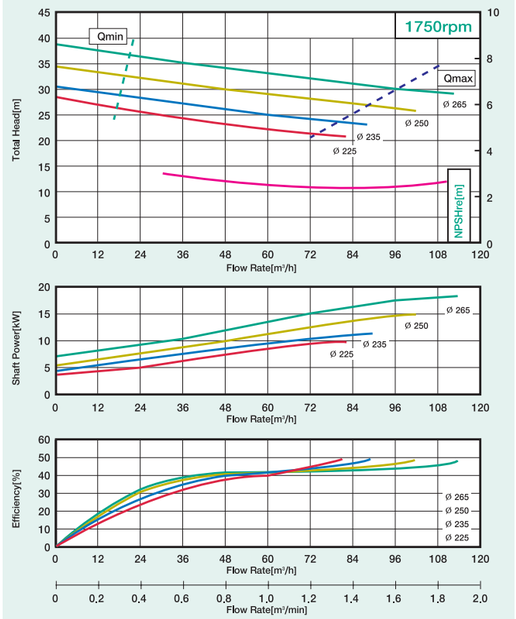

## PVH-6550D




## PVH-8065C




## PVH-8065D

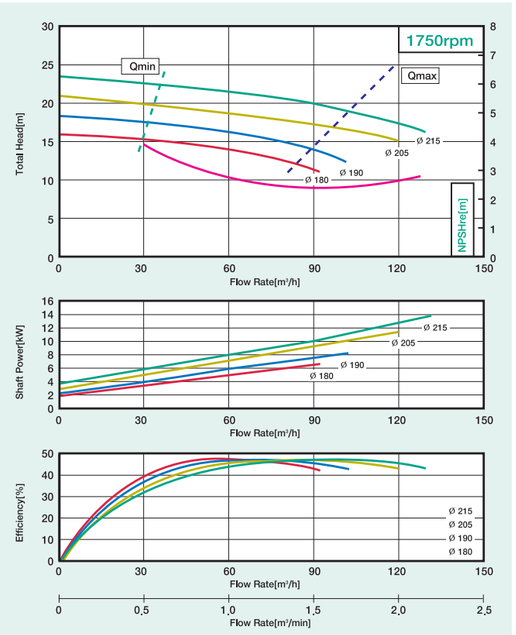


# Vortex Pump

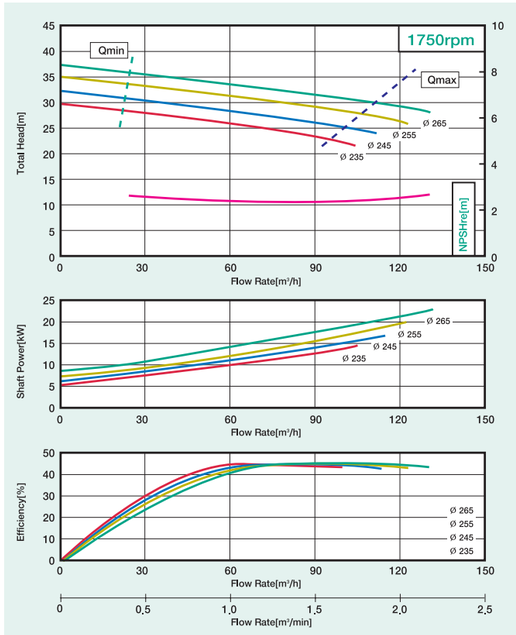
## PVH Series

Performance Curve 4pole

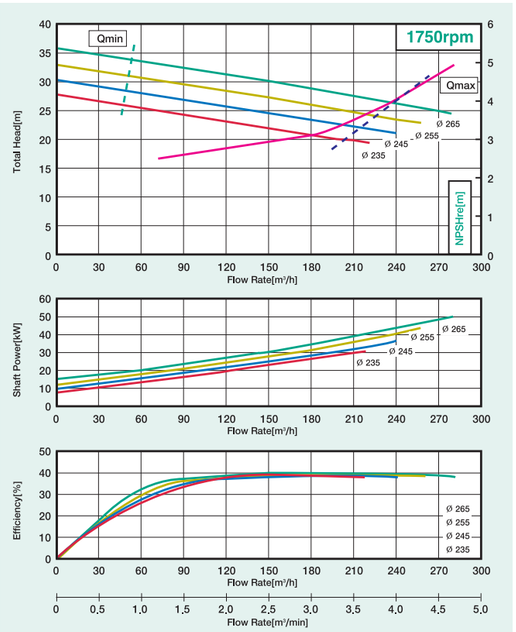
### PVH-1080C




### PVH-1080D




### PVH-1210D








# Westco Pump

## PSW Series

Product Introduction




## Design and structural features

1. Compact Design

2. Excellent endurance and long life time
   Less abrasion of impeller by reduced axial thrust.
   Stainless steel shaft for long lifetime
   Ball bearings for constant lubrication

3. Easy maintenance/service and no lubrication is necessary for ball bearing.

## Fluid

clean water within 0~60° C, ph6-8

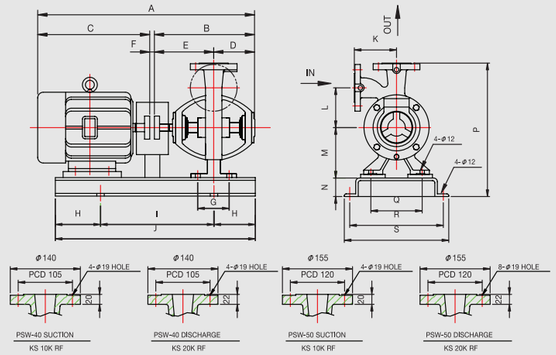
## Application

- Boiler feed water
- Sprinkler
- Jockey Pump
- General water supply in all application

## Pump specification

| MODEL | Bore(mm) | | Motor rating (HP) | Flow rate ($m^3/h$) | Head (m) | Total Weight (kg) |
|---|---|---|---|---|---|---|
| | inlet | outlet | | | | |
| PSW-4003 | 40 | 40 | 3 | 3.6 | 38 | 60 |
| PSW-4005 | | | 5 | 3.6 | 80 | 68 |
| PSW-4008 | | | 7.5 | 3.6 | 105 | 90 |
| PSW-4010 | | | 10 | 3.6 | 120 | 104 |
| PSW-5005 | 50 | 50 | 5 | 15.6 | 35 | 80 |
| PSW-5008 | | | 7.5 | 12.6 | 65 | 102 |
| PSW-5010 | | | 10 | 9 | 95 | 112 |
| PSW-5015 | | | 15 | 3.6 | 130 | 145 |
| PSW-5020 | | | 20 | 3.6 | 140 | 171 |

## Outline dimensions




### ※ Model Designation

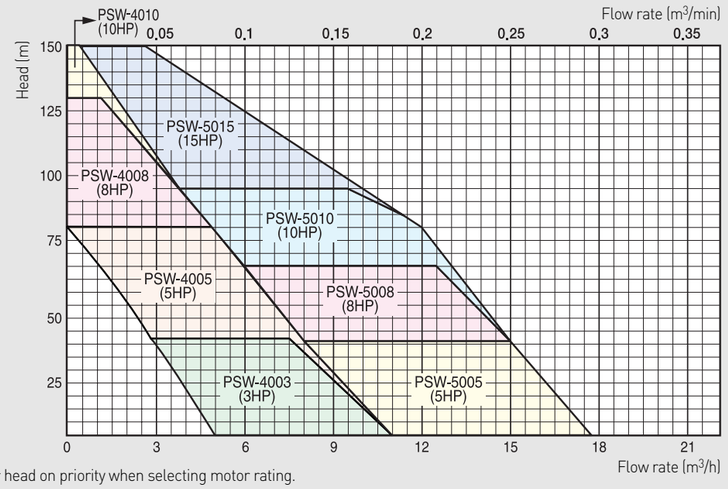
PSW — 40 | 05
① ② ③

① Single Stage Westco Pump
② Inlet / Outlet size (40:40mm, 50:50mm)
③ Motor rating (03:3HP, 05:5HP. 08:7.5HP, 10:10HP, 15:15HP, 20:20HP)
M/SEAL Size
PSW-40: ø 20, PSW-50: ø 25

(Unit : mm)

| MODEL | A | B | C | D | E | F | G | H | I | J | K | L | M | N | P | Q | R | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PSW-4003 | 677 | 319 | 358 | 128 | 191 | 0(3) | 90 | 100 | 450 | 650 | 135 | 125 | 112 | 40 | 350 | 190 | 320 | 360 |
| PSW-4005 | 688 | | 369 | | | | | | | | | | | | | | | |
| PSW-4008 | 762 | | 443 | | | | | | | | | | 112+20 | | 370 | | | |
| PSW-4010 | 803 | | 484 | | | | | | | | | | | | | | | |
| PSW-5005 | 703 | 334 | 369 | 143 | | | | | | | 140 | 132 | 132 | | 386 | | | |
| PSW-5008 | 777 | | 443 | | | | | | | | | | | | | | | |
| PSW-5010 | 818 | | 484 | | | | | | | | | | | | | | | |
| PSW-5015 | 932 | | 595 | | | 3 | | 150 | 500 | 800 | | | | 113 | 459 | | 335 | 370 |
| PSW-5020 | 976 | | 639 | | | | | | | | | | | | | | | |

## Selection chart

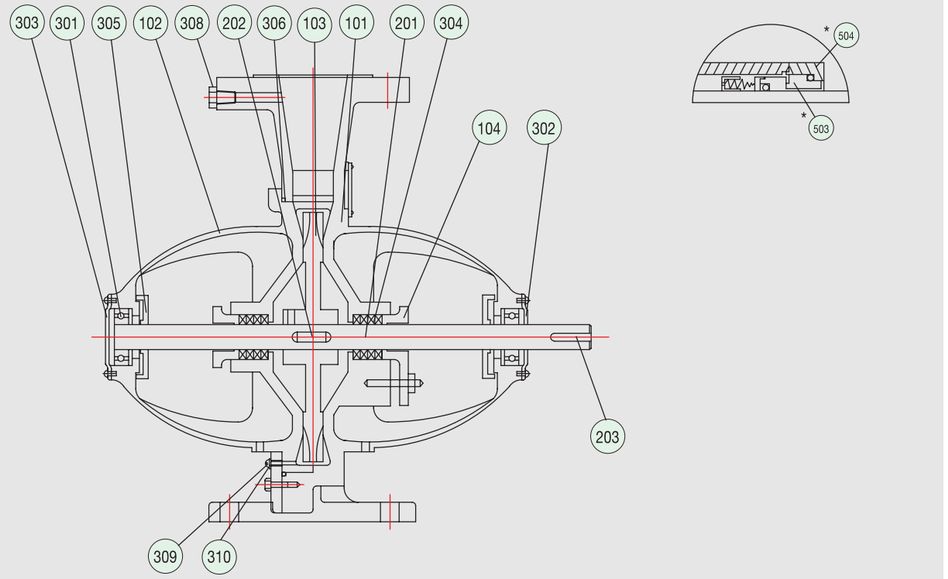



※ Please consider head on priority when selecting motor rating.





## Sectional drawing




*Option parts

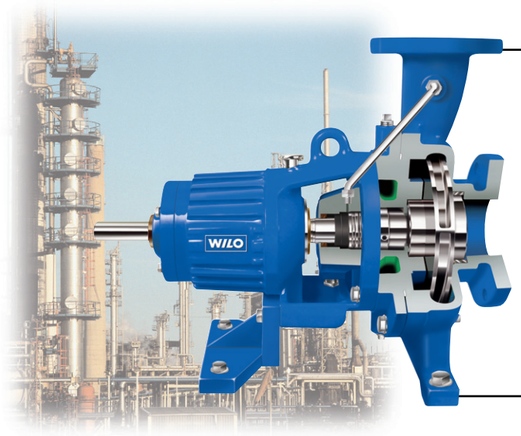
| No. | Parts | Material | QTY |
|---|---|---|---|
| 101 | CASING | GC200 | 1 |
| 102 | CASING COVER | GC200 | 1 |
| 103 | IMPELLER | C3771BD | 1 |
| 104 | GLAND | GC200 | 2 |
| 201 | SHAFT | STS410 | 1 |
| 202 | SHAFT KEY | SM45C | 1 |
| 203 | COUPLING KEY | SM45C | 1 |
| 301 | BALL BEARING) | STB2 | 2 |
| 302 | BEARING COVER(A) | SCP1 | 1 |
| 303 | BEARING COVER(B) | SCP1 | 1 |
| 304 | GLAND PACKING | TEFLON | 2SET |
| 305 | DEFLECTOR | NR | 2 |
| 306 | CASING "O" RING | NBR | 1 |
| 308 | PLUG | C3602BD | 2 |
| 309 | DRAIN SCREW | NSWR3 | 1 |
| 310 | DRAIN PACKING | NBR | 1 |
| *401 | MECHANICAL SEAL | | 2 |
| *402 | M/SEAL COVER | SM45C | 2 |

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# ANSI Process Pump

## PCP Series

Product Introduction



### ■ ANSI Process Pump Application

- Chemical Industry
- Petroleum Refinery
- Petrochemical Industry
- Industrial Plant

## Application and Features

It is suitable for chemical industry, Petroleum Refinery, Petrochemical Industry
And various industrial plants.

**1. Meeting major requirement of API610**

**2. High Efficiency and low stuffing box pressure (long lifecycle of M/Seal)**

**3. Easy maintenance**
- Back pull-out
- No bearing housing adapter for easier alignment
- Wear ring on casing will save lifecycle
- Labryinth type bearing housing sealing ensures longer lifecycle

**4. Hydraulic Radial Balance:**
- Double volute casing is applied for outlet size above 4”

**5. Stuffing Box Jacket : No welding required**

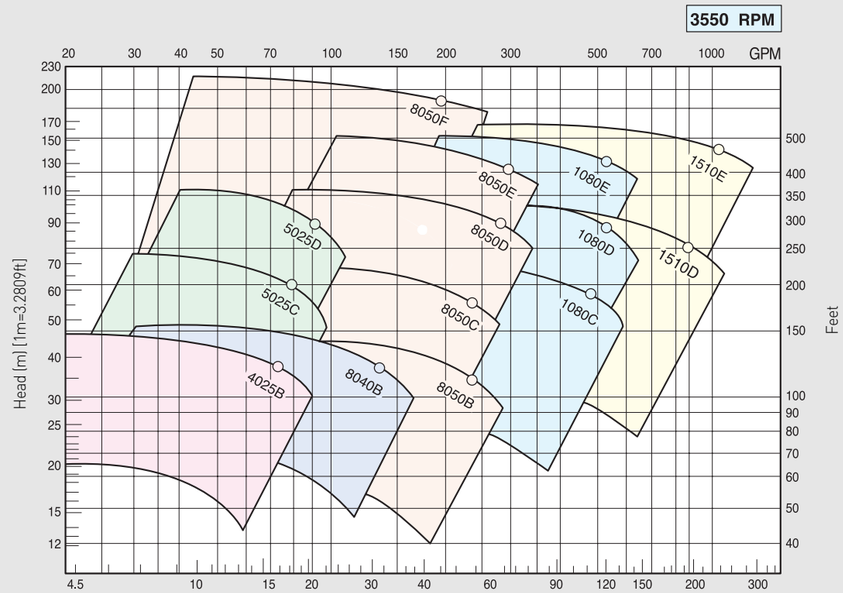
| | | | |
|---|---|---|---|
| Operating Condition | Capacity | | 680m³/hr (3000 US GPM) |
| | Total Head | | 12~210m (40~689 FT) |
| | Max. Design Pressure | | 31.6kgf/cm2 (400 psi) |
| | Impeller | | Closed Type |
| | Temperature | | ~120° C ( ~248° F) |
| | Flange Rating | (Stainless)Steel | ANSI 150 lbs x RF / 300 lbs x RF |

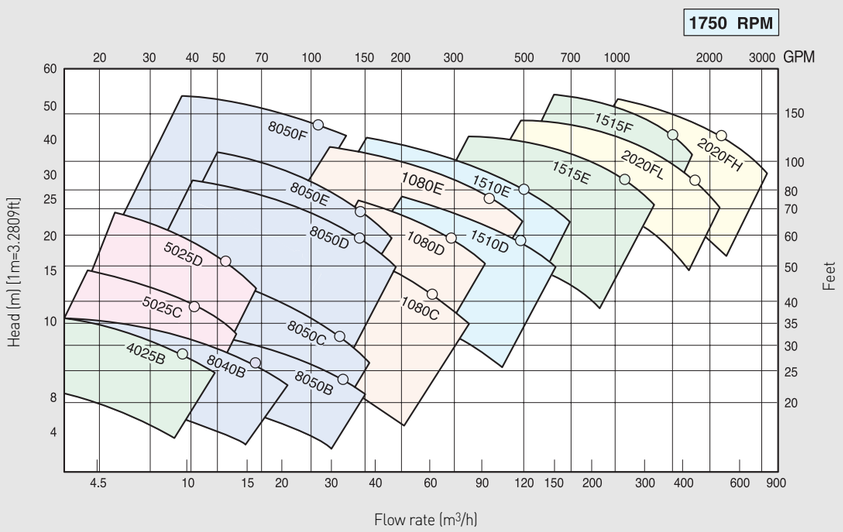


ANSI Process Pump

PCP Series

Selection Chart



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Unit : mm(inch)

| MODEL | BEARING HOUSING ASSEMBLY NO. | Bore | | Casing Thickness (Min) | Corrosion Allowable | Max. hydrostatic test(10min) | B/R ASM weight including impeller & casing cover |
|---|---|---|---|---|---|---|---|
| | | inlet | outlet | | | cast steel | |
| 4025 B | "06" | 40(1 1/2) | 25(1) | 9.5(3/8) | 6.4(1/4) | 31.6Kgf/cm² (450 lbf/in²) | 24.5kg(54 lb) |
| 8040 B | | 76(3) | 40(1 1/2) | 9.5(3/8) | 6.4(1/4) | | 25kg(55 lb) |
| 8050 B | | 76(3) | 50(2) | 9.5(3/8) | 6.4(1/4) | | 34kg(75 lb) |
| 5025 C | "09" | 50(2) | 25(1) | 9.5(3/8) | 6.4(1/4) | 31.6Kgf/cm² (450 lbf/in²) | 41kg(90 lb) |
| 8050 C | | 76(3) | 50(2) | 9.5(3/8) | 6.4(1/4) | | 49kg(108 lb) |
| 1080 C | | 100(4) | 76(3) | 9.5(3/8) | 6.4(1/4) | | 51kg(112 lb) |
| 5025 D | | 50(2) | 25(1) | 12.7(1/2) | 8(5/16) | | 52.5kg(116 lb) |
| 8050 D | | 76(3) | 50(2) | 12.7(1/2) | 8(5/16) | 31.6Kgf/cm² (450 lbf/in²) | 55.5kg(122 lb) |
| 1080 D | | 100(4) | 76(3) | 12.7(1/2) | 8(5/16) | | 57kg(126 lb) |
| 1510 D | | 150(6) | 100(4) | 12.7(1/2) | 8(5/16) | | 59kg(130 lb) |
| 8050 E | | 76(3) | 50(2) | 12.8(1/2) | 8(5/16) | | 63.5kg(140 lb) |
| 8050 F | | 76(3) | 50(2) | 12.8(1/2) | 8(5/16) | | 66kg(145 lb) |
| 1080 E | | 100(4) | 76(3) | 12.8(1/2) | 8(5/16) | 31.6Kgf/cm (450 lbf/in²) | 66kg(145 lb) |
| 1510 E | "12" | 150(6) | 100(4) | 14.3(9/16) | 8(5/16) | | 68kg(150 lb) |
| 1515 E | | 150(6) | 150(6) | 14.3(9/16) | 8(5/16) | | 72.5kg(160 lb) |
| 1515 F | | 150(6) | 150(6) | 14.3(9/16) | 8(5/16) | | 81.5kg(180 lb) |
| 2020 F | | 200(8) | 200(8) | 14.3(9/16) | 8(5/16) | | 109kg(240 lb) |

■ NOTES : 1. Standard flange rating : ANSI 150#RF.
2. Drection of rotation : clockwise from coupling side.
3. Total weight shall be referred to separate data sheet.

Unit : mm(inch)

| BEARING HOUSING ASSEMBLY NO. | Max. Motor Rating(HP) | STUFFING BOX | | | Gland Packing | | NDE B/R | DE B/R |
|---|---|---|---|---|---|---|---|---|
| | | inner | outer sleeve | depth | QTY | size | | |
| "06" | 40 | 51(2) | 35(1 3/8) | 60(2 5/16) | 7 | 8(5/16) | 6206C3 | 6306NRC3 |
| "09" | 100 | 70(2 3/4) | 50(2) | 76(3) | 7 | 10(3/8) | 6210C3 | 5309ANRC3 |
| "12" | 200 | 90(3 9/16) | 65(2 9/16) | 92(3 5/8) | 7 | 12.5(1/2) | 6214C3 | 5312ANRC3 |

Unit : mm(inch)

| BEARING HOUSING ASSEMBLY NO. | Dimension | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Shaft Diameter | | | | | | Span Diameter | |
| | on impeller | outer sleeve | NDE B/R | DE B/R | between bearing | on coupling | Between B/R | NDE B/R & Impeller |
| "06" | 22(7/8) | 29(19/64) | 30(1 3/16) | 30(1 3/16) | 41(1 5/8) | 24(15/16) | 82(3 1/4) | 173(6 13/16) |
| "09" | 32(1 1/4) | 40(1 37/64) | 50(1 31/32) | 45(1 25/32) | 57(2 1/4) | 29(1 9/64) | 135(5 5/16) | 222(8 3/4) |
| "12" | 48(1 7/8) | 56(1 13/64) | 50(2 3/4) | 60(2 3/8) | 74(2 29/32) | 55(2 3/16) | 165(6 1/2) | 273(10 3/4) |

■ NOTES : Outline dimension shall be referred to separate outline dimension table.



WILO

Pumpen Intelligenz.

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# Split Case pumps

## SCP Series

Product Information

## Product overview





## Design and structural features

1. High efficiency (average of 84%) - Low NPSH and less axial thrust
2. Excellent interchangeability - 67 models in 50Hz & 63 in 60Hz
3. Higher grade of construction - Shaft Sleeve and Bush bearing
4. 16 Bar rating (25Bar as an option)
5. SPM Connection for vibration & temperature sensors
6. Mechanical Seal with flushing
8. ROHS complaint (as an option)
9. Vertical execution (as an option) - SCPV series

## Application

- HVAC
- Municipal application
- Industrial cooling application
- Fire fighting

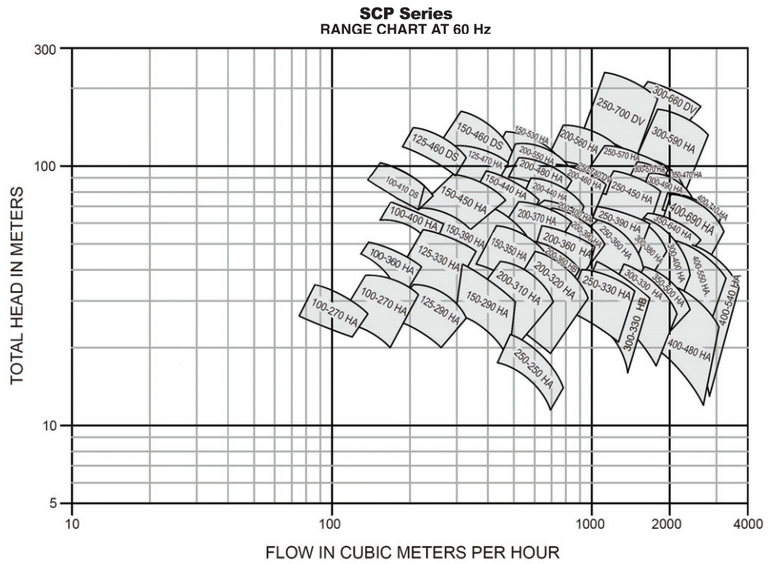
## Fluid

-20~120°C with mechanical seal. -20~105°C with gland packing

## Options

1. Material of construction : Cast Iron, Bronze, Stainless Steel
2. Sealing : Gland packing, Mechanical Seal

## Range chart - SCP Series





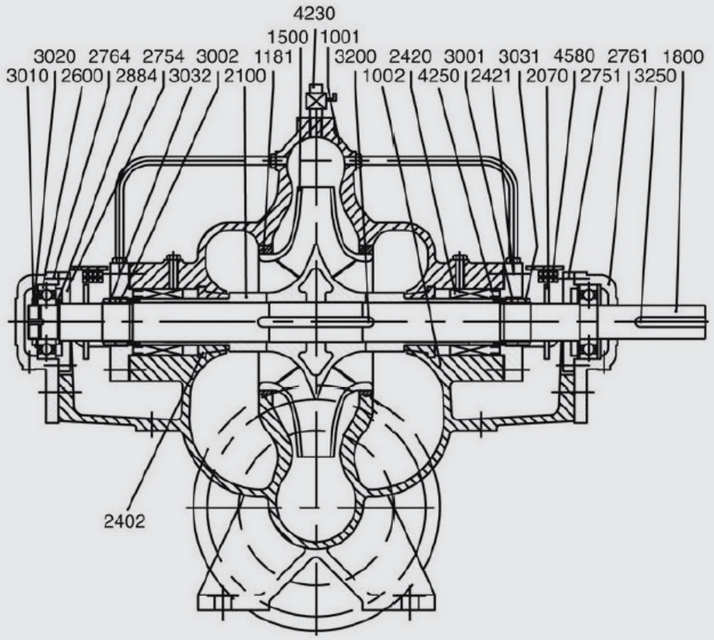

# Split Case pumps

## SCP Series

Sectional drawing

## Sectional drawing - SCP Series

Mechanical seal version single stage :




Part list :

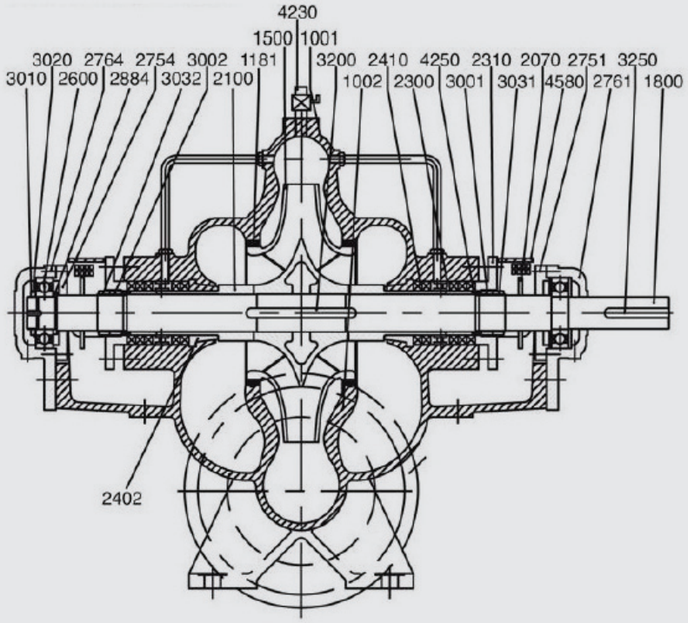
| ITEM | DESCRIPTION | ITEM | DESCRIPTION |
|---|---|---|---|
| 1001 | CASING TOP HALF | 2764 | BEARING HOUSING (N.D.E.) |
| 1002 | CASING BOTTOM HALF | 2884 | THRUST COLLAR |
| 1181 | NECK RING | 3001 | COWL NUT (L.H.) |
| 1500 | IMPELLER | 3002 | COWL NUT (R.H.) |
| 1800 | SHAFT | 3010 | LOCK NUT |
| 2070 | WATER DEFLECTOR | 3020 | LOCKING WASHER |
| 2100 | SHAFT SLEEVE | 3031 | SLEEVE NUT (L.H.) |
| 2402 | STUFFING BOX BUSH | 3032 | SLEEVE NUT (R.H.) |
| 2420 | MECHANICAL SEAL (BALANCED) | 3200 | IMPELLER KEY |
| 2421 | GLAND PLATE (MECHANICAL SEAL COVER) | 3250 | COULPING KEY |
| 2600 | DEEP GROOVE BALL BEARING | 4230 | AIR VENT COCK |
| 2751 | BEARING END COVER (D.E.) | 4250 | O`RING |
| 2754 | BEARING END COVER (N.D.E.) | 4580 | GUARD |
| 2761 | BEARING HOUSING (D.E.) | | |

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## Sectional drawing - SCP Series

Gland packing version single stage :




Part list :

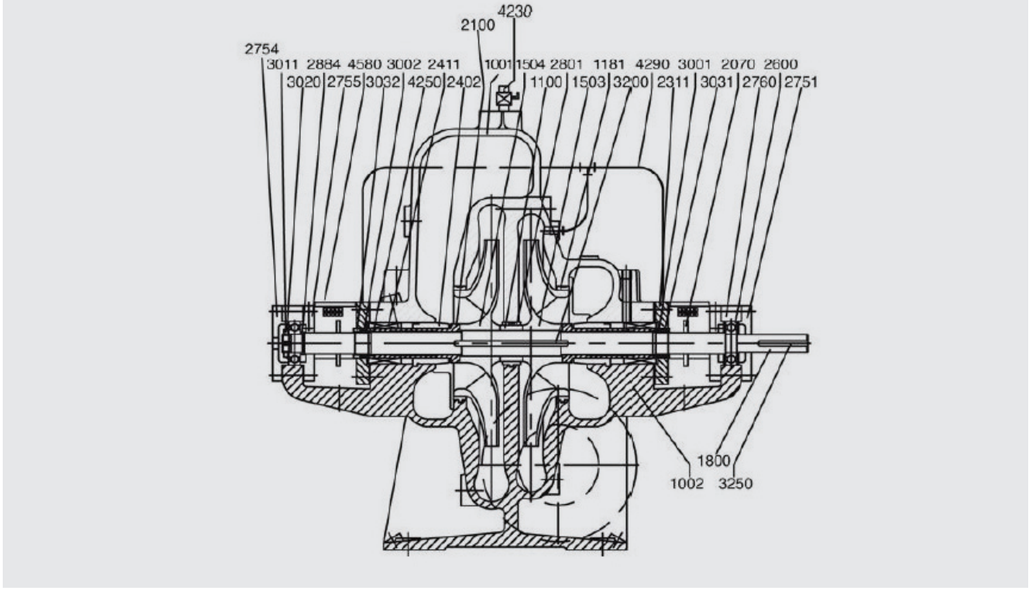
| ITEM | DESCRIPTION | ITEM | DESCRIPTION |
|---|---|---|---|
| 1001 | CASING TOP HALF | 2761 | BEARING HOUSING (D.E.) |
| 1002 | CASING BOTTOM HALF | 2764 | BEARING HOUSING (N.D.E.) |
| 1181 | NECK RING | 2884 | THRUST COLLAR |
| 1500 | IMPELLER | 3001 | COWL NUT (L.H.) |
| 1800 | SHAFT | 3002 | COWL NUT (R.H.) |
| 2070 | WATER DEFLECTOR | 3010 | LOCK NUT |
| 2100 | SHAFT SLEEVE | 3020 | LOCKING WASHER |
| 2300 | LANTENRN RING | 3031 | SLEEVE NUT (L.H.) |
| 2310 | GLAND | 3032 | SLEEVE NUT (R.H.) |
| 2402 | STUFFING BOX BUSH | 3200 | IMPELLER KEY |
| 2410 | GLAND PACKING | 3250 | COULPING KEY |
| 2600 | DEEP GROOVE BALL BEARING | 4230 | AIR VENT COCK |
| 2751 | BEARING END COVER (D.E.) | 4250 | O'RING |
| 2754 | BEARING END COVER (N.D.E.) | 4580 | GUARD |



Split Case pumps
SCP Series
Sectional Drawing

## Sectional drawing - SCP Series

Mechanical seal version double stage :




Part list :

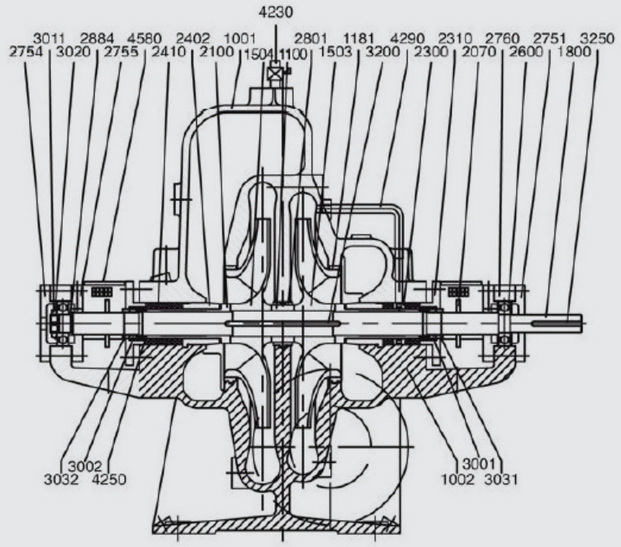
| ITEM | DESCRIPTION | ITEM | DESCRIPTION |
|---|---|---|---|
| 1001 | CASING TOP HALF | 2760 | BEARING HOUSING |
| 1002 | CASING BOTTOM HALF | 2801 | THRUST COLLAR |
| 1100 | INTER STAGE COLLAR | 2884 | THRUST COLLAR |
| 1181 | NECK RING | 3001 | COWL NUT (L.H.) |
| 1503 | IMPELLER 1st. STAGE (R.H.) | 3002 | COWL NUT (R.H.) |
| 1504 | IMPELLER 2nd. STAGE (L.H.) | 3011 | LOCK NUT |
| 1800 | SHAFT | 3020 | LOCKING WASHER |
| 2070 | WATER DEFLECTOR | 3031 | SLEEVE NUT (L.H.) |
| 2100 | SHAFT SLEEVE | 3032 | SLEEVE NUT (R.H.) |
| 2311 | GLAND PLATE | 3200 | IMPELLER KEY |
| 2402 | STUFFING BOX BUSH | 3250 | COULPING KEY |
| 2411 | MECHANICAL SEAL | 4230 | AIR VENT COCK |
| 2600 | DEEP GROOVE BALL BEARING | 4250 | O'RING |
| 2751 | BEARING END COVER (D.E.) | 4290 | MECHANICA SEAL FLUSHING PIPE |
| 2754 | BEARING END COVER (N.D.E.) | 4580 | GUARD |
| 2755 | BEARING END COVER (INSIDE) | | |

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## Sectional drawing - SCP Series

Gland packing version double stage :



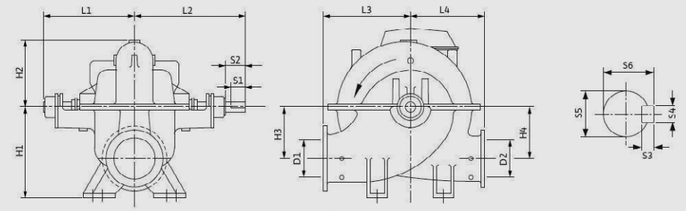

### Part list :

| ITEM | DESCRIPTION | ITEM | DESCRIPTION |
|---|---|---|---|
| 1001 | CASING TOP HALF | 2755 | BEARING END COVER (INSIDE) |
| 1002 | CASING BOTTOM HALF | 2760 | BEARING HOUSING |
| 1100 | INTER STAGE COLLAR | 2801 | INTERMEDIATE BEARING BUSH |
| 1181 | NECK RING | 2884 | THRUST COLLAR |
| 1503 | IMPELLER 1st. STAGE (R.H.) | 3001 | COWL NUT (L.H.) |
| 1504 | IMPELLER 2nd. STAGE (L.H.) | 3002 | COWL NUT (R.H.) |
| 1800 | SHAFT | 3011 | LOCK NUT |
| 2070 | WATER DEFLECTOR | 3020 | LOCKING WASHER |
| 2100 | SHAFT SLEEVE | 3031 | SLEEVE NUT (L.H.) |
| 2300 | LANTERN RING | 3032 | SLEEVE NUT (R.H.) |
| 2310 | GLAND | 3200 | IMPELLER KEY |
| 2402 | STUFFING BOX BUSH | 3250 | COULPING KEY |
| 2410 | GLAND PACKING | 4230 | AIR VENT COCK |
| 2600 | DEEP GROOVE BALL BEARING | 4250 | O'RING |
| 2751 | BEARING END COVER (D.E.) OUTER | 4290 | MECHANICA SEAL FLUSHING PIPE |
| 2754 | BEARING END COVER (N.D.E.) OUTER | 4580 | GUARD |

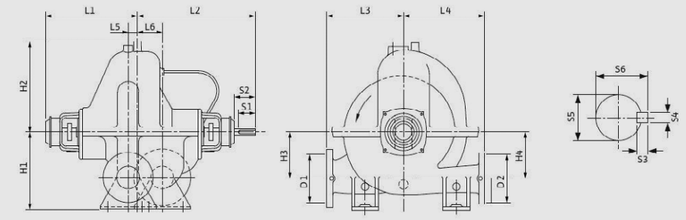




## Outline Dimensions - Bare Shaft




〈 HA / HB / DV Type 〉




〈 DS Type 〉

| SR.NO | PUMP MODEL | SIZE | | OVERALL DIMENSIONS | | | | | | | | | | SHAFT END | | | | | | APPROX.PUMP WT.Kg. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DELY. | SUCT. | | | | | | | | | | | | | | | | | |
| | | D2 | D1 | H1 | H2 | H3 | H4 | L1 | L2 | L3 | L4 | L5 | L6 | S1 | S2 | S3 | S4 | S5 | S6 | |
| 1 | SCP 100-270 HA | 100 | 125 | 270 | 198 | 165 | 165 | 338 | 399 | 285 | 230 | | | 45 | 76 | 7 | 8 | 24 | 27 | 160 |
| 2 | SCP 100-280 HA | 100 | 125 | 270 | 190 | 175 | 175 | 338 | 399 | 300 | 250 | | | 45 | 76 | 7 | 8 | 24 | 27 | 130 |
| 3 | SCP 100-360 HA | 100 | 125 | 320 | 245 | 225 | 225 | 338 | 399 | 350 | 275 | | | 45 | 76 | 7 | 8 | 24 | 27 | 147 |
| 4 | SCP 100-400 HA | 100 | 125 | 320 | 245 | 225 | 225 | 338 | 399 | 350 | 275 | | | 45 | 76 | 7 | 8 | 24 | 27 | 147 |
| 5 | SCP 100-340 DS | 100 | 125 | 340 | 380 | 200 | 200 | 405 | 485.5 | 330 | 300 | 32.5 | 75 | 82 | 93 | 7 | 8 | 29 | 32 | 312 |
| 6 | SCP 100-410 DS | 100 | 125 | 350 | 365 | 220 | 220 | 425 | 510 | 320 | 300 | 39.5 | 102 | 80 | 89 | 8 | 10 | 34 | 37 | 255 |
| 7 | SCP 125-290 HA | 125 | 150 | 320 | 240 | 213 | 213 | 385 | 458 | 350 | 275 | | | 82 | 88 | 7 | 8 | 29 | 32 | 160 |
| 8 | SCP 125-330 HA | 125 | 150 | 320 | 240 | 213 | 213 | 385 | 458 | 350 | 286 | | | 82 | 88 | 7 | 8 | 29 | 32 | 190 |
| 9 | SCP 125-440 HA ⋆ | 125 | 150 | 400 | 284 | 274 | 274 | 385 | 458 | 400 | 350 | | | 82 | 88 | | 8 | 29 | 32 | 220 |
| 10 | SCP 125-470 HA | 125 | 150 | 415 | 320 | 295 | 295 | 470 | 560 | 120 | 400 | | | 95 | 104 | 8 | 12 | 39 | 42 | 500 |
| 11 | SCP 125-460 DS | 125 | 150 | 400 | 410 | 245 | 245 | 480 | 580 | 400 | 350 | 45 | 110 | 95 | 100 | 8 | 12 | 44 | 47 | 473 |
| 12 | SCP 150-290 HA | 150 | 200 | 380 | 255 | 220 | 220 | 385 | 458 | 350 | 265 | | | 82 | 88 | 7 | 8 | 29 | 32 | 350 |
| 13 | SCP 150-390 HA | 150 | 200 | 343 | 280 | 229 | 229 | 411 | 474 | 406 | 330 | | | 88 | 104 | 8 | 11 | 39 | 42 | 305 |
| 14 | SCP 150-350 HA | 150 | 200 | 425 | 275 | 252 | 252 | 471 | 560 | 400 | 350 | | | 95 | 104 | 8 | 12 | 39 | 42 | 360 |
| 15 | SCP 150-440 HA | 150 | 200 | 425.5 | 305 | 274 | 274 | 411 | 474 | 432 | 381 | | | 88 | 104 | 8 | 11 | 39 | 42 | 360 |
| 16 | SCP 150-450 HA | 150 | 200 | 425.5 | 305 | 274 | 274 | 411 | 474 | 432 | 381 | | | 88 | 104 | 8 | 11 | 39 | 42 | 360 |
| 17 | SCP 150-580 HA ⋆ | 150 | 200 | 455 | 365 | 328 | 328 | 511 | 605 | 570 | 520 | | | 109 | 137.5 | 10 | 16 | 54 | 58.5 | 580 |
| 18 | SCP 150-530 HA | 150 | 200 | 465 | 370 | 320 | 320 | 485 | 622.5 | 450 | 440 | | | 109 | 137.5 | 10 | 16 | 54 | 58 | 567 |
| 19 | SCP 150-460 DS | 150 | 200 | 470 | 317 | 225 | 249.5 | 607 | 665 | 440 | 330 | 70 | 210 | 97 | 108 | 8 | 11 | 44 | 46,81 | 660 |
| 20 | SCP 200-310 HA | 200 | 200 | 343 | 270 | 227 | 227 | 411 | 474 | 406.5 | 317.5 | | | 88 | 104 | 8 | 11 | 39 | 42 | 343 |

⋆ : Only for 50Hz

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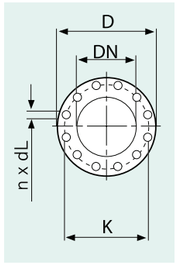
## Outline Dimensions - Bare Shaft

| SR.NO | PUMP MODEL | SIZE | | OVERALL DIMENSIONS | | | | | | | | | | SHAFT END | | | | | | APPROX.PUMP WT.Kg. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DELY. | SUCT. | | | | | | | | | | | | | | | | | |
| | | D2 | D1 | H1 | H2 | H3 | H4 | L1 | L2 | L3 | L4 | L5 | L6 | S1 | S2 | S3 | S4 | S5 | S6 | |
| 21 | SCP 200-320 HA | 200 | 250 | 425.5 | 290 | 248 | 248 | 411 | 474 | 432 | 317.5 | | | 88 | 140 | 8 | 12 | 39 | 42.2 | 385 |
| 22 | SCP 200-360 HA | 200 | 250 | 465 | 330 | 285 | 285 | 471 | 560 | 440 | 350 | | | 95 | 104 | 8 | 12 | 39 | 42 | 520 |
| 23 | SCP 200-370 HA | 200 | 200 | 430 | 310 | 270 | 270 | 470 | 560 | 420 | 350 | | | 95 | 104 | 8 | 12 | 39 | 42 | 475 |
| 24 | SCP 200-360 HB | 200 | 300 | 450 | 320 | 276 | 276 | 471 | 560 | 470 | 350 | | | 95 | 104 | 8 | 12 | 39 | 42 | 460 |
| 25 | SCP 200-390 HA | 200 | 250 | 463.5 | 315 | 292 | 292 | 525 | 612 | 483 | 381 | | | 109 | 137 | 10 | 16 | 54 | 58.5 | 579 |
| 26 | SCP 200-440 HA | 200 | 250 | 465 | 330 | 300 | 300 | 485 | 622.5 | 440 | 400 | | | 109 | 137.5 | 10 | 16 | 54 | 58 | 460 |
| 27 | SCP 200-400 HA | 200 | 250 | 463.5 | 350 | 298.5 | 298.5 | 525 | 612 | 482.5 | 457.5 | | | 109 | 137 | 10 | 16 | 54 | 58.5 | 750 |
| 28 | SCP 200-460 HA | 200 | 250 | 463.5 | 350 | 298.5 | 298.5 | 525 | 612 | 482.5 | 457.5 | | | 109 | 137 | 10 | 16 | 54 | 58.5 | 750 |
| 29 | SCP 200-550 HA | 200 | 200 | 463.5 | 370 | 343 | 343 | 525 | 612 | 470 | 457 | | | 109 | 137 | 10 | 16 | 54 | 58.5 | 699 |
| 30 | SCP 200-480 HA | 200 | 200 | 463.5 | 370 | 343 | 343 | 525 | 612 | 470 | 457 | | | 109 | 137 | 10 | 16 | 54 | 58.5 | 699 |
| 31 | SCP 200-560 HA | 200 | 250 | 546 | 395 | 356 | 356 | 594 | 693 | 521 | 458 | | | 132 | 181 | 12 | 20 | 69 | 74.1 | 770 |
| 32 | SCP 200-660 DV ⋆ | 200 | 250 | 640 | 460 | 440 | 440 | 565 | 693 | 600 | 500 | | | 130 | 141 | 12 | 20 | 69 | 61.5 | 1100 |
| 33 | SCP 250-250 HA | 250 | 250 | 410 | 265 | 222 | 222 | 385 | 473 | 370 | 260 | | | 82 | 88 | 7 | 8 | 29 | 32 | 270 |
| 34 | SCP 250-330 HA | 250 | 300 | 463.5 | 330 | 273 | 273 | 525 | 512 | 508 | 336.5 | | | 109 | 137.5 | 10 | 16 | 54 | 58.5 | 786 |
| 35 | SCP 250-390 HA | 250 | 300 | 540 | 340 | 320 | 320 | 485 | 622.5 | 517 | 380 | | | 109 | 137.5 | 10 | 16 | 54 | 58.5 | 540 |
| 36 | SCP 250-360 HA | 250 | 300 | 540 | 340 | 320 | 320 | 485 | 622.5 | 517 | 380 | | | 109 | 137.5 | 10 | 16 | 54 | 58 | 540 |
| 37 | SCP 250-450 HA | 250 | 300 | 546 | 380 | 343 | 343 | 594 | 693 | 533.5 | 457 | | | 132 | 156 | 12 | 20 | 69 | 74.1 | 906 |
| 38 | SCP 250-570 HA | 250 | 300 | 546 | 415 | 356 | 356 | 594 | 693 | 584 | 492 | | | 132 | 156 | 12 | 20 | 69 | 74.1 | 975 |
| 39 | SCP 250-700 DV | 250 | 300 | 622 | 476 | 406.5 | 406.5 | 703.5 | 824.5 | 635 | 559 | | | 146 | 168 | 14 | 22 | 79 | 85.5 | 1480 |
| 40 | SCP 250-740 DV | 250 | 300 | 622 | 476 | 406.5 | 406.5 | 703.5 | 824.5 | 635 | 559 | | | 146 | 168 | 14 | 22 | 79 | 85.5 | 1480 |
| 41 | SCP 300-330 HA | 300 | 350 | 546 | 390 | 318 | 318 | 525 | 612 | 565 | 390 | | | 109 | 137 | 10 | 16 | 54 | 58.5 | 800 |
| 42 | SCP 300-330HB | 300 | 350 | 540 | 320 | 310 | 310 | 485 | 622.5 | 550 | 390 | | | 109 | 137.5 | 10 | 16 | 54 | 58 | 603 |
| 43 | SCP 300-380 HA | 300 | 350 | 546 | 375 | 317.5 | 317.5 | 525 | 612 | 559 | 390.5 | | | 109 | 137.5 | 10 | 16 | 54 | 58.5 | 1016 |
| 44 | SCP 300-400 HA | 300 | 400 | 610 | 390 | 350 | 350 | 536 | 667.5 | 550 | 350 | | | 109 | 137.5 | 10 | 16 | 54 | 58 | 880 |
| 45 | SCP 300-490 HA | 300 | 350 | 50.5 | 405 | 343 | 343 | 594 | 693 | 584.2 | 482.5 | | | 132 | 156 | 12 | 20 | 69 | 74.1 | 1110 |
| 46 | SCP 300-590 HA | 300 | 350 | 700 | 466 | 470 | 470 | 707 | 919 | 750 | 650 | | | 197 | 216 | 14 | 25 | 94 | 99 | 2000 |
| 47 | SCP 300-570 HA | 300 | 350 | 590.5 | 440 | 378 | 378 | 594 | 693 | 628.5 | 534 | | | 132 | 156 | 12 | 20 | 69 | 74.1 | 1255 |
| 48 | SCP 300-660 DV | 300 | 350 | 725 | 465 | 444.5 | 444.5 | 650.5 | 830 | 660.5 | 610 | | | 146 | 178 | 14 | 25 | 89 | 94 | 1540 |
| 49 | SCP 350-500 HA | 350 | 450 | 730 | 480 | 450 | 450 | 595 | 726 | 768 | 550 | | | 130 | 141 | 12 | 20 | 69 | 73.5 | 1125 |
| 50 | SCP 350-470 HA | 350 | 450 | 660 | 425 | 360 | 360 | 565 | 693 | 625 | 530 | | | 130 | 141 | 12 | 20 | 69 | 73.5 | 1150 |
| 51 | SCP 350-640 HA | 350 | 400 | 686 | 520 | 457 | 457 | 703.5 | 824.5 | 762 | 619 | | | 146 | 168 | 14 | 22 | 79 | 85.5 | 2185 |
| 52 | SCP 400-540 HA | 400 | 500 | 440 | 490 | 428 | 428 | 625 | 785 | 635 | 432 | | | 132 | 160 | 12 | 20 | 69 | 74 | 1400 |
| 53 | SCP 400-480 HA | 400 | 500 | 780 | 520 | 445 | 445 | 602 | 743 | 790 | 545 | | | 130 | 141 | 12 | 20 | 69 | 73.5 | 1134 |
| 54 | SCP 400-550 HA | 400 | 500 | 780 | 495 | 470 | 470 | 667 | 830 | 760 | 560 | | | 146 | 178 | 14 | 22 | 79 | 84 | 1453 |
| 55 | SCP 400-710 HA | 400 | 450 | 800 | 580 | 521 | 521 | 703.5 | 824.5 | 864 | 762 | | | 146 | 168 | 14 | 22 | 79 | 85.5 | 2515 |
| 56 | SCP 400-690 HA | 400 | 450 | 800 | 545 | 500 | 500 | 667 | 830 | 824 | 722 | | | 146 | 178 | 14 | 22 | 79 | 84 | 1561 |
| 57 | SCP 400-660 DV ⋆ | 400 | 500 | 800 | 540 | 483 | 483 | 815 | 959 | 762 | 660 | | | 197 | 216 | 14 | 25 | 94 | 99 | 2700 |

⋆ : Only for 50Hz

## Flange rating

**DIN PN16(EN1092-2)**

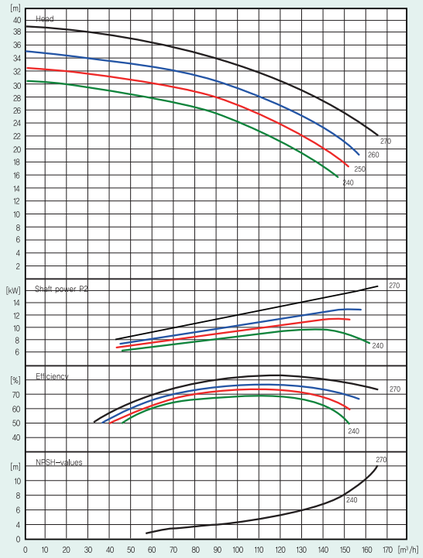



| DN | ø D (mm) | ø K (mm) | n | ø dL (mm) |
|---|---|---|---|---|
| 100 | 220 | 180 | 8 | 19 |
| 125 | 250 | 210 | 8 | 19 |
| 150 | 275 | 240 | 8 | 23 |
| 200 | 340 | 295 | 12 | 23 |
| 250 | 405 | 355 | 12 | 28 |
| 300 | 460 | 410 | 12 | 28 |
| 350 | 520 | 470 | 16 | 28 |
| 400 | 580 | 525 | 16 | 31 |
| 450 | 640 | 585 | 20 | 31 |
| 500 | 715 | 650 | 20 | 34 |

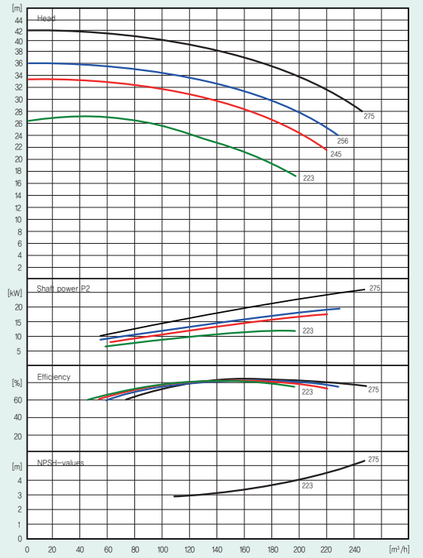




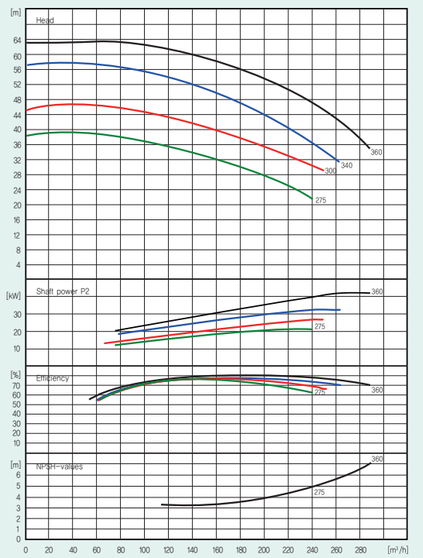
SCP 100/270HA



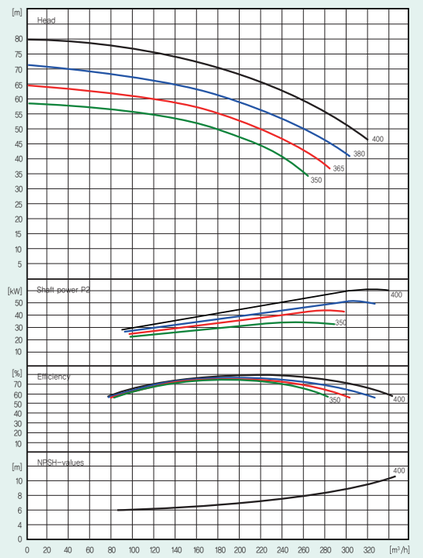

SCP 100/280HA




SCP 100/360HA



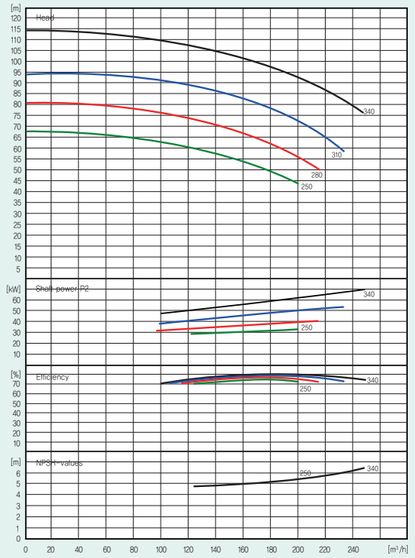

SCP 100/400HA



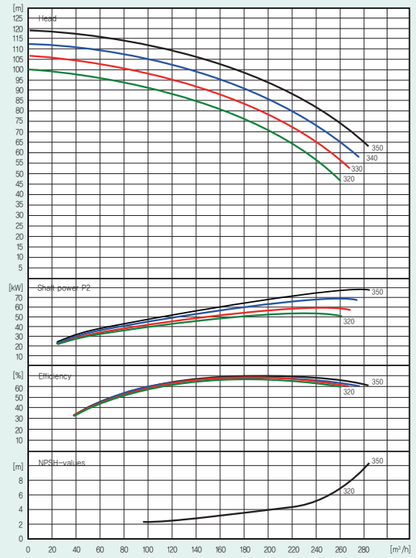
놈(영문)-1월 최종 2011.1.19 9:58 AM 페이지82



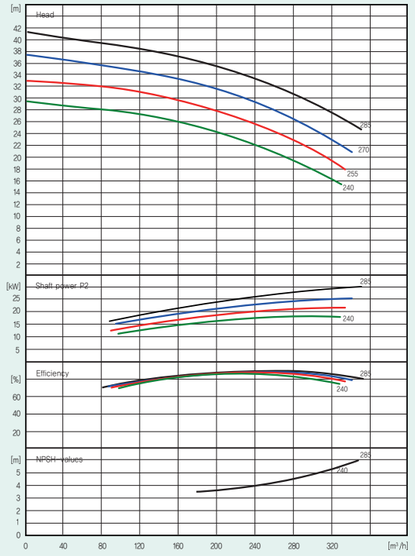
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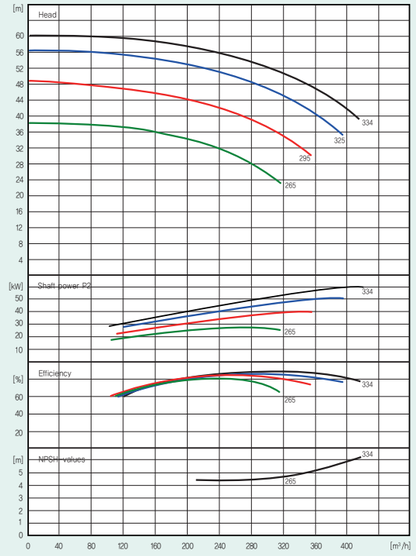

## SCP 100/410DS




## SCP 125/290HA



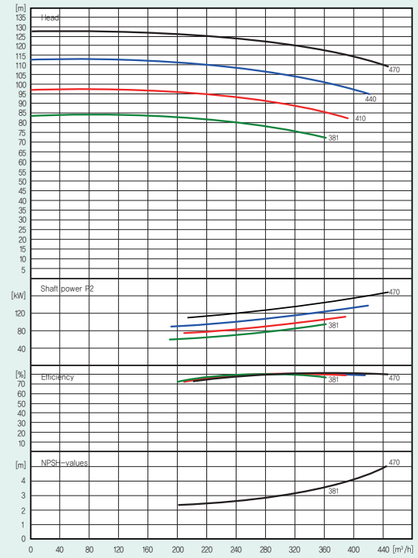

## SCP 125/330HA



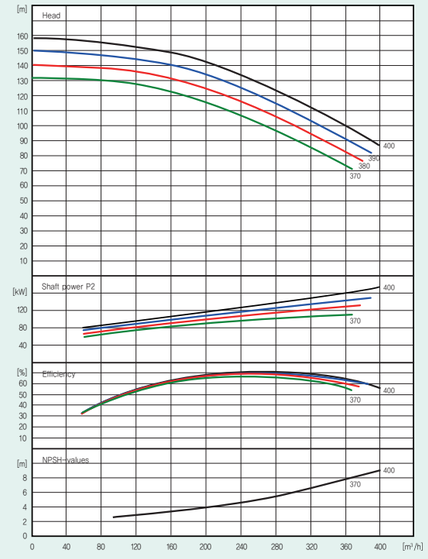




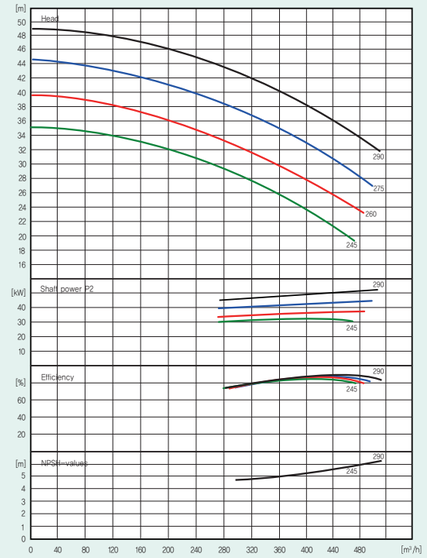

## SCP 125/470HA



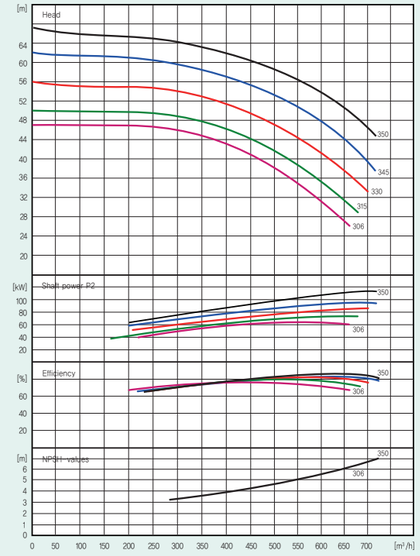

## SCP 125/460DS




## SCP 150/290HA




## SCP 150/350HA



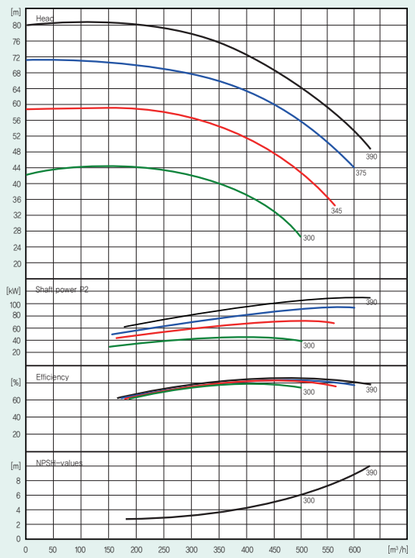
놈(영문)-1월 최종 2011.1.19 9:58 AM 페이지84

# Split Case pumps

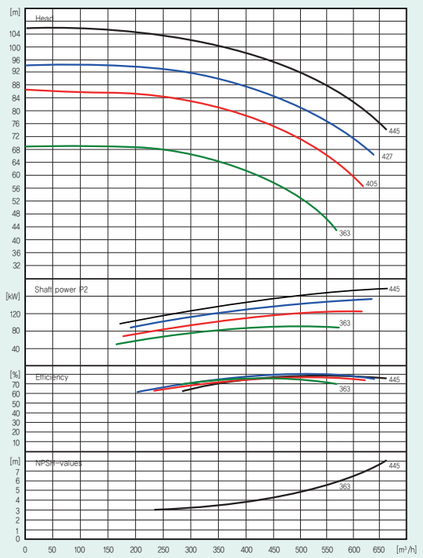
## SCP Series

Performance Curve - 60Hz

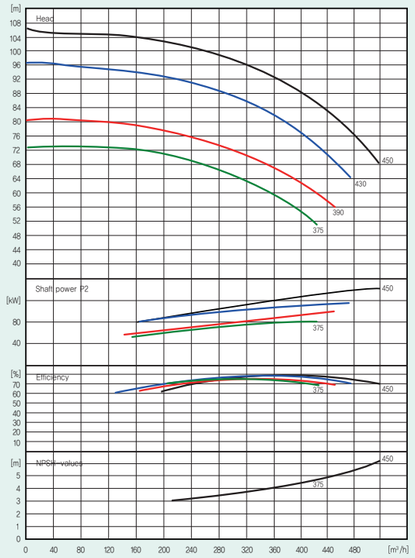
### SCP 150/390HA



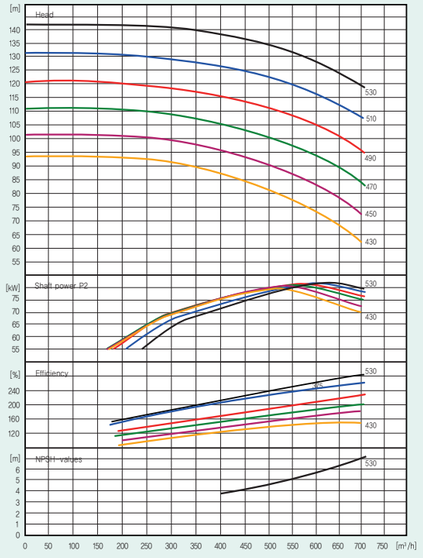

### SCP 150/440HA




### SCP 150/450HA




### SCP 150/530HA



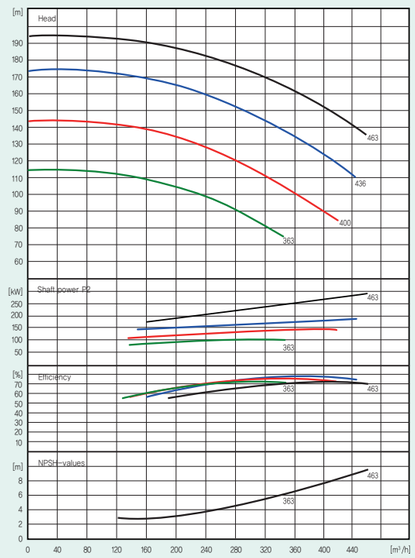



Split Case pumps

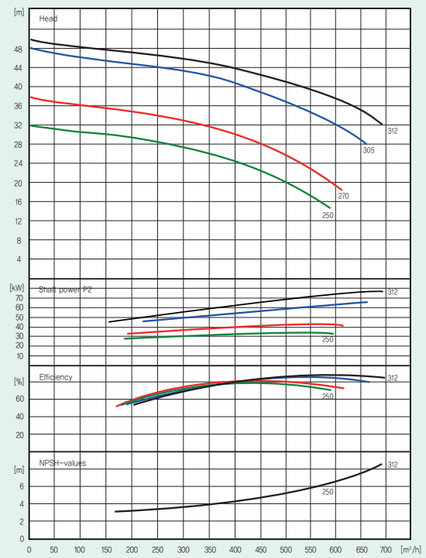
SCP Series

Performance Curve - 60Hz

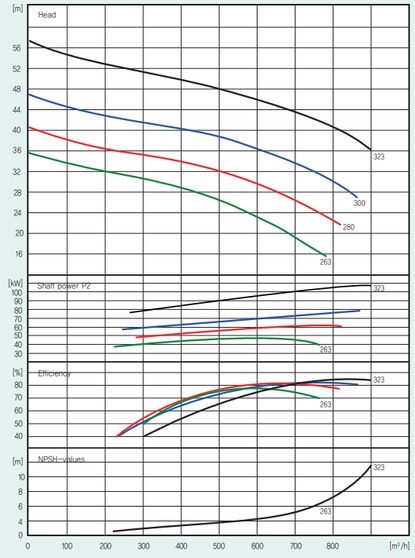
### SCP 150/460DS



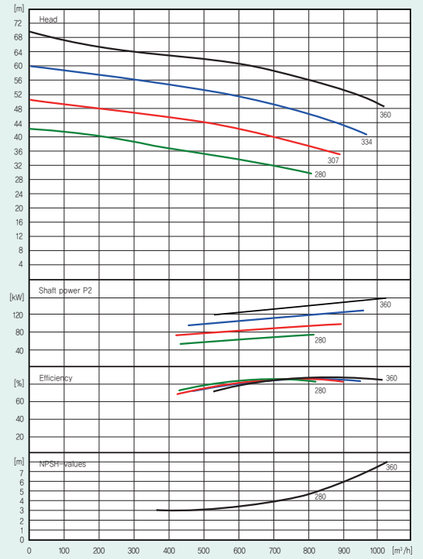

### SCP 200/310HA




### SCP 200/320HA



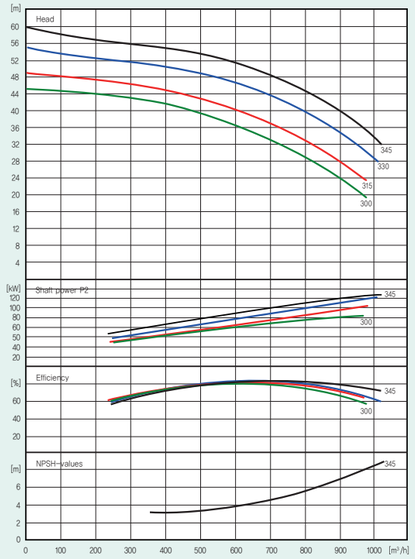

### SCP 200/360HA



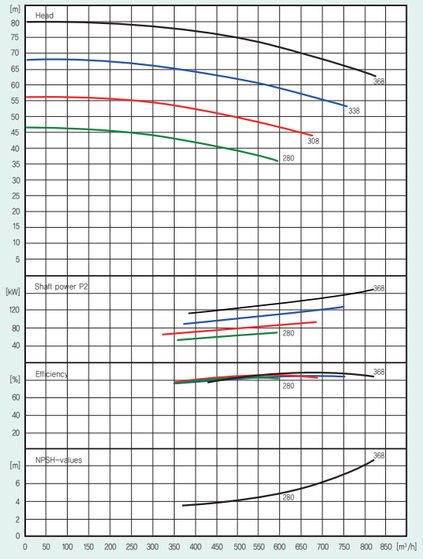
놈(영문)-1월 최종 2011.1.19 9:58 AM 페이지86



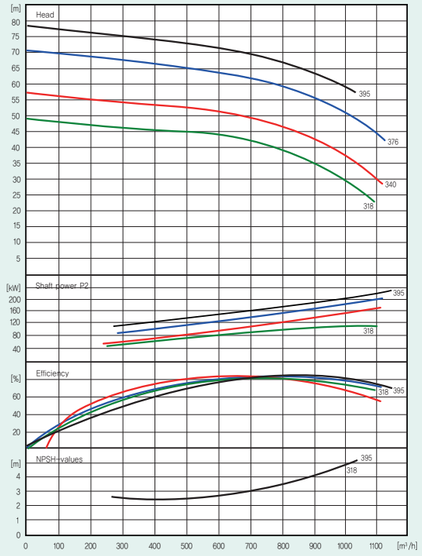
## SCP 200/360HB



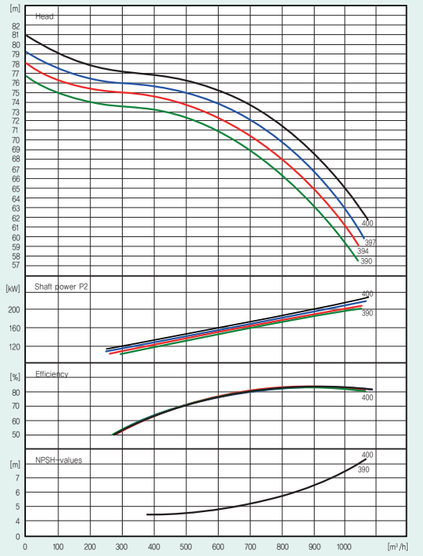

## SCP 200/370HA




## SCP 200/390HA



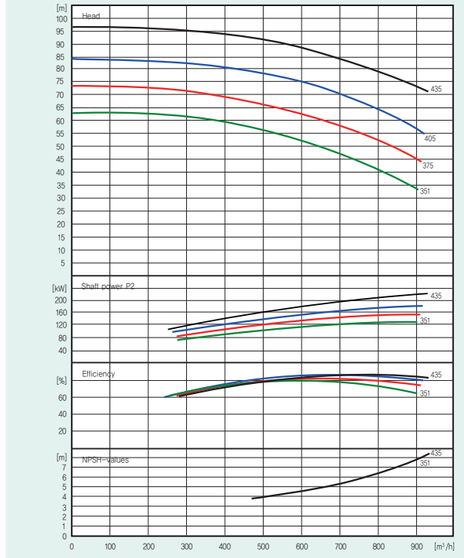

## SCP 200/400HA



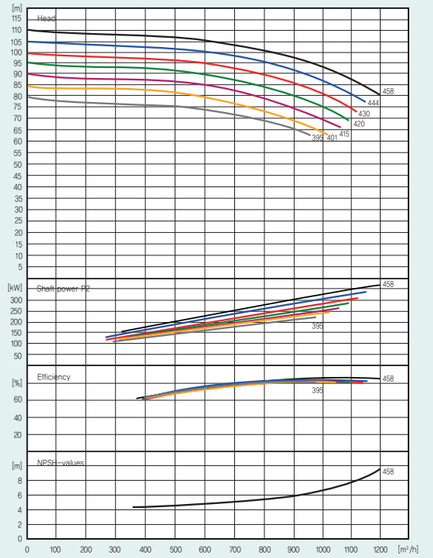




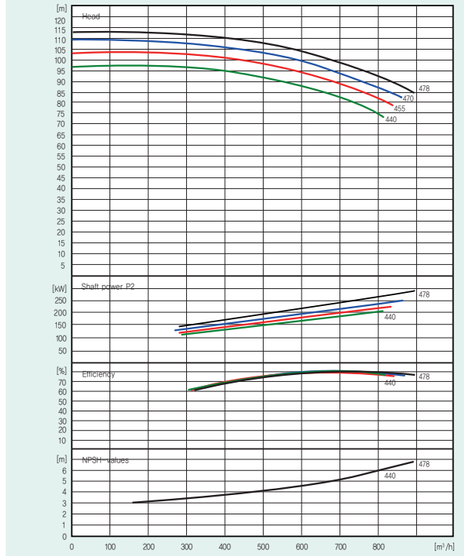

## SCP 200/440HA



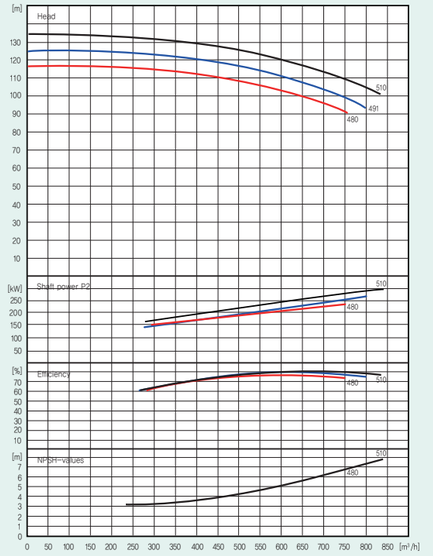

## SCP 200/460HA




## SCP 200/480HA



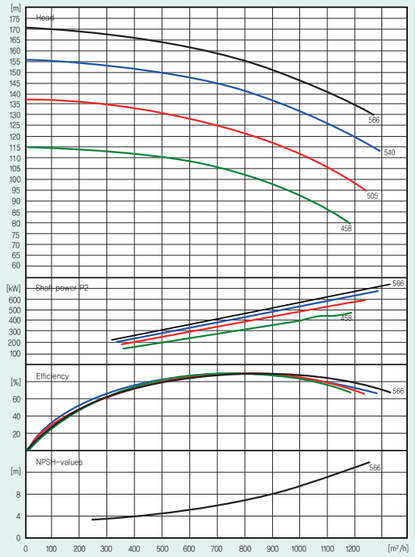

## SCP 200/550HA



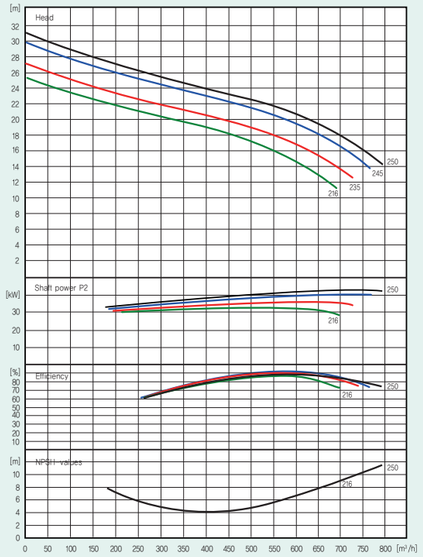
놈(영문)-1월 최종 2011.1.19 9:58 AM 페이지88



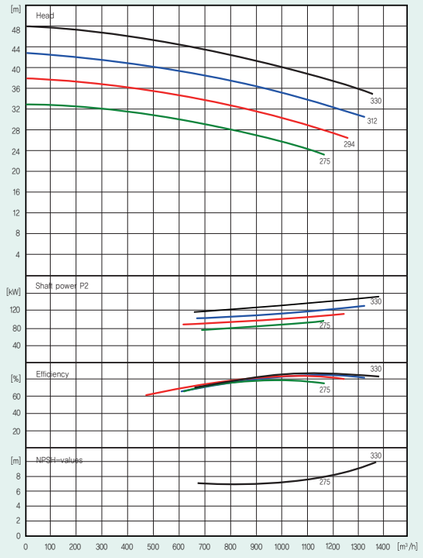
## SCP 200/560HB



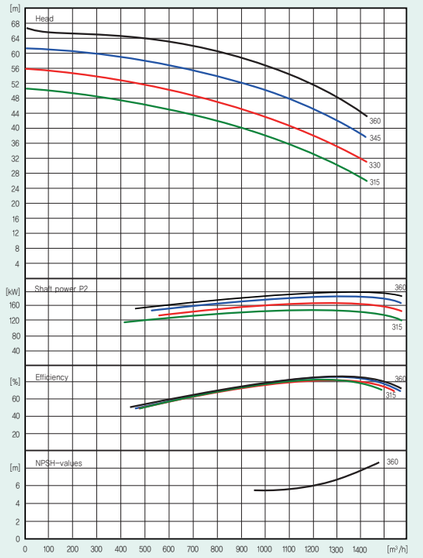

## SCP 250/250HA




## SCP 250/330HA



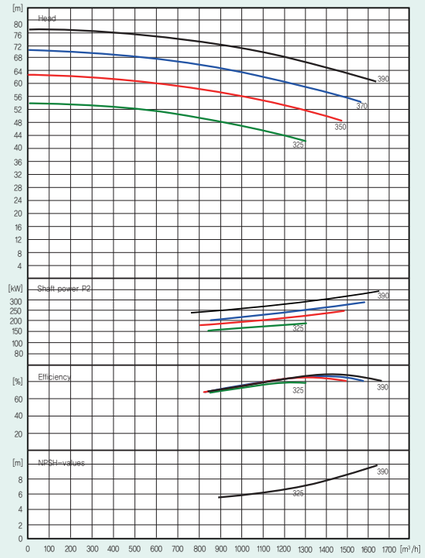

## SCP 250/360HA



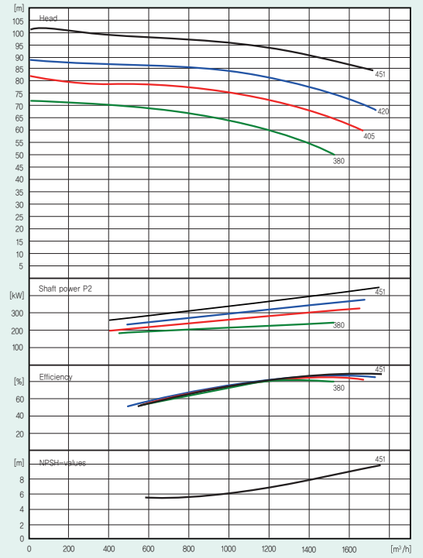




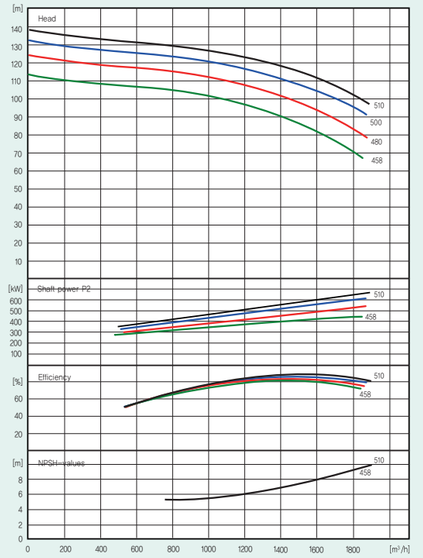

## SCP 250/390HA



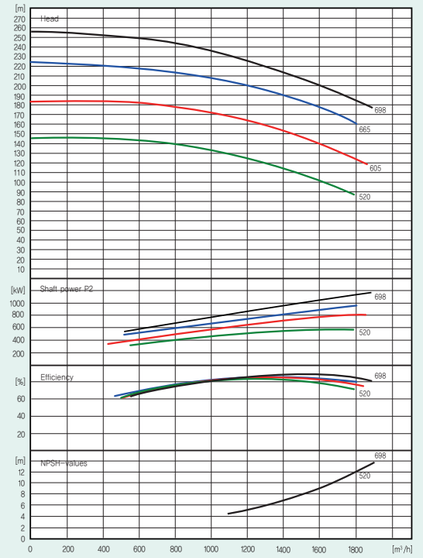

## SCP 250/450HA




## SCP 250/570HA



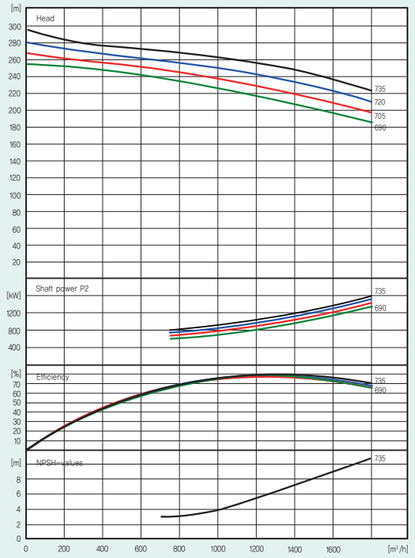

## SCP 250/700DV



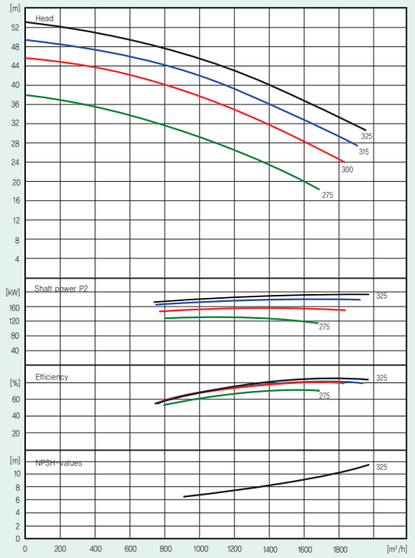
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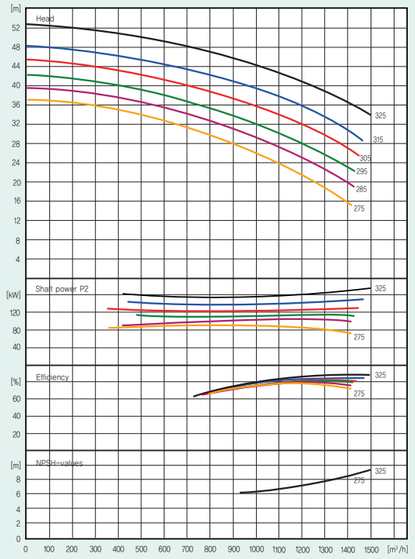
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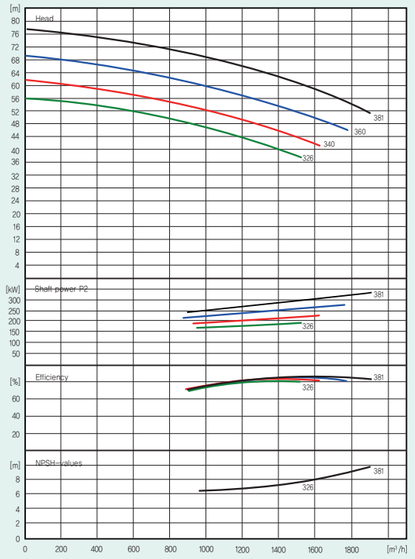

## SCP 300/330HA




## SCP 300/330HB



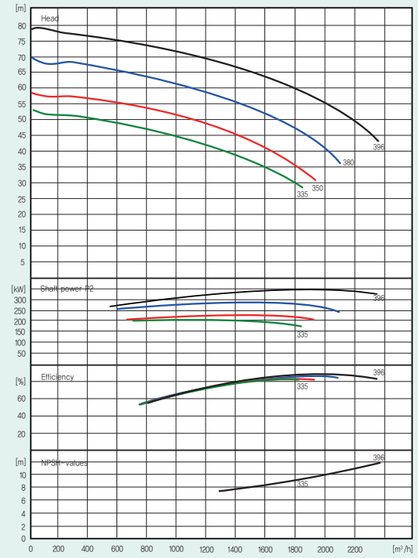

## SCP 300/380HA



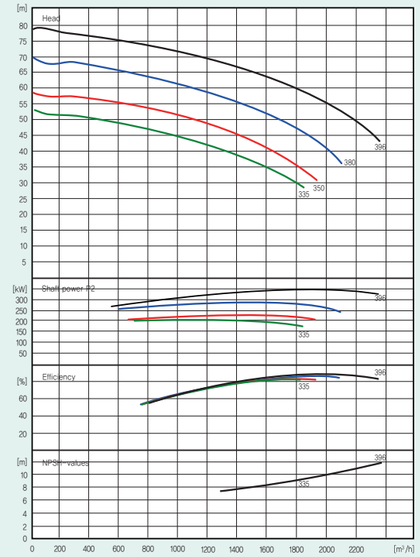




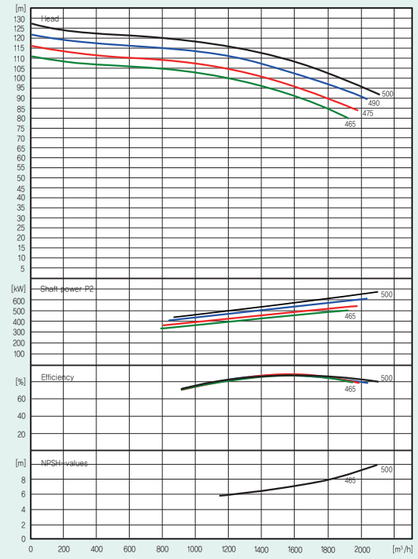

## SCP 300/400HA



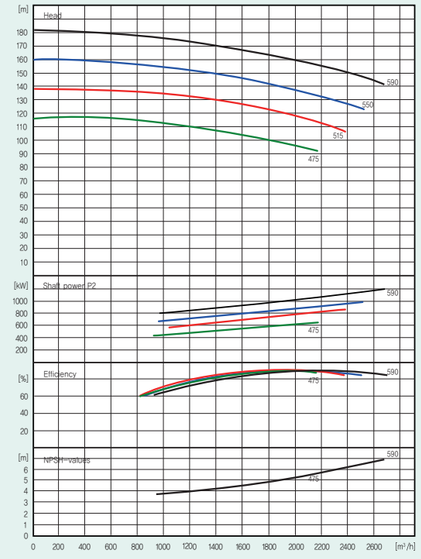

## SCP 300/490HA




## SCP 300/570HA



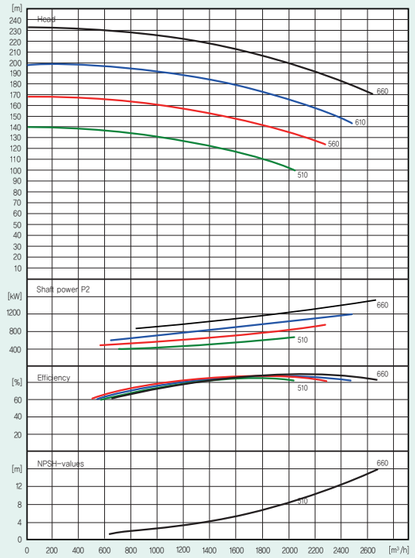

## SCP 300/590HA



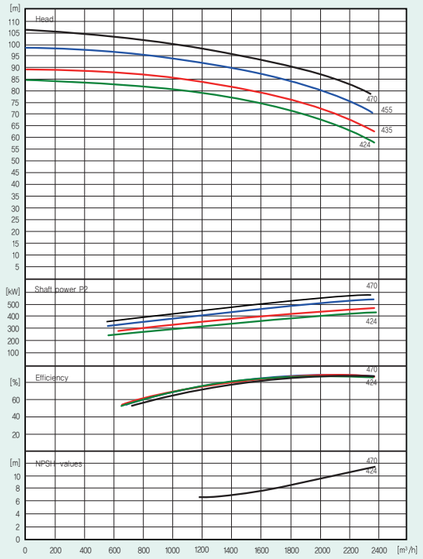
놈(영문)-1월 최종 2011.1.19 9:58 AM 페이지92



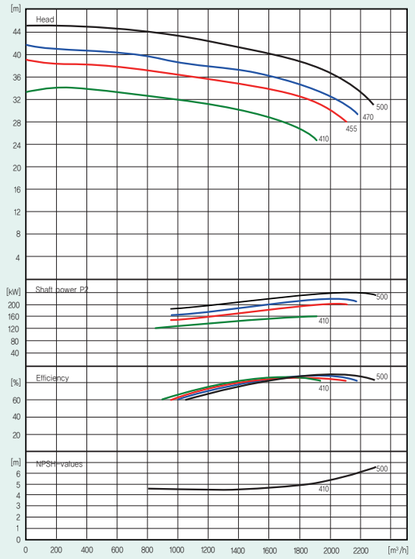
## SCP 300/660DV



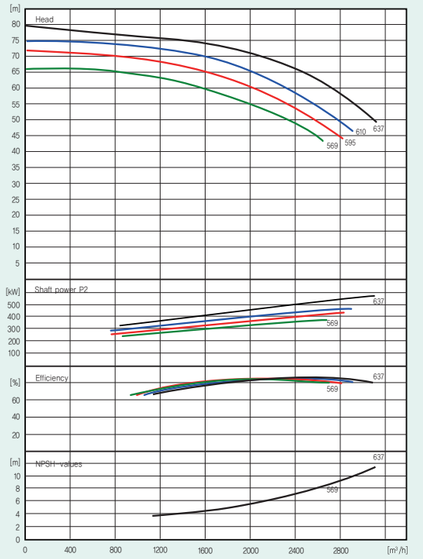

## SCP 350/470HA




## SCP 350/500HA



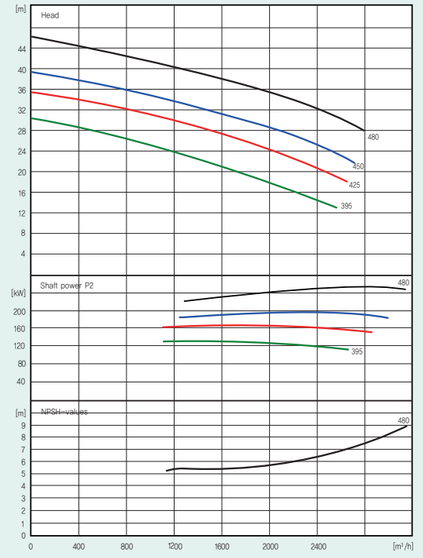

## SCP 350/640HA



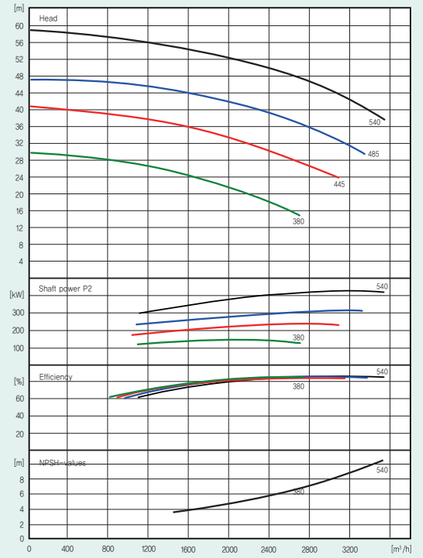




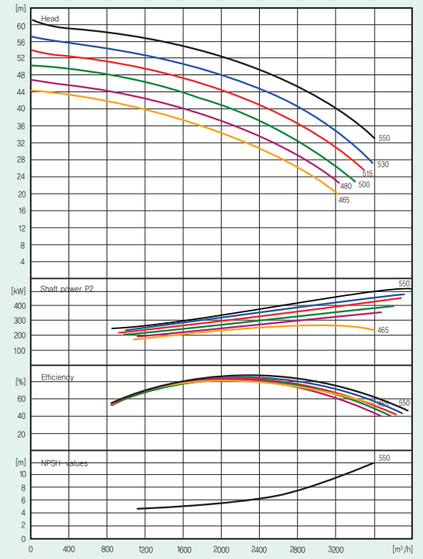

## SCP 400/480HA



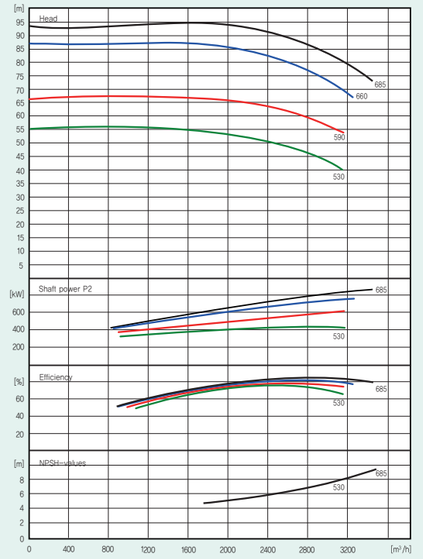

## SCP 400/540HA




## SCP 400/550HA



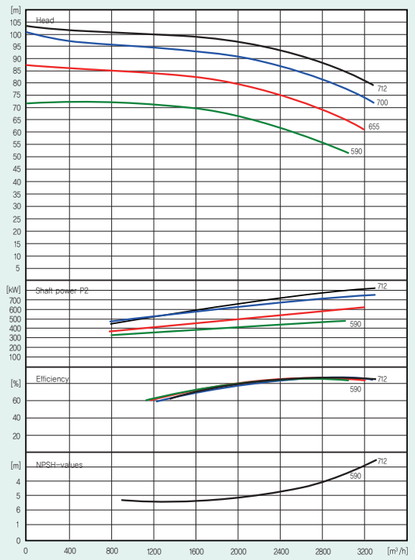

## SCP 400/690HA



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SCP 400/710HA








## Product Overview



## Options

- Material of construction : Cast Iron, Ductile, Bronze, Stainless Steel, Ni Resist
- Shaft sealing : Mechanical Seal, Gland Packing
- Execution : Horizontal/Vertical
- Structure : Foot/Center Line Mounting, Bearing Options

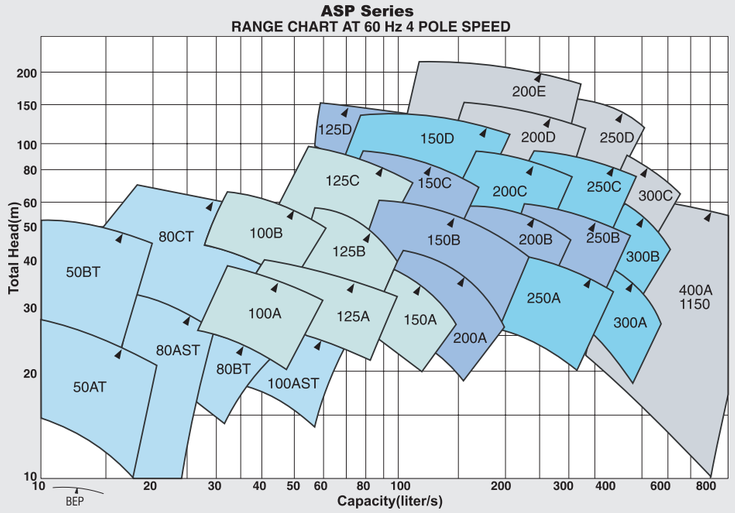
## Application

- Air Conditioning
- Building Services
- Circulating Water Systems
- Fire Fighting
- Irrigation
- Paper Mills
- Pharmaceutical
- Ports and Docks
- Sugar Mills
- Water Supply

## Ranges

- Capacity : ~17,000m³/hr
- Head : ~220m

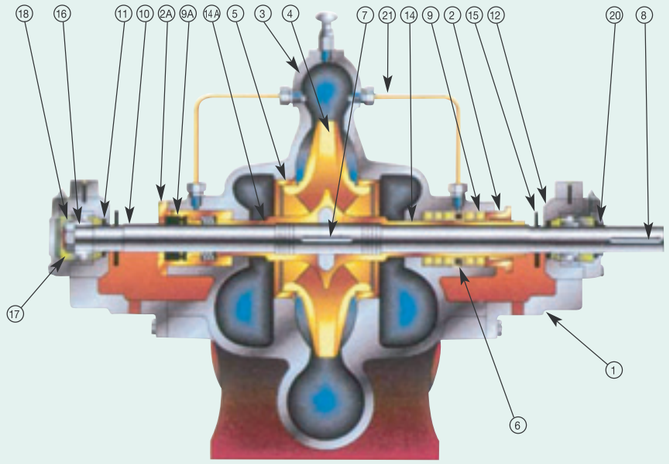
## Range chart – ASP Series



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## Sectional View




## Material of Construction

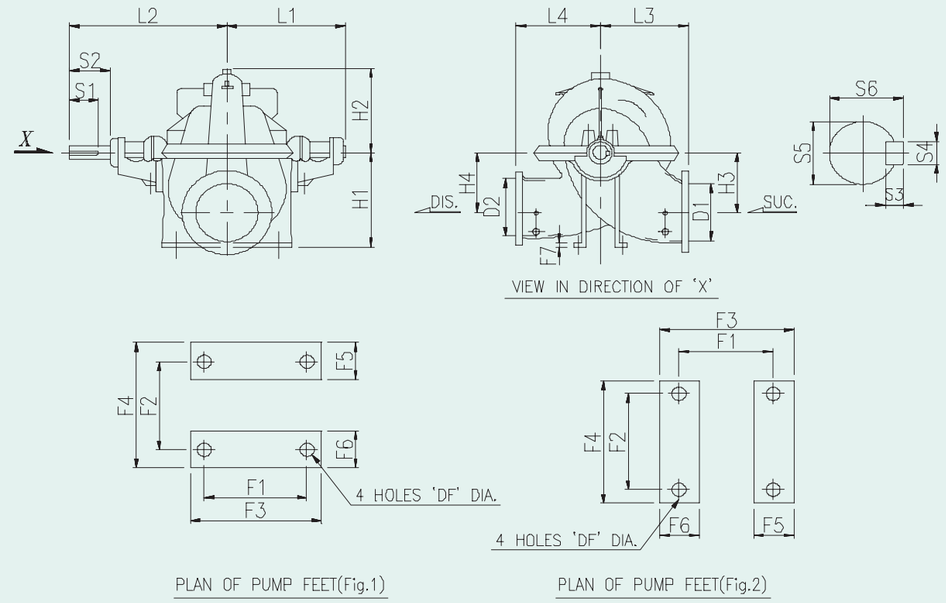
| PART NO. | PART NAME | STANDARD FITTED PUMP | BRITISH STANDARD | ASTM STANDARD |
|---|---|---|---|---|
| 1. | Bearing Bracket | Cast Iron | BS1452 Gr.220 | A48 Class25 |
| 2. | Gland | Bronze | BS1400 LG2 | B584 C83600 |
| 2A. | Seal Plate | Cast Iron | BS1452 Gr.220 | A48 Class25 |
| 3. | Casing | Cast Iron | BS1452 Gr.260 | A48 Class35 |
| 4. | Impeller | Bronze | BS1400 LG2 | B584 C83600 |
| 5. | Casing Wear Ring | Bronze | BS1400 LB2 | B584 C93700 |
| 6. | Lantern Ring | Bronze | BS1400 LG2 | B584 C83600 |
| 7. | Impeller Key | Stainless Steel | BS 970 410 S21 | A182 Type410 |
| 8. | Coupling Key | Stainless Steel | BS 970 410 S21 | A182 Type410 |
| 9. | Gland Packing | Graphite Impregnated | | |
| 9A | Mechanical Seal | Burgmann or equivalent | | |
| 10. | Shaft | Stainless Steel | BS970 410 S21 | A182 Type410 |
| 11. | Thrust Collar | MS | | |
| 12. | Bearing End Cover Inner | Cast Iron | BS1452 Gr.220 | A48 Class25 |
| 14. | Shaft Sleeve | Bronze | BS1400 CT1 | B30 C90700 |
| 14A | Impeller Nut | Bronze | BS1400 LG2 | B584 C83600 |
| 15. | Water Thrower | Neoprene | | |
| 16. | Deep Groove Ball Bearing | SKF | | |
| 17. | Lock Nut | Steel | | |
| 18. | Locking washer | Steel | | |
| 20. | Bearing End Cover Outer | Cast Iron | BS1452 Gr.220 | A48 Class 25 |
| 21. | Seal Piping | Copper | | |

## Optional Construction

| PART NO. | PART NAME | STANDARD FITTED PUMP | BRITISH STANDARD | ASTM STANDARD |
|---|---|---|---|---|
| 3. | Casing | Ductile Iron | BS2789 Gr.500 | A536 60-45-12 |
| | | Cast Steel | BS3100 Gr.A1 | A216 WCB |
| | | Stainless Steel | BS3100-316 C16 | A743 Gr.CF-8M |
| | | Ni-Resist | BS3468 L-Nicur 202 | A436 Type1 |
| 4. | Impeller | Cast Iron | BS1452 Gr.260 | A48 Class35 |
| | | Zinc Free Bronze | BS1400 CT1 | B427 C90700 |
| | | Stainless Steel | BS3100-316 C16 | A743 Gr.CF-8M |
| | | | BS3100-410 C21 | A743 Gr.CA15 |
| 10. | Shaft | HT Steel | BS970-708 M40 | A743 Gr.4140 |
| | | Stainless Steel | BS970 316 S16 | A276 Type316 |
| | | | BS970 304 S15 | A276 Type304 |








DIMENSION SHEET FOR SINGLE STAGE HORIZONTAL SPLIT CASE PUMPS

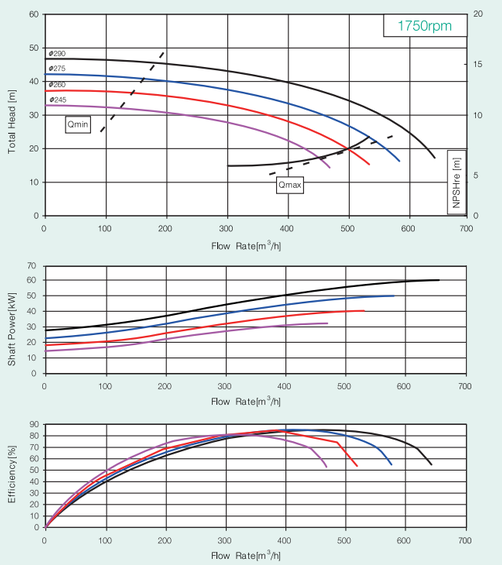
| PUMP | SIZE | | OVERALL DIMENSIONS | | | | | | | MOUNTING DIMENSIONS | | | | | | | | | SHAFT END | | | | | | APPROX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL | D1 | D2 | H1 | H2 | H3 | H4 | L1 | L2 | L3 | L4 | F1 | F2 | F3 | F4 | F5 | F6 | F7 | DF | Fig. | S1 | S2 | S3 | S4 | S5 | S6 | WT(Kg) |
| **ASP** 150A | 200 | 150 | 380 | 255 | 220 | 220 | 372 | 459,5 | 350 | 265 | 280 | 285 | 340 | 350 | 82,5 | 82,5 | 16 | 18 | 1 | 80 | 89,5 | 7 | 8 | 29 | 32 | 285 |
| **ASP** 150B | 200 | 150 | 400 | 290 | 250 | 250 | 452 | 552 | 390 | 320 | 360 | 360 | 420 | 425 | 82,5 | 82,5 | 20 | 22 | 1 | 95 | 100 | 8 | 12 | 39 | 42 | 415 |
| **ASP** 150C | 100 | 150 | 410 | 315 | 270 | 270 | 452 | 552 | 410 | 360 | 360 | 360 | 420 | 425 | 82,5 | 82,5 | 20 | 22 | 1 | 95 | 100 | 8 | 12 | 39 | 42 | 450 |
| **ASP** 150D | 200 | 150 | 460 | 365 | 320 | 320 | 480 | 605 | 440 | 430 | 400 | 360 | 460 | 425 | 82,5 | 82,5 | 25 | 26 | 1 | 110 | 125 | 10 | 16 | 54 | 58 | 600 |
| **ASP** 200A | 200 | 200 | 410 | 290 | 250 | 250 | 452 | 552 | 400 | 320 | 360 | 360 | 420 | 425 | 82,5 | 82,5 | 20 | 22 | 1 | 95 | 100 | 8 | 12 | 39 | 42 | 370 |
| **ASP** 200B | 250 | 200 | 465 | 330 | 285 | 285 | 452 | 552 | 440 | 350 | 440 | 360 | 500 | 425 | 82,5 | 82,5 | 20 | 22 | 1 | 95 | 100 | 8 | 12 | 39 | 42 | 520 |
| **ASP** 200C | 250 | 200 | 490 | 340 | 295 | 295 | 480 | 605 | 450 | 365 | 440 | 360 | 550 | 425 | 82,5 | 82,5 | 25 | 26 | 1 | 110 | 125 | 10 | 16 | 54 | 58 | 615 |
| **ASP** 200D | 250 | 200 | 550 | 395 | 360 | 360 | 550 | 685 | 520 | 400 | 455 | 500 | 520 | 570 | 100 | 100 | 28 | 28 | 1 | 130 | 147,5 | 12 | 20 | 69 | 74 | 900 |
| **ASP** 200E | 250 | 200 | 615 | 450 | 430 | 430 | 550 | 685 | 580 | 480 | 455 | 500 | 520 | 570 | 100 | 100 | 28 | 28 | 1 | 130 | 147,5 | 12 | 20 | 69 | 74 | 1240 |
| **ASP** 250A | 300 | 250 | 520 | 340 | 295 | 295 | 480 | 605 | 500 | 365 | 470 | 360 | 530 | 425 | 82,5 | 82,5 | 25 | 26 | 1 | 110 | 125 | 10 | 16 | 54 | 58 | 575 |
| **ASP** 250B | 300 | 250 | 520 | 355 | 320 | 320 | 480 | 605 | 500 | 400 | 440 | 360 | 500 | 425 | 82,5 | 82,5 | 25 | 26 | 1 | 110 | 125 | 10 | 16 | 54 | 58 | 715 |
| **ASP** 250C | 300 | 250 | 540 | 375 | 335 | 335 | 480 | 605 | 500 | 400 | 470 | 360 | 530 | 425 | 82,5 | 82,5 | 25 | 26 | 1 | 110 | 125 | 10 | 16 | 54 | 58 | 890 |
| **ASP** 250D | 300 | 250 | 555 | 410 | 355 | 355 | 550 | 685 | 584 | 492 | 470 | 500 | 530 | 570 | 100 | 100 | 25 | 28 | 1 | 130 | 151 | 12 | 20 | 69 | 74 | 875 |
| **ASP** 300A | 350 | 300 | 550 | 355 | 305 | 305 | 525 | 630 | 545 | 400 | 470 | 470 | 530 | 535 | 82,5 | 82,5 | 25 | 26 | 1 | 110 | 125 | 10 | 16 | 54 | 58 | 800 |
| **ASP** 300B | 350 | 300 | 575 | 375 | 335 | 335 | 480 | 605 | 550 | 365 | 470 | 470 | 530 | 535 | 82,5 | 82,5 | 25 | 26 | 1 | 110 | 125 | 10 | 16 | 54 | 58 | 740 |
| **ASP** 300C | 350 | 300 | 600 | 380 | 345 | 345 | 550 | 685 | 575 | 475 | 455 | 640 | 520 | 720 | 125 | 125 | 28 | 28 | 1 | 130 | 147,5 | 12 | 20 | 69 | 74 | 1195 |
| **ASP** 400A | 500 | 400 | 435 | 490 | 428 | 428 | 620 | 770 | 635 | 432 | 930 | 380 | 1040 | 540 | 125 | 125 | 30 | 32 | 2 | 130 | 150,5 | 12 | 20 | 69 | 74 | 1400 |

All Dimensions are in mm

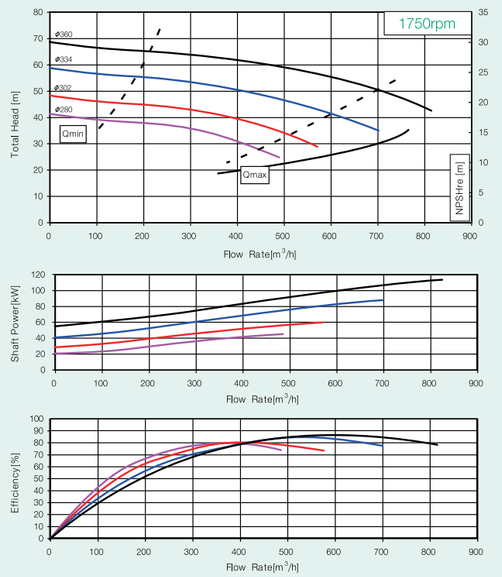
놈(영문)-1월 최종 2011.1.19 9:58 AM 페이지98



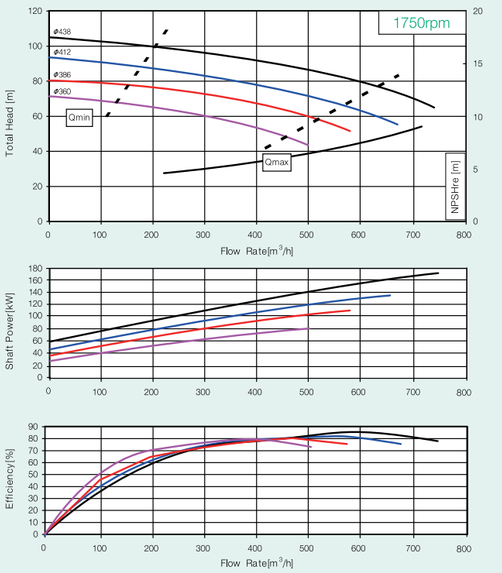
## ASP-150A



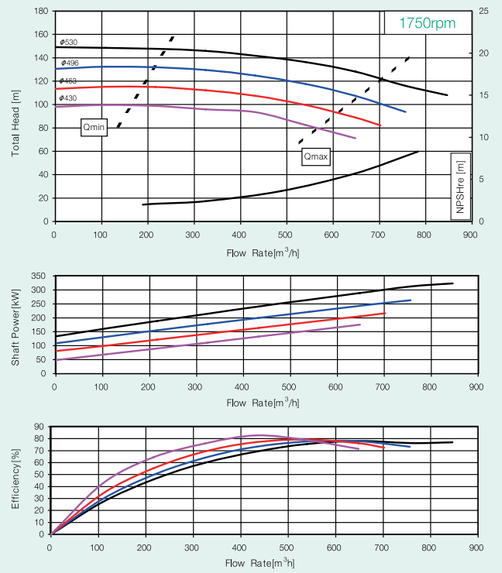

## ASP-150B




## ASP-150C



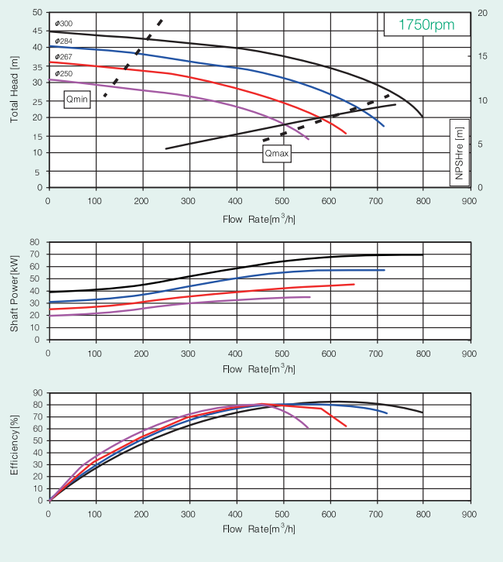

## ASP-150D



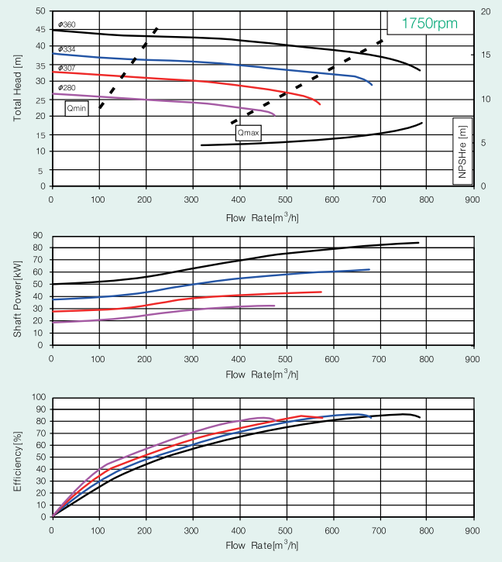




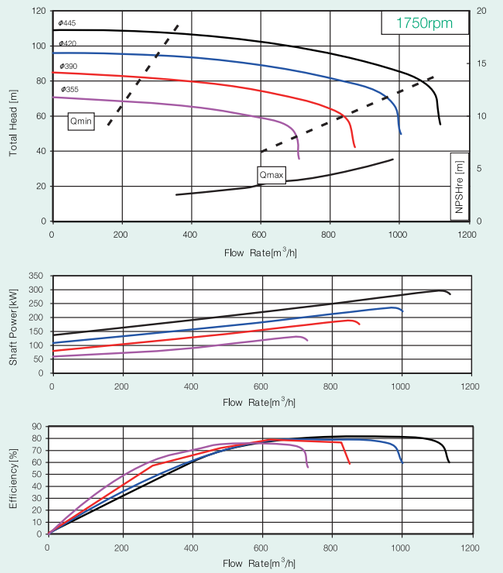

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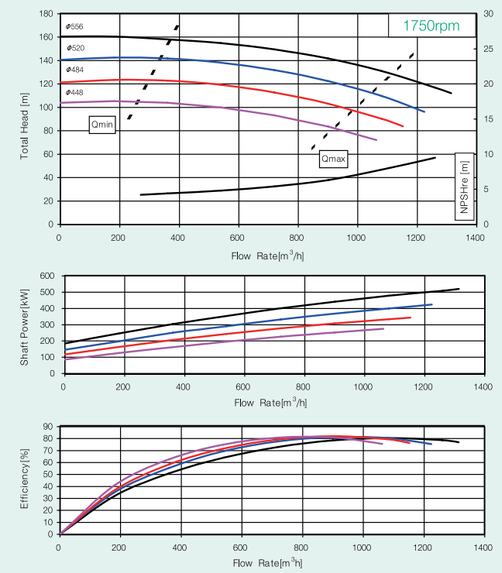

## ASP-200B




## ASP-200C



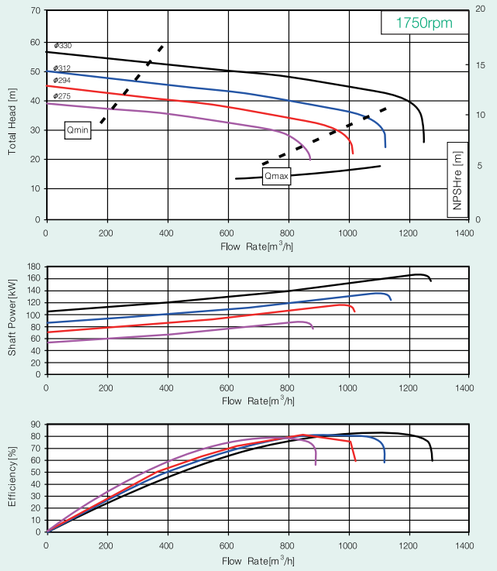

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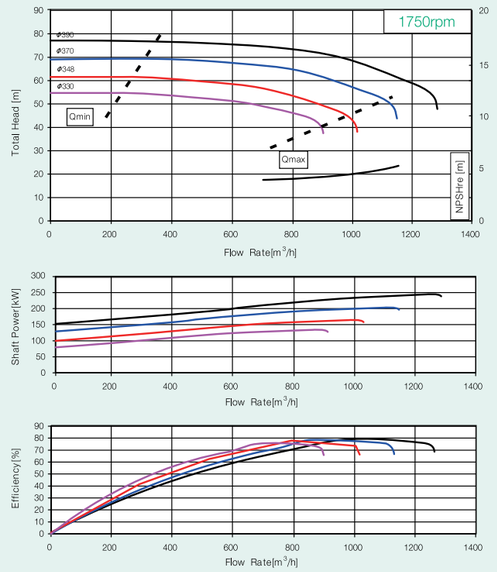
놈(영문)-1월 최종 2011.1.19 9:58 AM 페이지100



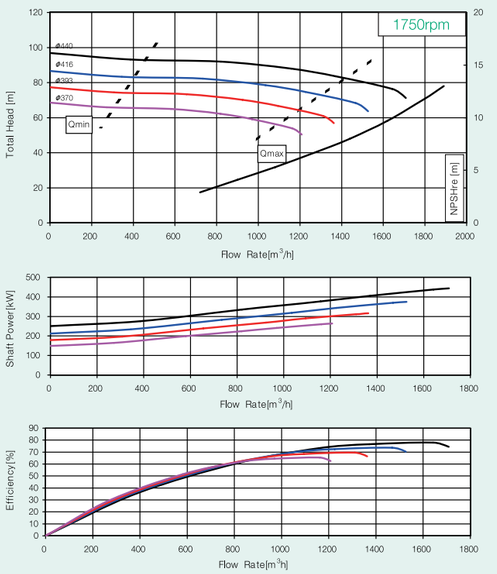
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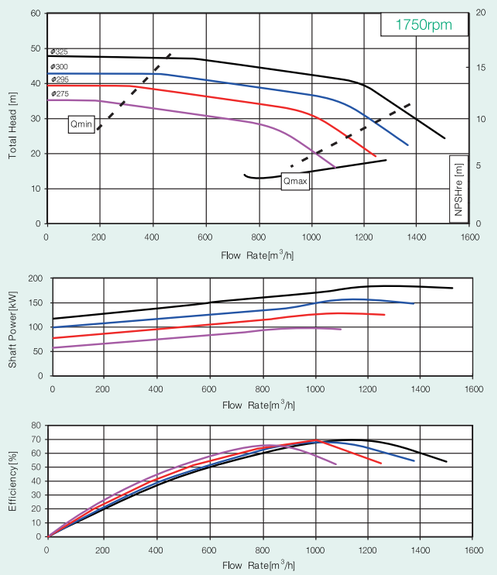

## ASP-250B




## ASP-250C



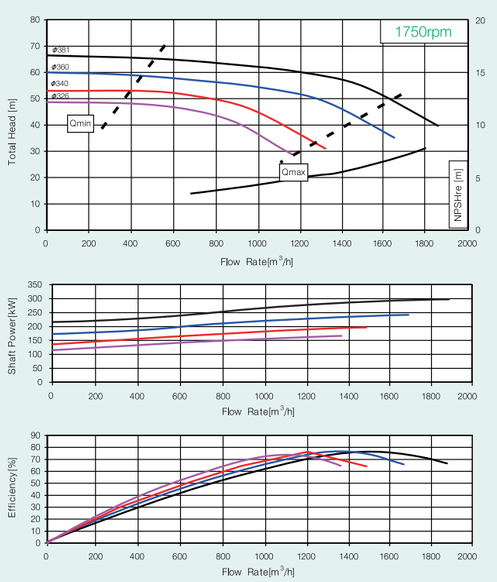

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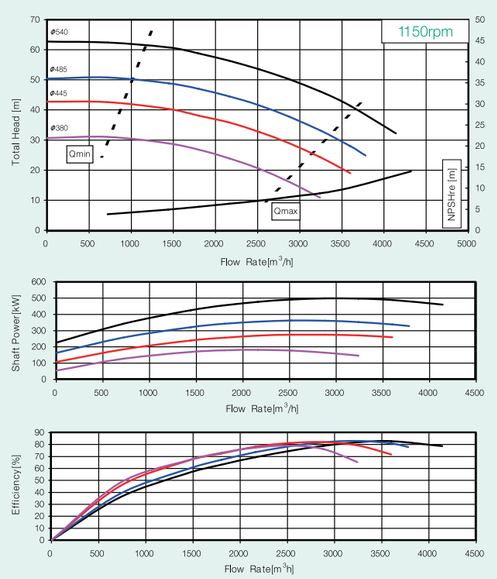




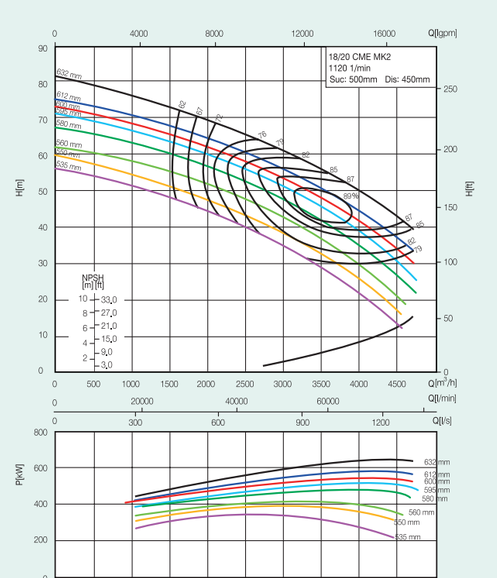

## ASP-300B



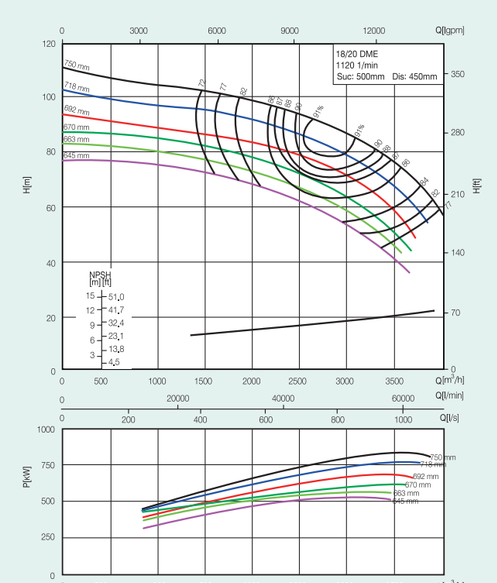

## ASP-400A




## 18/20 CME MK2




## 18/20 DME

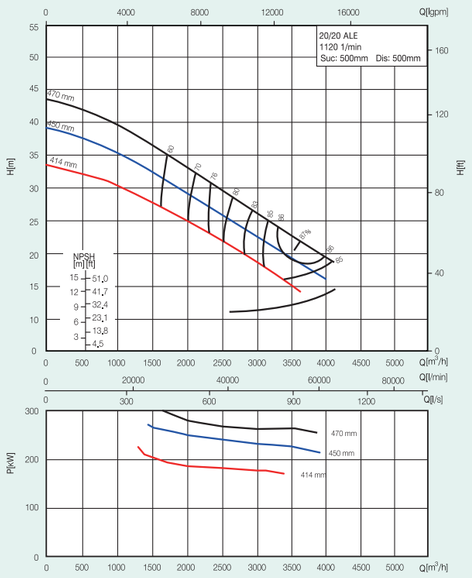


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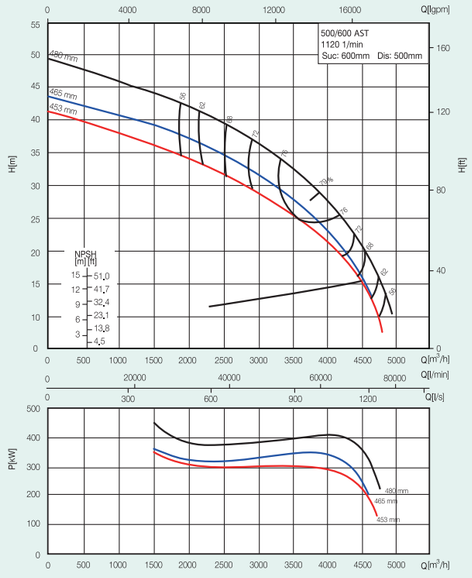


## Performance Curve

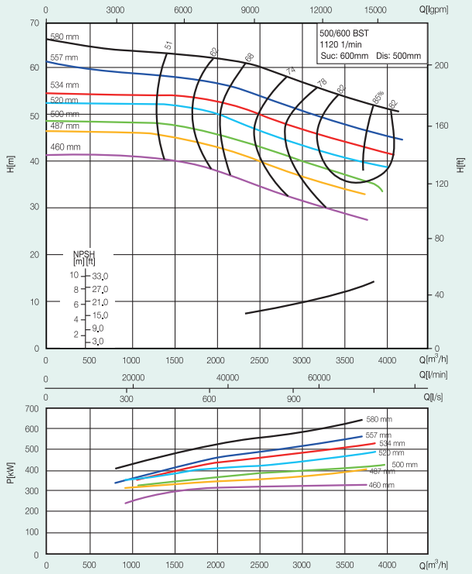
### 20/20 ALE



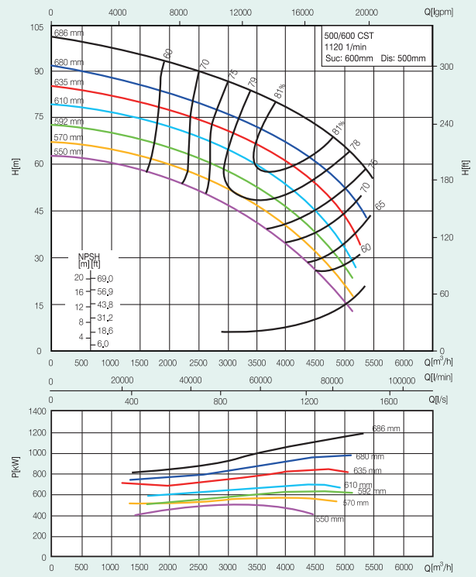

### 500/600 AST




### 500/600 BST




### 500/600 CST



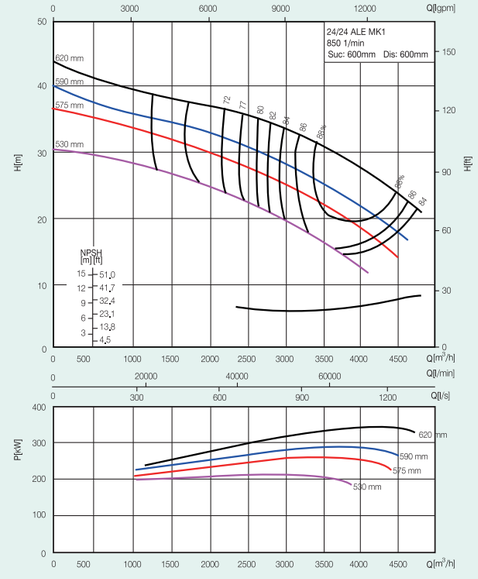




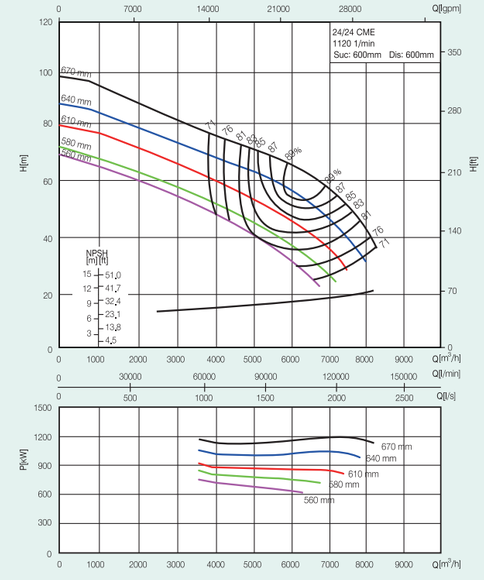



## Performance Curve

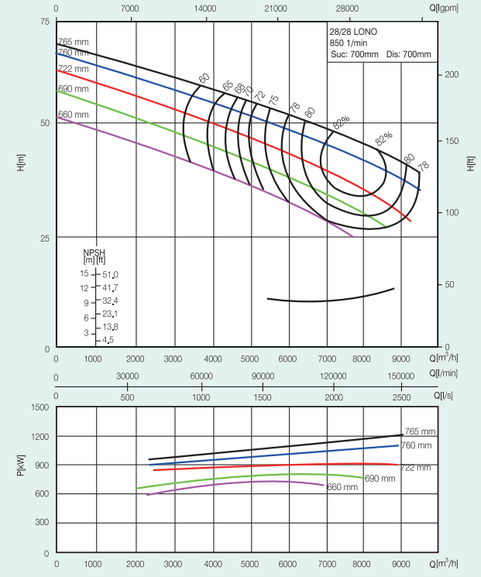
### 24/24 ALE MK1



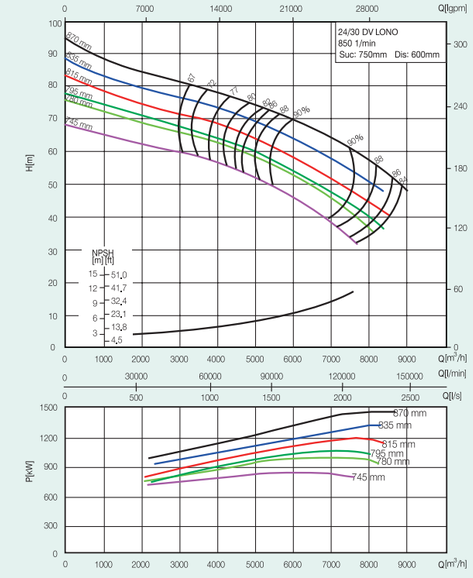

### 24/24 CME




### 28/28 LONO




### 24/30 DV LONO



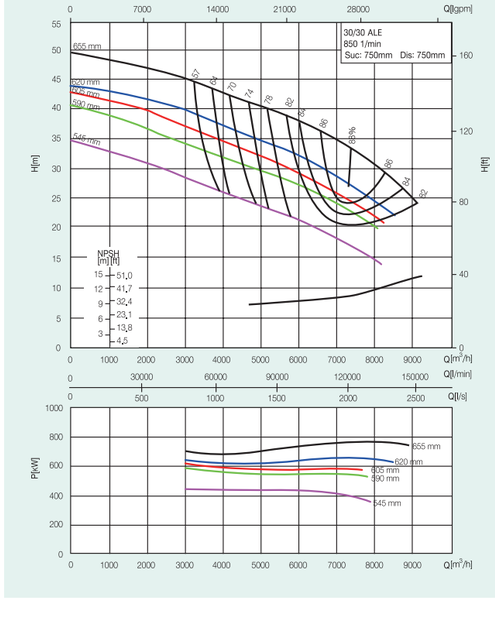
놈(영문)-1월 최종 2011.1.19 9:58 AM 페이지104



## Performance Curve

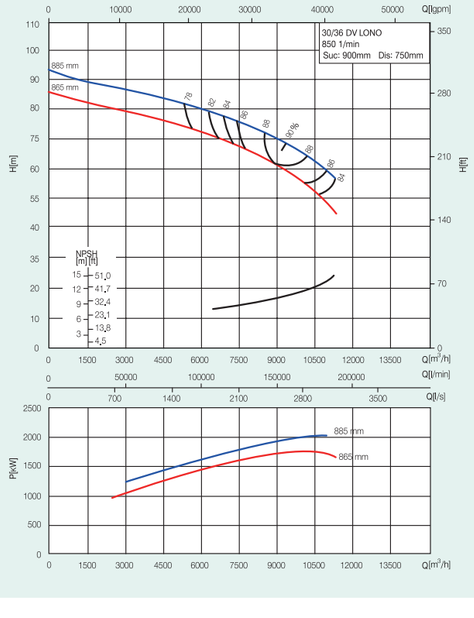
### 30/30 ALE

Speed 850 rpm



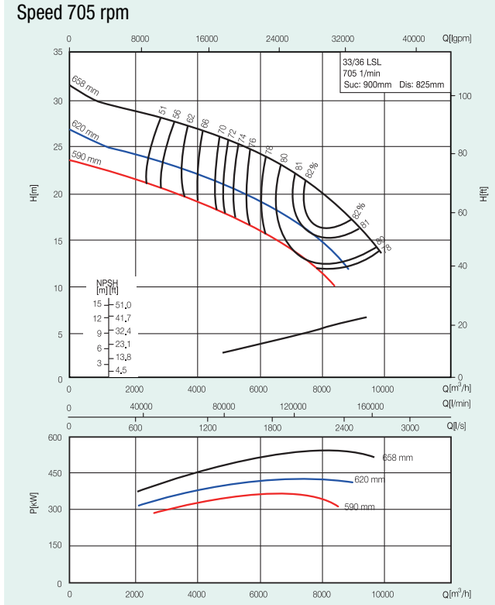

### 30/36 DV LONO

Speed 850 rpm



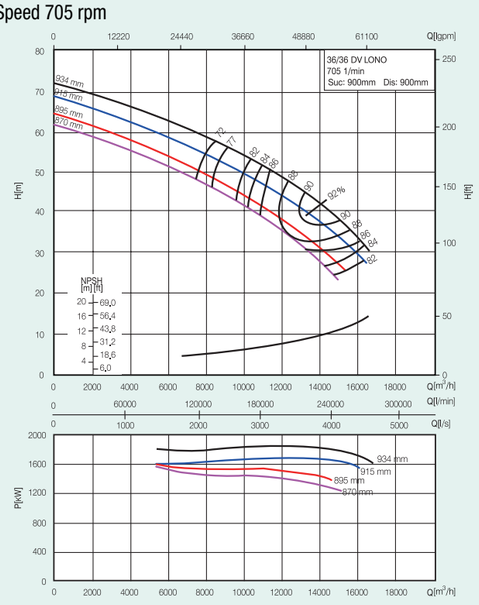

### 33/36 LSL

Speed 705 rpm




### 36/36 DV LONO

Speed 705 rpm

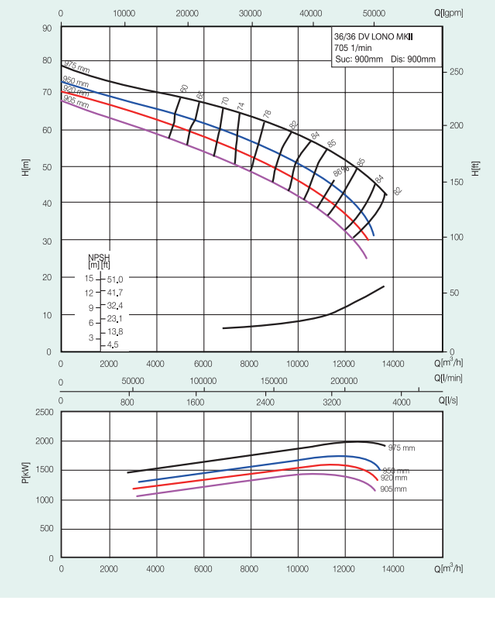




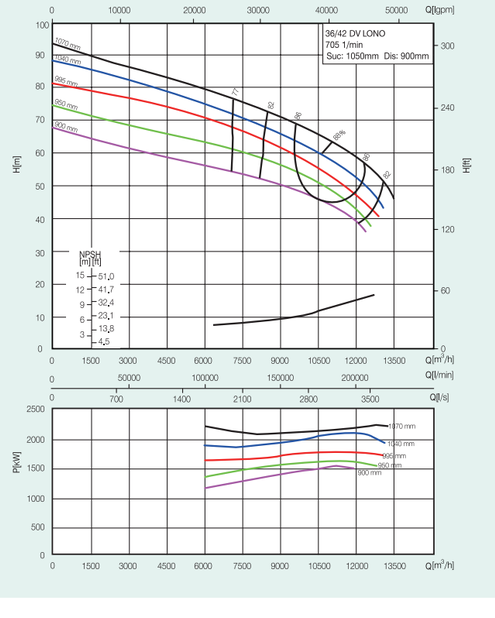



## Performance Curve

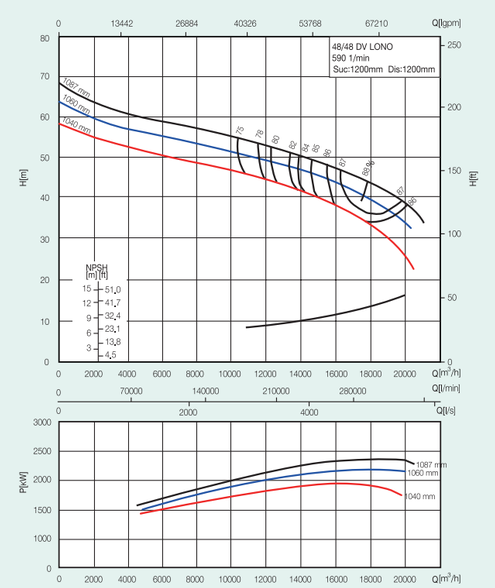
### 36/36 DV LONO MKII




### 36/42 DV LONO




### 48/48 DV LONO



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WILO

WILO

WILO

*Pumpen Intelligenz.*

WILO

*Pumpen Intelligenz.*

놈(영문)-1월 최종 2011.1.19 9:58 AM 페이지108

WILO

*Pumpen Intelligenz.*