
# GIS/ GISO Series End Suction Pumps

TECHNICAL BULLETIN

GOULDS WATER TECHNOLOGY
a xylem brand

# ISO End Suction Centrifugal Pump - Technical Sales Data

Goulds Water Technology is renowned for manufacturing the highest quality pumping equipment utilizing the best engineering practices available worldwide. The GISO / GIS series back pull out, foot mounted centrifugal is no exception. The single stage end suction pump has been designed with latest CAD (Computer Aided Design) and CFD (Computational Fluid Dynamics) and is accordance with the international standard ISO 2858. This highly efficient and flexible design makes the GISO / GIS series pump ideal for wide range of pumping applications, from water supply and irrigation to mining and building services.

**Design Versions**
The pump comes in two designs: “GISO” long coupled (frame mount) series is suitable for belt driven motors and “GIS” close coupled (stub shaft) series is suitable for direct attachment to 2 or 4 pole IEC frame motors. The standard horizontal configuration units have a vertical centerline discharge; however these models can also be mounted in a variety of different positions including horizontal discharge, with or without vertical mounting of the pump bearing housing.

**Pumped Liquid**
Designed for non-combustible, low viscosity liquids, free of solids, abrasive materials and fibres. Various liquid chemical compositions are capable of being pumped through the use of a variety of construction materials and seal options (Refer to materials listed below).

**Construction Material**
The GISO / GIS series comes with cast iron casing wet end, SS304 impeller and wear rings and SS420 shaft as standard. In order to suit a wider range of applications, the GISO / GIS series of pump casing are also available in the following materials:

- EN-GJL-250 (Cast Iron)
- EN-GJS-450-10 (Ductile Iron)
- EN 1.4301 / AISI 304 (Stainless Steel 304)
- EN 1.4401 / AISI 316 (Stainless Steel 316)
- EN 1.4462 / UNS S32205 (Duplex 2205)

**Shaft**
Enlarged shaft to minimize deflection with tapered shaft keyed design ensuring positive locking when in operation and ease of impeller removal whilst servicing. Optional shaft materials are available upon request.

**Shaft Sealing**
Wide ranges of sealing solutions are available for the GISO / GIS series. The standard seal consists of graphite rotating face and ceramic stationary face with fluorine elastomers. For hot or abrasive applications, please contact your authorized Goulds Water Technology distributor.

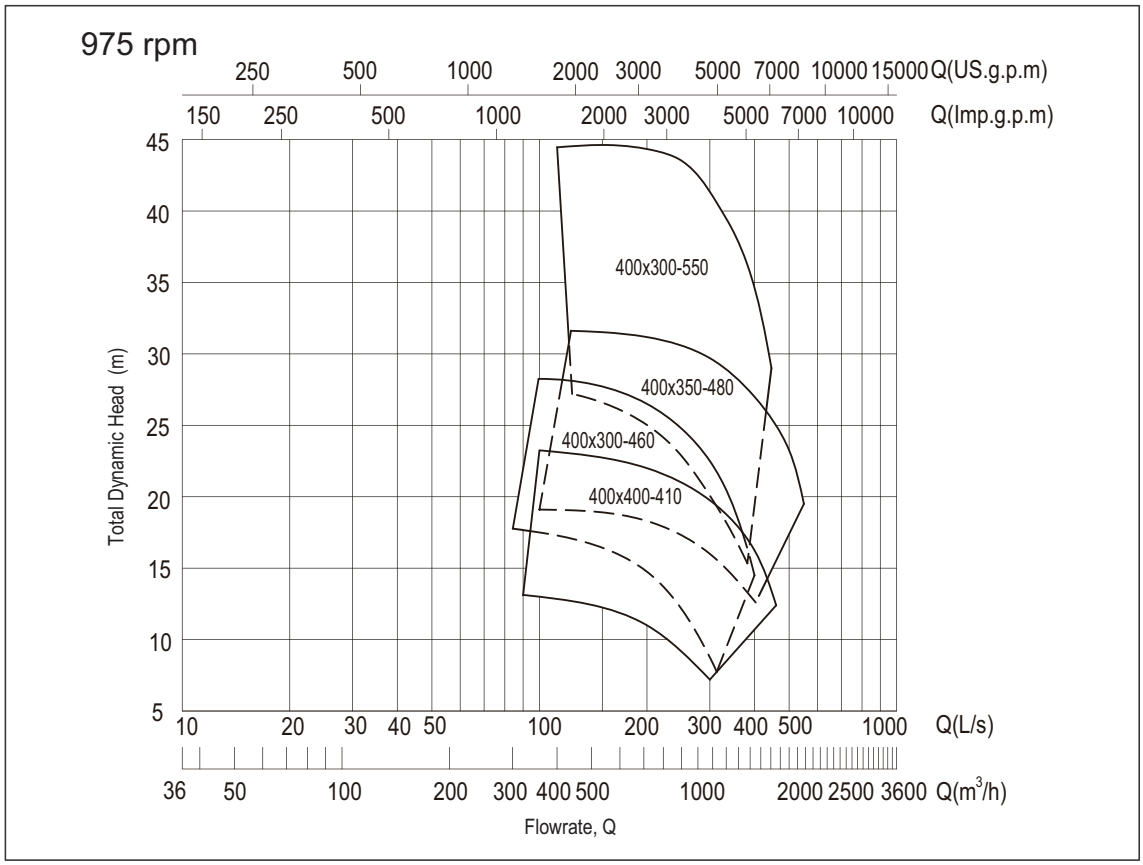
**Bearing Housing & Bearings**
Features incorporated into the design of the GISO / GIS bearing housing makes it robust, reliable and easy to service. Standard features include a removable bearing cap on the non-drive end and lip seals fitted to both drive and non-drive ends in order to minimize the ingress of foreign liquids and materials. Bearings are heavy duty bearings with pre-packed grease. Alternative bearing manufacturers and lubrication methods are available upon request. The close coupled version has a heavy-duty cast iron motor adaptor and robust drive shaft clamp for positive motor alignment and stability.

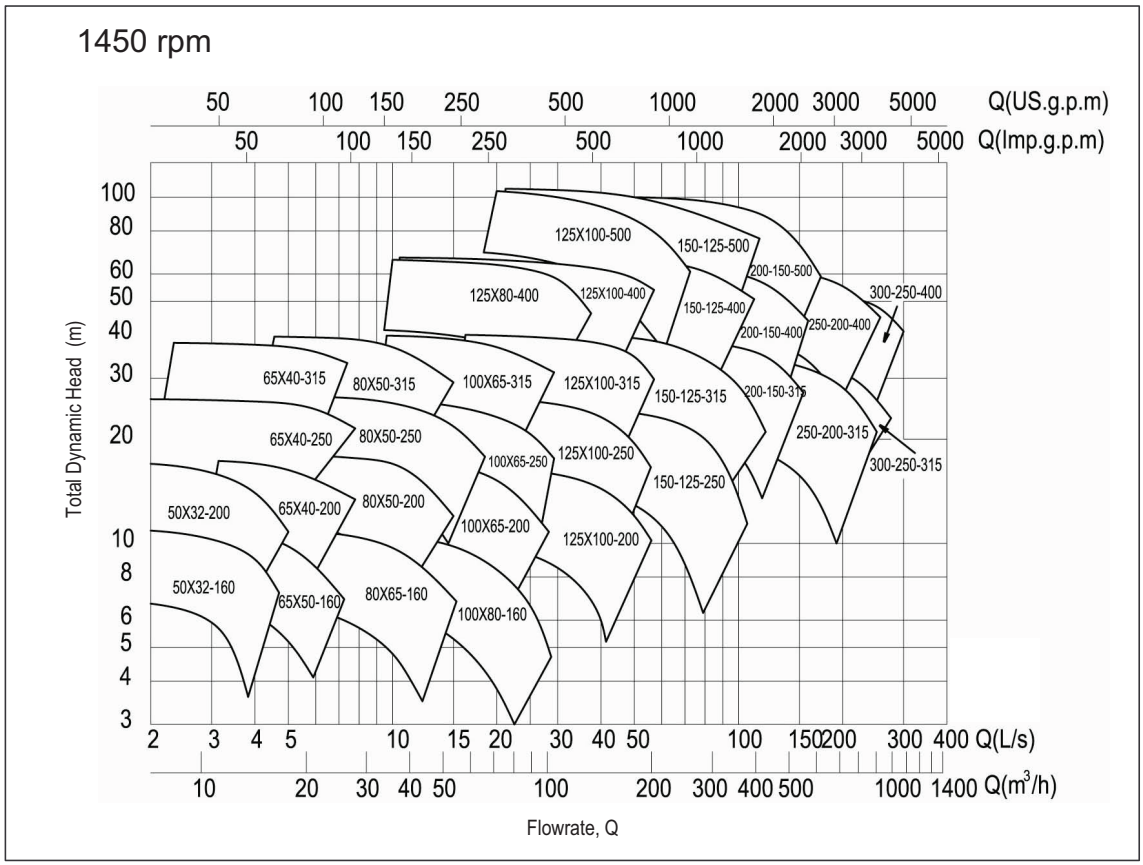
**Operating Conditions**

| | | |
|---|---|---|
| Flowrate | : | Max. 2100 m3/hr |
| Pump Head | : | Max. 160 meters |
| Liquid Temp | : | -15°C to 120°C (Standard Version) |
| Max Working Pressure | : | 160 meters |

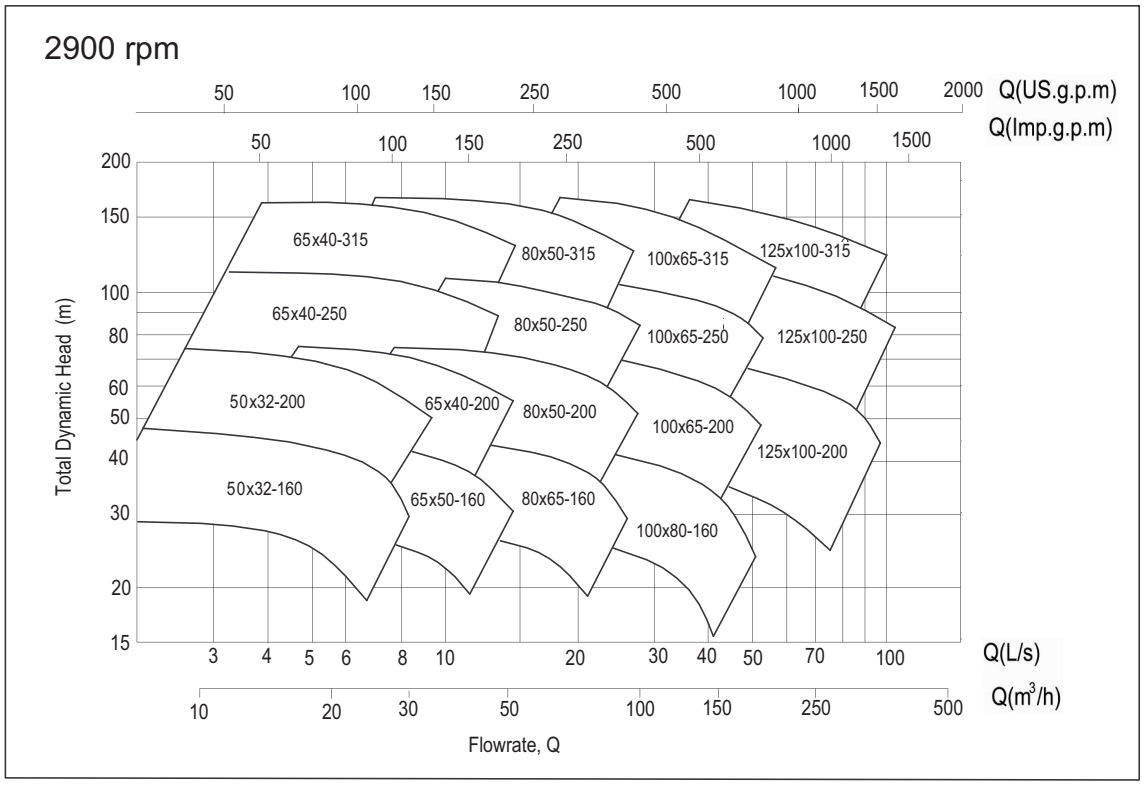
**Please note that Goulds Water Technology, in the interest of product development, may alter technical specifications without notice.**

# ISO End Suction Centrifugal Pump - 50HZ Performance Range



## ISO End Suction Centrifugal Pump - 50HZ Performance Range




## ISO End Suction Centrifugal Pump - Numbering System

**Model Description**

GIS 50 x 32 -160 - 3 / 2

**Motor Poles**
For example: 2 = 2P

**Motor rated power (kW)**
For example: 3 = 3kW

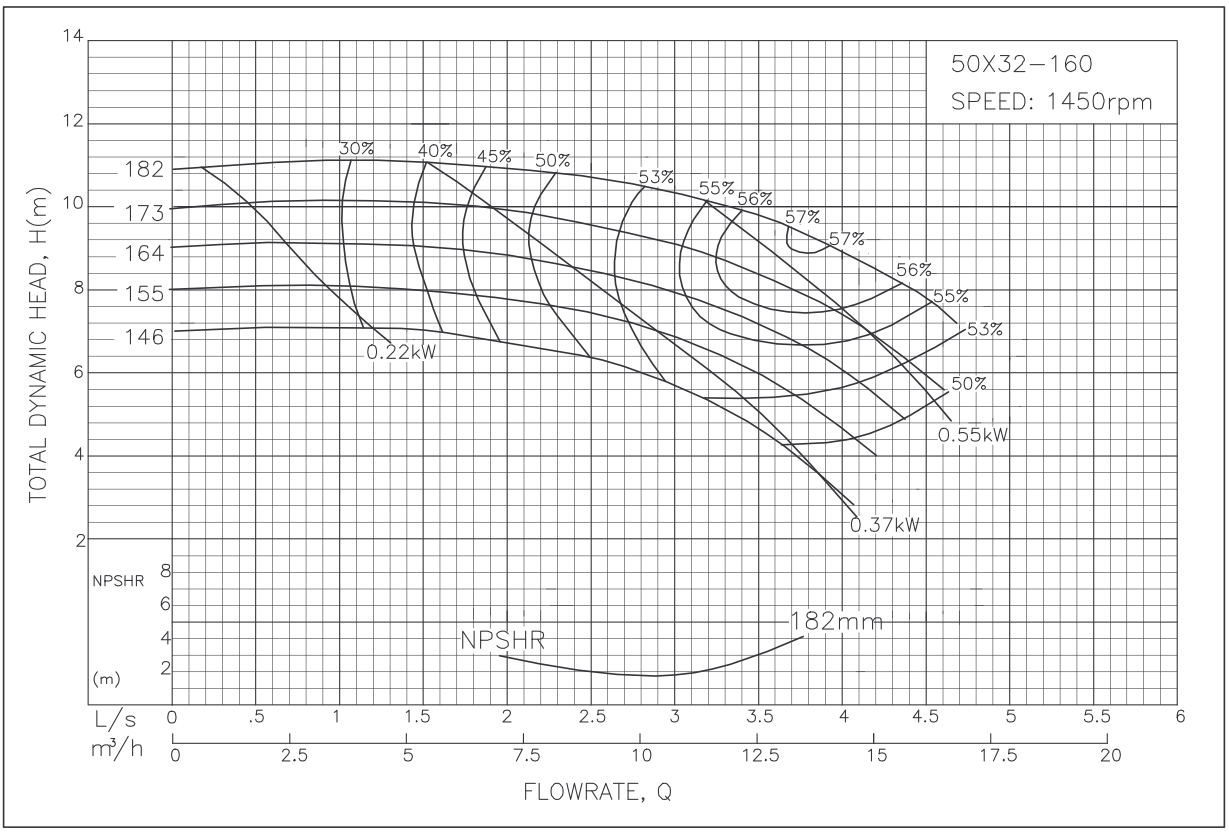
**Impeller nominal diameter (mm)**
For example: 160 = 1 60 mm

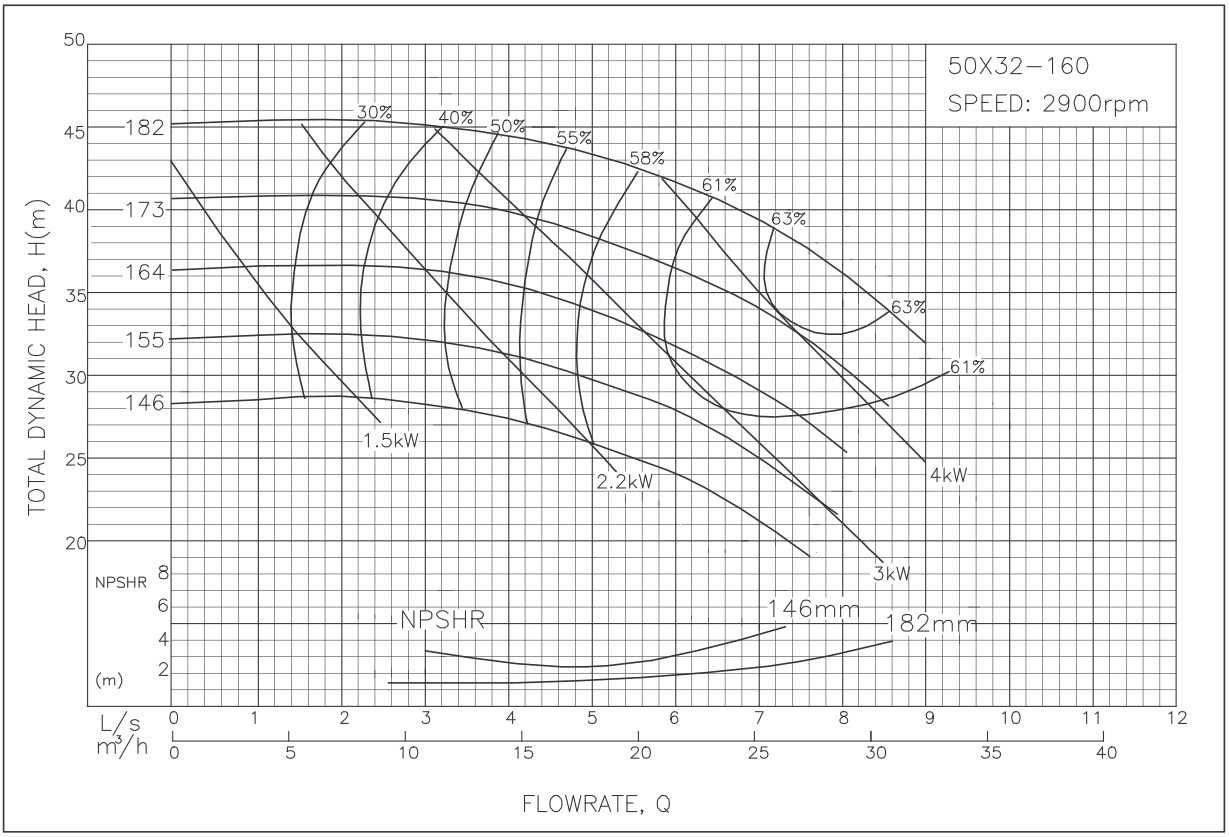
**Pump discharge diameter (mm)**
For example: 32 = DN 32

**Pump suction diameter (mm)**
For example: 50 = DN50

**GISO = Long Coupled (Frame Mount)**
**GIS = Close Coupled (Stub Shaft)**

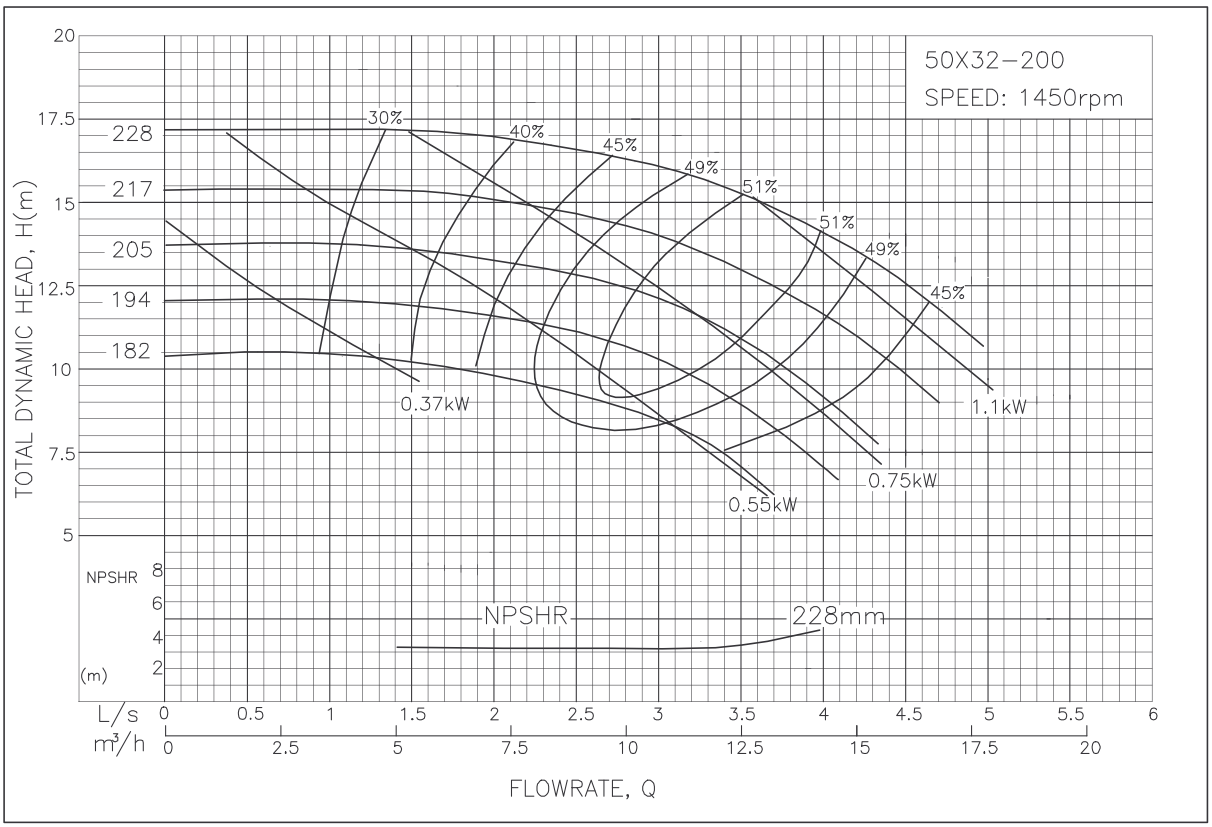
# ISO End Suction Centrifugal Pump - 50x32-160 Performance Curve

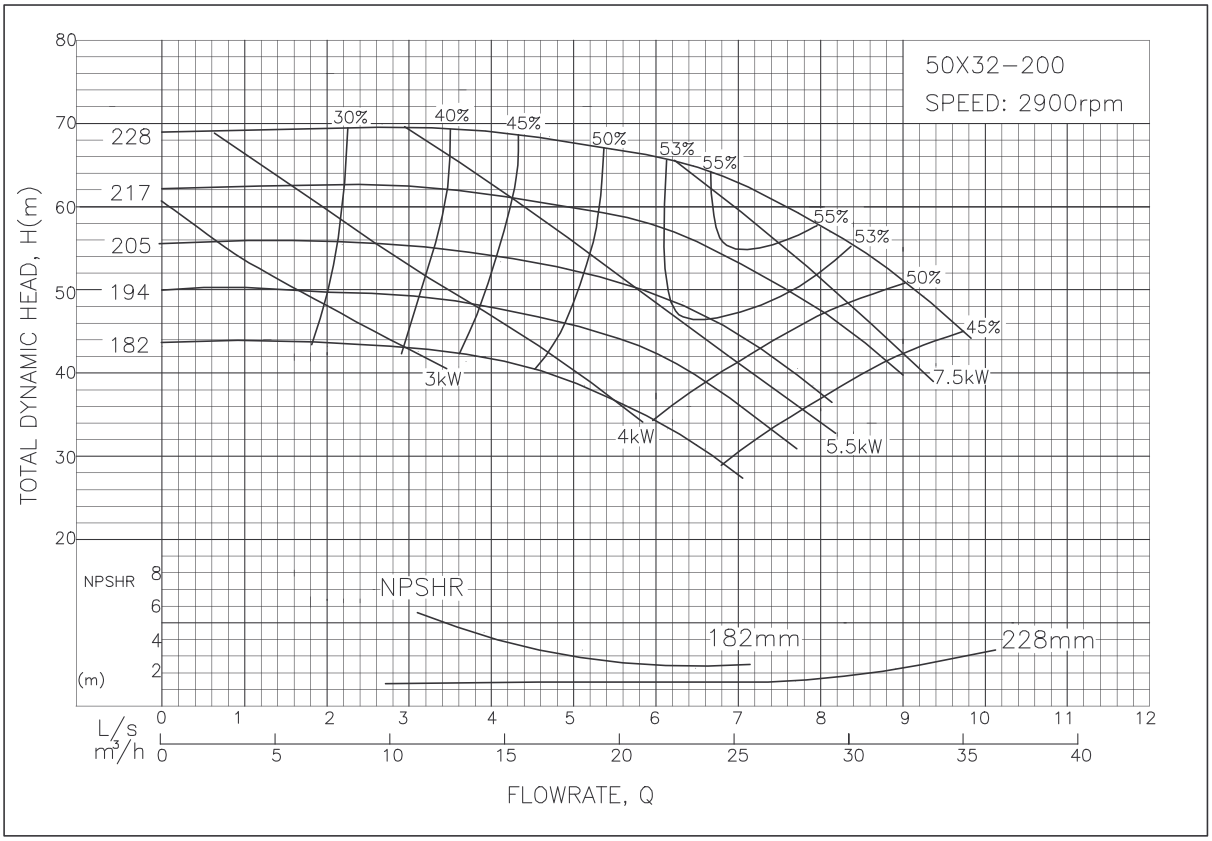



Above performance for standard construction. The efficiency correction for all stainless steel construction to be -4%.

# ISO End Suction Centrifugal Pump - 50x32-200 Performance Curve

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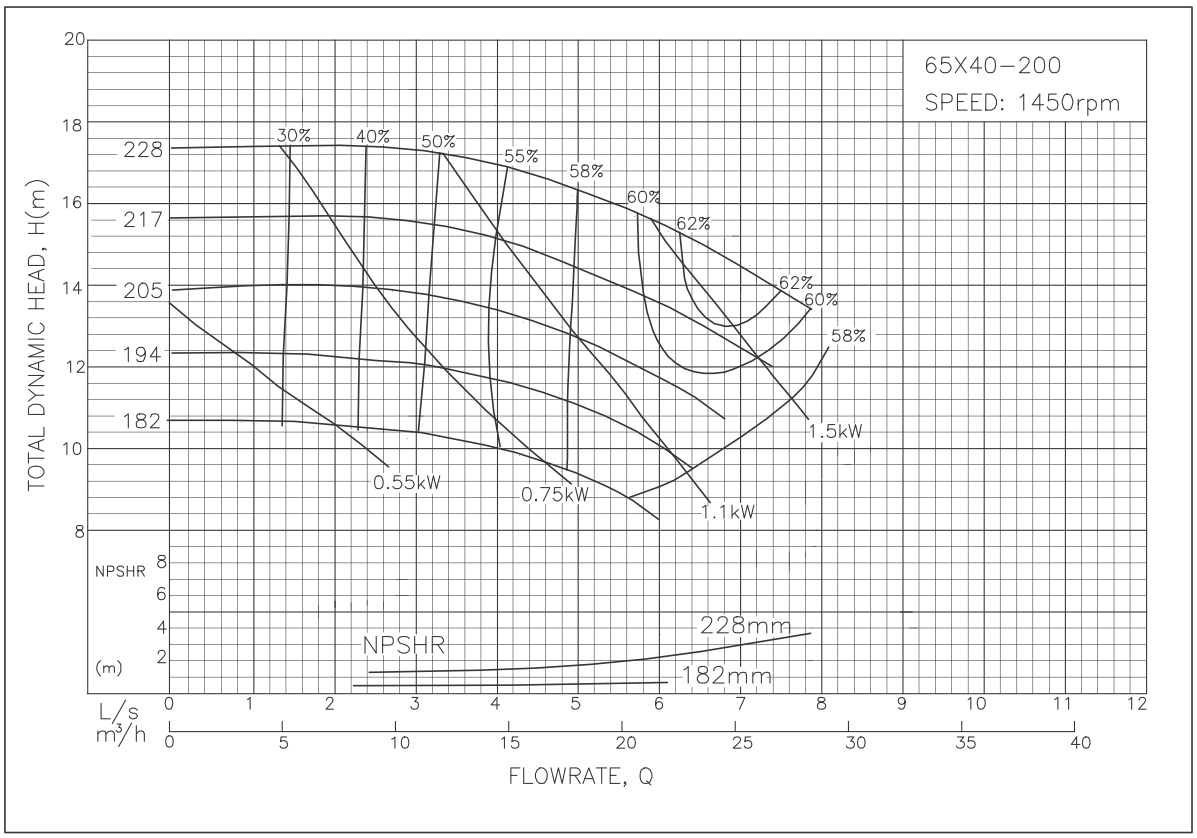
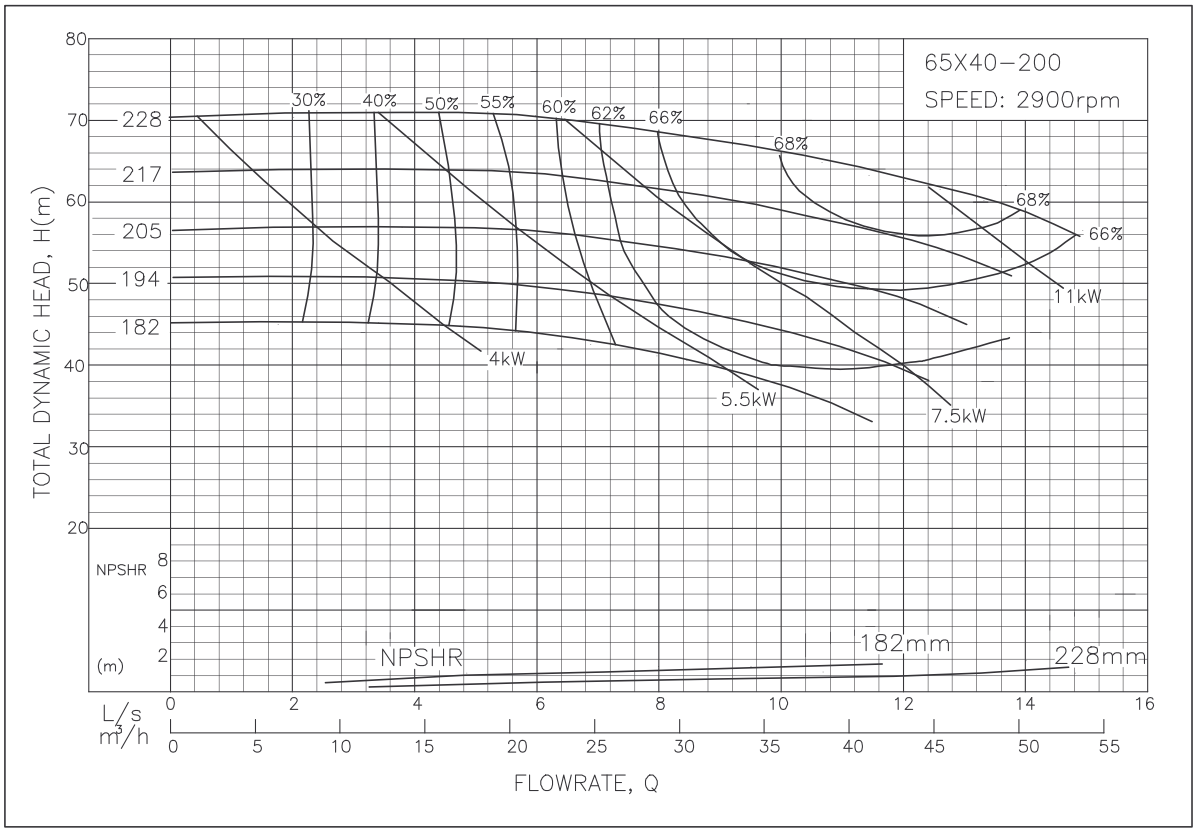
# ISO End Suction Centrifugal Pump - 65x40-200 Performance Curve

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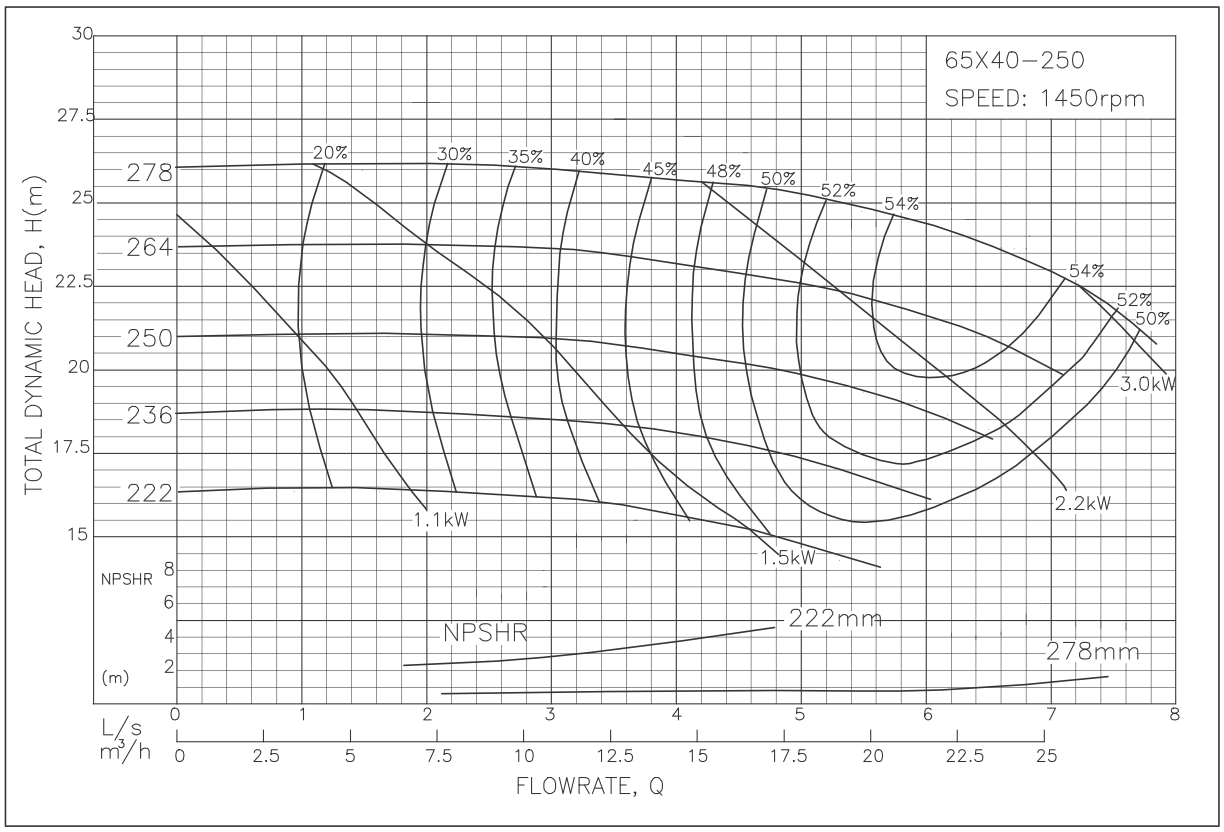
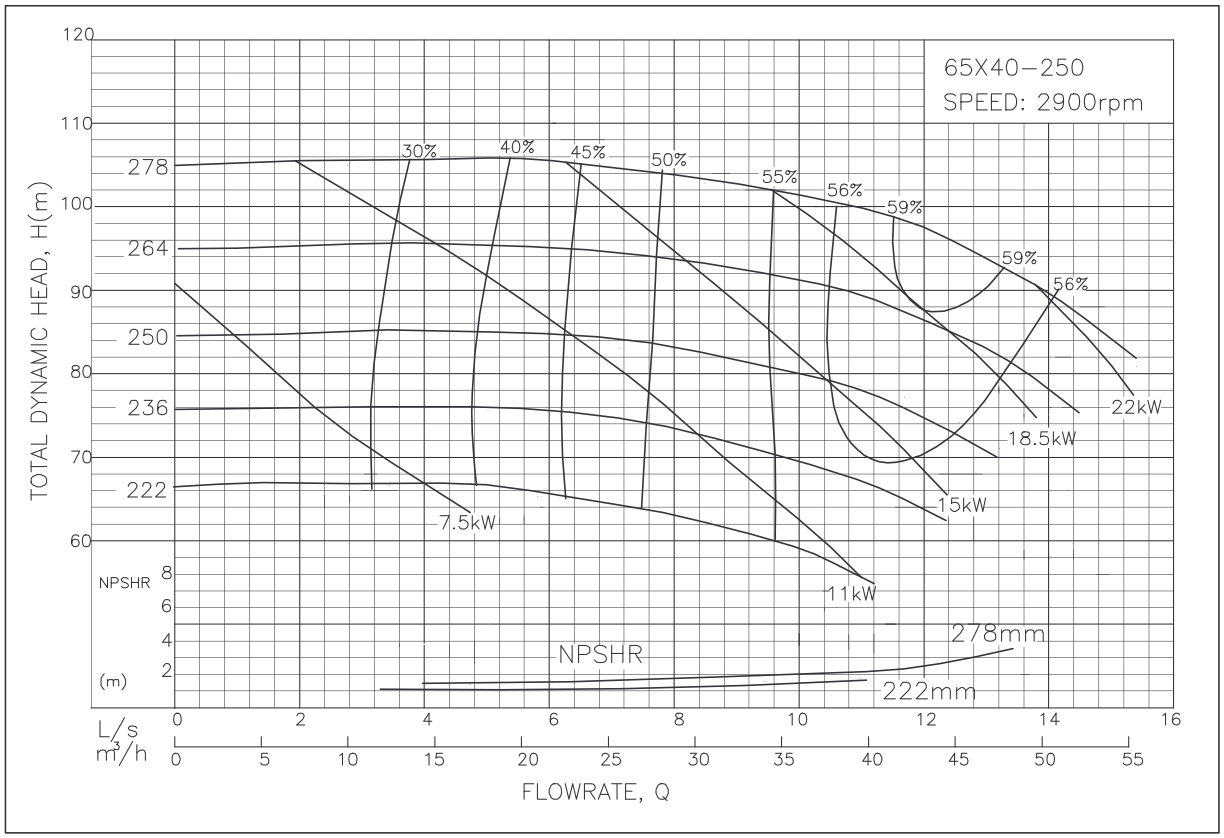
# ISO End Suction Centrifugal Pump - 65x40-250 Performance Curve

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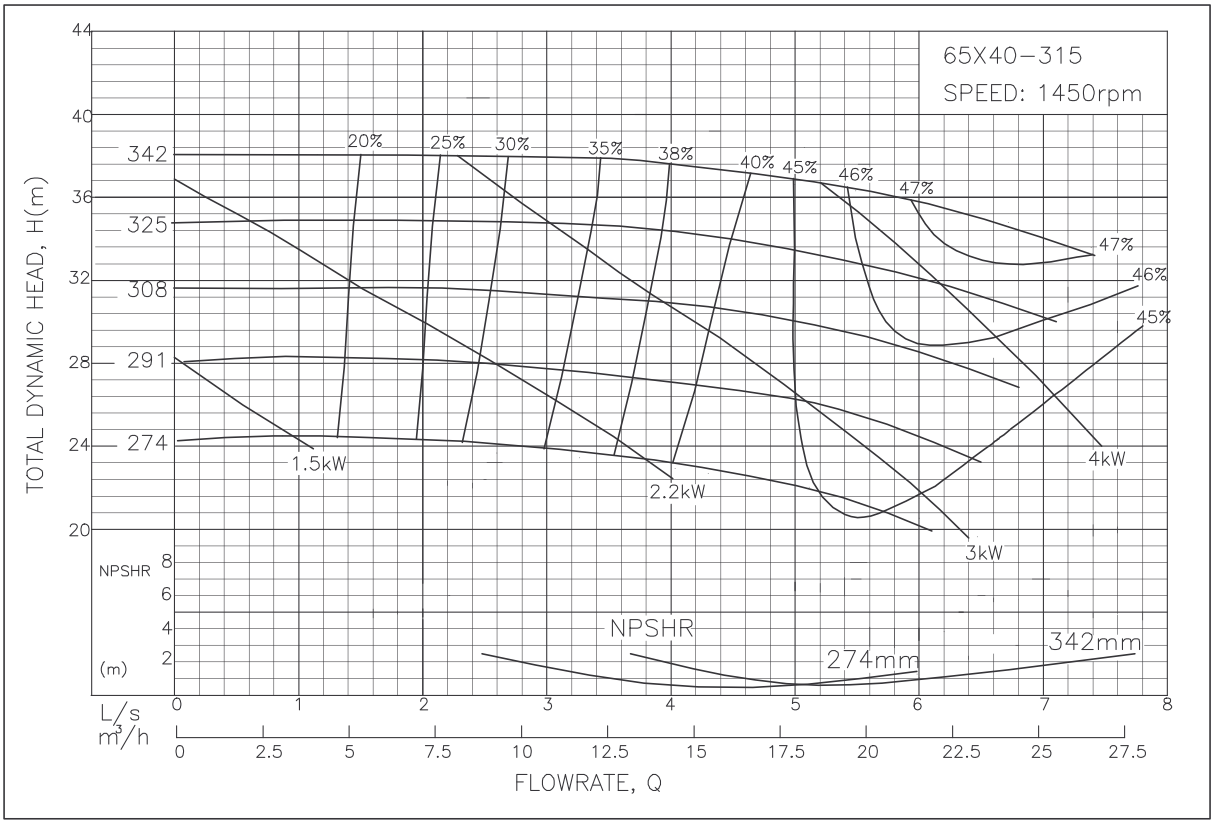
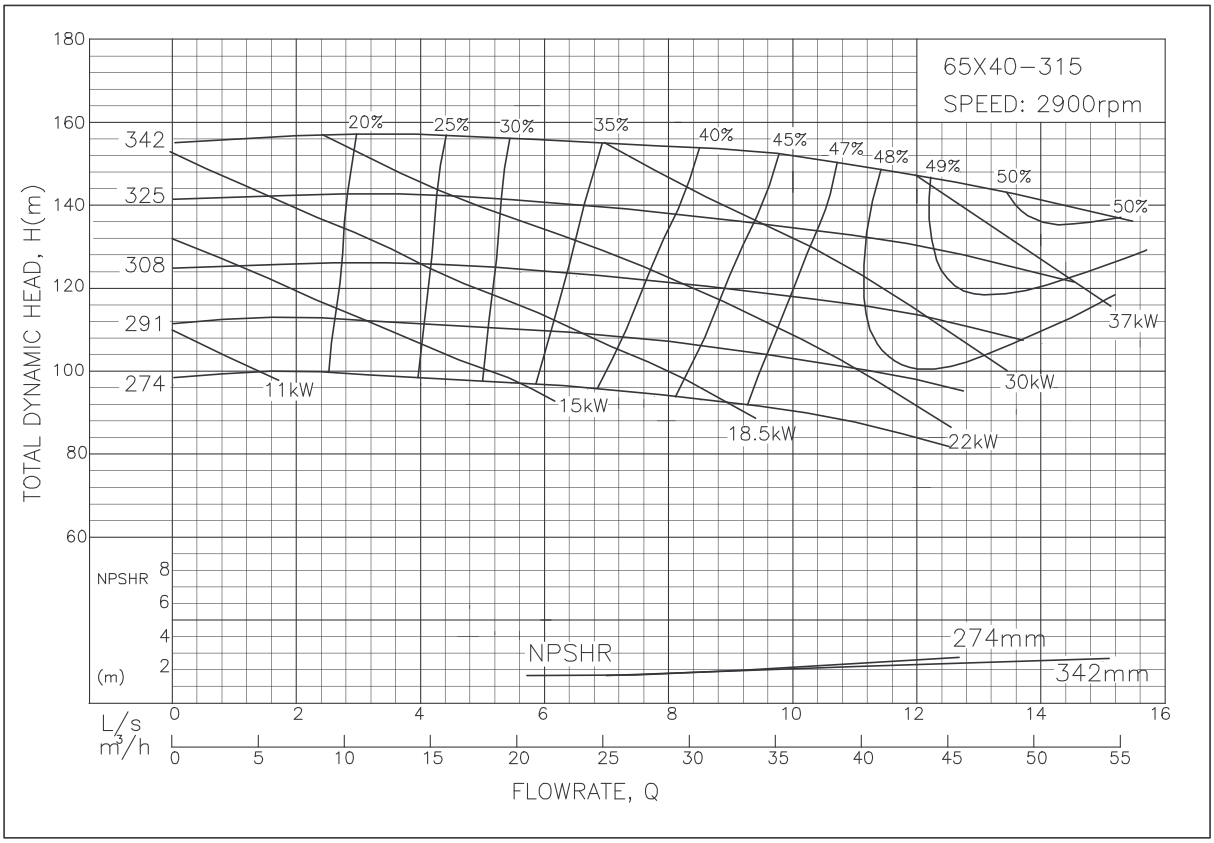
# ISO End Suction Centrifugal Pump - 65x40-315 Performance Curve

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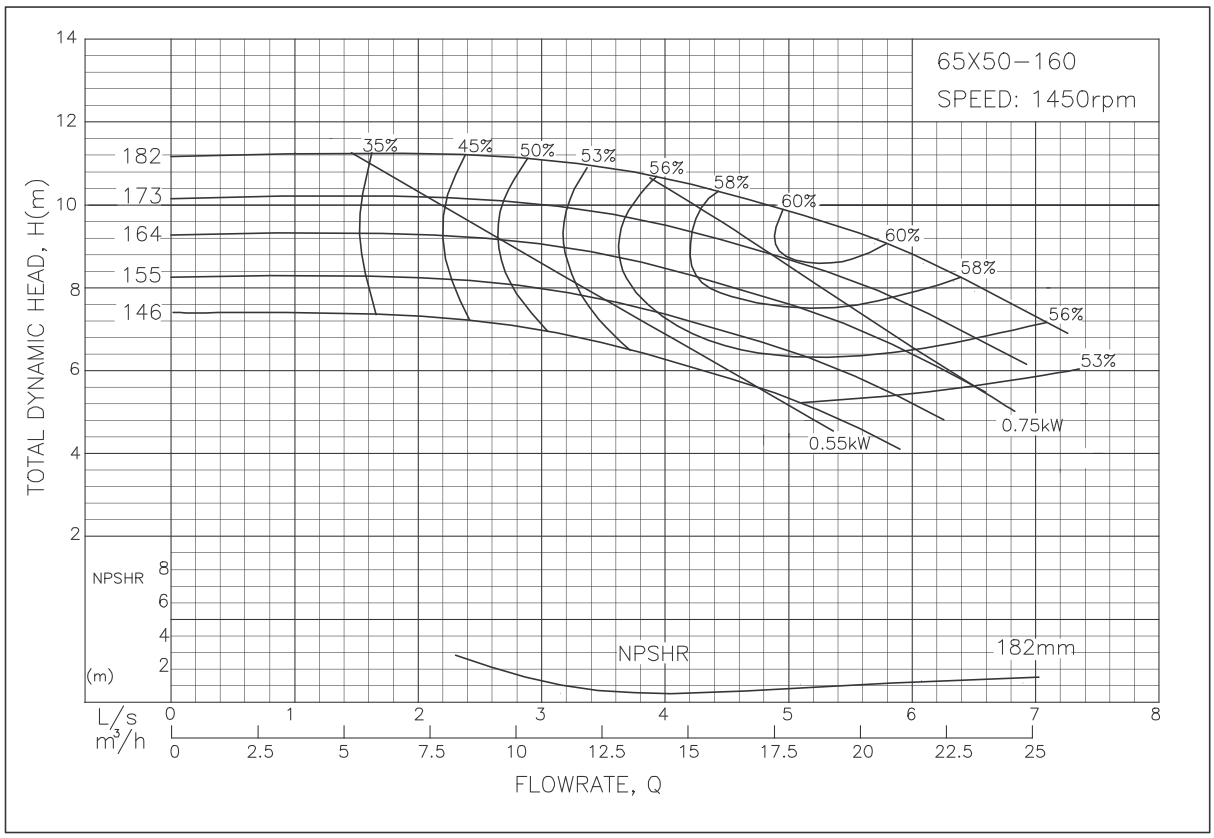
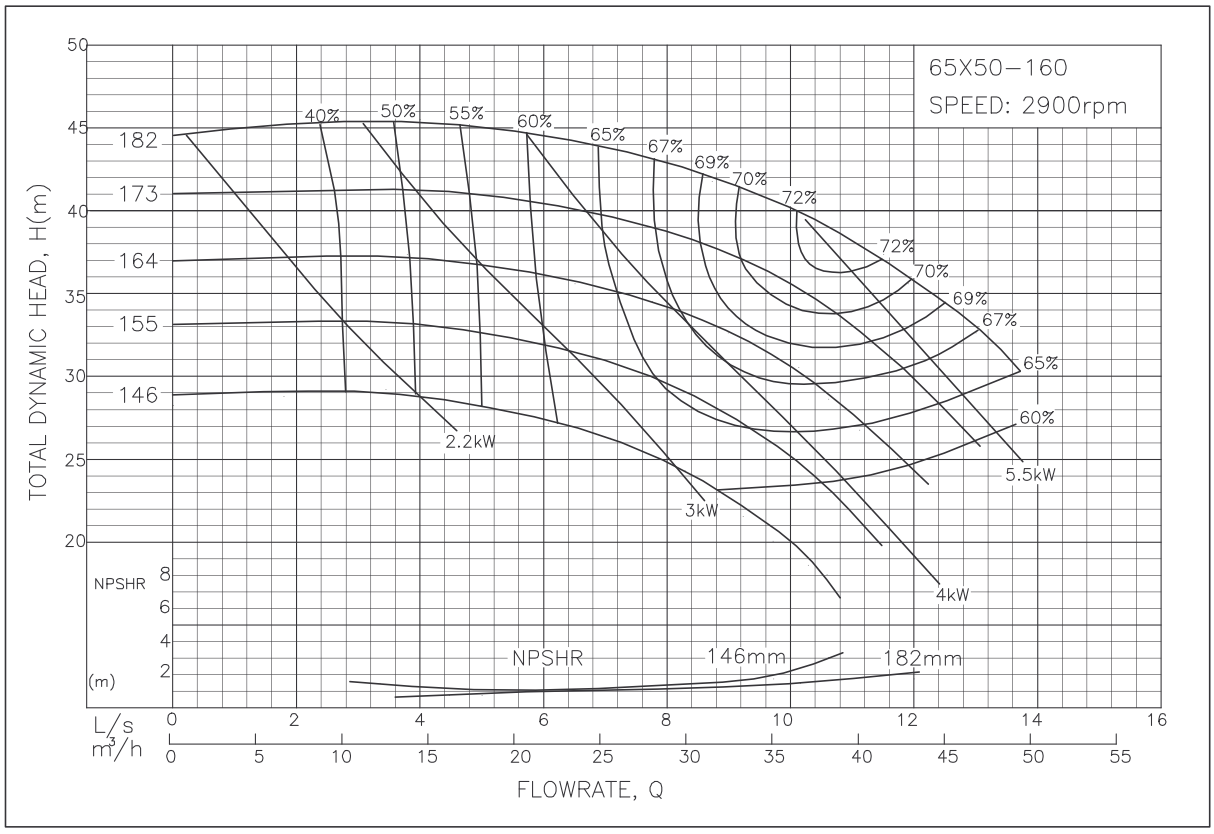
# ISO End Suction Centrifugal Pump - 65x50-160 Performance Curve

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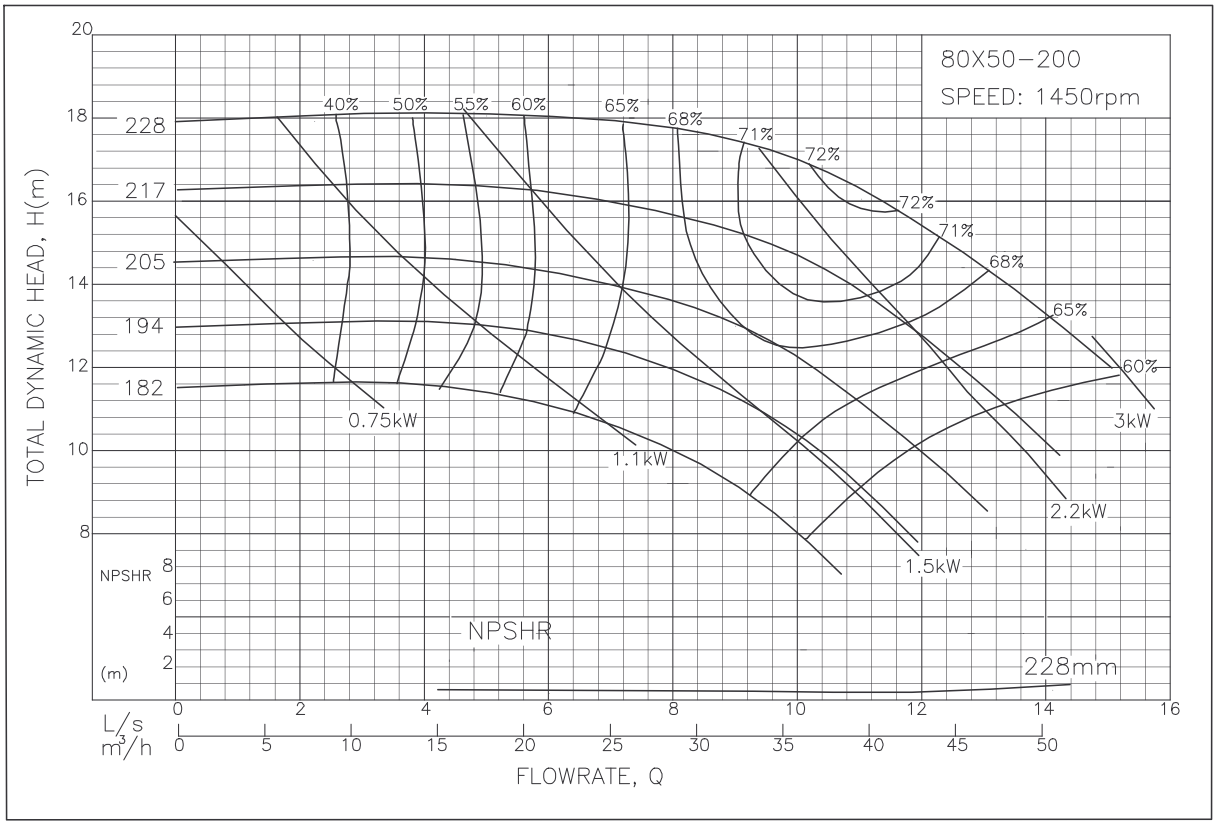
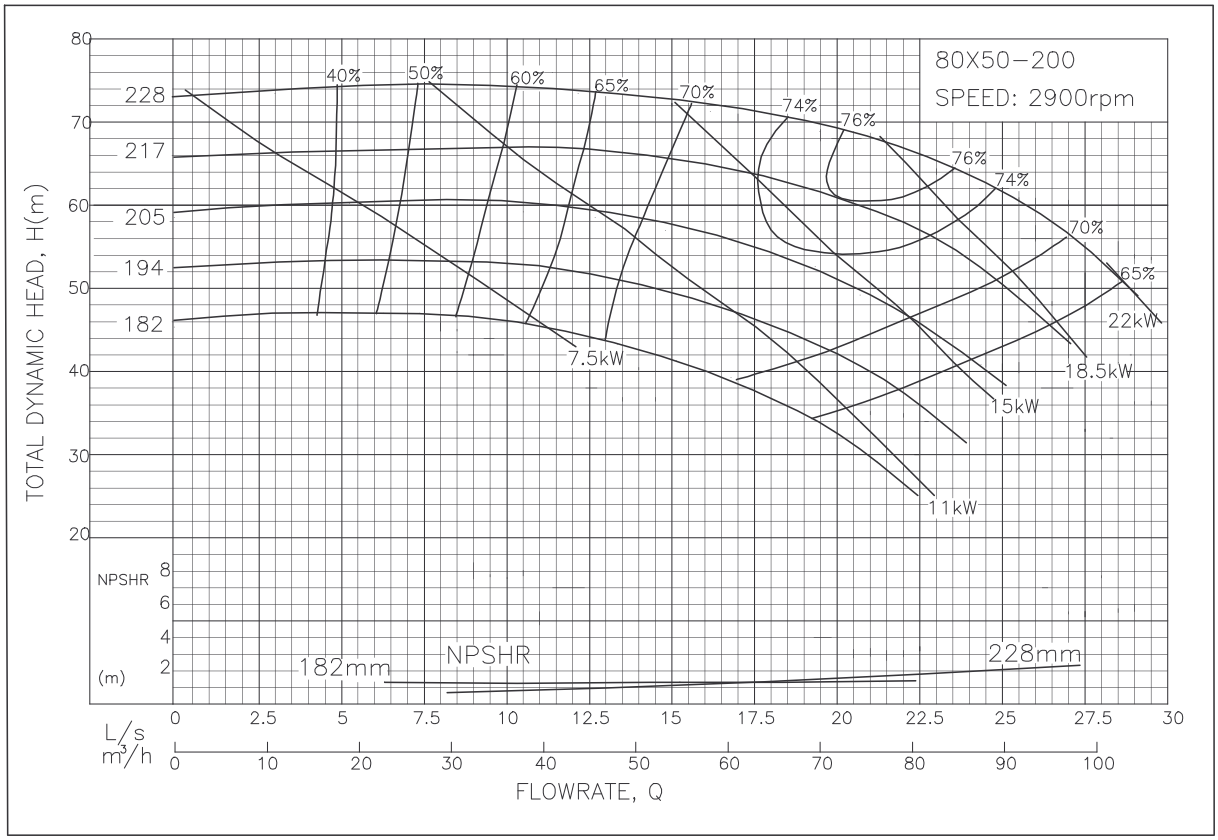
# ISO End Suction Centrifugal Pump - 80x50-200 Performance Curve

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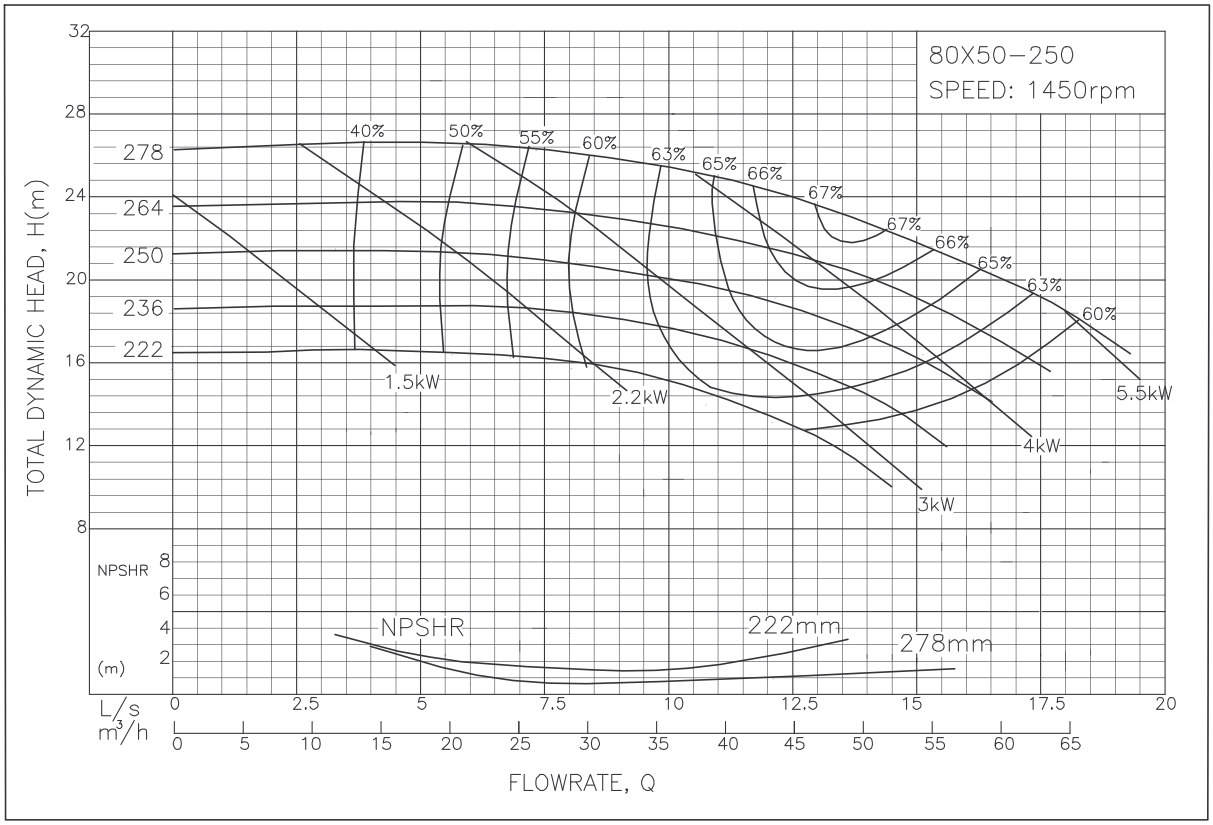
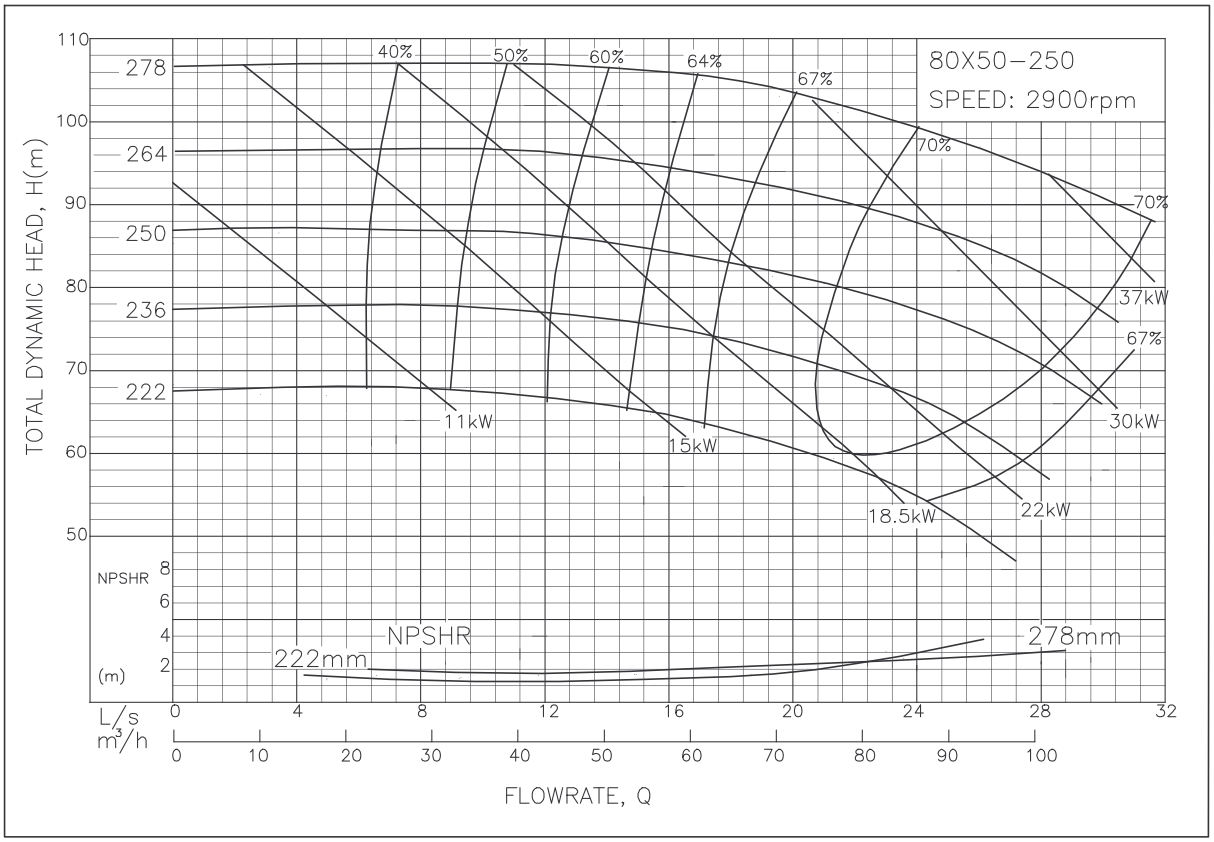
# ISO End Suction Centrifugal Pump - 80x50-250 Performance Curve

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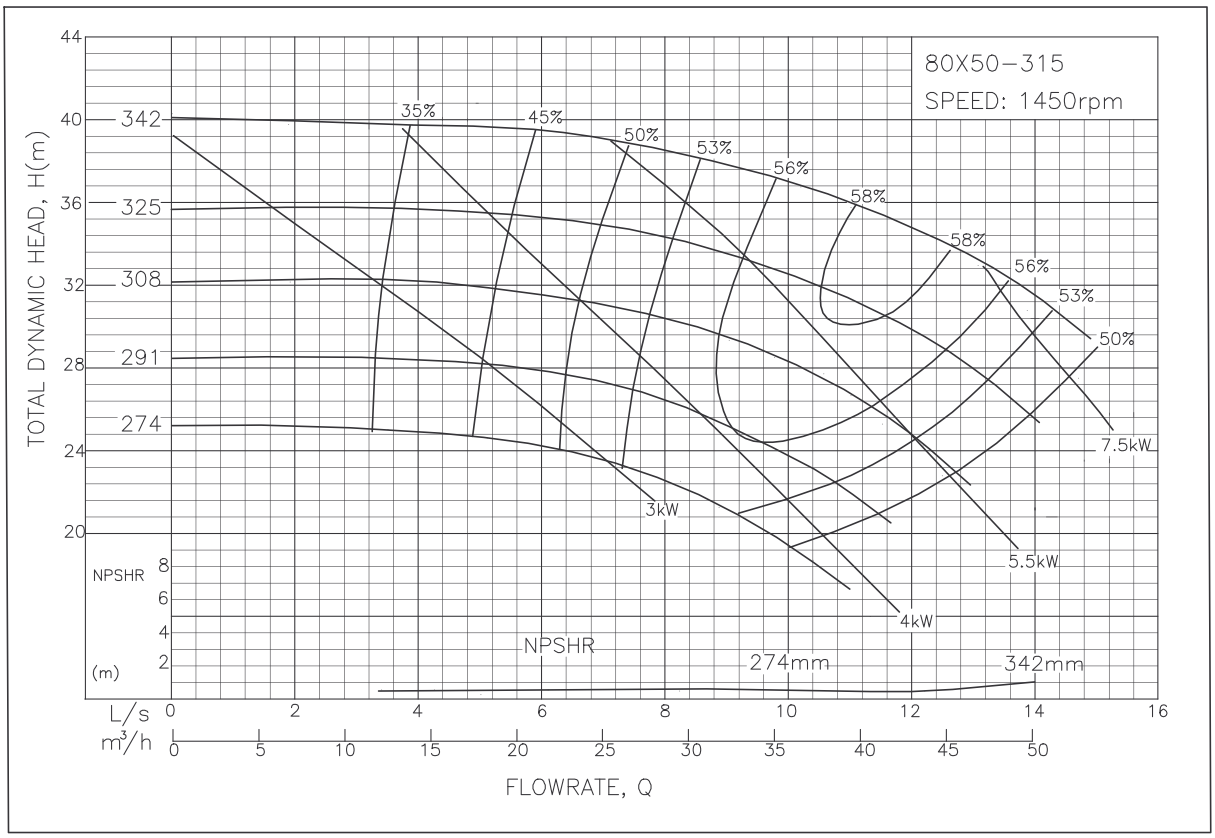
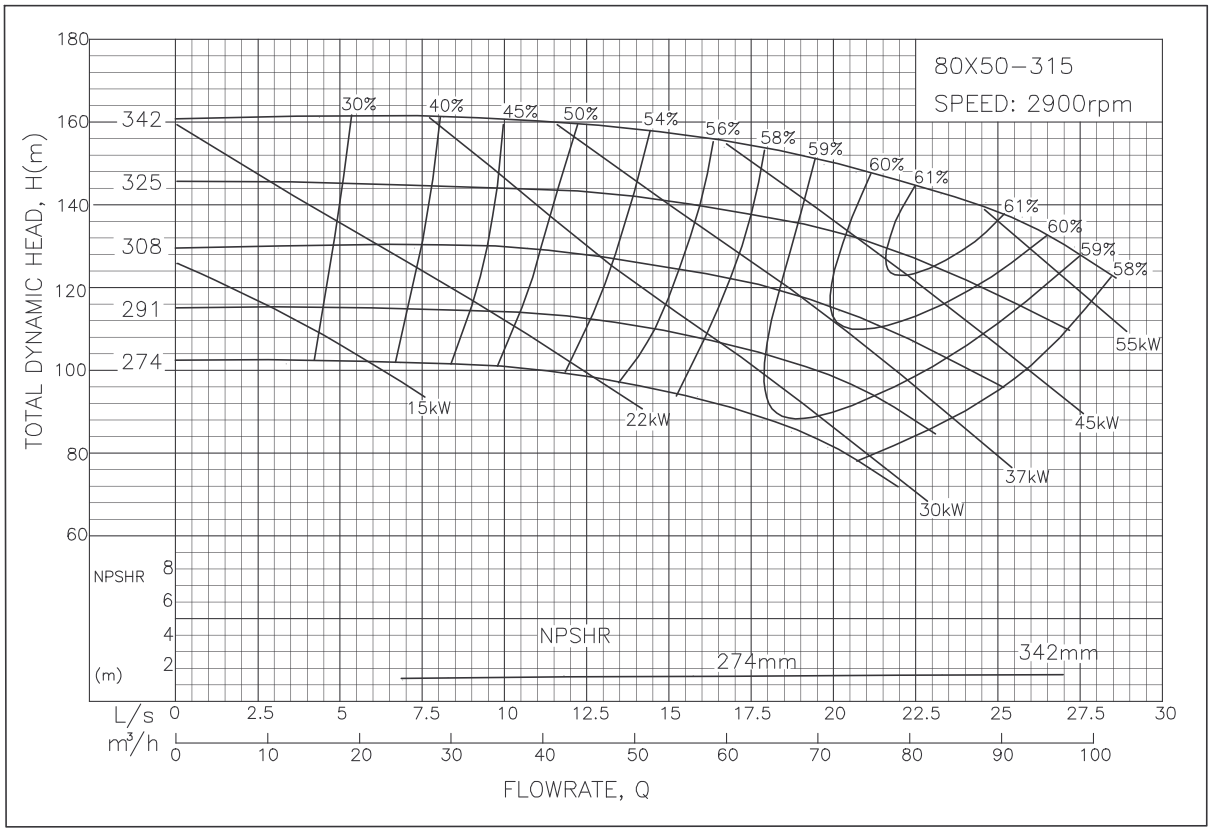
# ISO End Suction Centrifugal Pump - 80x50-315 Performance Curve

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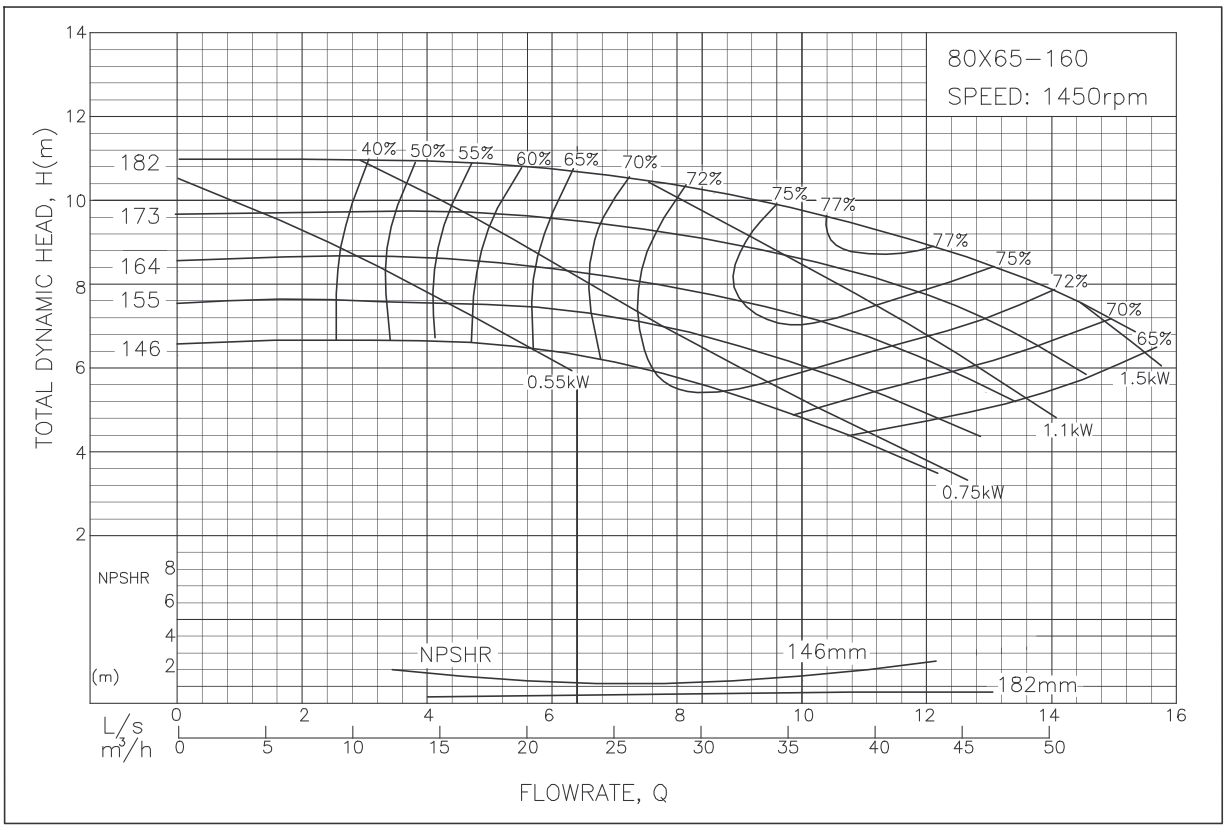
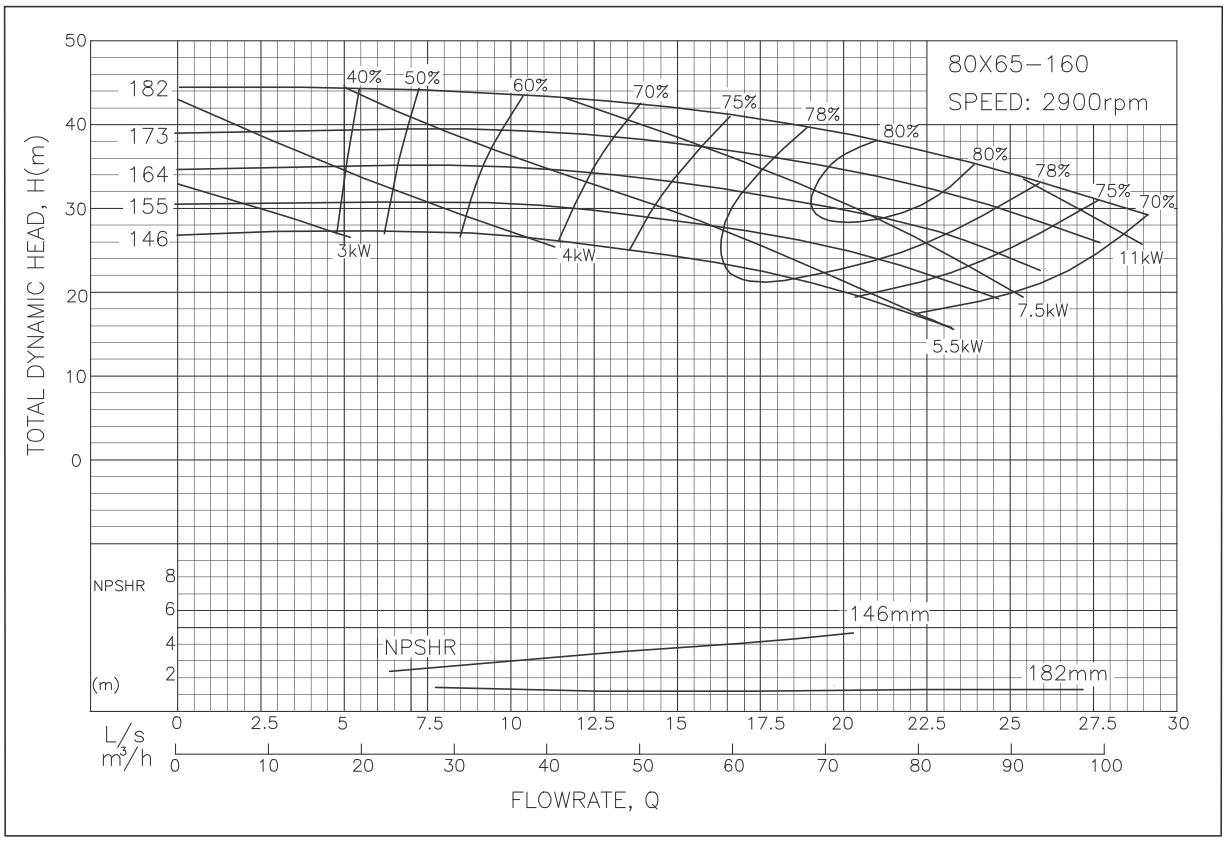
# ISO End Suction Centrifugal Pump - 80x65-160 Performance Curve

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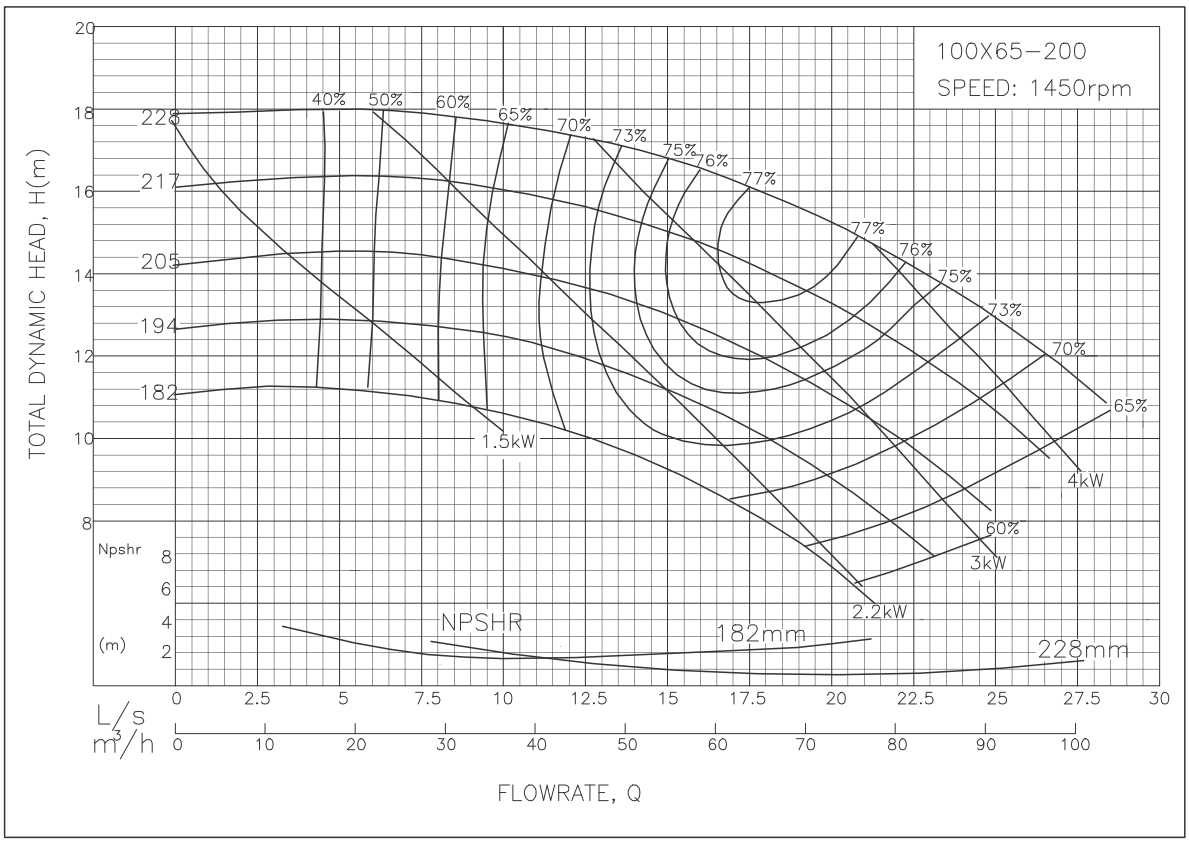
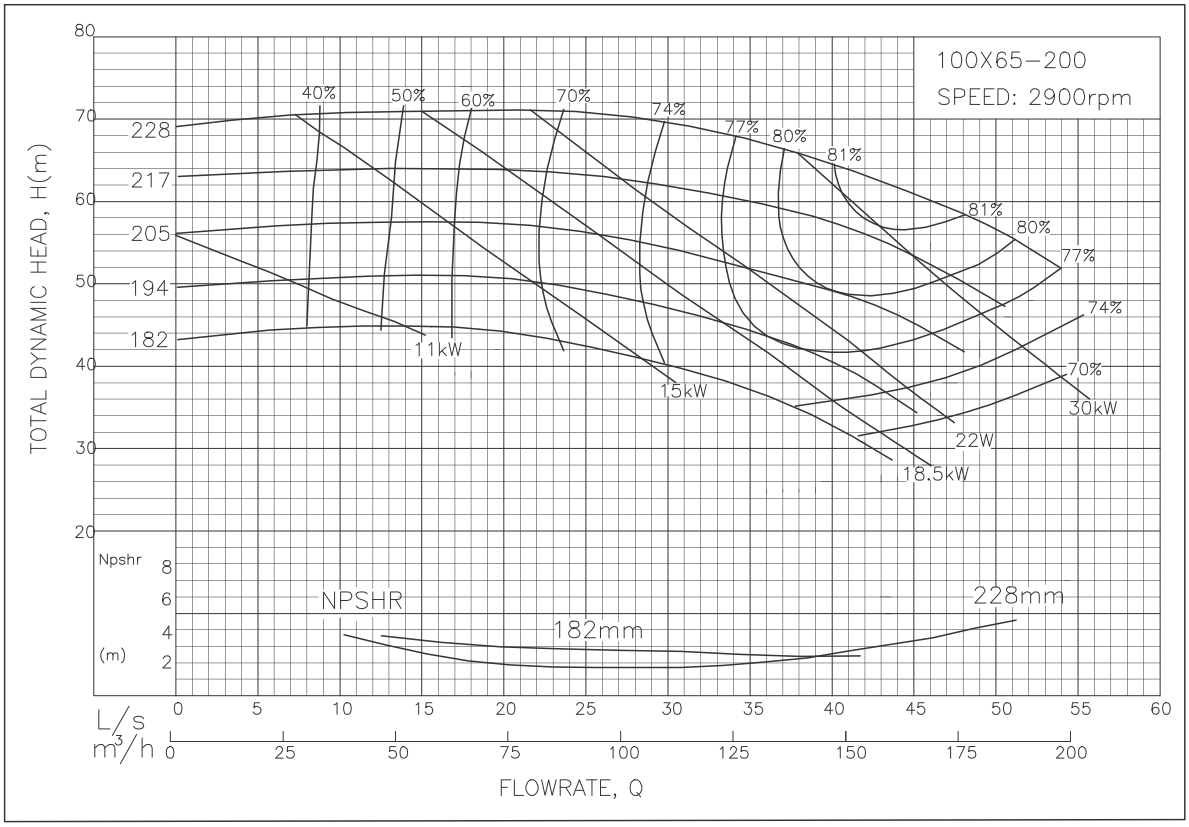
# ISO End Suction Centrifugal Pump - 100x65-200 Performance Curve

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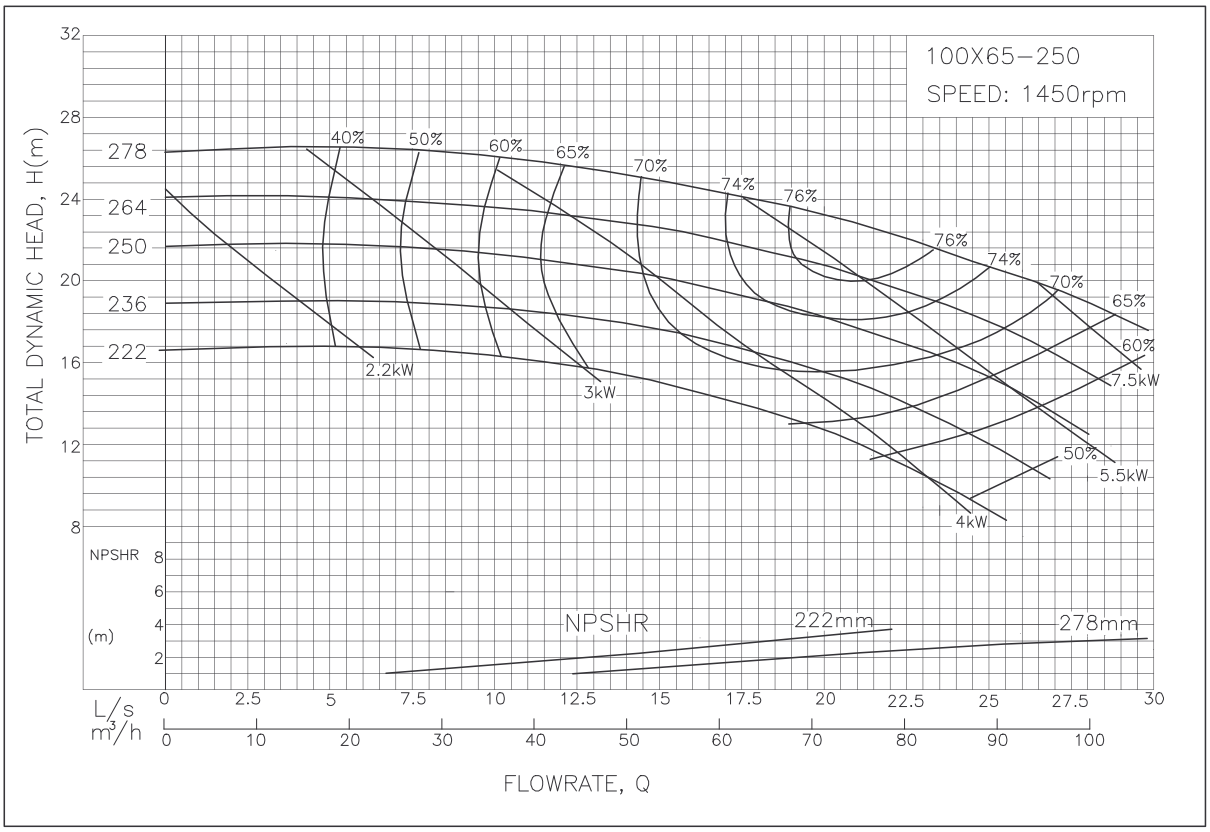
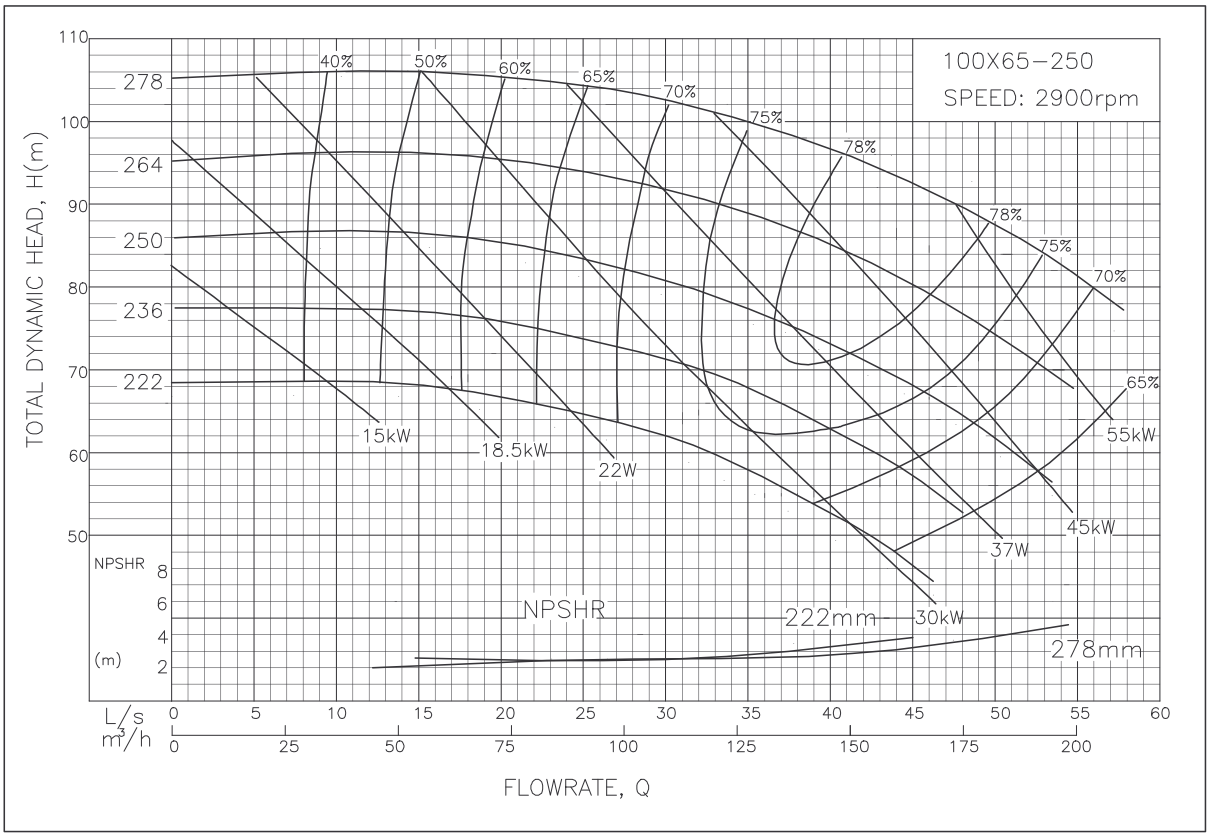
# ISO End Suction Centrifugal Pump - 100x65-250 Performance Curve

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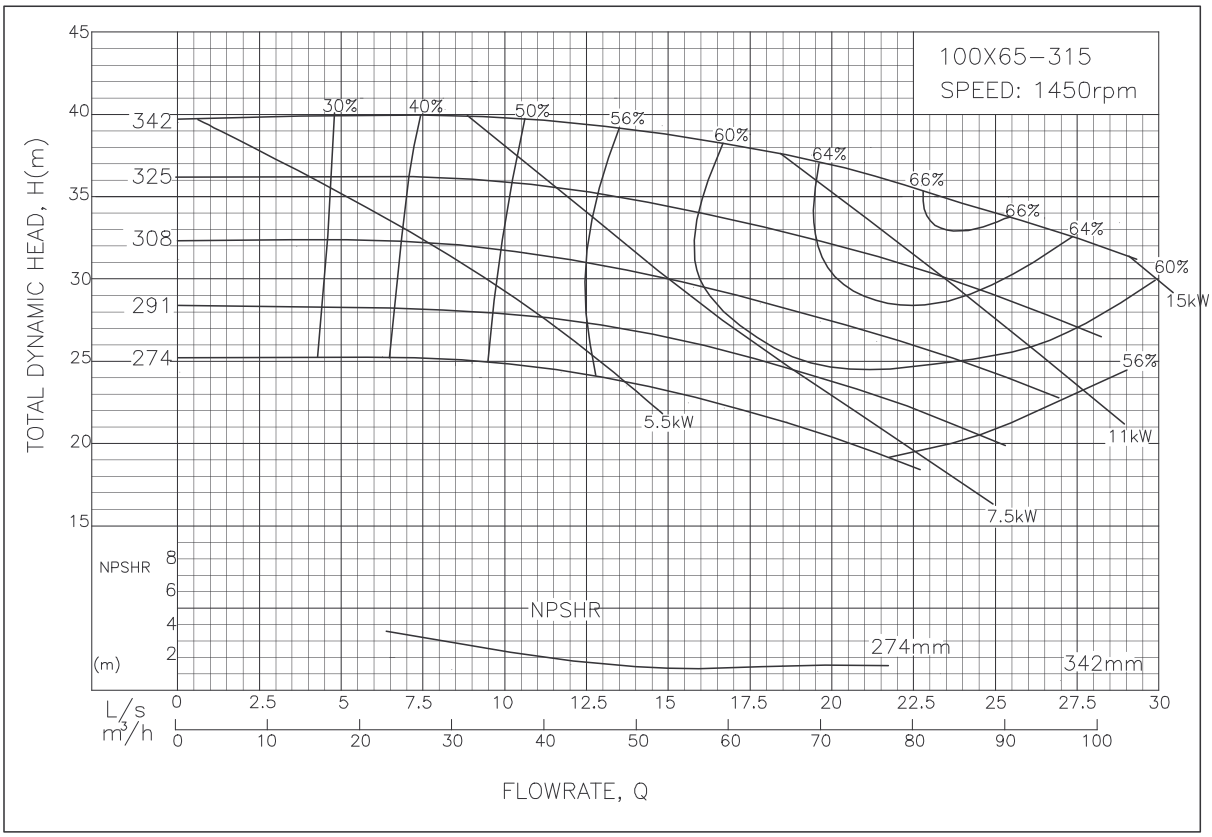
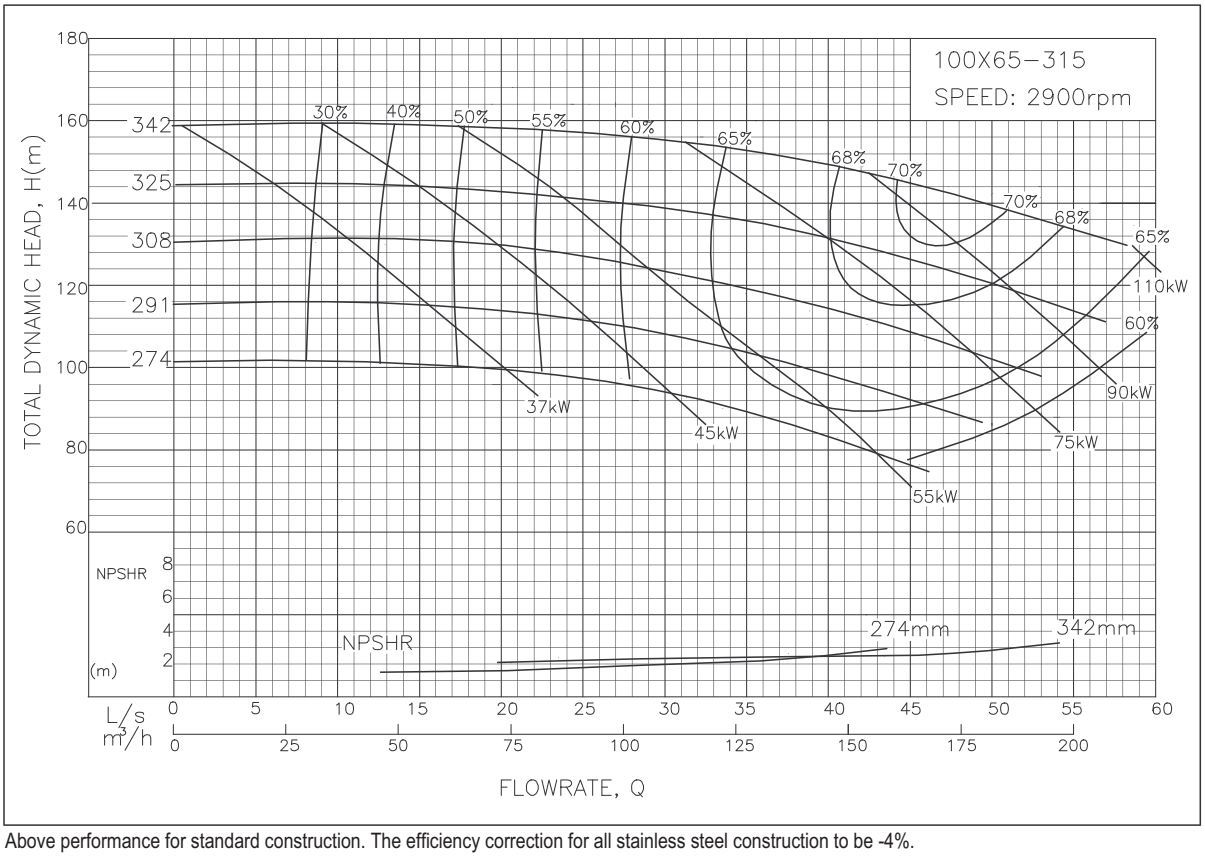
# ISO End Suction Centrifugal Pump - 100x65-315 Performance Curve

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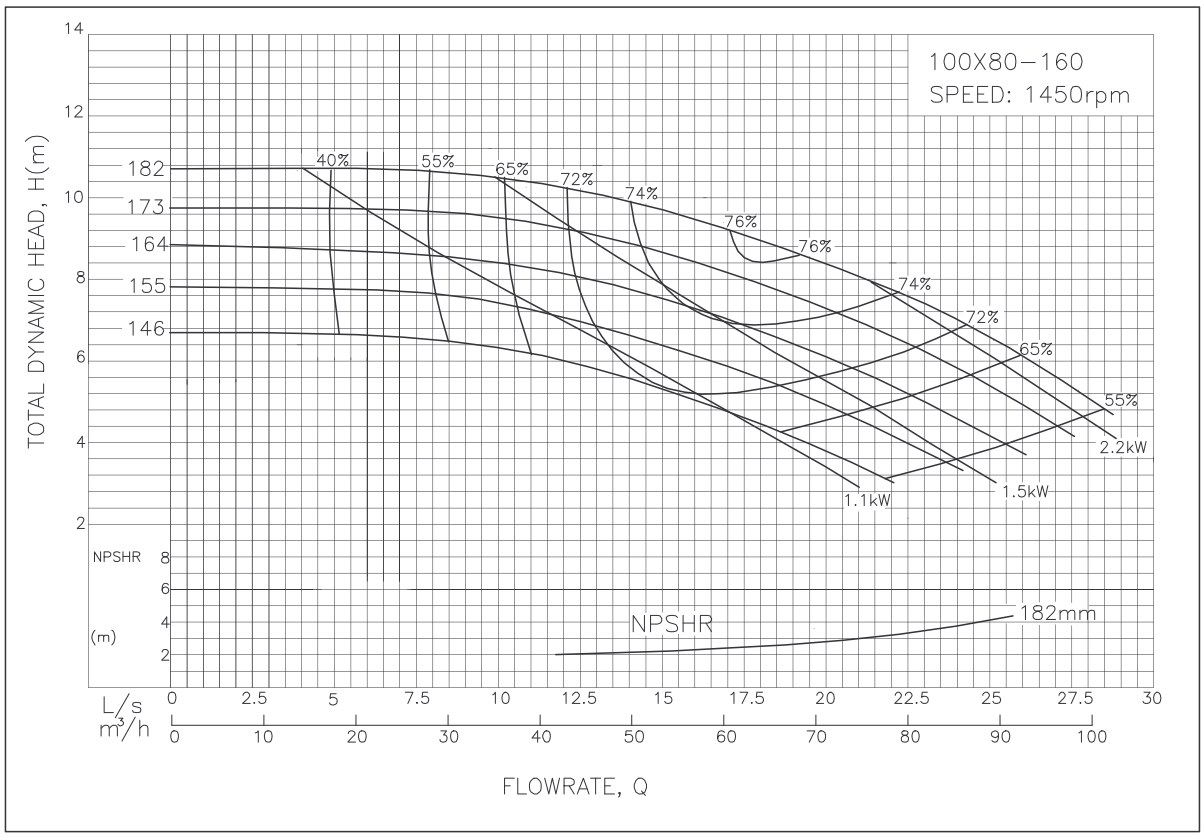
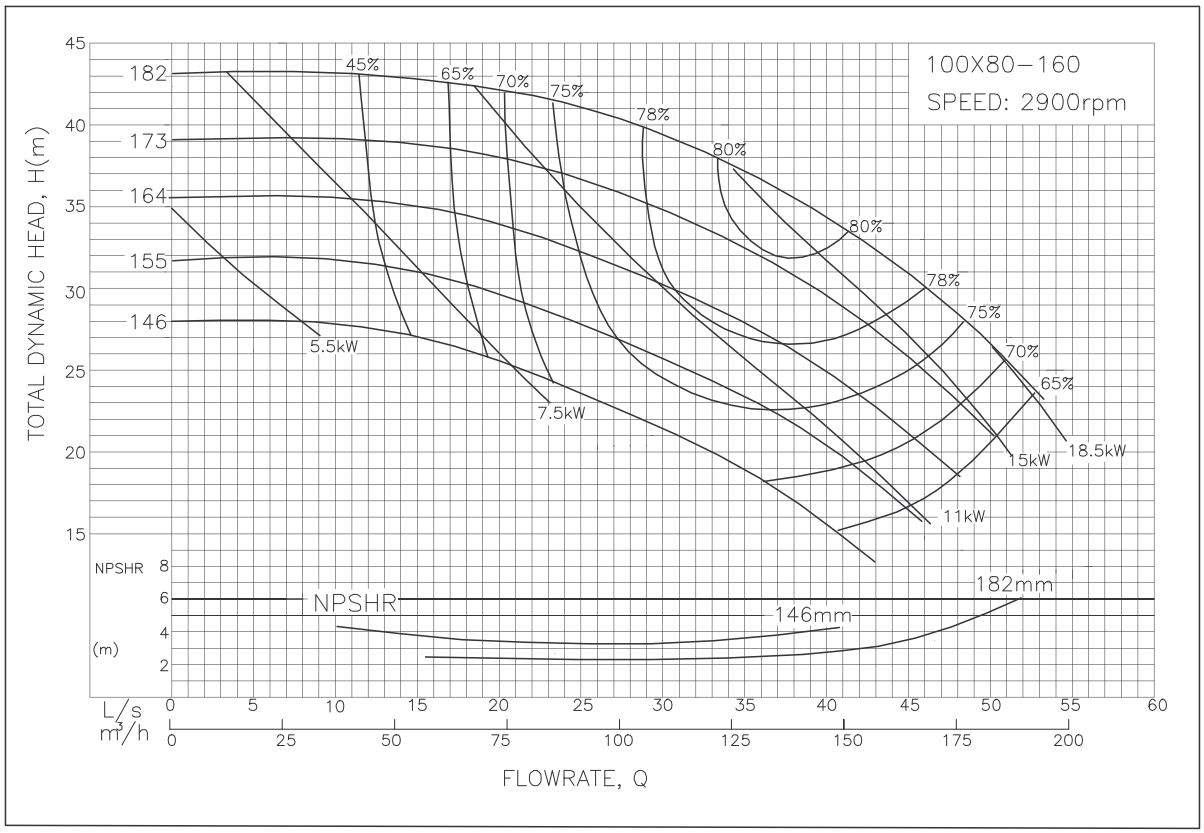
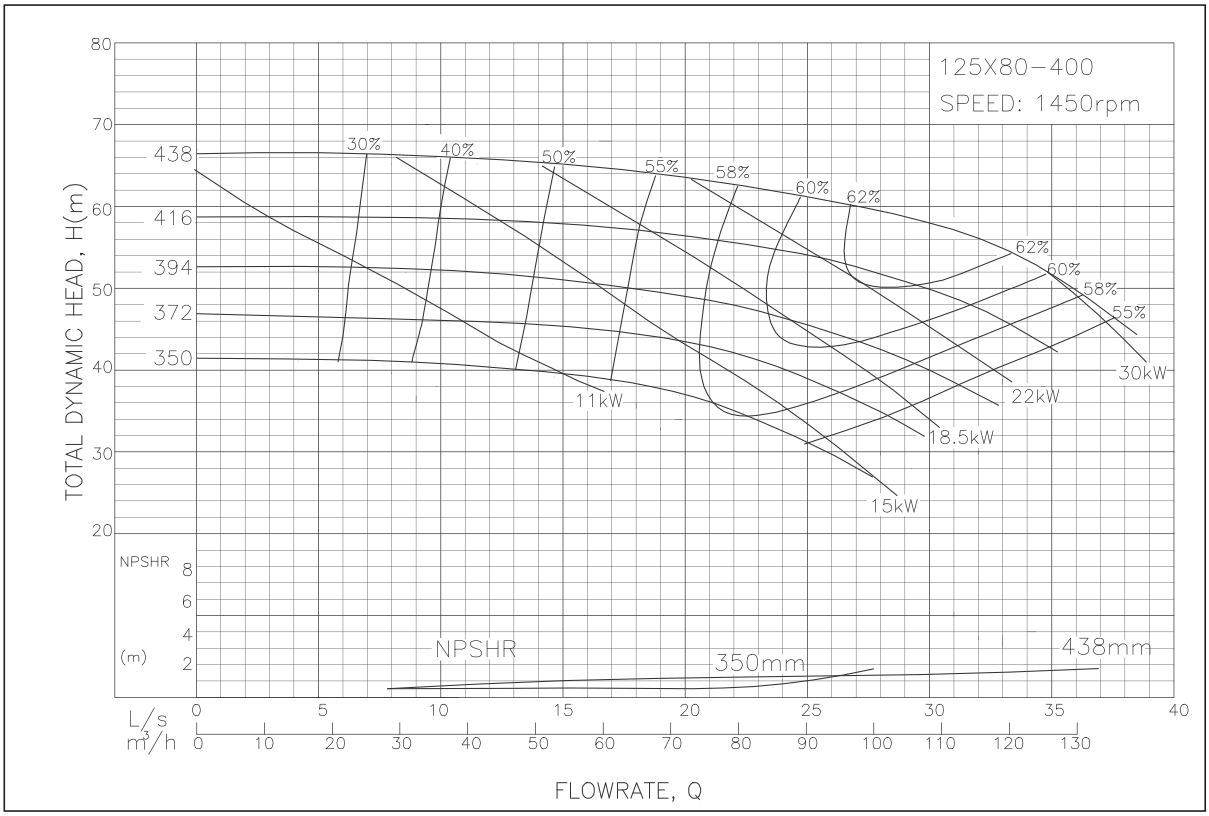
# ISO End Suction Centrifugal Pump - 100x80-160 Performance Curve




Above performance for standard construction. The efficiency correction for all stainless steel construction to be -4%.

# ISO End Suction Centrifugal Pump - 125x80-400 Performance Curve (Not Available in 2900 RPM)

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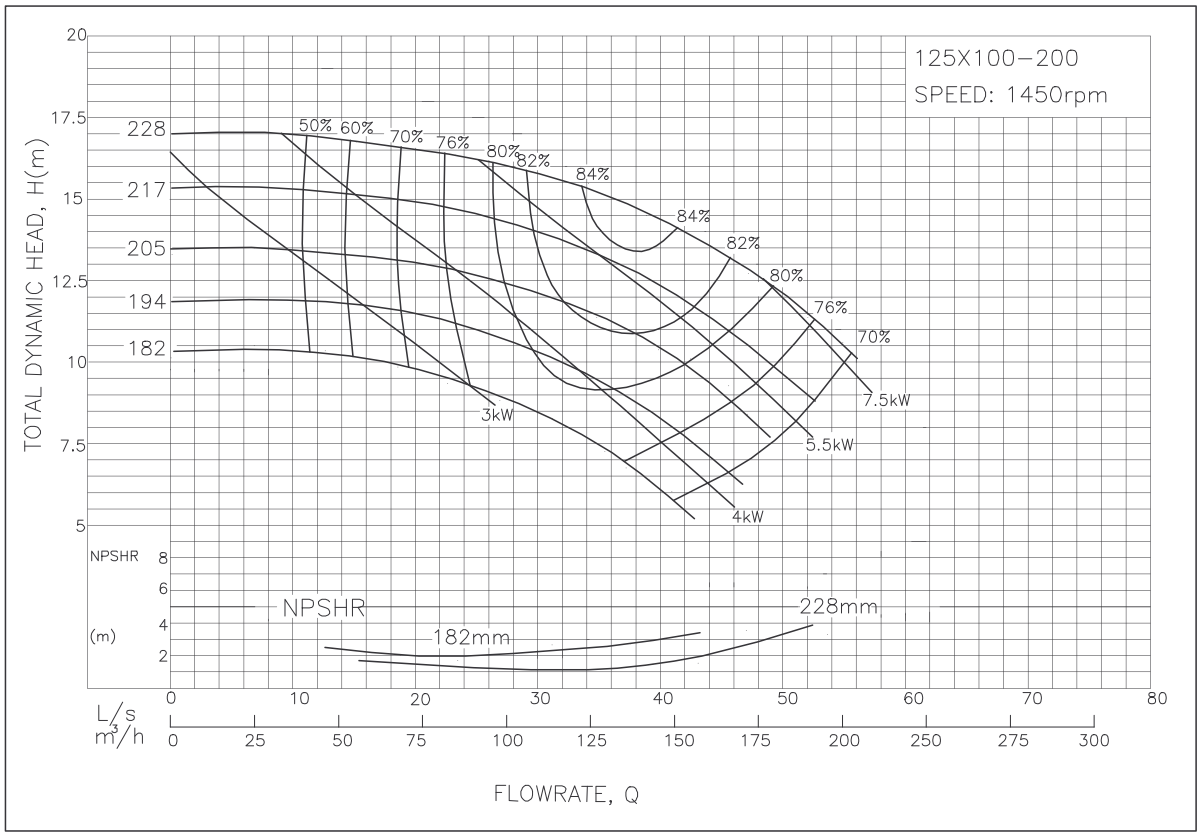
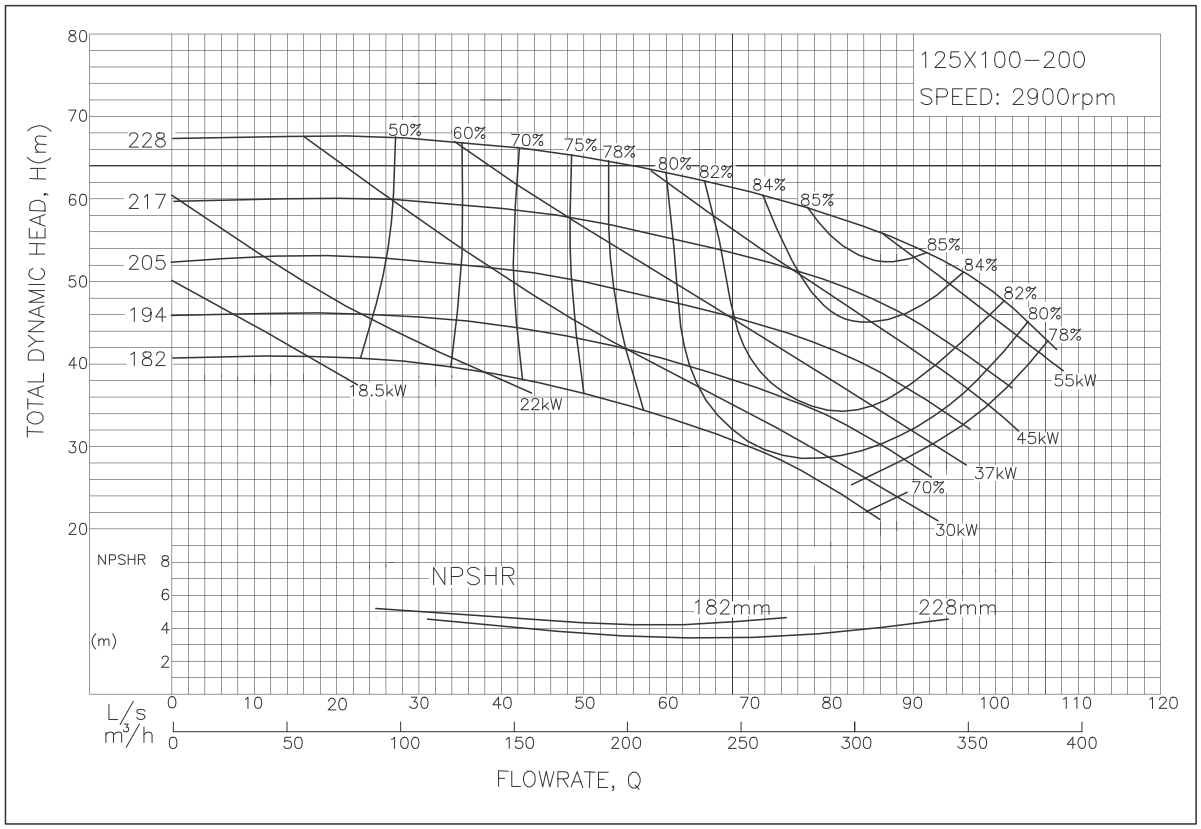
# ISO End Suction Centrifugal Pump - 125x100-200 Performance Curve

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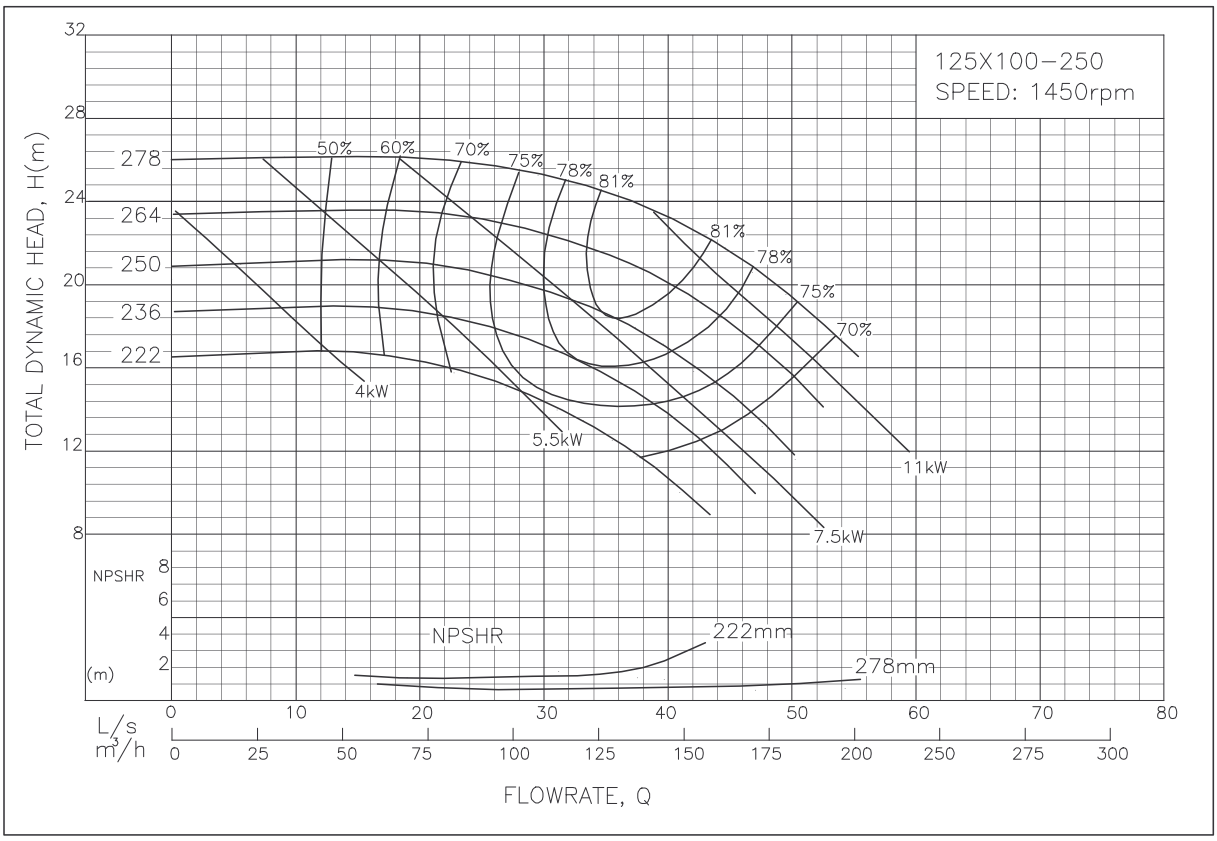
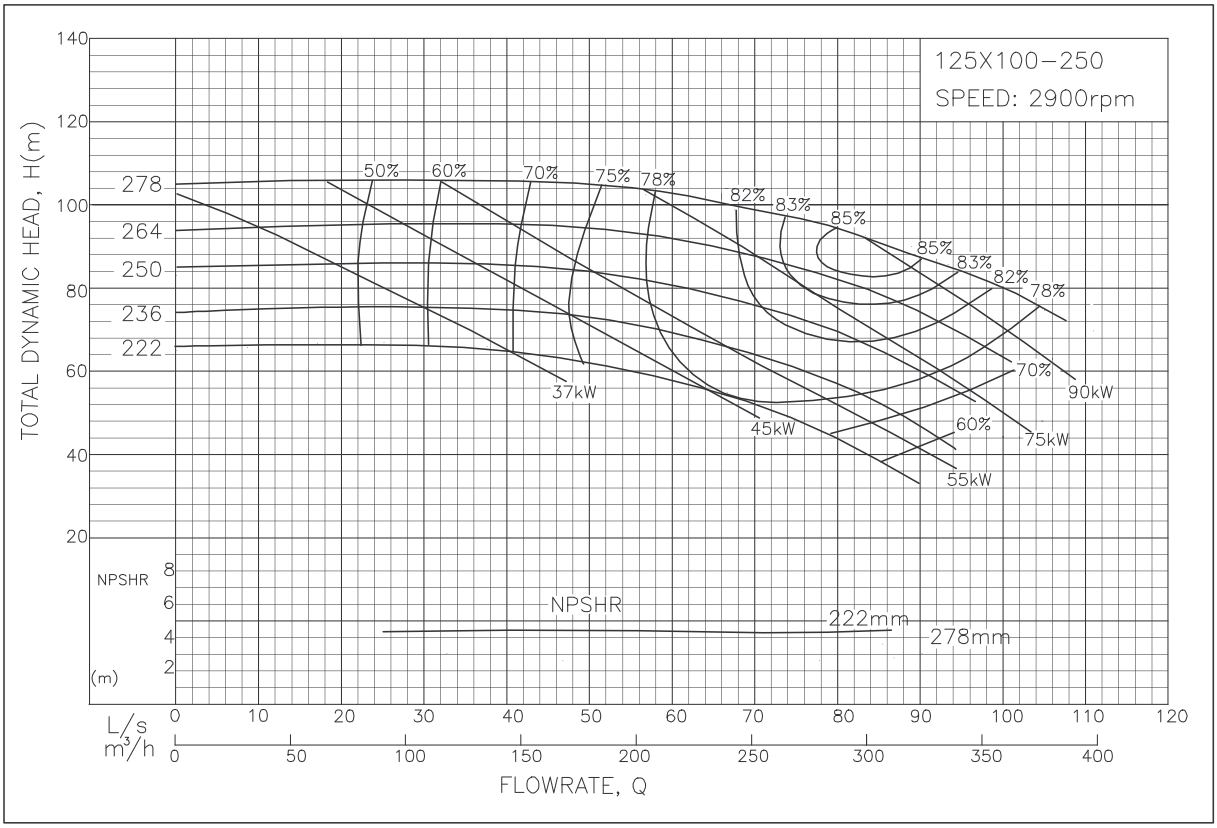
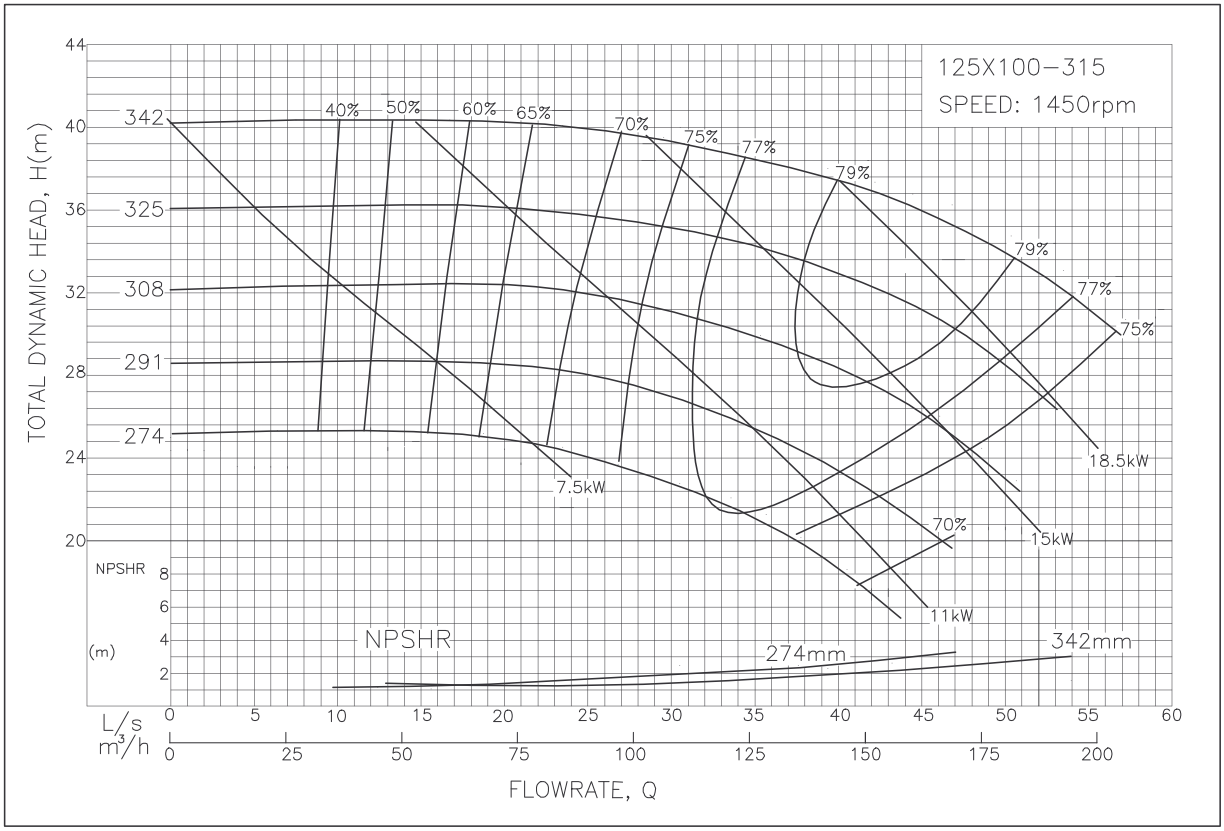
# ISO End Suction Centrifugal Pump - 125x100-250 Performance Curve

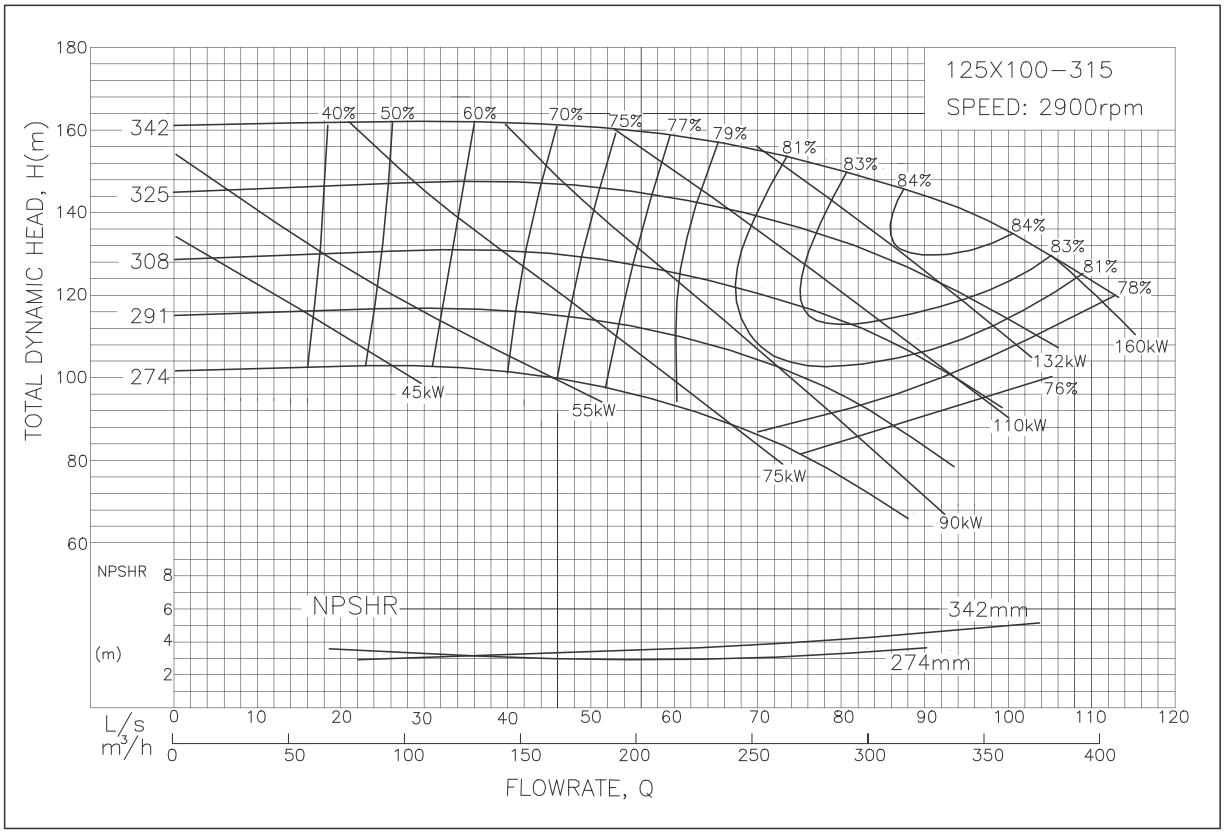



Above performance for standard construction. The efficiency correction for all stainless steel construction to be -4%.

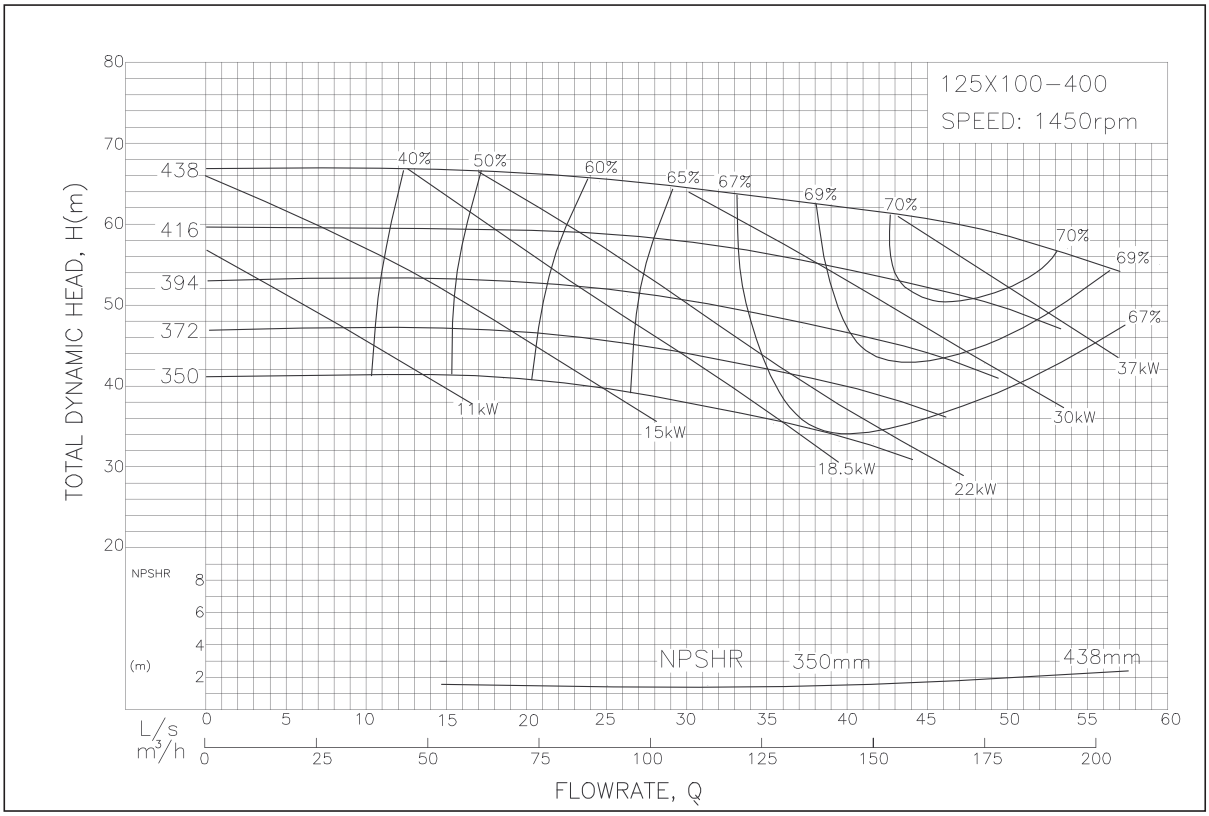
# ISO End Suction Centrifugal Pump - 125x100-315 Performance Curve



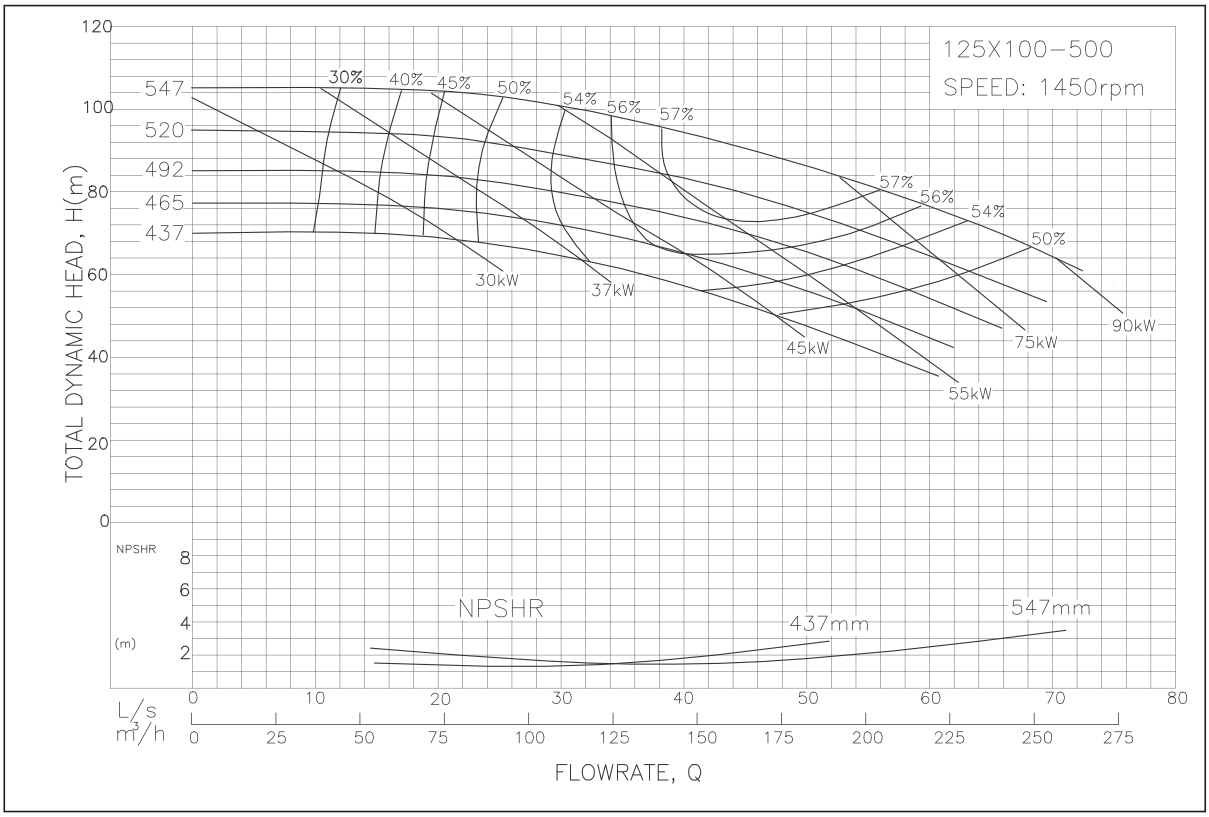




Above performance for standard construction. The efficiency correction for all stainless steel construction to be -4%.

## ISO End Suction Centrifugal Pump - 125x100-400 Performance Curve




## ISO End Suction Centrifugal Pump - 125x100-500 Performance Curve (Not Available in GIS)

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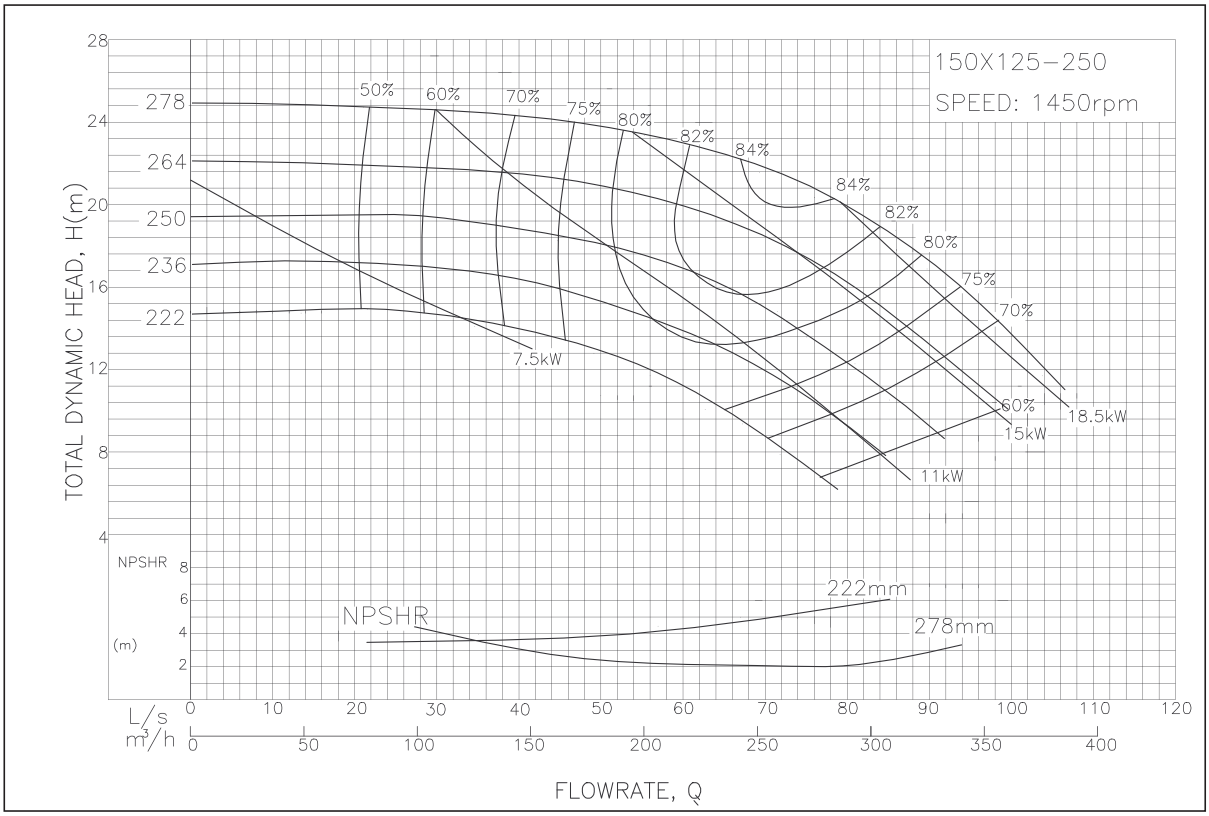
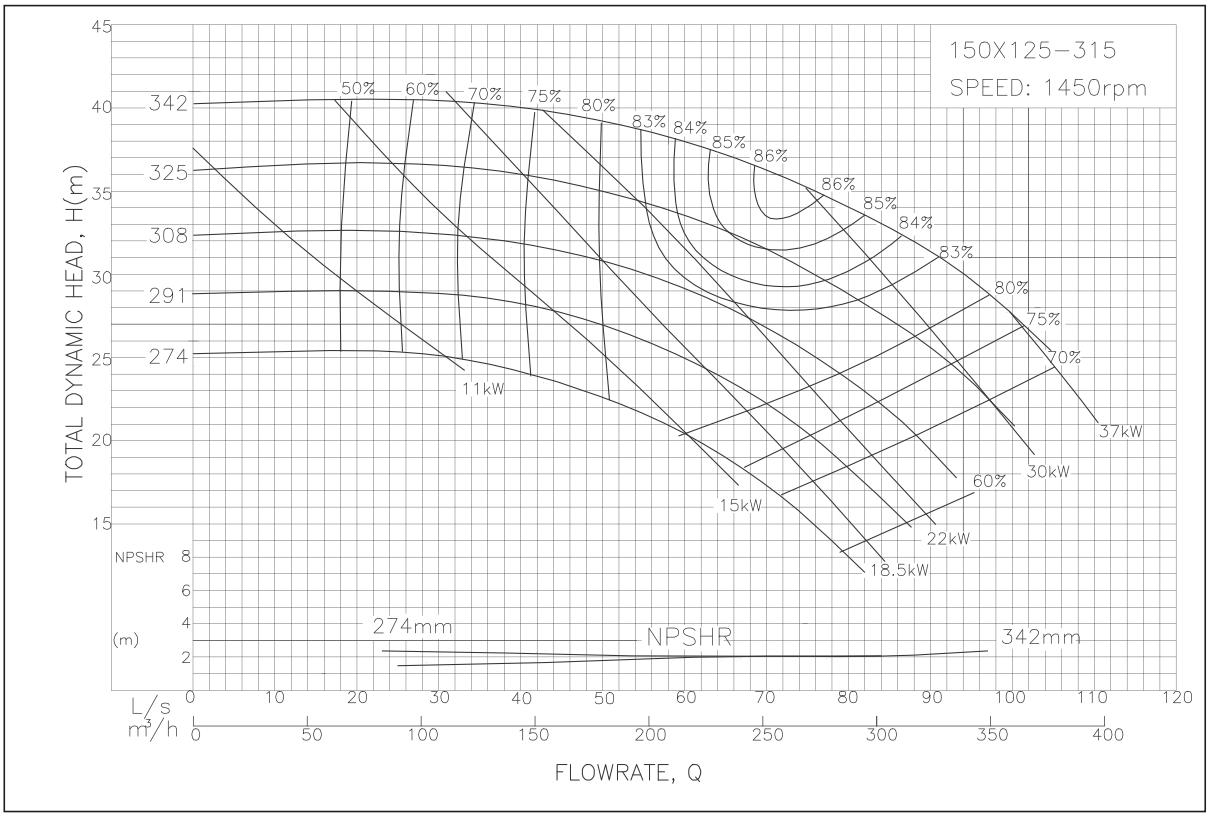
## ISO End Suction Centrifugal Pump - 150x125-250 Performance Curve




## ISO End Suction Centrifugal Pump - 150x125-315 Performance Curve

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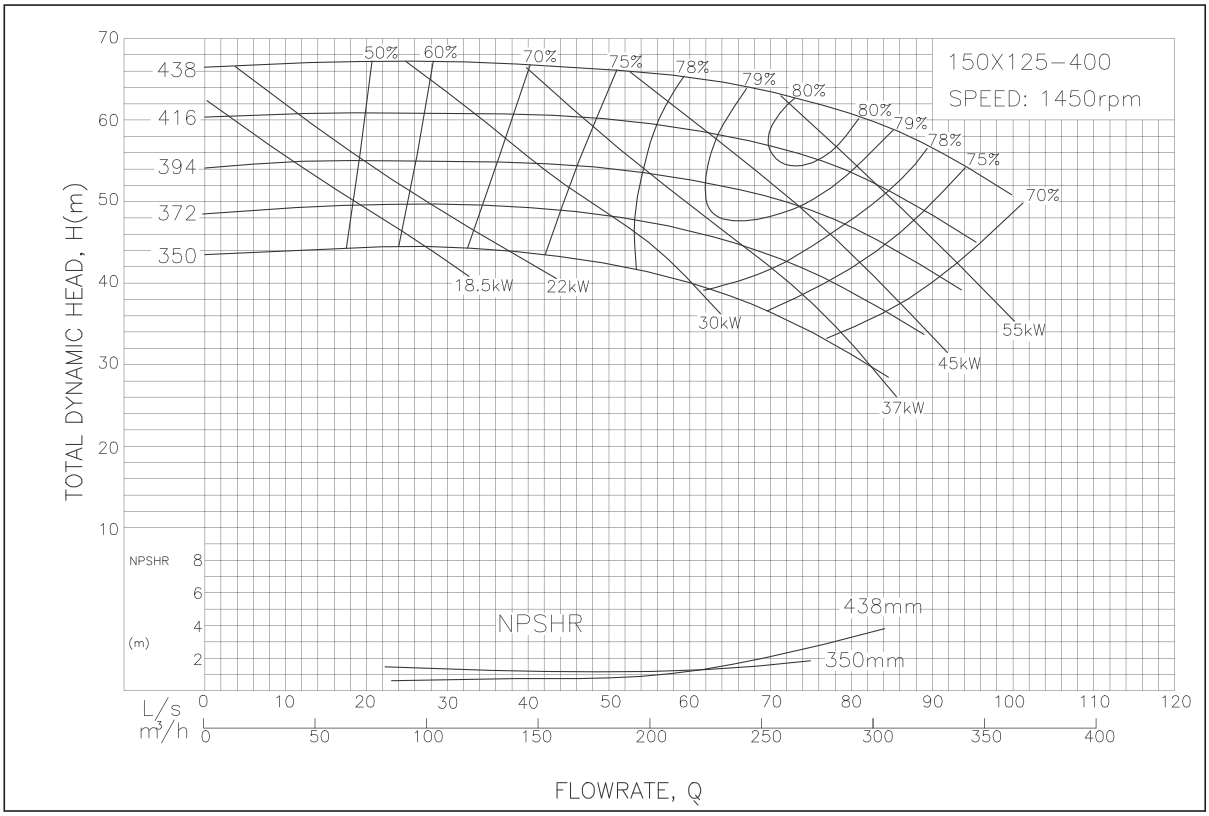
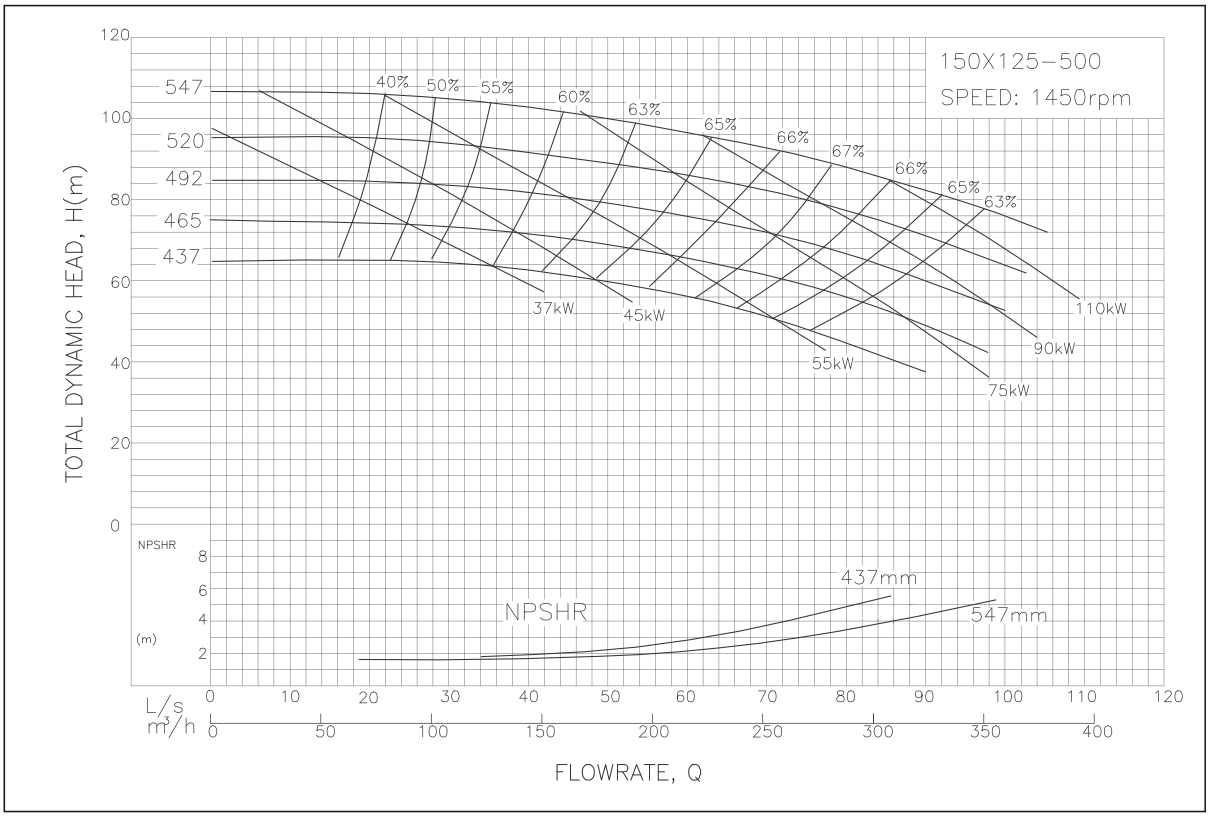
## ISO End Suction Centrifugal Pump - 150x125-400 Performance Curve (Not Available in GIS)

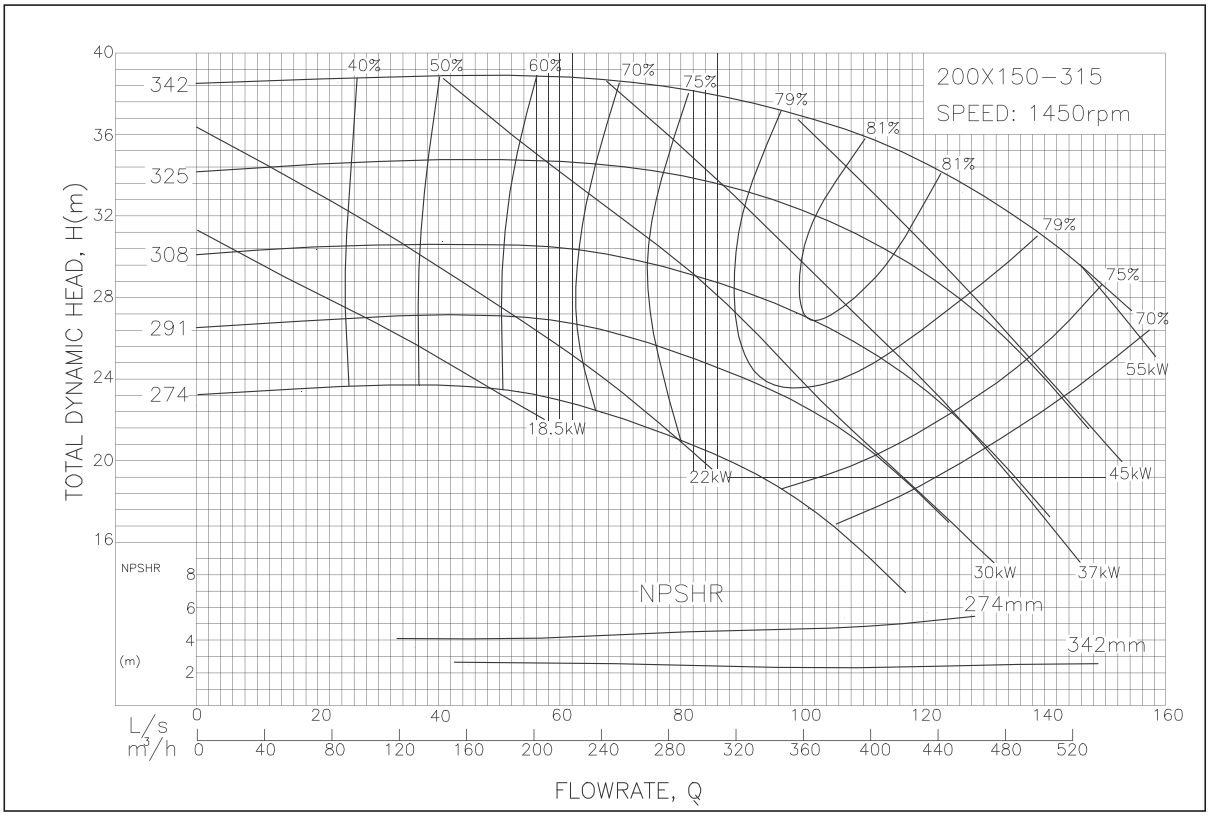



## ISO End Suction Centrifugal Pump - 150x125-500 Performance Curve (Not Available in GIS)

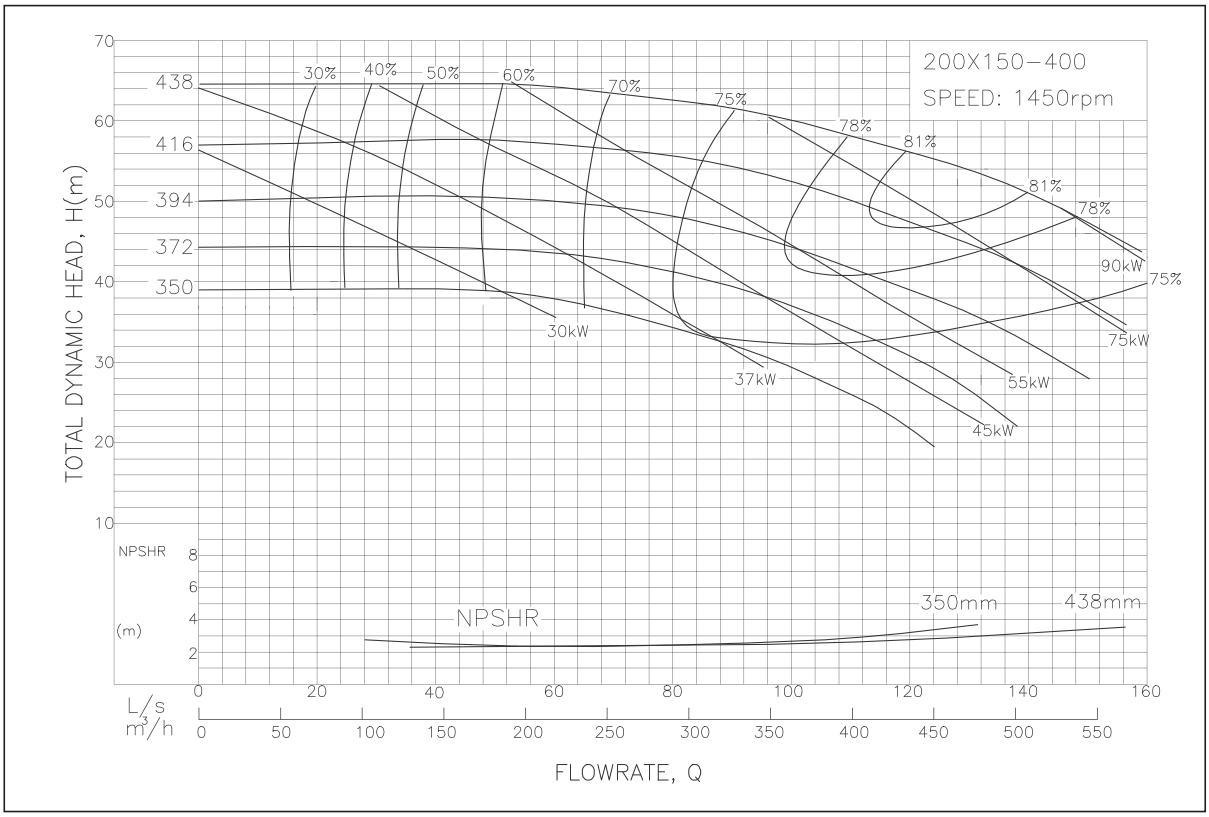



Above performance for standard construction. The efficiency correction for all stainless steel construction to be -4%.

## ISO End Suction Centrifugal Pump - 200x150-315 Performance Curve (Not Available in GIS)




## ISO End Suction Centrifugal Pump - 200x150-400 Performance Curve (Not Available in GIS)

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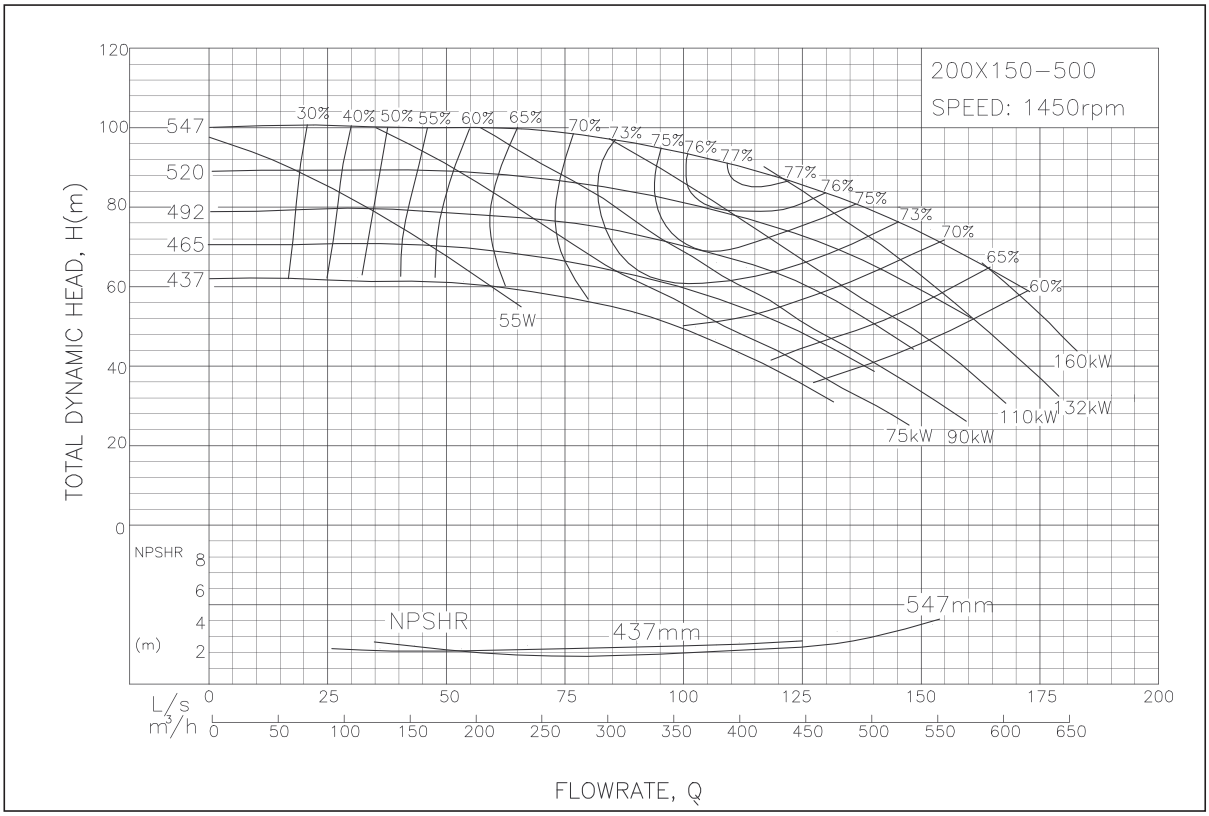
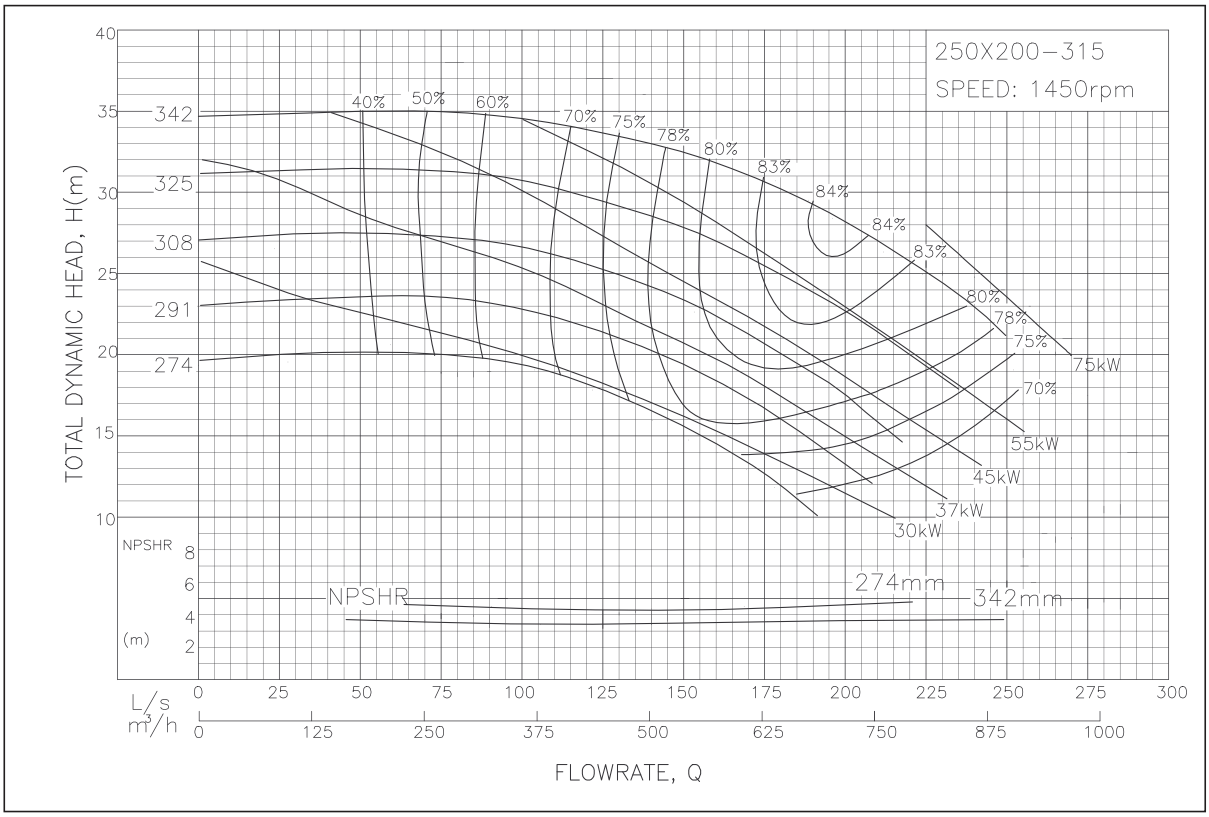
## ISO End Suction Centrifugal Pump - 200x150-500 Performance Curve (Not Available in GIS)

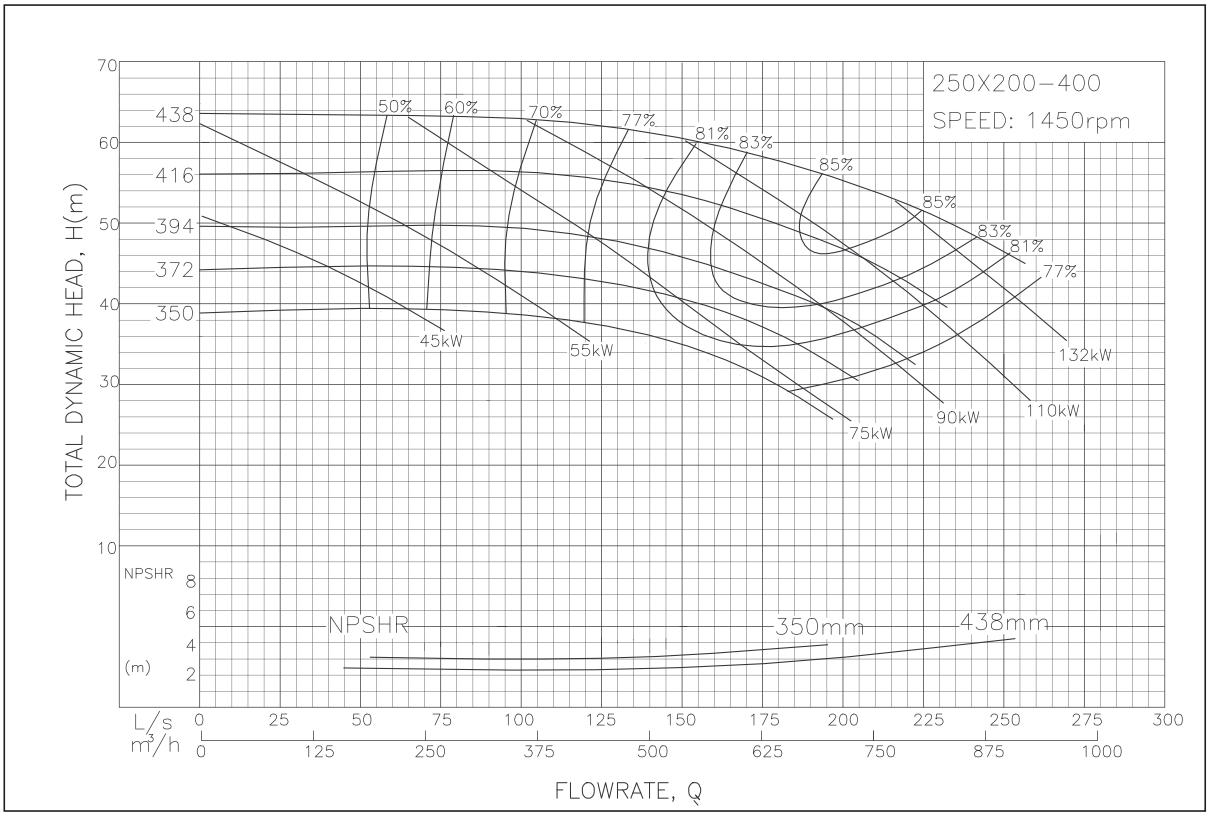



## ISO End Suction Centrifugal Pump - 250x200-315 Performance Curve (Not Available in GIS)

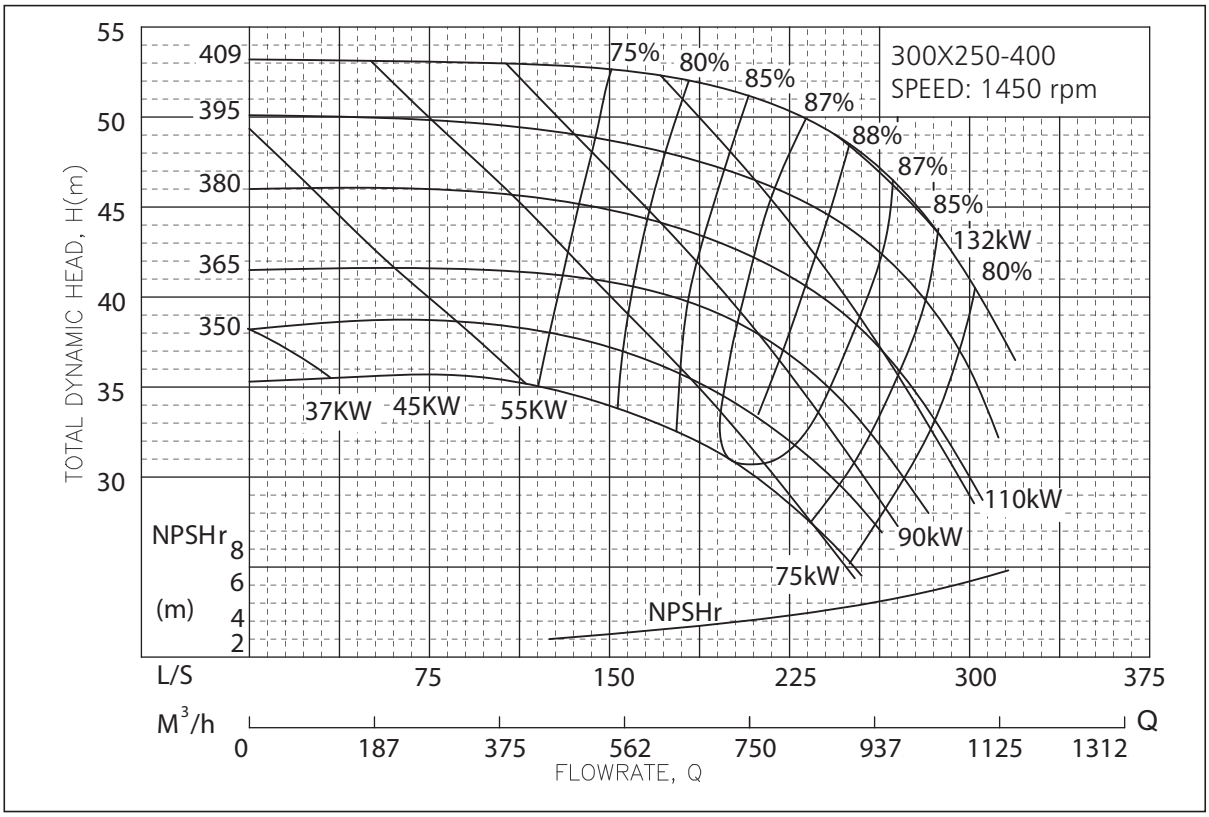



Above performance for standard construction. The efficiency correction for all stainless steel construction to be -4%.

## ISO End Suction Centrifugal Pump - 250x200-400 Performance Curve (Not Available in GIS)

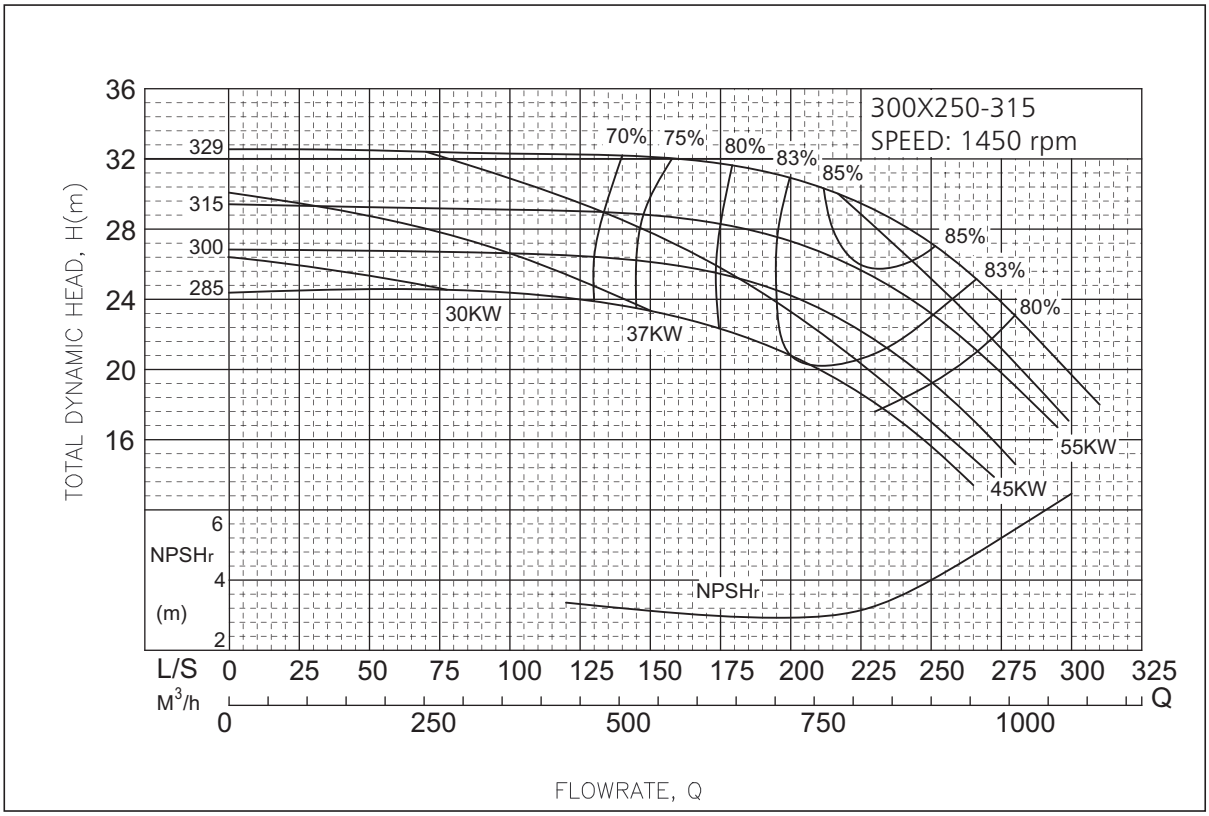



## ISO End Suction Centrifugal Pump - 300x250-400 Performance Curve (Not Available in GIS)



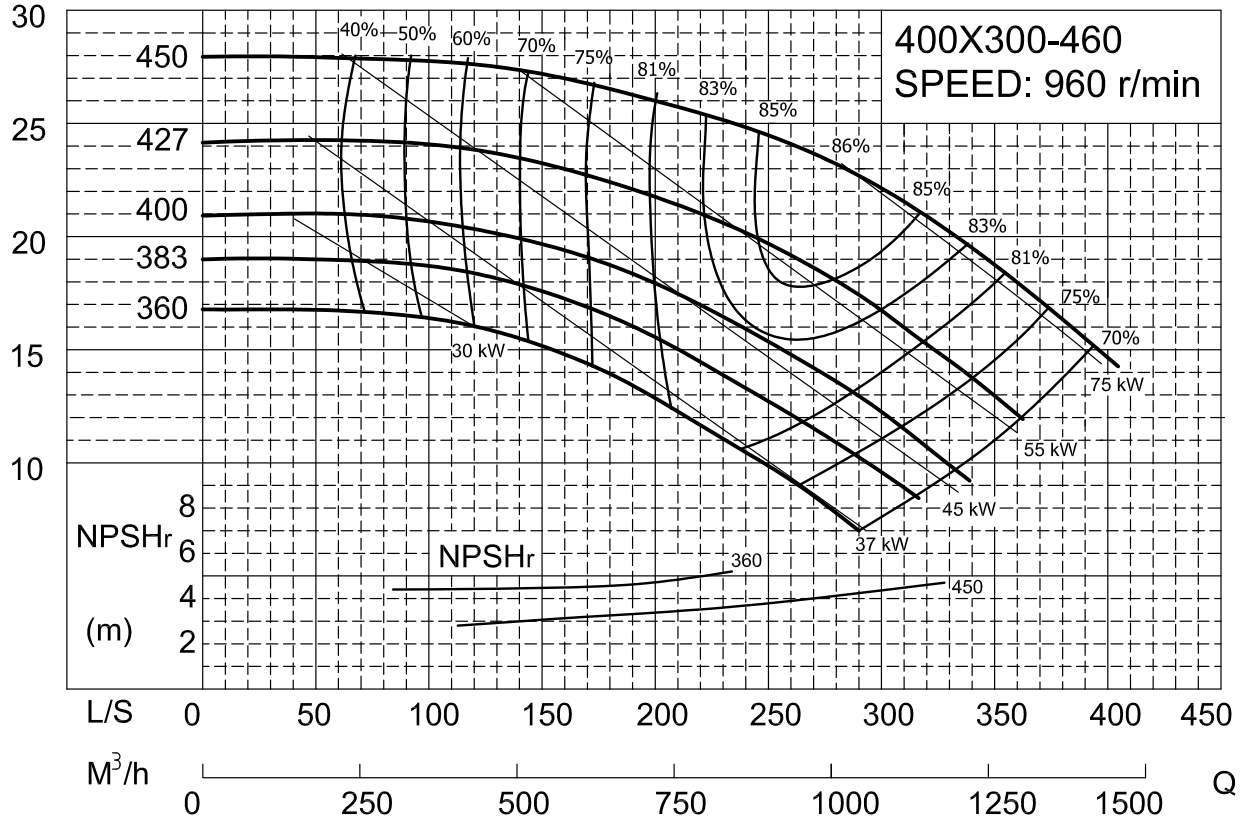

Above performance for standard construction. The efficiency correction for all stainless steel construction to be -4%.

# ISO End Suction Centrifugal Pump - 300x250-315 Performance Curve (Not Available in GIS)

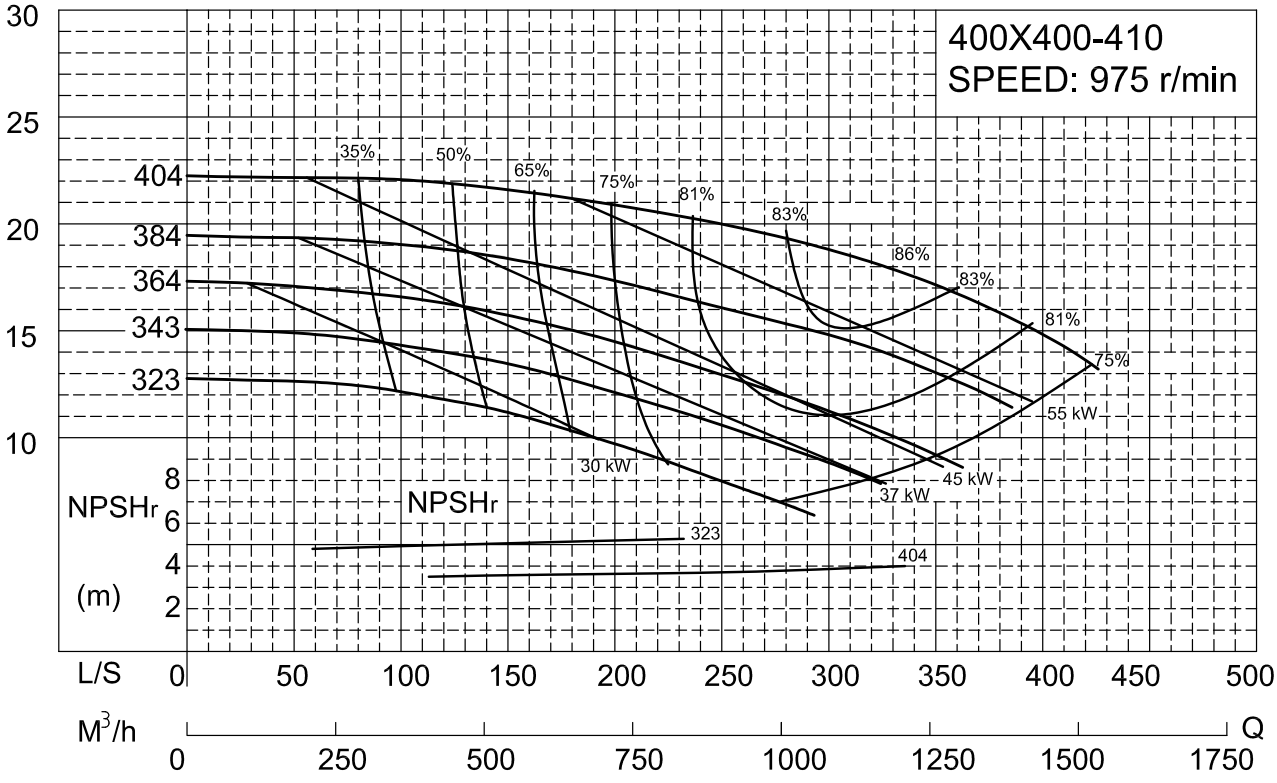



Above performance for standard construction. The efficiency correction for all stainless steel construction to be -4%.

## ISO End Suction Centrifugal Pump - 400x300-460 Performance Curve (Not Available in GIS)

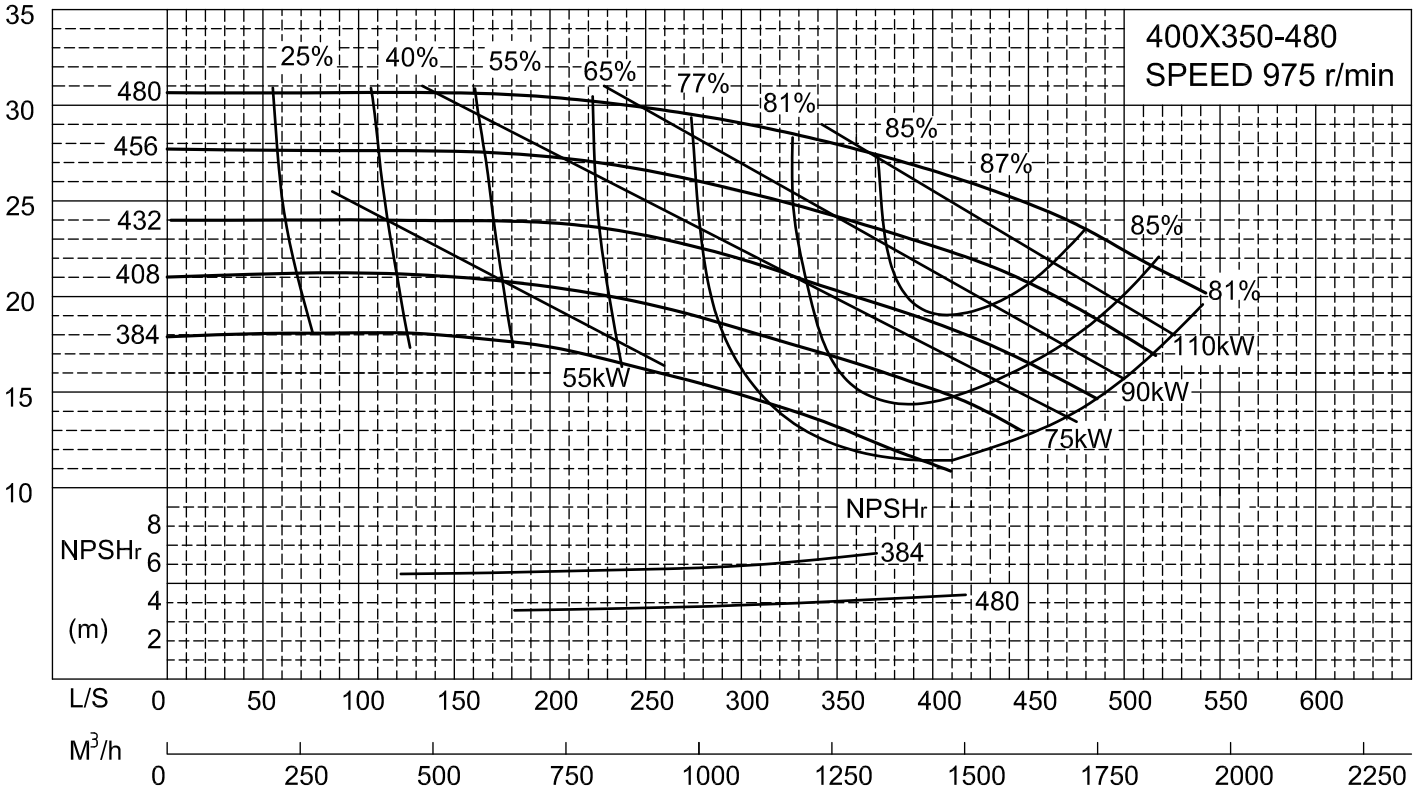



## ISO End Suction Centrifugal Pump - 400x400-410 Performance Curve (Not Available in GIS)

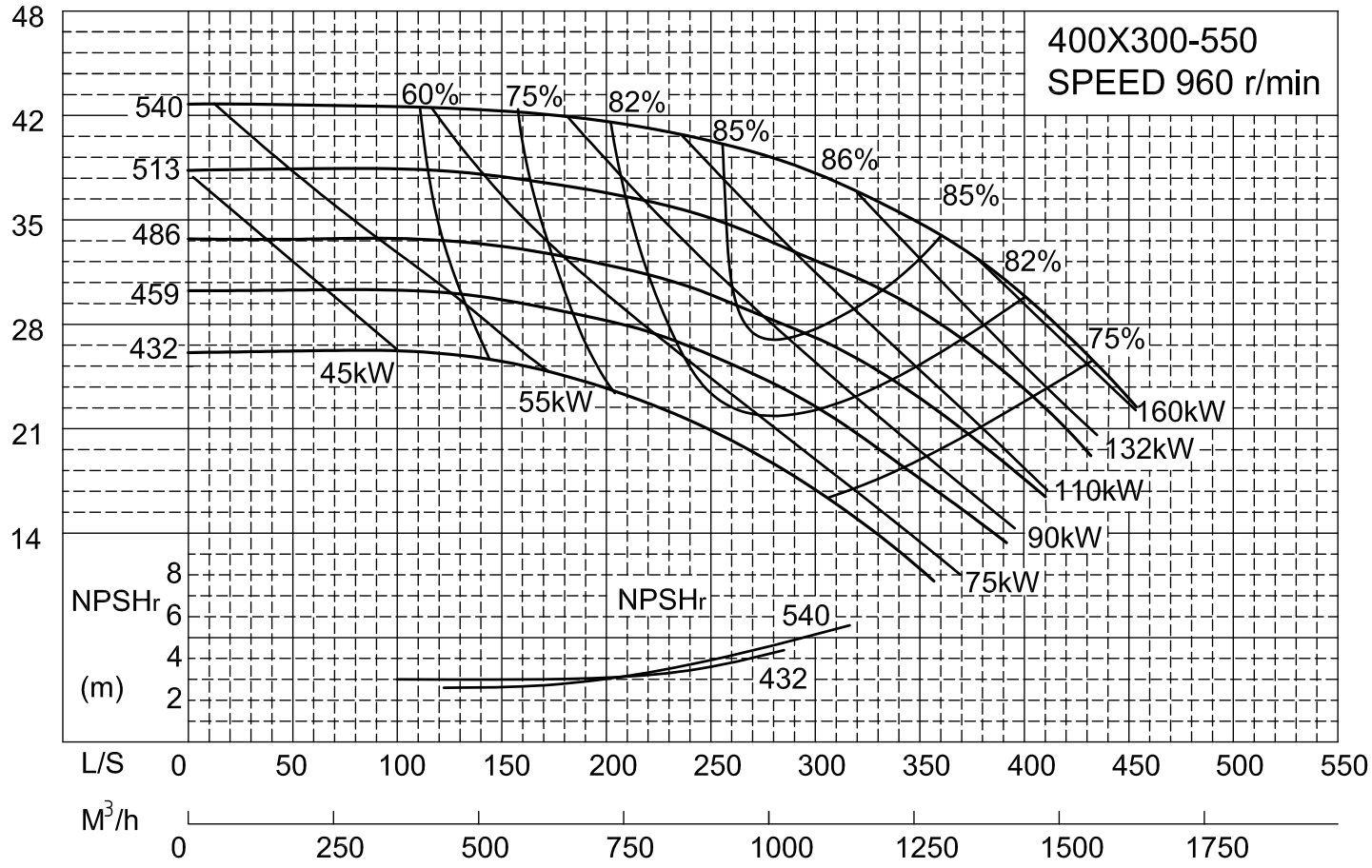



Above performance for standard construction. The efficiency correction for all stainless steel construction to be -4%.

## ISO End Suction Centrifugal Pump - 400x350-480 Performance Curve (Not Available in GIS)

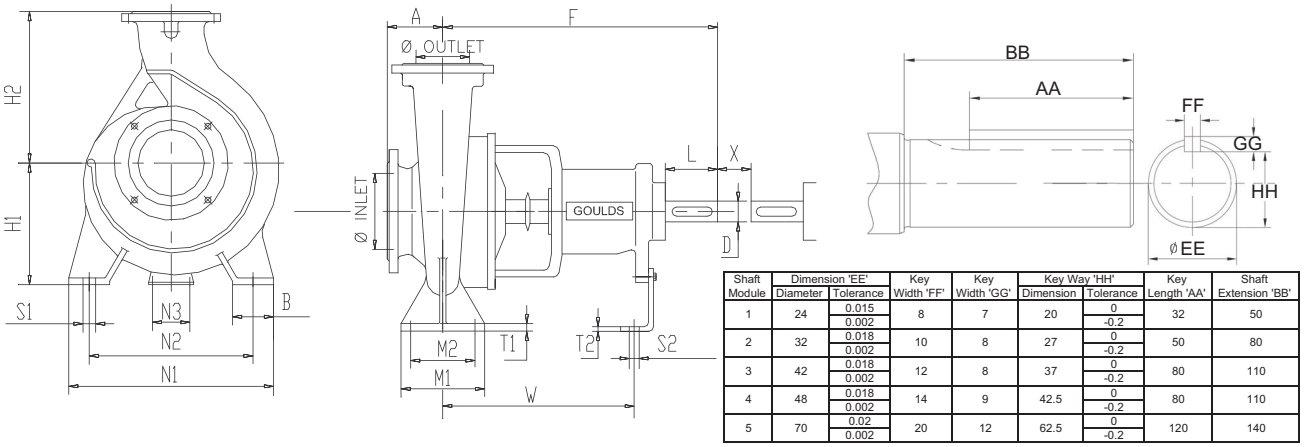



## ISO End Suction Centrifugal Pump - 400x300-550 Performance Curve (Not Available in GIS)




Above performance for standard construction. The efficiency correction for all stainless steel construction to be -4%.

# ISO End Suction Centrifugal Pump - GISO Pump Dimensions (Bare Pump)



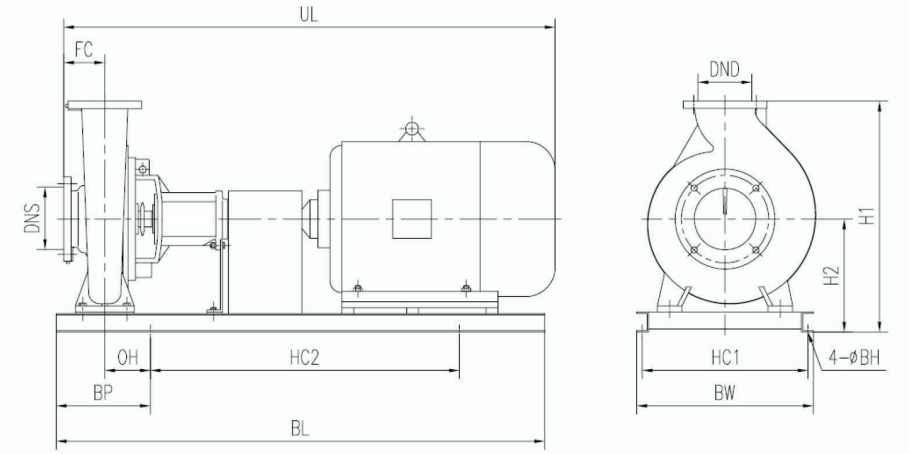

| Shaft Module | Dimension 'EE' Diameter | Tolerance | Key Width 'FF' | Key Width 'GG' | Key Way 'HH' Dimension | Tolerance | Key Length 'AA' | Shaft Extension 'BB' |
|---|---|---|---|---|---|---|---|---|
| 1 | 24 | 0.015<br>0.002 | 8 | 7 | 20 | 0<br>-0.2 | 32 | 50 |
| 2 | 32 | 0.018<br>0.002 | 10 | 8 | 27 | 0<br>-0.2 | 50 | 80 |
| 3 | 42 | 0.018<br>0.002 | 12 | 8 | 37 | 0<br>-0.2 | 80 | 110 |
| 4 | 48 | 0.018<br>0.002 | 14 | 9 | 42.5 | 0<br>-0.2 | 80 | 110 |
| 5 | 70 | 0.02<br>0.002 | 20 | 12 | 62.5 | 0<br>-0.2 | 120 | 140 |

| Pump | | | Shaft | Pump Dimension | | | | Mounting Dimension | | | | | | | | | Bolt Holes | | Shaft End | | Gap | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Suction | Discharge | Impeller | No. | A | F | H1 | H2 | B | M1 | M2 | N1 | N2 | N3 | T1 | T2 | W | S1 | S2 | D | L | X | Kg. |
| 50 | 32 | 160 | 1 | 80 | 385 | 132 | 160 | 50 | 100 | 70 | 240 | 190 | 110 | 12 | 6 | 285 | M12 | M12 | 24 | 50 | 100 | 38 |
| 50 | 32 | 200 | 1 | 80 | 385 | 160 | 180 | 50 | 100 | 70 | 240 | 190 | 110 | 12 | 6 | 285 | M12 | M12 | 24 | 50 | 100 | 46 |
| 65 | 50 | 160 | 1 | 80 | 385 | 132 | 160 | 50 | 100 | 70 | 240 | 190 | 110 | 12 | 6 | 285 | M12 | M12 | 24 | 50 | 100 | 40 |
| 65 | 40 | 200 | 1 | 100 | 385 | 160 | 180 | 50 | 100 | 70 | 265 | 212 | 110 | 13 | 6 | 285 | M12 | M12 | 24 | 50 | 100 | 48 |
| 65 | 40 | 250 | 2 | 100 | 500 | 180 | 225 | 65 | 125 | 95 | 320 | 250 | 110 | 14 | 6 | 370 | M12 | M12 | 32 | 80 | 100 | 70 |
| 65 | 40 | 315 | 2 | 125 | 500 | 200 | 250 | 65 | 125 | 95 | 345 | 280 | 110 | 16 | 6 | 370 | M12 | M12 | 32 | 80 | 100 | 80 |
| 80 | 65 | 160 | 1 | 100 | 385 | 160 | 180 | 50 | 100 | 70 | 265 | 212 | 110 | 13 | 6 | 285 | M12 | M12 | 24 | 50 | 100 | 46 |
| 80 | 50 | 200 | 1 | 100 | 385 | 160 | 200 | 50 | 100 | 70 | 265 | 212 | 110 | 13 | 6 | 285 | M12 | M12 | 24 | 50 | 100 | 52 |
| 80 | 50 | 250 | 2 | 125 | 500 | 180 | 225 | 65 | 125 | 95 | 320 | 250 | 110 | 15 | 6 | 370 | M12 | M12 | 32 | 80 | 100 | 72 |
| 80 | 50 | 315 | 2 | 125 | 500 | 225 | 280 | 65 | 125 | 95 | 345 | 280 | 110 | 18 | 6 | 370 | M12 | M12 | 32 | 80 | 100 | 87 |
| 100 | 80 | 160 | 2 | 100 | 500 | 160 | 200 | 65 | 125 | 95 | 280 | 212 | 110 | 14 | 6 | 370 | M12 | M12 | 32 | 80 | 100 | 68 |
| 100 | 65 | 200 | 2 | 100 | 500 | 180 | 225 | 65 | 125 | 95 | 320 | 250 | 110 | 14 | 6 | 370 | M12 | M12 | 32 | 80 | 140 | 70 |
| 100 | 65 | 250 | 2 | 125 | 500 | 200 | 250 | 80 | 160 | 120 | 360 | 280 | 110 | 16 | 6 | 370 | M16 | M12 | 32 | 80 | 140 | 80 |
| 100 | 65 | 315 | 3 | 125 | 530 | 225 | 280 | 80 | 160 | 120 | 400 | 315 | 110 | 18 | 6 | 370 | M16 | M12 | 42 | 110 | 140 | 118 |
| 125 | 80 | 400 | 3 | 125 | 530 | 280 | 355 | 80 | 160 | 120 | 435 | 355 | 110 | 20 | 6 | 370 | M16 | M12 | 42 | 110 | 140 | 165 |
| 125 | 100 | 200 | 2 | 125 | 500 | 200 | 280 | 80 | 160 | 120 | 360 | 280 | 110 | 17 | 6 | 370 | M16 | M12 | 32 | 80 | 140 | 85 |
| 125 | 100 | 250 | 3 | 140 | 530 | 225 | 280 | 80 | 160 | 120 | 400 | 315 | 110 | 18 | 6 | 370 | M16 | M12 | 42 | 110 | 140 | 126 |
| 125 | 100 | 315 | 3 | 140 | 530 | 250 | 315 | 80 | 160 | 120 | 400 | 315 | 110 | 19 | 6 | 370 | M16 | M12 | 42 | 110 | 140 | 135 |
| 125 | 100 | 400 | 3 | 140 | 530 | 280 | 355 | 100 | 200 | 150 | 500 | 400 | 110 | 20 | 6 | 370 | M20 | M12 | 42 | 110 | 140 | 175 |
| 125 | 100 | 500 | 4 | 160 | 670 | 355 | 450 | 100 | 200 | 150 | 550 | 450 | 110 | 25 | 10 | 500 | M20 | M16 | 48 | 110 | 180 | 313 |
| 150 | 125 | 250 | 3 | 140 | 530 | 250 | 355 | 80 | 160 | 120 | 400 | 315 | 110 | 19 | 6 | 370 | M16 | M12 | 42 | 110 | 140 | 140 |
| 150 | 125 | 315 | 3 | 140 | 530 | 280 | 355 | 100 | 200 | 150 | 500 | 400 | 110 | 20 | 6 | 370 | M20 | M12 | 42 | 110 | 140 | 150 |
| 150 | 125 | 400 | 3 | 140 | 530 | 315 | 400 | 100 | 200 | 150 | 500 | 400 | 110 | 21 | 6 | 370 | M20 | M12 | 42 | 110 | 140 | 186 |
| 150 | 125 | 500 | 4 | 160 | 670 | 355 | 450 | 100 | 200 | 150 | 550 | 450 | 140 | 25 | 10 | 500 | M20 | M16 | 48 | 110 | 180 | 336 |
| 200 | 150 | 315 | 4 | 160 | 670 | 315 | 400 | 100 | 200 | 150 | 550 | 450 | 140 | 25 | 10 | 500 | M20 | M16 | 48 | 110 | 180 | 222 |
| 200 | 150 | 400 | 4 | 160 | 670 | 315 | 450 | 100 | 200 | 150 | 550 | 450 | 140 | 25 | 10 | 500 | M20 | M16 | 48 | 110 | 180 | 300 |
| 200 | 150 | 500 | 4 | 160 | 670 | 400 | 500 | 100 | 200 | 150 | 550 | 450 | 140 | 25 | 10 | 500 | M20 | M16 | 48 | 110 | 180 | 382 |
| 250 | 200 | 315 | 4 | 180 | 670 | 315 | 450 | 100 | 200 | 150 | 550 | 450 | 140 | 25 | 10 | 500 | M20 | M16 | 48 | 110 | 180 | 277 |
| 250 | 200 | 400 | 4 | 180 | 670 | 355 | 500 | 100 | 200 | 150 | 550 | 450 | 140 | 25 | 10 | 500 | M20 | M16 | 48 | 110 | 180 | 340 |
| 300 | 250 | 315 | 4 | 220 | 691 | 355 | 520 | 150 | 250 | 200 | 660 | 510 | 110 | 22 | 10 | 525 | M24 | M12 | 48 | 110 | 180 | 311 |
| 300 | 250 | 400 | 4 | 220 | 682 | 400 | 560 | 150 | 250 | 200 | 660 | 510 | 110 | 22 | 10 | 516 | M24 | M12 | 48 | 110 | 180 | 390 |
| 400 | 300 | 460 | 5 | 300 | 760 | 460 | 620 | 170 | 300 | 210 | 740 | 600 | 220 | 30 | 10 | 550 | M24 | M16 | 70 | 140 | 220 | 620 |
| 400 | 300 | 550 | 5 | 300 | 760 | 500 | 650 | 170 | 300 | 210 | 740 | 600 | 220 | 30 | 10 | 550 | M24 | M16 | 70 | 140 | 220 | 667 |
| 400 | 350 | 480 | 5 | 300 | 760 | 530 | 680 | 170 | 350 | 260 | 840 | 700 | 220 | 30 | 10 | 550 | M24 | M16 | 70 | 140 | 220 | 730 |
| 400 | 400 | 410 | 5 | 300 | 760 | 460 | 650 | 170 | 380 | 290 | 740 | 600 | 220 | 30 | 10 | 550 | M24 | M16 | 70 | 140 | 220 | 660 |

**Remarks**

1. Standard flange drilling to AS 2129-1982 Table "E"
2. Other drilling options available on request
3. Dimensions in mm
4. Gap 'x' is the minmimum necessary for the withdrawal of bearing housing, back cover and impeller assembly towards drive end

# ISO End Suction Centrifugal Pump - GISO Pump Dimensions (Pumpset)




| Model | Motor | Motor | Measurement | | | | | | | | | | | | | Weight (KG) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (2900RPM) | (KW) | Size | H1 | H2 | HC1 | HC2 | BW | BL | BP | BH | OH | UL | FC | DNS | DND | With Motor | Without Motor |
| GISO 50-32-160 | 3.0 | 100L | 369 | 209 | 310 | 450 | 350 | 750 | 150 | 14 | 93 | 863 | 80 | 50 | 32 | 118 | 82 |
| | 4.0 | 112M | 369 | 209 | 310 | 450 | 350 | 760 | 155 | 14 | 99 | 883 | 80 | 50 | 32 | 127 | 83 |
| | 5.5 | 132S | 369 | 209 | 310 | 500 | 350 | 810 | 155 | 14 | 98 | 960 | 80 | 50 | 32 | 144 | 79 |
| GISO 50-32-200 | 5.5 | 132S | 415 | 235 | 310 | 500 | 350 | 810 | 155 | 14 | 98 | 960 | 80 | 50 | 32 | 189 | 124 |
| | 7.5 | 132S | 415 | 235 | 310 | 500 | 350 | 810 | 155 | 14 | 98 | 960 | 80 | 50 | 32 | 194 | 126 |
| | 11.0 | 160M | 432 | 252 | 350 | 580 | 390 | 930 | 175 | 14 | 117 | 1094 | 80 | 50 | 32 | 246 | 128 |
| GISO 65-40-200 | 7.5 | 132S | 415 | 235 | 310 | 500 | 350 | 810 | 155 | 14 | 98 | 980 | 100 | 65 | 40 | 207 | 139 |
| | 11.0 | 160M | 432 | 252 | 350 | 580 | 390 | 930 | 175 | 14 | 117 | 1114 | 100 | 65 | 40 | 258 | 140 |
| | 15.0 | 160M | 432 | 252 | 350 | 580 | 390 | 930 | 175 | 14 | 117 | 1114 | 100 | 65 | 40 | 269 | 140 |
| GISO 65-40-250 | 11.0 | 160M | 520 | 295 | 400 | 750 | 440 | 1060 | 155 | 18 | 83 | 1229 | 100 | 65 | 40 | 276 | 158 |
| | 15.0 | 160M | 520 | 295 | 400 | 750 | 440 | 1060 | 155 | 18 | 83 | 1229 | 100 | 65 | 40 | 287 | 158 |
| | 18.5 | 160L | 520 | 295 | 400 | 750 | 440 | 1100 | 175 | 18 | 105 | 1274 | 100 | 65 | 40 | 308 | 161 |
| | 22.0 | 180M | 520 | 295 | 400 | 750 | 440 | 1115 | 185 | 18 | 114 | 1229 | 100 | 65 | 40 | 337 | 151 |
| | 30.0 | 200L | 560 | 335 | 400 | 780 | 450 | 1190 | 205 | 22 | 134 | 1401 | 100 | 65 | 40 | 405 | 163 |
| GISO 65-40-315 | 22.0 | 180M | 565 | 315 | 400 | 750 | 440 | 1115 | 185 | 18 | 114 | 1321 | 125 | 65 | 40 | 374 | 188 |
| | 30.0 | 200L | 585 | 335 | 400 | 780 | 450 | 1190 | 205 | 22 | 134 | 1426 | 125 | 65 | 40 | 442 | 200 |
| | 37.0 | 200L | 585 | 335 | 400 | 780 | 450 | 1190 | 205 | 22 | 134 | 1426 | 125 | 65 | 40 | 462 | 199 |
| | 45.0 | 225M | 585 | 335 | 450 | 800 | 490 | 1225 | 215 | 22 | 143 | 1471 | 125 | 65 | 40 | 540 | 213 |
| GISO 65-50-160 | 4.0 | 100L | 369 | 209 | 310 | 450 | 350 | 760 | 155 | 14 | 99 | 883 | 80 | 65 | 50 | 93 | 49 |
| | 5.5 | 132S | 369 | 209 | 310 | 500 | 350 | 810 | 155 | 14 | 98 | 960 | 80 | 65 | 50 | 110 | 45 |
| | 7.5 | 132S | 369 | 209 | 310 | 500 | 350 | 810 | 155 | 14 | 98 | 960 | 80 | 65 | 50 | 116 | 48 |
| GISO 80-50-200 | 11.0 | 160M | 452 | 252 | 350 | 580 | 390 | 930 | 175 | 14 | 117 | 1114 | 100 | 80 | 50 | 272 | 154 |
| | 15.0 | 160M | 452 | 252 | 350 | 580 | 390 | 930 | 175 | 14 | 117 | 1114 | 100 | 80 | 50 | 282 | 153 |
| | 18.5 | 160L | 452 | 252 | 350 | 580 | 390 | 980 | 200 | 14 | 140 | 1159 | 100 | 80 | 50 | 303 | 156 |
| | 22.0 | 180M | 475 | 275 | 350 | 580 | 390 | 990 | 205 | 14 | 145 | 1181 | 100 | 80 | 50 | 333 | 147 |
| GISO 80-50-250 | 22.0 | 180M | 520 | 295 | 400 | 750 | 440 | 1115 | 185 | 18 | 114 | 1321 | 125 | 80 | 50 | 354 | 168 |
| | 30.0 | 200L | 560 | 335 | 400 | 780 | 450 | 1190 | 205 | 22 | 134 | 1426 | 125 | 80 | 50 | 422 | 180 |
| | 37.0 | 200L | 560 | 335 | 400 | 780 | 450 | 1190 | 205 | 22 | 134 | 1426 | 125 | 80 | 50 | 442 | 179 |
| | 45.0 | 225M | 585 | 360 | 450 | 800 | 490 | 1225 | 215 | 22 | 143 | 1471 | 125 | 80 | 50 | 520 | 193 |
| GISO 80-50-315 | 30.0 | 200L | 645 | 365 | 400 | 780 | 450 | 1190 | 205 | 22 | 134 | 1426 | 125 | 80 | 50 | 513 | 271 |
| | 37.0 | 200L | 645 | 365 | 400 | 780 | 450 | 1190 | 205 | 22 | 134 | 1426 | 125 | 80 | 50 | 559 | 296 |
| | 45.0 | 225M | 640 | 360 | 450 | 800 | 490 | 1225 | 215 | 22 | 143 | 1471 | 125 | 80 | 50 | 636 | 309 |
| | 55.0 | 250M | 690 | 410 | 500 | 870 | 550 | 1320 | 225 | 28 | 154 | 1583 | 125 | 80 | 50 | 701 | 283 |
| | 75.0 | 280S | 720 | 440 | 550 | 880 | 600 | 1370 | 245 | 28 | 173 | 1655 | 125 | 80 | 50 | 821 | 260 |

**Remarks**

1. Standard flange drilling to AS 2129-1982 Table "E"
2. Other drilling options available on request
3. Dimensions subject to change without notice. Do not use for construction purposes.
4. Motor dimensions and data may vary dependent on motor type

# ISO End Suction Centrifugal Pump - GISO Pump Dimensions (Pumpset)

| Model | Motor | Motor | Measurement | | | | | | | | | | | | | Weight (KG) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (2900RPM) | (KW) | Size | H1 | H2 | HC1 | HC2 | BW | BL | BP | BH | OH | UL | FC | DNS | DND | With Motor | Without Motor |
| GISO 80-65-160 | 5.5 | 132S | 415 | 235 | 310 | 500 | 350 | 810 | 155 | 14 | 98 | 980 | 100 | 80 | 65 | 168 | 103 |
| | 7.5 | 132S | 415 | 235 | 310 | 500 | 350 | 810 | 155 | 14 | 98 | 980 | 100 | 80 | 65 | 173 | 105 |
| | 11.0 | 160M | 432 | 252 | 350 | 580 | 390 | 930 | 175 | 14 | 117 | 1114 | 100 | 80 | 65 | 225 | 107 |
| | 15.0 | 160M | 432 | 252 | 350 | 580 | 390 | 930 | 175 | 14 | 117 | 1114 | 100 | 80 | 65 | 235 | 106 |
| GISO 100-65-200 | 18.5 | 160L | 520 | 295 | 400 | 750 | 440 | 1100 | 175 | 18 | 105 | 1274 | 100 | 100 | 65 | 318 | 171 |
| | 22.0 | 180M | 520 | 295 | 400 | 750 | 440 | 1115 | 185 | 18 | 114 | 1296 | 100 | 100 | 65 | 348 | 162 |
| | 30.0 | 200L | 560 | 335 | 400 | 780 | 450 | 1190 | 205 | 22 | 134 | 1401 | 100 | 100 | 65 | 416 | 174 |
| | 37.0 | 200L | 560 | 335 | 400 | 780 | 450 | 1190 | 205 | 22 | 134 | 1401 | 100 | 100 | 65 | 436 | 173 |
| GISO 100-65-250 | 30.0 | 200L | 585 | 335 | 400 | 780 | 450 | 1210 | 215 | 22 | 126 | 1426 | 125 | 100 | 65 | 433 | 191 |
| | 37.0 | 200L | 585 | 335 | 400 | 780 | 450 | 1210 | 215 | 22 | 126 | 1426 | 125 | 100 | 65 | 453 | 190 |
| | 45.0 | 225M | 610 | 360 | 450 | 800 | 490 | 1240 | 220 | 22 | 131 | 1471 | 125 | 100 | 65 | 530 | 203 |
| | 55.0 | 250M | 660 | 410 | 500 | 870 | 550 | 1340 | 235 | 28 | 145 | 1583 | 125 | 100 | 65 | 595 | 177 |
| | 75.0 | 280S | 690 | 440 | 550 | 880 | 600 | 1390 | 255 | 28 | 165 | 1655 | 125 | 100 | 65 | 715 | 154 |
| GISO 100-65-315 | 55.0 | 250M | 690 | 410 | 500 | 870 | 550 | 1370 | 250 | 28 | 159 | 1613 | 125 | 100 | 65 | 615 | 197 |
| | 75.0 | 280S | 720 | 440 | 550 | 880 | 600 | 1470 | 295 | 28 | 205 | 1685 | 125 | 100 | 65 | 735 | 174 |
| | 90.0 | 280M | 720 | 440 | 550 | 880 | 600 | 1470 | 295 | 28 | 205 | 1735 | 125 | 100 | 65 | 794 | 200 |
| | 110.0 | 315S | 760 | 480 | 620 | 950 | 670 | 1510 | 280 | 28 | 187 | 1930 | 125 | 100 | 65 | 1161 | 149 |
| GISO 100-80-160 | 11.0 | 160M | 475 | 275 | 400 | 750 | 440 | 1060 | 155 | 18 | 83 | 1229 | 100 | 100 | 80 | 208 | 90 |
| | 15.0 | 160M | 475 | 275 | 400 | 750 | 440 | 1060 | 155 | 18 | 83 | 1229 | 100 | 100 | 80 | 218 | 89 |
| | 18.5 | 160L | 475 | 275 | 400 | 750 | 440 | 1100 | 175 | 18 | 105 | 1274 | 100 | 100 | 80 | 239 | 92 |
| | 22.0 | 180M | 475 | 275 | 400 | 750 | 440 | 1115 | 185 | 18 | 114 | 1296 | 100 | 100 | 80 | 308 | 122 |
| GISO 125-100-200 | 30.0 | 200L | 615 | 335 | 400 | 780 | 450 | 1210 | 215 | 22 | 126 | 1426 | 125 | 125 | 100 | 432 | 190 |
| | 37.0 | 200L | 615 | 335 | 400 | 780 | 450 | 1210 | 215 | 22 | 126 | 1426 | 125 | 125 | 100 | 452 | 189 |
| | 45.0 | 225M | 640 | 360 | 450 | 800 | 490 | 1240 | 220 | 22 | 131 | 1471 | 125 | 125 | 100 | 529 | 202 |
| | 55.0 | 250M | 690 | 410 | 500 | 870 | 550 | 1340 | 235 | 28 | 145 | 1583 | 125 | 125 | 100 | 594 | 176 |
| | 75.0 | 280S | 720 | 440 | 550 | 880 | 600 | 1390 | 255 | 28 | 165 | 1655 | 125 | 125 | 100 | 714 | 153 |
| GISO 125-100-250 | 55.0 | 250M | 690 | 410 | 500 | 870 | 550 | 1370 | 250 | 28 | 159 | 1628 | 140 | 125 | 100 | 672 | 254 |
| | 75.0 | 280S | 720 | 440 | 550 | 880 | 600 | 1470 | 295 | 28 | 205 | 1700 | 140 | 125 | 100 | 747 | 186 |
| | 90.0 | 280M | 720 | 440 | 550 | 880 | 600 | 1470 | 295 | 28 | 205 | 1750 | 140 | 125 | 100 | 805 | 211 |
| | 110.0 | 315S | 760 | 480 | 620 | 950 | 670 | 1510 | 280 | 28 | 187 | 1945 | 140 | 125 | 100 | 1176 | 164 |
| GISO 125-100-315 | 90.0 | 280M | 755 | 440 | 550 | 880 | 600 | 1470 | 295 | 28 | 205 | 1750 | 140 | 125 | 100 | 840 | 246 |
| | 110.0 | 315S | 795 | 480 | 620 | 950 | 670 | 1510 | 280 | 28 | 187 | 1945 | 140 | 125 | 100 | 1208 | 196 |
| | 132.0 | 315M | 795 | 480 | 620 | 950 | 670 | 1590 | 320 | 28 | 231 | 2015 | 140 | 125 | 100 | 1313 | 246 |
| | 160.0 | 315L | 795 | 480 | 620 | 950 | 670 | 1610 | 330 | 28 | 244 | 2015 | 140 | 125 | 100 | 1376 | 188 |

**Remarks**

1. Standard flange drilling to AS 2129-1982 Table "E"
2. Other drilling options available on request
3. Dimensions subject to change without notice. Do not use for construction purposes.
4. Motor dimensions and data may vary dependent on motor type

# ISO End Suction Centrifugal Pump - GISO Pump Dimensions (Pumpset)

| Model | Motor | Motor | Measurement | | | | | | | | | | | | | Weight (KG) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1450RPM) | (KW) | Size | H1 | H2 | HC1 | HC2 | BW | BL | BP | BH | OH | UL | FC | DNS | DND | With Motor | Without Motor |
| GISO 125-80-400 | 15.0 | 160L | 755 | 400 | 440 | 750 | 480 | 1150 | 200 | 18 | 112 | 1329 | 125 | 125 | 80 | 491 | 345 |
| | 18.5 | 180M | 755 | 400 | 440 | 750 | 480 | 1200 | 225 | 18 | 135 | 1351 | 125 | 125 | 80 | 516 | 332 |
| | 22.0 | 180L | 755 | 400 | 440 | 750 | 480 | 1200 | 225 | 18 | 135 | 1391 | 125 | 125 | 80 | 532 | 333 |
| | 30.0 | 200L | 775 | 420 | 500 | 820 | 540 | 1240 | 210 | 22 | 120 | 1456 | 125 | 125 | 80 | 595 | 340 |
| | 37.0 | 225S | 795 | 440 | 500 | 820 | 550 | 1280 | 230 | 28 | 140 | 1503 | 125 | 125 | 80 | 652 | 336 |
| GISO 125-100-200 | 4.0 | 112M | 575 | 295 | 350 | 580 | 390 | 910 | 165 | 14 | 76 | 1043 | 125 | 125 | 100 | 282 | 234 |
| | 5.5 | 132S | 595 | 315 | 400 | 630 | 440 | 990 | 180 | 18 | 94 | 1120 | 125 | 125 | 100 | 298 | 231 |
| | 7.5 | 132M | 595 | 315 | 400 | 630 | 440 | 990 | 180 | 18 | 94 | 1160 | 125 | 125 | 100 | 306 | 226 |
| GISO 125-100-250 | 7.5 | 132M | 620 | 340 | 400 | 630 | 440 | 1030 | 200 | 18 | 111 | 1205 | 140 | 125 | 100 | 294 | 214 |
| | 11.0 | 160M | 620 | 340 | 400 | 750 | 440 | 1160 | 205 | 18 | 118 | 1299 | 140 | 125 | 100 | 339 | 215 |
| | 15.0 | 160L | 620 | 340 | 400 | 750 | 440 | 1160 | 205 | 18 | 118 | 1344 | 140 | 125 | 100 | 361 | 215 |
| GISO 125-100-315 | 11.0 | 160M | 620 | 365 | 400 | 750 | 440 | 1160 | 205 | 18 | 118 | 1299 | 140 | 125 | 100 | 362 | 238 |
| | 15.0 | 160L | 680 | 365 | 400 | 750 | 440 | 1160 | 205 | 18 | 118 | 1344 | 140 | 125 | 100 | 334 | 188 |
| | 18.5 | 180M | 680 | 365 | 400 | 750 | 440 | 1200 | 225 | 18 | 137 | 1366 | 140 | 125 | 100 | 419 | 235 |
| | 22.0 | 180L | 680 | 365 | 400 | 750 | 440 | 1200 | 225 | 18 | 137 | 1406 | 140 | 125 | 100 | 438 | 239 |
| | 30.0 | 200L | 705 | 390 | 500 | 820 | 340 | 1240 | 210 | 22 | 120 | 1471 | 140 | 125 | 100 | 509 | 254 |
| GISO 125-100-400 | 18.5 | 180M | 775 | 420 | 500 | 820 | 340 | 1220 | 200 | 22 | 90 | 1366 | 140 | 125 | 100 | 510 | 326 |
| | 22.0 | 180L | 775 | 420 | 500 | 820 | 340 | 1220 | 200 | 22 | 90 | 1406 | 140 | 125 | 100 | 523 | 324 |
| | 30.0 | 200L | 775 | 420 | 500 | 820 | 340 | 1260 | 230 | 22 | 110 | 1471 | 140 | 125 | 100 | 593 | 338 |
| | 37.0 | 225S | 795 | 440 | 500 | 820 | 330 | 1325 | 250 | 28 | 140 | 1518 | 140 | 125 | 100 | 646 | 330 |
| | 45.0 | 225M | 795 | 440 | 500 | 820 | 330 | 1325 | 250 | 28 | 140 | 1543 | 140 | 125 | 100 | 683 | 329 |
| GISO 125-100-500 | 45.0 | 225M | 965 | 515 | 550 | 880 | 600 | 1465 | 300 | 28 | 190 | 1703 | 160 | 125 | 100 | 694 | 340 |
| | 55.0 | 250M | 965 | 515 | 550 | 950 | 600 | 1530 | 290 | 28 | 180 | 1790 | 160 | 125 | 100 | 710 | 286 |
| | 75.0 | 280S | 970 | 520 | 550 | 1050 | 600 | 1635 | 300 | 28 | 190 | 1865 | 160 | 125 | 100 | 798 | 237 |
| | 90.0 | 280M | 970 | 520 | 550 | 1050 | 600 | 1635 | 300 | 28 | 190 | 1915 | 160 | 125 | 100 | 859 | 199 |
| GISO 150-125-250 | 11.0 | 160M | 720 | 365 | 400 | 750 | 440 | 1160 | 205 | 18 | 118 | 1299 | 140 | 150 | 125 | 331 | 207 |
| | 15.0 | 160L | 720 | 365 | 400 | 750 | 440 | 1160 | 205 | 18 | 118 | 1344 | 140 | 150 | 125 | 373 | 227 |
| | 18.5 | 180M | 720 | 365 | 400 | 750 | 440 | 1200 | 225 | 18 | 137 | 1366 | 140 | 150 | 125 | 407 | 223 |
| | 22.0 | 180L | 720 | 365 | 400 | 750 | 440 | 1200 | 225 | 18 | 137 | 1406 | 140 | 150 | 125 | 426 | 227 |
| GISO 150-125-315 | 18.5 | 180M | 775 | 420 | 500 | 820 | 540 | 1220 | 200 | 22 | 90 | 1366 | 140 | 150 | 125 | 512 | 328 |
| | 22.0 | 180L | 775 | 420 | 500 | 820 | 540 | 1220 | 200 | 22 | 90 | 1406 | 140 | 150 | 125 | 496 | 297 |
| | 30.0 | 200L | 775 | 420 | 500 | 820 | 540 | 1260 | 220 | 22 | 110 | 1471 | 140 | 150 | 125 | 570 | 315 |
| | 37.0 | 225S | 795 | 440 | 500 | 820 | 550 | 1325 | 230 | 28 | 140 | 1518 | 140 | 150 | 125 | 627 | 311 |
| GISO 150-125-400 | 37.0 | 225S | 875 | 475 | 500 | 820 | 550 | 1325 | 230 | 28 | 140 | 1518 | 140 | 150 | 125 | 687 | 371 |
| | 45 | 225M | 875 | 475 | 500 | 820 | 550 | 1325 | 230 | 28 | 140 | 1543 | 140 | 150 | 125 | 715 | 361 |
| | 55 | 250M | 875 | 475 | 500 | 870 | 600 | 1390 | 260 | 28 | 150 | 1628 | 140 | 150 | 125 | 785 | 361 |
| | 75 | 280S | 875 | 475 | 550 | 880 | 600 | 1440 | 280 | 28 | 172 | 1705 | 140 | 150 | 125 | 939 | 378 |
| GISO 150-125-500 | 75 | 280S | 970 | 520 | 550 | 1050 | 600 | 1635 | 300 | 28 | 190 | 1865 | 160 | 150 | 125 | 954 | 393 |
| | 90 | 280M | 970 | 520 | 550 | 1050 | 600 | 1635 | 300 | 28 | 190 | 1915 | 160 | 150 | 125 | 1015 | 355 |
| | 110 | 315S | 965 | 515 | 630 | 1140 | 680 | 1705 | 285 | 28 | 175 | 2140 | 160 | 150 | 125 | 1170 | 147 |
| | 132 | 315L | 965 | 515 | 630 | 1140 | 680 | 1790 | 325 | 28 | 215 | 2140 | 160 | 150 | 125 | 1475 | 364 |
| GISO 200-150-315 | 30 | 200L | 875 | 475 | 550 | 880 | 600 | 1400 | 260 | 28 | 150 | 1631 | 160 | 200 | 150 | 600 | 345 |
| | 37 | 225S | 875 | 475 | 550 | 880 | 600 | 1465 | 300 | 28 | 190 | 1678 | 160 | 200 | 150 | 671 | 355 |
| | 45 | 225M | 875 | 475 | 550 | 880 | 600 | 1465 | 300 | 28 | 190 | 1703 | 160 | 200 | 150 | 708 | 354 |
| | 55 | 250M | 875 | 475 | 550 | 1080 | 600 | 1530 | 240 | 28 | 130 | 1790 | 160 | 200 | 150 | 789 | 365 |
| | 75 | 280S | 875 | 475 | 550 | 1080 | 600 | 1635 | 300 | 28 | 190 | 1865 | 160 | 200 | 150 | 877 | 316 |

**Remarks**

1. Standard flange drilling to AS 2129-1982 Table "E"
2. Other drilling options available on request
3. Dimensions subject to change without notice. Do not use for construction purposes.
4. Motor dimensions and data may vary dependent on motor type

# ISO End Suction Centrifugal Pump - GISO Pump Dimensions (Pumpset)

| Model | Motor | Motor | Measurement | | | | | | | | | | | | | Weight (KG) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1450RPM) | (KW) | Size | H1 | H2 | HC1 | HC2 | BW | BL | BP | BH | OH | UL | FC | DNS | DND | With Motor | Without Motor |
| GISO 50-32-160 | 0.55 | 80M | 367 | 207 | 270 | 430 | 310 | 675 | 125 | 14 | 67 | 771 | 80 | 50 | 32 | 97 | 79 |
| | 0.75 | 80M | 367 | 207 | 270 | 430 | 310 | 675 | 125 | 14 | 67 | 771 | 80 | 50 | 32 | 98 | 80 |
| GISO 50-32-200 | 0.55 | 80M | 415 | 235 | 270 | 430 | 310 | 675 | 125 | 14 | 67 | 771 | 80 | 50 | 32 | 99 | 81 |
| | 0.75 | 80M | 415 | 235 | 270 | 430 | 310 | 675 | 125 | 14 | 67 | 771 | 80 | 50 | 32 | 100 | 82 |
| | 1.1 | 90S | 415 | 235 | 270 | 430 | 310 | 720 | 145 | 14 | 86 | 796 | 80 | 50 | 32 | 104 | 80 |
| | 1.5 | 90L | 415 | 235 | 270 | 430 | 310 | 720 | 145 | 14 | 86 | 821 | 80 | 50 | 32 | 108 | 78 |
| GISO 65-40-200 | 1.1 | 90S | 415 | 235 | 270 | 430 | 310 | 720 | 145 | 14 | 86 | 816 | 100 | 7S | 40 | 111 | 87 |
| | 1.5 | 90L | 415 | 235 | 270 | 430 | 310 | 720 | 145 | 14 | 86 | 841 | 100 | 65 | 40 | 121 | 91 |
| | 2.2 | 100L | 415 | 235 | 270 | 430 | 310 | 750 | 160 | 14 | 103 | 883 | 100 | 65 | 40 | 130 | 93 |
| GISO 65-40-250 | 1.5 | 90L | 480 | 255 | 310 | 500 | 350 | 850 | 175 | 14 | 102 | 956 | 100 | 65 | 40 | 118 | 88 |
| | 2.2 | 100L | 500 | 275 | 350 | 580 | 390 | 880 | 150 | 14 | 79 | 998 | 100 | 65 | 40 | 124 | 87 |
| | 3.0 | 100L | 500 | 275 | 350 | 580 | 390 | 880 | 150 | 14 | 79 | 998 | 100 | 65 | 40 | 142 | 103 |
| | 4.0 | 112M | 500 | 275 | 350 | 580 | 390 | 890 | 155 | 14 | 85 | 1018 | 100 | 65 | 40 | 151 | 103 |
| GISO 65-40-315 | 3.0 | 100L | 545 | 295 | 350 | 580 | 390 | 880 | 150 | 14 | 79 | 1023 | 125 | 65 | 40 | 213 | 174 |
| | 4.0 | 112M | 545 | 295 | 350 | 580 | 390 | 890 | 155 | 14 | 85 | 1043 | 125 | 65 | 40 | 223 | 175 |
| | 5.5 | 132S | 565 | 315 | 400 | 630 | 440 | 940 | 155 | 18 | 85 | 1120 | 125 | 65 | 40 | 238 | 171 |
| GISO 65-50-160 | 0.55 | 80M | 367 | 207 | 270 | 430 | 310 | 675 | 125 | 14 | 67 | 771 | 80 | 65 | 50 | 103 | 85 |
| | 0.75 | 80M | 367 | 207 | 270 | 430 | 310 | 675 | 125 | 14 | 67 | 771 | 80 | 65 | 50 | 106 | 88 |
| | 1.1 | 90S | 367 | 207 | 270 | 430 | 310 | 690 | 130 | 14 | 73 | 796 | 80 | 65 | 50 | 108 | 84 |
| GISO 80-50-200 | 1.5 | 90L | 435 | 235 | 270 | 430 | 310 | 720 | 145 | 14 | 86 | 841 | 100 | 80 | 50 | 159 | 129 |
| | 2.2 | 100L | 435 | 235 | 270 | 430 | 310 | 750 | 160 | 14 | 103 | 883 | 100 | 80 | 50 | 170 | 133 |
| | 3.0 | 100L | 435 | 235 | 270 | 430 | 310 | 750 | 160 | 14 | 103 | 883 | 100 | 80 | 50 | 187 | 148 |
| GISO 80-50-250 | 3.0 | 100L | 500 | 275 | 350 | 580 | 390 | 880 | 150 | 14 | 79 | 1023 | 125 | 80 | 50 | 234 | 195 |
| | 4.0 | 112M | 500 | 275 | 350 | 580 | 390 | 890 | 155 | 14 | 85 | 1043 | 125 | 80 | 50 | 243 | 195 |
| | 5.5 | 132S | 520 | 295 | 400 | 630 | 440 | 940 | 155 | 18 | 85 | 1120 | 125 | 80 | 50 | 258 | 191 |
| GISO 80-50-315 | 4.0 | 112M | 600 | 320 | 350 | 580 | 390 | 890 | 155 | 14 | 85 | 1043 | 125 | 80 | 50 | 234 | 186 |
| | 5.5 | 132S | 620 | 340 | 400 | 630 | 440 | 980 | 175 | 18 | 103 | 1120 | 125 | 80 | 50 | 246 | 179 |
| | 7.5 | 132M | 620 | 340 | 400 | 630 | 440 | 980 | 175 | 18 | 103 | 1160 | 125 | 80 | 50 | 257 | 177 |
| GISO 80-65-160 | 0.75 | 80M | 415 | 235 | 270 | 430 | 310 | 675 | 125 | 14 | 125 | 791 | 100 | 80 | 65 | 145 | 127 |
| | 1.1 | 90S | 415 | 235 | 270 | 430 | 310 | 720 | 145 | 14 | 86 | 816 | 100 | 80 | 65 | 149 | 125 |
| | 1.5 | 90L | 415 | 235 | 270 | 430 | 310 | 720 | 145 | 14 | 86 | 841 | 100 | 80 | 65 | 153 | 123 |
| GISO 100-65-200 | 3.0 | 100L | 500 | 275 | 350 | 580 | 390 | 880 | 150 | 14 | 79 | 998 | 100 | 100 | 65 | 207 | 168 |
| | 4.0 | 112M | 500 | 275 | 350 | 580 | 390 | 890 | 155 | 14 | 85 | 1018 | 100 | 100 | 65 | 216 | 168 |
| | 5.5 | 132S | 520 | 295 | 400 | 630 | 440 | 940 | 155 | 18 | 85 | 1095 | 100 | 100 | 65 | 232 | 165 |
| GISO 100-65-250 | 4.0 | 112M | 545 | 295 | 350 | 580 | 390 | 910 | 165 | 14 | 76 | 1043 | 125 | 100 | 65 | 276 | 228 |
| | 5.5 | 132S | 565 | 315 | 400 | 630 | 440 | 990 | 180 | 18 | 94 | 1120 | 125 | 100 | 65 | 292 | 225 |
| | 7.5 | 132M | 565 | 315 | 400 | 630 | 440 | 990 | 180 | 18 | 94 | 1160 | 125 | 100 | 65 | 306 | 226 |
| GISO 100-65-315 | 7.5 | 132M | 620 | 340 | 400 | 630 | 440 | 1030 | 200 | 18 | 111 | 1190 | 125 | 100 | 65 | 282 | 202 |
| | 11.0 | 160M | 620 | 340 | 400 | 750 | 440 | 1160 | 205 | 18 | 118 | 1284 | 125 | 100 | 65 | 3288 | 3164 |
| | 15.0 | 160L | 620 | 340 | 400 | 750 | 440 | 1160 | 205 | 18 | 118 | 1329 | 125 | 100 | 65 | 350 | 204 |
| GISO 100-80-160 | 1.5 | 90L | 435 | 235 | 310 | 500 | 350 | 850 | 175 | 14 | 102 | 956 | 100 | 100 | 80 | 294 | 264 |
| | 2.2 | 100L | 455 | 255 | 350 | 580 | 390 | 880 | 150 | 14 | 79 | 998 | 100 | 100 | 80 | 301 | 264 |
| | 3.0 | 100L | 455 | 255 | 350 | 580 | 390 | 880 | 150 | 14 | 79 | 998 | 100 | 100 | 80 | 306 | 267 |

**Remarks**

1. Standard flange drilling to AS 2129-1982 Table "E"
2. Other drilling options available on request
3. Dimensions subject to change without notice. Do not use for construction purposes.
4. Motor dimensions and data may vary dependent on motor type

# ISO End Suction Centrifugal Pump - GISO Pump Dimensions (Pumpset)

| Model | Motor | Motor | Measurement | | | | | | | | | | | | | Weight (KG) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1450RPM) | (KW) | Size | H1 | H2 | HC1 | HC2 | BW | BL | BP | BH | OH | UL | FC | DNS | DND | With Motor | Without Motor |
| GISO 200-150-400 | 45.0 | 225M | 925 | 475 | 550 | 880 | 600 | 1465 | 300 | 28 | 190 | 1703 | 160 | 200 | 150 | 851 | 497 |
| | 55.0 | 250M | 925 | 475 | 550 | 1060 | 600 | 1530 | 240 | 28 | 130 | 1790 | 160 | 200 | 150 | 866 | 442 |
| | 75.0 | 280S | 925 | 475 | 550 | 1060 | 600 | 1635 | 300 | 28 | 190 | 1855 | 160 | 200 | 150 | 998 | 437 |
| | 90.0 | 280M | 925 | 475 | 550 | 1060 | 600 | 1635 | 300 | 28 | 190 | 1915 | 160 | 200 | 150 | 1013 | 353 |
| | 110.0 | 315S | 930 | 480 | 630 | 1140 | 680 | 1705 | 285 | 28 | 175 | 2140 | 160 | 200 | 150 | 1368 | 345 |
| GISO 200-150-500 | 75.0 | 280S | 1060 | 550 | 550 | 1060 | 600 | 1635 | 300 | 28 | 190 | 1855 | 160 | 200 | 150 | 1019 | 458 |
| | 90.0 | 280M | 1060 | 550 | 550 | 1060 | 600 | 1635 | 300 | 28 | 190 | 1915 | 160 | 200 | 150 | 1034 | 374 |
| | 110.0 | 315S | 1060 | 550 | 630 | 1140 | 680 | 1706 | 285 | 28 | 175 | 2140 | 160 | 200 | 150 | 1389 | 366 |
| | 132.0 | 315M | 1060 | 550 | 630 | 1140 | 680 | 1790 | 325 | 28 | 215 | 2140 | 160 | 200 | 150 | 1494 | 383 |
| | 160.0 | 315L | 1060 | 550 | 630 | 1140 | 680 | 1830 | 340 | 28 | 230 | 2215 | 160 | 200 | 150 | 1515 | 338 |
| GISO 250-200-315 | 30.0 | 200L | 925 | 475 | 550 | 880 | 600 | 1400 | 260 | 28 | 150 | 1651 | 180 | 250 | 200 | 755 | 500 |
| | 37.0 | 225S | 925 | 475 | 550 | 880 | 600 | 1465 | 300 | 28 | 190 | 1698 | 180 | 250 | 200 | 812 | 496 |
| | 45.0 | 225M | 925 | 475 | 550 | 880 | 600 | 1465 | 300 | 28 | 190 | 1723 | 180 | 250 | 200 | 840 | 486 |
| | 55.0 | 250M | 925 | 475 | 550 | 1050 | 600 | 1530 | 240 | 28 | 130 | 1810 | 180 | 250 | 200 | 919 | 495 |
| | 75.0 | 280S | 925 | 475 | 550 | 1050 | 600 | 1635 | 300 | 28 | 190 | 1885 | 180 | 250 | 200 | 1050 | 489 |
| GISO 250-200-400 | 75.0 | 280S | 1020 | 520 | 550 | 1050 | 600 | 1635 | 300 | 28 | 190 | 1885 | 180 | 250 | 200 | 1134 | 573 |
| | 90.0 | 280M | 1020 | 520 | 550 | 1050 | 600 | 1635 | 300 | 28 | 190 | 1935 | 180 | 250 | 200 | 1150 | 490 |
| | 110.0 | 315S | 1015 | 515 | 630 | 1140 | 680 | 1705 | 285 | 28 | 175 | 2160 | 180 | 250 | 200 | 1475 | 452 |
| | 132.0 | 315M | 1015 | 515 | 630 | 1140 | 680 | 1790 | 325 | 28 | 215 | 2160 | 180 | 250 | 200 | 1533 | 422 |
| | 160.0 | 315L | 1015 | 515 | 630 | 1140 | 680 | 1820 | 340 | 28 | 230 | 2235 | 180 | 250 | 200 | 1722 | 545 |
| GISO 300-250-400 | 90.0 | 280M | 1125 | 565 | 620 | 1040 | 670 | 1675 | 320 | 28 | 171 | 1965 | 220 | 300 | 250 | 1240 | 580 |
| | 110.0 | 315S | 1125 | 565 | 620 | 1140 | 670 | 1780 | 320 | 28 | 180 | 2162 | 220 | 300 | 250 | 1550 | 527 |
| | 132.0 | 315M | 1125 | 565 | 620 | 1140 | 670 | 1780 | 360 | 28 | 220 | 2277 | 220 | 300 | 250 | 1550 | 439 |
| | 160.0 | 315L | 1125 | 565 | 620 | 1140 | 670 | 1780 | 360 | 28 | 220 | 2277 | 220 | 300 | 250 | 1740 | 563 |
| GISO 300-250-315 | 55.0 | 250M | 1040 | 520 | 620 | 1040 | 670 | 1675 | 320 | 28 | 180 | 1845 | 220 | 300 | 250 | 998 | 574 |
| | 75.0 | 280S | 1040 | 520 | 620 | 1040 | 670 | 1675 | 320 | 28 | 180 | 1915 | 220 | 300 | 250 | 1123 | 562 |
| | 90.0 | 280M | 1040 | 520 | 620 | 1040 | 670 | 1675 | 320 | 28 | 180 | 1955 | 220 | 300 | 250 | 1138 | 478 |
| | 110.0 | 315S | 1040 | 520 | 620 | 1140 | 670 | 1780 | 320 | 28 | 180 | 2171 | 220 | 300 | 250 | 1471 | 448 |
| | 132.0 | 315M | 1040 | 520 | 620 | 1140 | 670 | 1865 | 360 | 28 | 220 | 2285 | 220 | 300 | 250 | 1551 | 440 |
| | 160.0 | 315L | 1040 | 520 | 620 | 1140 | 670 | 1865 | 360 | 28 | 220 | 2285 | 220 | 300 | 250 | 1641 | 464 |

**Remarks**

1. Standard flange drilling to AS 2129-1982 Table "E"
2. Other drilling options available on request
3. Dimensions subject to change without notice. Do not use for construction purposes.
4. Motor dimensions and data may vary dependent on motor type

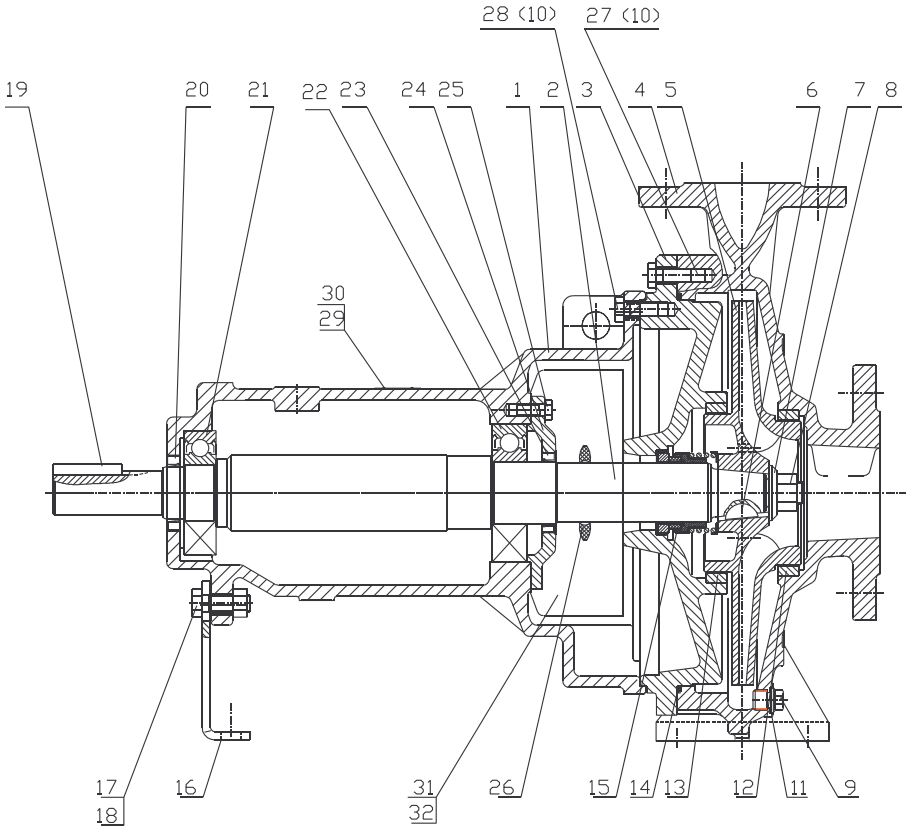
# ISO End Suction Centrifugal Pump - GISO Pump Dimensions (Pumpset)

| Model | Motor | Motor | Measurement | | | | | | | | | | | | | Weight (KG) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (960RPM) | (KW) | Size | H1 | H2 | HC1 | HC2 | BW | BL | BP | BH | OH | UL | FC | DNS | DND | With Motor | Without Motor |
| GISO 400-300-460 | 45.0 | 280S | 1305 | 685 | 740 | 1285 | 800 | 1935 | 315 | 28 | 155 | 2285 | 300 | 400 | 300 | 1378 | 866 |
| | 55.0 | 280M | 1305 | 685 | 740 | 1330 | 800 | 1980 | 315 | 28 | 155 | 2336 | 300 | 400 | 300 | 1460 | 866 |
| | 75.0 | 315S | 1305 | 685 | 740 | 1380 | 800 | 2030 | 315 | 28 | 155 | 2495 | 300 | 400 | 300 | 1450 | 503 |
| | 90.0 | 315M | 1305 | 685 | 740 | 1480 | 800 | 2140 | 315 | 28 | 155 | 2605 | 300 | 400 | 300 | 1908 | 874 |
| GISO 400-300-550 | 45.0 | 280S | 1375 | 725 | 740 | 1275 | 800 | 1935 | 330 | 28 | 170 | 2285 | 300 | 400 | 300 | 1425 | 913 |
| | 55.0 | 280M | 1375 | 725 | 740 | 1320 | 800 | 1980 | 330 | 28 | 170 | 2336 | 300 | 400 | 300 | 1506 | 912 |
| | 75.0 | 315S | 1375 | 725 | 740 | 1380 | 800 | 2040 | 330 | 28 | 170 | 2495 | 300 | 400 | 300 | 1498 | 551 |
| | 90.0 | 315M | 1375 | 725 | 740 | 1480 | 800 | 2140 | 330 | 28 | 170 | 2605 | 300 | 400 | 300 | 1955 | 921 |
| | 110.0 | 315L | 1375 | 725 | 740 | 1475 | 800 | 2135 | 330 | 28 | 170 | 2605 | 300 | 400 | 300 | 2141 | 931 |
| | 132.0 | 355M | 1375 | 725 | 740 | 1475 | 800 | 2135 | 330 | 28 | 170 | 2605 | 300 | 400 | 300 | 2206 | 913 |
| GISO 400-350-480 | 45.0 | 280S | 1435 | 755 | 840 | 1275 | 900 | 1965 | 345 | 28 | 160 | 2285 | 300 | 400 | 350 | 1528 | 1016 |
| | 55.0 | 280M | 1435 | 755 | 840 | 1310 | 900 | 2000 | 345 | 28 | 160 | 2336 | 300 | 400 | 350 | 1609 | 1015 |
| | 75.0 | 315S | 1435 | 755 | 840 | 1380 | 900 | 2070 | 345 | 28 | 160 | 2495 | 300 | 400 | 350 | 1609 | 662 |
| | 90.0 | 315M | 1435 | 755 | 840 | 1480 | 900 | 2170 | 345 | 28 | 160 | 2605 | 300 | 400 | 350 | 2050 | 1016 |
| | 110.0 | 315L | 1435 | 755 | 840 | 1475 | 900 | 2165 | 345 | 28 | 160 | 2605 | 300 | 400 | 350 | 2241 | 1031 |
| | 132.0 | 355M | 1435 | 755 | 840 | 1475 | 900 | 2165 | 345 | 28 | 160 | 2605 | 300 | 400 | 350 | 2306 | 1013 |
| GISO 400-400-410 | 45.0 | 280S | 1335 | 685 | 740 | 1285 | 800 | 1985 | 335 | 28 | 135 | 2285 | 300 | 400 | 400 | 1452 | 940 |
| | 55.0 | 280M | 1335 | 685 | 740 | 1330 | 800 | 2030 | 335 | 28 | 135 | 2336 | 300 | 400 | 400 | 1540 | 946 |
| | 75.0 | 315S | 1335 | 685 | 740 | 1380 | 800 | 2080 | 335 | 28 | 135 | 2495 | 300 | 400 | 400 | 1540 | 593 |
| | 90.0 | 315M | 1335 | 685 | 740 | 1480 | 800 | 2180 | 335 | 28 | 135 | 2605 | 300 | 400 | 400 | 1990 | 956 |

**Remarks**

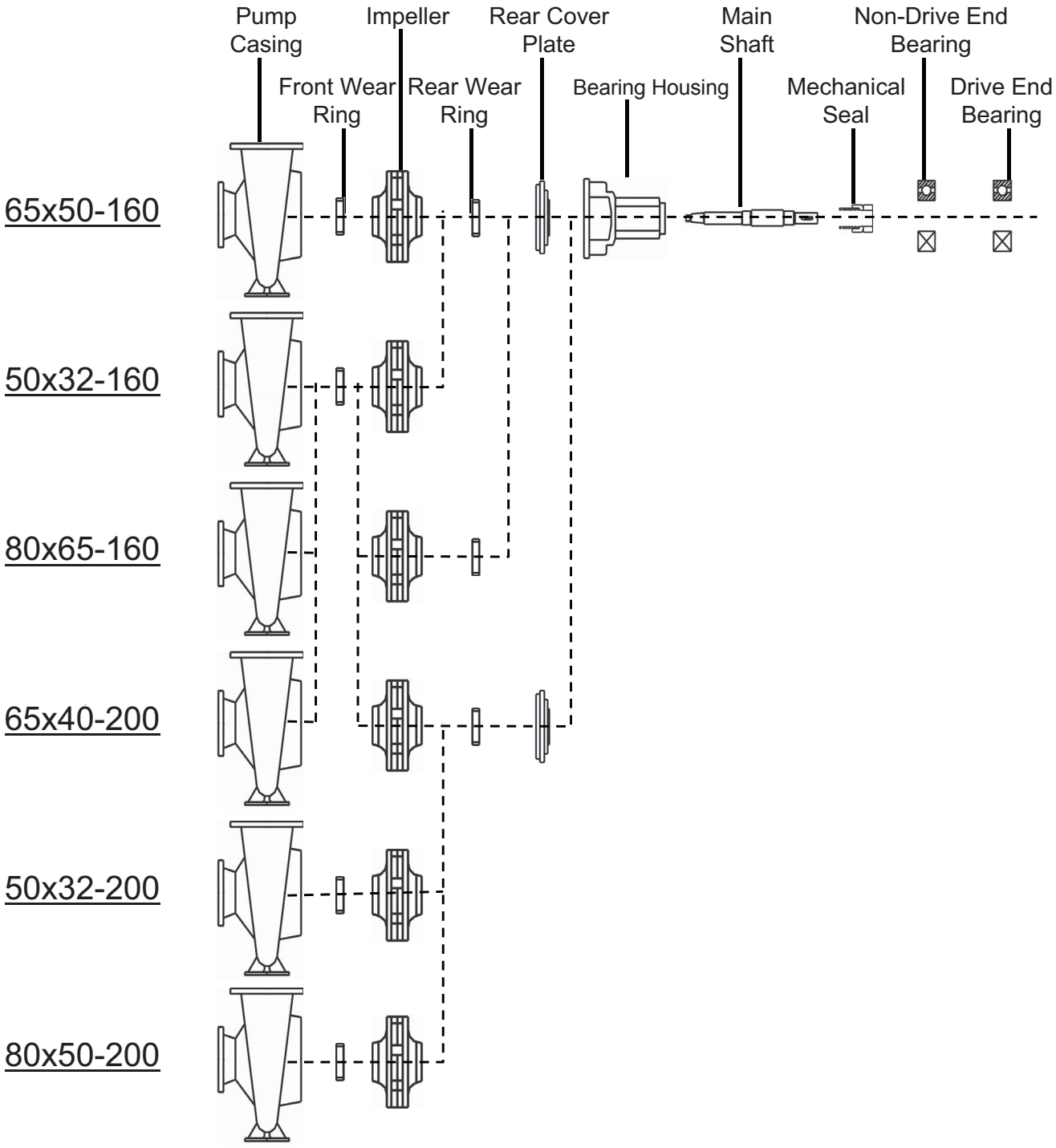
1. Standard flange drilling to AS 2129-1982 Table "E"
2. Other drilling options available on request
3. Dimensions subject to change without notice. Do not use for construction purposes.
4. Motor dimensions and data may vary dependent on motor type

# ISO End Suction Centrifugal Pump - GISO Pump Grease-Lubricated Sectional Drawing

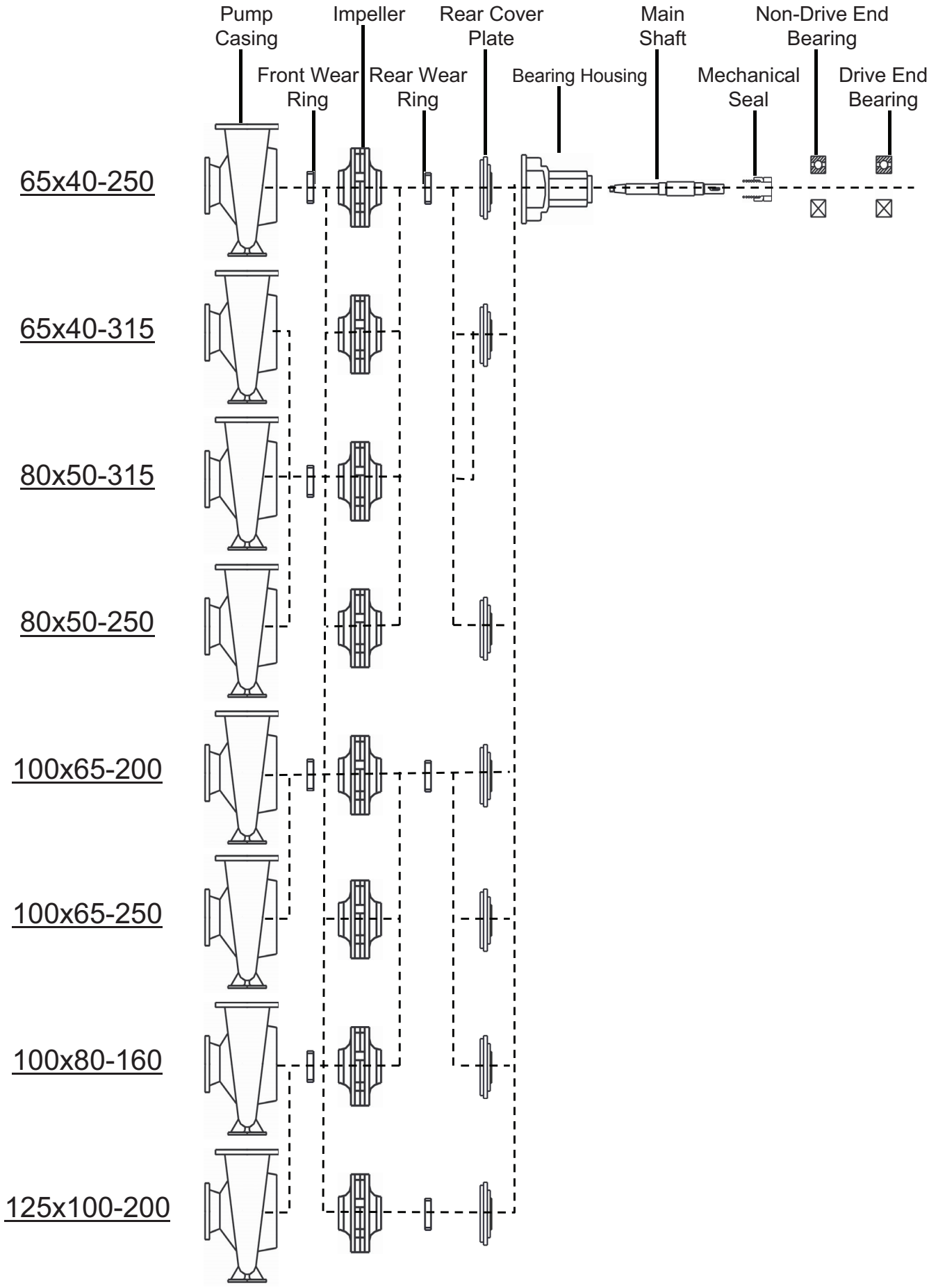



| Item | Description | Item | Description |
|---|---|---|---|
| 1 | Bearing Box | 17 | Connection Bolt - Supporting Leg & Bearing Box |
| 2 | Shaft | 18 | Connection Nut - Supporting Leg & Bearing Box |
| 3 | Rear Cover Plate | 19 | Connection Key |
| 4 | Pump Casing | 20 | Oil Seal - Drive End |
| 5 | Impeller | 21 | Bearing - Drive End |
| 6 | Impeller Connection Key | 22 | Bearing - Impeller End |
| 7 | Impeller Washer | 23 | Oil Seal - Impeller End |
| 8 | Impeller Locking Nut | 24 | Bearing Gland |
| 9 | Venting Plug | 25 | Connection Bolt - Bearing Gland & Bearing Box |
| 10 | Connection Bolt - Bearing Box & Pump Casing | 26 | Water Proof Ring |
| 11 | Washer | 27 | Connection Bolt - Rear Cover Plate & Pump Casing |
| 12 | Front Friction Ring | 28 | Connection Bolt - Bearing Box & Rear Cover Plate |
| 13 | Rear Friction Ring | 29 | Rivet |
| 14 | O Ring - Pump Casing | 30 | Nameplate |
| 15 | Mechanical Seal | 31 | Protective Sleeve |
| 16 | Supporting Leg | 32 | Connection Bolt - Protective Sleeve |

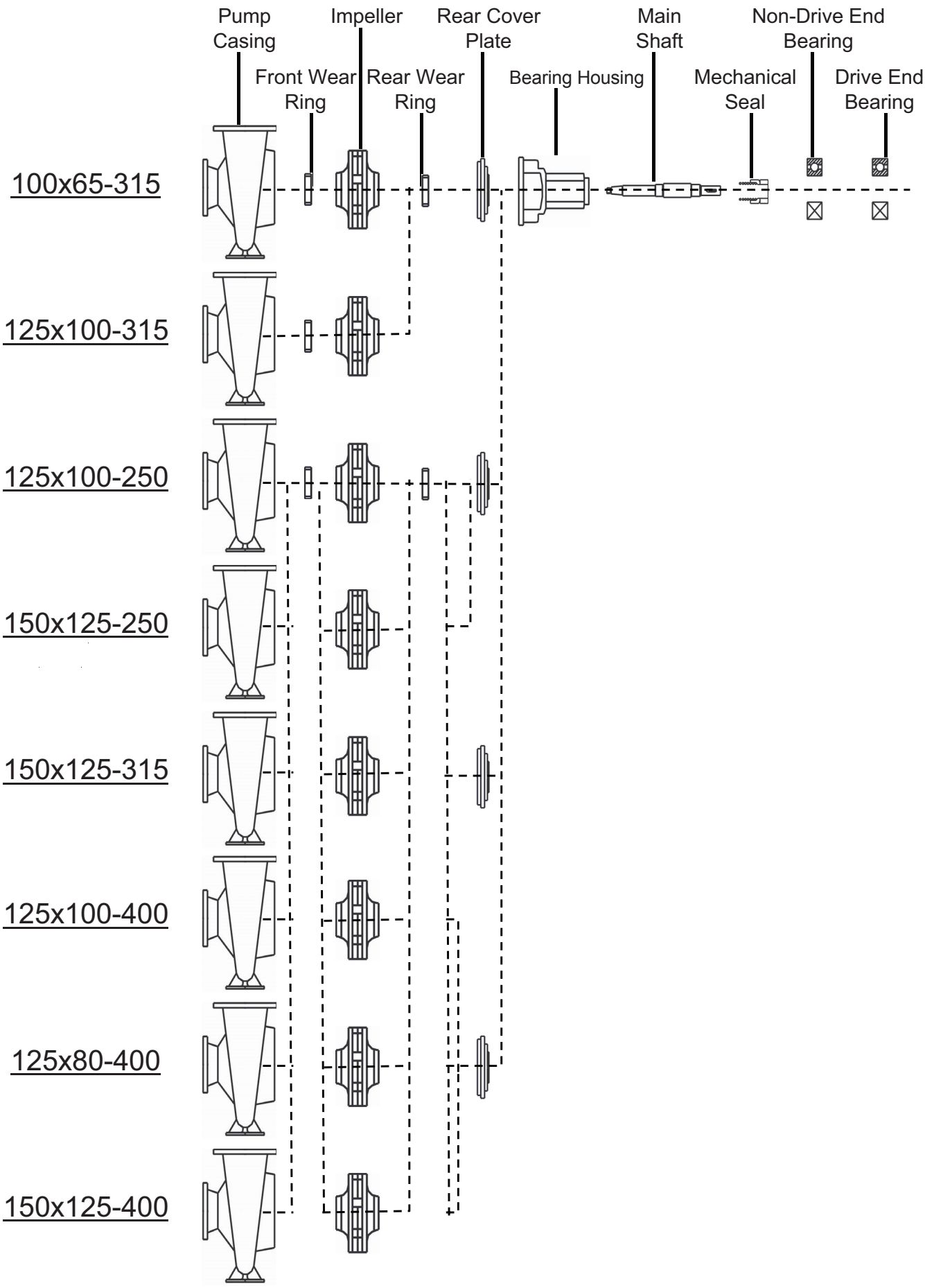
ISO End Suction Centrifugal Pump - GISO Pump Component Interchangeability Module #1



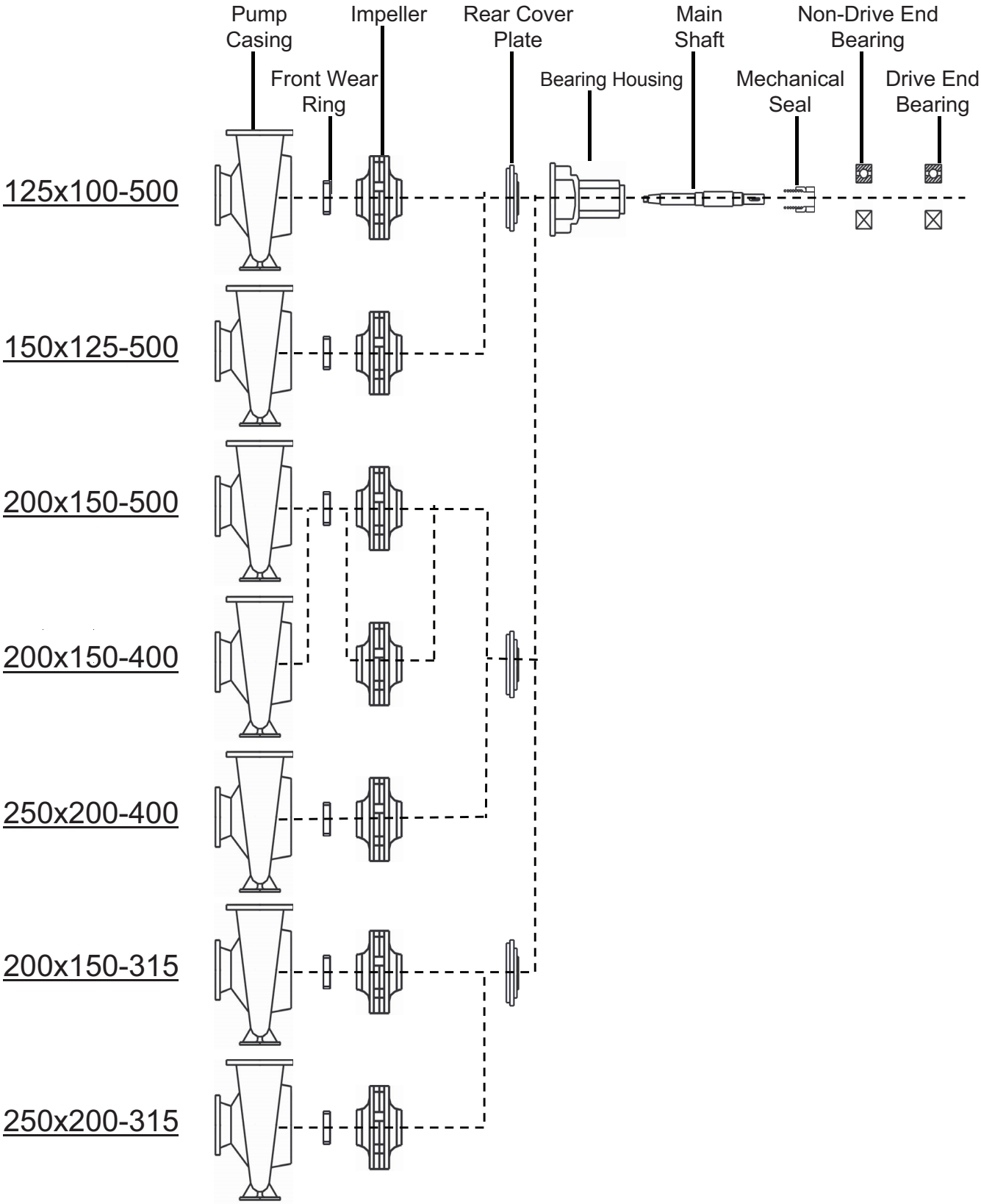
ISO End Suction Centrifugal Pump - GISO Pump Component Interchangeability Module #2



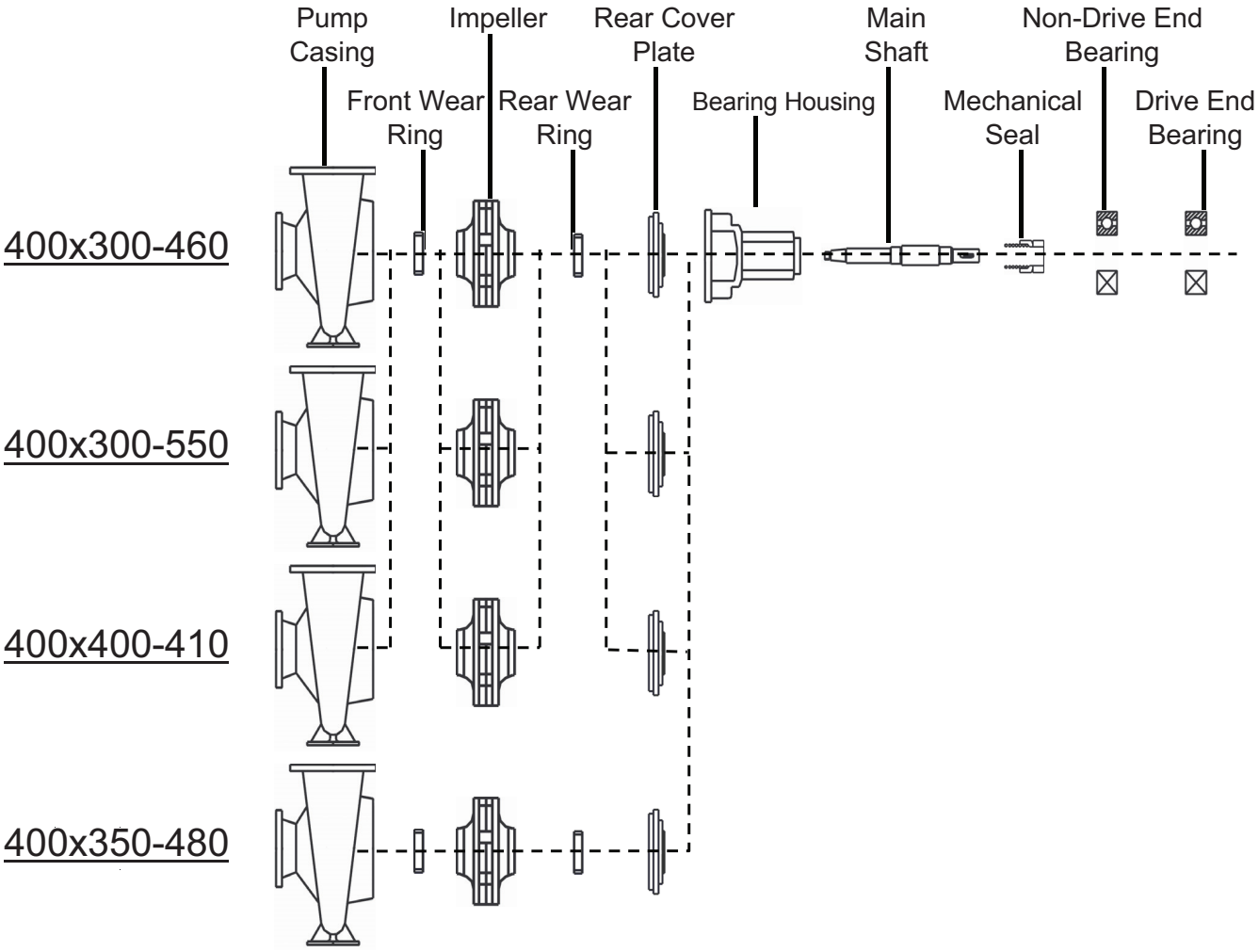
ISO End Suction Centrifugal Pump - GISO Pump Component Interchangeability Module #3



ISO End Suction Centrifugal Pump - GISO Pump Component Interchangeability Module #4



ISO End Suction Centrifugal Pump - GISO Pump Component Interchangeability Module #5



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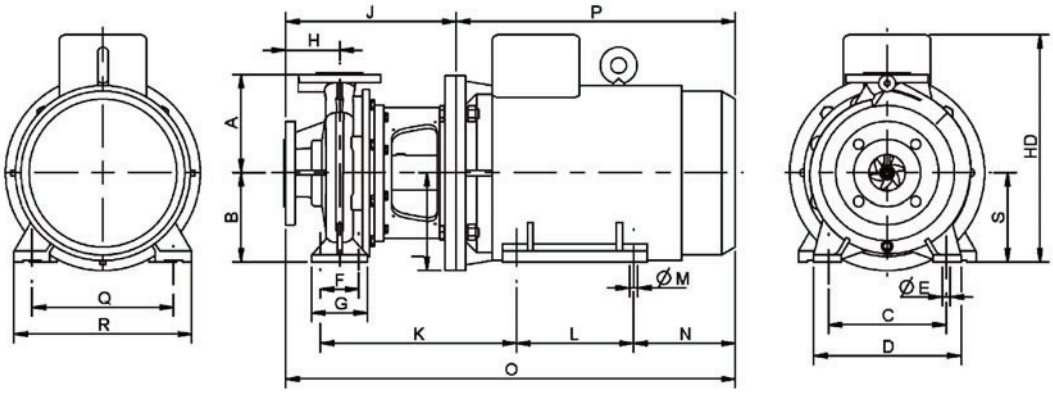
a xylem brand

# ISO End Suction Centrifugal Pump - GIS Pump Dimensions (Pumpset - 2 Pole)




| Model | Measurement | | | | | | | | Motor | Motor | Measurement | | | | | | | | | | | | Weight (KG) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (2900RPM) | A | B | C | D | E | F | G | H | (KW) | Size | I | J | K | L | N | M | O | P | Q | R | S | HD | With Motor | Without Motor |
| GIS 50-32-160 | 160 | 132 | 190 | 240 | 14 | 70 | 100 | 80 | 3.0 | 100L | 125 | 227 | 245 | 140 | 106 | 12 | 536 | 309 | 160 | 205 | 100 | 269 | 81 | 45 |
| | 160 | 132 | 190 | 240 | 14 | 70 | 100 | 80 | 4.0 | 112M | 125 | 227 | 252 | 140 | 128 | 12 | 565 | 338 | 190 | 205 | 112 | 302 | 94 | 50 |
| | 160 | 132 | 190 | 240 | 14 | 70 | 100 | 80 | 5.5 | 132S | 150 | 256 | 300 | 140 | 153 | 12 | 638 | 382 | 216 | 270 | 132 | 342 | 119 | 54 |
| GIS 50-32-200 | 180 | 160 | 190 | 240 | 14 | 70 | 100 | 80 | 5.5 | 132S | 150 | 256 | 300 | 140 | 153 | 12 | 638 | 382 | 216 | 270 | 132 | 342 | 138 | 73 |
| | 180 | 160 | 190 | 240 | 14 | 70 | 100 | 80 | 7.5 | 132S | 150 | 256 | 300 | 140 | 153 | 12 | 638 | 382 | 216 | 270 | 132 | 342 | 144 | 76 |
| | 180 | 160 | 190 | 240 | 14 | 70 | 100 | 80 | 11.0 | 160M | 175 | 290 | 353 | 210 | 183 | 15 | 791 | 501 | 254 | 320 | 160 | 408 | 206 | 88 |
| GIS 65-50-160 | 160 | 132 | 190 | 240 | 14 | 70 | 100 | 80 | 4.0 | 112M | 125 | 227 | 252 | 140 | 128 | 12 | 565 | 338 | 190 | 205 | 112 | 302 | 105 | 61 |
| | 160 | 132 | 190 | 240 | 14 | 70 | 100 | 80 | 5.5 | 132S | 150 | 256 | 300 | 140 | 153 | 12 | 638 | 382 | 216 | 270 | 132 | 342 | 130 | 65 |
| | 160 | 132 | 190 | 240 | 14 | 70 | 100 | 80 | 7.5 | 132S | 150 | 256 | 300 | 140 | 153 | 12 | 638 | 382 | 216 | 270 | 132 | 342 | 136 | 68 |
| GIS 65-40-200 | 180 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 7.5 | 132S | 150 | 276 | 300 | 140 | 153 | 12 | 658 | 382 | 216 | 270 | 132 | 342 | 144 | 76 |
| | 180 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 11.0 | 160M | 175 | 310 | 353 | 210 | 183 | 15 | 811 | 501 | 254 | 320 | 160 | 408 | 206 | 88 |
| | 180 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 15.0 | 160M | 175 | 310 | 353 | 210 | 183 | 15 | 811 | 501 | 254 | 320 | 160 | 408 | 215 | 86 |
| GIS 80-65-160 | 180 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 5.5 | 132S | 150 | 276 | 300 | 140 | 153 | 12 | 658 | 382 | 216 | 270 | 132 | 342 | 137 | 72 |
| | 180 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 7.5 | 132S | 150 | 276 | 300 | 140 | 153 | 12 | 658 | 382 | 216 | 270 | 132 | 342 | 143 | 75 |
| | 180 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 11.0 | 160M | 175 | 310 | 353 | 210 | 183 | 15 | 811 | 501 | 254 | 320 | 160 | 408 | 205 | 87 |
| | 180 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 15.0 | 160M | 175 | 310 | 353 | 210 | 183 | 15 | 811 | 501 | 254 | 320 | 160 | 408 | 213 | 84 |
| GIS 80-50-200 | 200 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 11.0 | 160M | 175 | 310 | 353 | 210 | 183 | 15 | 811 | 501 | 254 | 320 | 160 | 408 | 210 | 92 |
| | 200 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 15.0 | 160M | 175 | 310 | 353 | 210 | 183 | 15 | 811 | 501 | 254 | 320 | 160 | 408 | 218 | 89 |
| | 200 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 18.5 | 160L | 175 | 310 | 353 | 254 | 183 | 15 | 855 | 545 | 254 | 320 | 160 | 408 | 242 | 95 |
| | 200 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 22.0 | 180M | 175 | 310 | 366 | 241 | 218 | 15 | 890 | 580 | 279 | 355 | 180 | 448 | 283 | 97 |
| GIS 65-40-250 | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 11.0 | 160M | 175 | 310 | 365 | 210 | 183 | 15 | 811 | 501 | 254 | 320 | 160 | 408 | 239 | 121 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 15.0 | 160M | 175 | 310 | 365 | 210 | 183 | 15 | 811 | 501 | 254 | 320 | 160 | 408 | 247 | 118 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 18.5 | 160L | 175 | 310 | 365 | 254 | 183 | 15 | 855 | 545 | 254 | 320 | 160 | 408 | 274 | 127 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 22.0 | 180M | 175 | 310 | 378 | 241 | 218 | 15 | 890 | 580 | 279 | 355 | 180 | 448 | 300 | 114 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 30.0 | 200L | 200 | 318 | 398 | 305 | 234 | 19 | 990 | 672 | 318 | 395 | 200 | 504 | 385 | 143 |
| GIS 65-40-315 | 250 | 200 | 280 | 345 | 14 | 95 | 125 | 125 | 22.0 | 180M | 175 | 335 | 378 | 241 | 218 | 15 | 915 | 580 | 279 | 355 | 180 | 448 | 326 | 140 |
| | 250 | 200 | 280 | 345 | 14 | 95 | 125 | 125 | 30.0 | 200L | 200 | 343 | 398 | 305 | 234 | 19 | 1015 | 672 | 318 | 395 | 200 | 504 | 397 | 155 |
| | 250 | 200 | 280 | 345 | 14 | 95 | 125 | 125 | 37.0 | 200L | 200 | 343 | 398 | 305 | 234 | 19 | 1015 | 672 | 318 | 395 | 200 | 504 | 412 | 149 |
| | 250 | 200 | 280 | 345 | 14 | 95 | 125 | 125 | 45.0 | 225M | 225 | 343 | 414 | 311 | 249 | 19 | 1052 | 709 | 356 | 435 | 225 | 553 | 475 | 148 |

**Remarks**

1. Standard flange drilling to AS 2129-1982 Table "E"
2. Other drilling options available on request
3. Dimensions subject to change without notice. Do not use for construction purposes.
4. Motor dimensions and data may vary dependent on motor type

# ISO End Suction Centrifugal Pump - GIS Pump Dimensions (Pumpset - 2 Pole)

| Model | Measurement | | | | | | | | Motor | Motor | Measurement | | | | | | | | | | | | Weight (KG) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (2900RPM) | A | B | C | D | E | F | G | H | (KW) | Size | I | J | K | L | N | M | O | P | Q | R | S | HD | With Motor | Without Motor |
| GIS 80-50-250 | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 125 | 18.5 | 160L | 175 | 335 | 365 | 254 | 183 | 15 | 880 | 545 | 254 | 320 | 160 | 408 | 278 | 131 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 125 | 22.0 | 180M | 175 | 335 | 378 | 241 | 218 | 15 | 915 | 580 | 279 | 355 | 180 | 448 | 305 | 119 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 125 | 30.0 | 200L | 200 | 343 | 398 | 305 | 234 | 19 | 1015 | 672 | 318 | 395 | 200 | 504 | 390 | 148 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 125 | 37.0 | 200L | 200 | 343 | 398 | 305 | 234 | 19 | 1015 | 672 | 318 | 395 | 200 | 504 | 406 | 143 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 125 | 45.0 | 225M | 225 | 343 | 414 | 311 | 249 | 19 | 1052 | 709 | 356 | 435 | 225 | 553 | 472 | 145 |
| GIS 80-50-315 | 280 | 225 | 280 | 345 | 14 | 95 | 125 | 125 | 30.0 | 200L | 200 | 343 | 398 | 305 | 234 | 19 | 1015 | 672 | 318 | 395 | 200 | 504 | 410 | 168 |
| | 280 | 225 | 280 | 345 | 14 | 95 | 125 | 125 | 37.0 | 200L | 200 | 343 | 398 | 305 | 234 | 19 | 1015 | 672 | 318 | 395 | 200 | 504 | 426 | 163 |
| | 280 | 225 | 280 | 345 | 14 | 95 | 125 | 125 | 45.0 | 225M | 225 | 343 | 414 | 311 | 249 | 19 | 1052 | 709 | 356 | 435 | 225 | 553 | 489 | 162 |
| | 280 | 225 | 280 | 345 | 14 | 95 | 125 | 125 | 55.0 | 250M | 275 | 380 | 470 | 349 | 274 | 24 | 1171 | 791 | 406 | 490 | 250 | 609 | 602 | 184 |
| | 280 | 225 | 280 | 345 | 14 | 95 | 125 | 125 | 75.0 | 280S | 275 | 380 | 492 | 368 | 284 | 24 | 1221 | 842 | 457 | 550 | 280 | 668 | 759 | 198 |
| GIS 100-80-160 | 200 | 160 | 212 | 280 | 14 | 95 | 125 | 100 | 11.0 | 160M | 175 | 310 | 365 | 210 | 183 | 15 | 811 | 501 | 254 | 320 | 160 | 408 | 225 | 107 |
| | 200 | 160 | 212 | 280 | 14 | 95 | 125 | 100 | 15.0 | 160M | 175 | 310 | 365 | 210 | 183 | 15 | 811 | 501 | 254 | 320 | 160 | 408 | 233 | 104 |
| | 200 | 160 | 212 | 280 | 14 | 95 | 125 | 100 | 18.5 | 160L | 175 | 310 | 365 | 254 | 183 | 15 | 855 | 545 | 254 | 320 | 160 | 408 | 258 | 111 |
| | 200 | 160 | 212 | 280 | 14 | 95 | 125 | 100 | 22.0 | 180M | 175 | 310 | 378 | 241 | 218 | 15 | 890 | 580 | 279 | 355 | 180 | 448 | 302 | 116 |
| GIS 100-65-200 | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 15.0 | 160M | 175 | 310 | 365 | 210 | 183 | 15 | 811 | 501 | 254 | 320 | 160 | 408 | 247 | 118 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 18.5 | 160L | 175 | 310 | 365 | 254 | 183 | 15 | 855 | 545 | 254 | 320 | 160 | 408 | 273 | 126 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 22.0 | 180M | 175 | 310 | 378 | 241 | 218 | 15 | 890 | 580 | 279 | 355 | 180 | 448 | 300 | 114 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 30.0 | 200L | 200 | 318 | 398 | 305 | 234 | 19 | 990 | 672 | 318 | 395 | 200 | 504 | 385 | 143 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 37.0 | 200L | 200 | 318 | 398 | 305 | 234 | 19 | 990 | 672 | 318 | 395 | 200 | 504 | 401 | 138 |
| GIS 100-65-250 | 250 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 30.0 | 200L | 200 | 343 | 411 | 305 | 234 | 19 | 1015 | 672 | 318 | 395 | 200 | 504 | 394 | 152 |
| | 250 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 37.0 | 200L | 200 | 343 | 411 | 305 | 234 | 19 | 1015 | 672 | 318 | 395 | 200 | 504 | 410 | 147 |
| | 250 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 45.0 | 225M | 225 | 343 | 427 | 311 | 249 | 19 | 1052 | 709 | 356 | 435 | 225 | 553 | 482 | 155 |
| | 250 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 55.0 | 250M | 275 | 380 | 483 | 349 | 274 | 24 | 1171 | 791 | 406 | 490 | 250 | 609 | 593 | 175 |
| | 250 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 75.0 | 280S | 275 | 380 | 505 | 368 | 284 | 24 | 1221 | 842 | 457 | 550 | 280 | 668 | 750 | 189 |
| GIS 125-100-200 | 280 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 22.0 | 180M | 175 | 335 | 391 | 241 | 218 | 15 | 915 | 580 | 279 | 355 | 180 | 448 | 327 | 141 |
| | 280 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 30.0 | 200L | 200 | 343 | 411 | 305 | 234 | 19 | 1015 | 672 | 318 | 395 | 200 | 504 | 399 | 157 |
| | 280 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 37.0 | 200L | 200 | 343 | 411 | 305 | 234 | 19 | 1015 | 672 | 318 | 395 | 200 | 504 | 415 | 152 |
| | 280 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 45.0 | 225M | 225 | 343 | 427 | 311 | 249 | 19 | 1052 | 709 | 356 | 435 | 225 | 553 | 487 | 160 |
| | 280 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 55.0 | 250M | 275 | 380 | 483 | 349 | 274 | 24 | 1171 | 791 | 406 | 490 | 250 | 609 | 597 | 179 |
| | 280 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 75.0 | 280S | 275 | 380 | 505 | 368 | 284 | 24 | 1221 | 842 | 457 | 550 | 280 | 668 | 754 | 193 |
| GIS 100-65-315 | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 125 | 55.0 | 250M | 275 | 387 | 490 | 349 | 274 | 24 | 1178 | 791 | 406 | 490 | 250 | 609 | 642 | 224 |
| | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 125 | 75.0 | 280S | 275 | 387 | 512 | 368 | 284 | 24 | 1229 | 842 | 457 | 550 | 280 | 668 | 798 | 237 |
| | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 125 | 90.0 | 280M | 275 | 387 | 512 | 419 | 284 | 24 | 1280 | 893 | 457 | 550 | 280 | 668 | 883 | 289 |
| GIS 125-100-250 | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 140 | 55.0 | 250M | 275 | 402 | 490 | 349 | 274 | 24 | 1193 | 791 | 406 | 490 | 250 | 609 | 656 | 238 |
| | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 140 | 75.0 | 280S | 275 | 402 | 512 | 368 | 284 | 24 | 1244 | 842 | 457 | 550 | 280 | 668 | 812 | 251 |
| | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 140 | 90.0 | 280M | 275 | 402 | 512 | 419 | 284 | 24 | 1295 | 893 | 457 | 550 | 280 | 668 | 897 | 303 |
| | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 140 | 110.0 | 315S | 330 | 402 | 538 | 406 | 423 | 28 | 1447 | 1045 | 508 | 635 | 315 | 875 | 1319 | 307 |
| GIS 125-100-315 | 315 | 250 | 315 | 400 | 18 | 120 | 160 | 140 | 90.0 | 280M | 275 | 402 | 512 | 419 | 284 | 24 | 1295 | 893 | 457 | 550 | 280 | 668 | 910 | 316 |
| | 315 | 250 | 315 | 400 | 18 | 120 | 160 | 140 | 110.0 | 315S | 330 | 402 | 538 | 406 | 423 | 28 | 1447 | 1045 | 508 | 635 | 315 | 875 | 1334 | 322 |

**Remarks**

1. Standard flange drilling to AS 2129-1982 Table "E"
2. Other drilling options available on request
3. Dimensions subject to change without notice. Do not use for construction purposes.
4. Motor dimensions and data may vary dependent on motor type

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# ISO End Suction Centrifugal Pump - GIS Pump Dimensions (Pumpset - 4 Pole)

| Model | Measurement | | | | | | | | Motor | Motor | Measurement | | | | | | | | | | | | Weight (KG) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1450RPM) | A | B | C | D | E | F | G | H | (KW) | Size | I | J | K | L | N | M | O | P | Q | R | S | HD | With Motor | Without Motor |
| GIS 50-32-160 | 160 | 132 | 190 | 240 | 14 | 70 | 100 | 80 | 0.75 | 80M | 100 | 215 | 220 | 100 | 165 | 94 | 459 | 244 | 125 | 165 | 80 | 225 | 62 | 44 |
| GIS 50-32-200 | 180 | 160 | 190 | 240 | 14 | 70 | 100 | 80 | 0.75 | 80M | 100 | 215 | 220 | 100 | 165 | 94 | 459 | 244 | 125 | 165 | 80 | 225 | 78 | 60 |
| | 180 | 160 | 190 | 240 | 14 | 70 | 100 | 80 | 1.1 | 90S | 100 | 215 | 226 | 100 | 165 | 113 | 484 | 269 | 140 | 180 | 90 | 245 | 83 | 59 |
| | 180 | 160 | 190 | 240 | 14 | 70 | 100 | 80 | 2.2 | 100L | 125 | 227 | 245 | 140 | 215 | 106 | 536 | 309 | 160 | 205 | 100 | 269 | 100 | 63 |
| GIS 65-50-160 | 160 | 132 | 190 | 240 | 14 | 70 | 100 | 80 | 0.75 | 80M | 100 | 215 | 220 | 100 | 165 | 94 | 459 | 244 | 125 | 165 | 80 | 225 | 73 | 55 |
| | 160 | 132 | 190 | 240 | 14 | 70 | 100 | 80 | 1.1 | 90S | 100 | 215 | 226 | 100 | 165 | 113 | 484 | 269 | 140 | 180 | 90 | 245 | 75 | 51 |
| GIS 65-40-200 | 180 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 1.1 | 90S | 100 | 235 | 226 | 100 | 165 | 113 | 504 | 269 | 140 | 180 | 90 | 245 | 84 | 60 |
| | 180 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 1.5 | 90L | 100 | 235 | 226 | 125 | 165 | 113 | 529 | 294 | 140 | 180 | 90 | 245 | 90 | 60 |
| | 180 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 2.2 | 100L | 125 | 247 | 245 | 140 | 215 | 106 | 556 | 309 | 160 | 205 | 100 | 269 | 101 | 64 |
| GIS 80-65-160 | 180 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 1.1 | 90S | 100 | 235 | 226 | 100 | 165 | 113 | 504 | 269 | 140 | 180 | 90 | 245 | 83 | 59 |
| | 180 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 1.5 | 90L | 100 | 235 | 226 | 125 | 165 | 113 | 529 | 294 | 140 | 180 | 90 | 245 | 88 | 58 |
| GIS 80-50-200 | 200 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 1.5 | 90L | 100 | 235 | 226 | 125 | 165 | 113 | 529 | 294 | 140 | 180 | 90 | 245 | 93 | 63 |
| | 200 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 2.2 | 100L | 125 | 247 | 245 | 140 | 215 | 106 | 556 | 309 | 160 | 205 | 100 | 269 | 105 | 68 |
| | 200 | 160 | 212 | 265 | 14 | 70 | 100 | 100 | 3.0 | 100L | 125 | 247 | 245 | 140 | 215 | 106 | 556 | 309 | 160 | 205 | 100 | 269 | 109 | 70 |
| GIS 65-40-250 | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 1.1 | 90S | 100 | 234 | 237 | 100 | 165 | 113 | 503 | 269 | 140 | 180 | 90 | 245 | 104 | 80 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 1.5 | 90L | 100 | 234 | 237 | 125 | 165 | 113 | 528 | 294 | 140 | 180 | 90 | 245 | 111 | 81 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 2.2 | 100L | 125 | 244 | 254 | 140 | 215 | 106 | 553 | 309 | 160 | 205 | 100 | 269 | 123 | 86 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 3.0 | 100L | 125 | 244 | 254 | 140 | 215 | 106 | 553 | 309 | 160 | 205 | 100 | 269 | 127 | 88 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 4.0 | 112M | 125 | 244 | 261 | 140 | 215 | 128 | 582 | 338 | 190 | 230 | 112 | 302 | 136 | 88 |
| GIS 65-40-315 | 250 | 200 | 280 | 345 | 14 | 95 | 125 | 125 | 2.2 | 100L | 125 | 269 | 254 | 140 | 215 | 106 | 578 | 309 | 160 | 205 | 100 | 269 | 142 | 105 |
| | 250 | 200 | 280 | 345 | 14 | 95 | 125 | 125 | 3.0 | 100L | 125 | 269 | 254 | 140 | 215 | 106 | 578 | 309 | 160 | 205 | 100 | 269 | 146 | 107 |
| | 250 | 200 | 280 | 345 | 14 | 95 | 125 | 125 | 4.0 | 112M | 125 | 269 | 261 | 140 | 215 | 128 | 607 | 338 | 190 | 230 | 112 | 302 | 153 | 105 |
| | 250 | 200 | 280 | 345 | 14 | 95 | 125 | 125 | 5.5 | 132S | 150 | 298 | 309 | 140 | 265 | 153 | 680 | 382 | 216 | 270 | 132 | 342 | 189 | 122 |
| | 250 | 200 | 280 | 345 | 14 | 95 | 125 | 125 | 7.5 | 132M | 150 | 298 | 309 | 178 | 265 | 153 | 718 | 420 | 216 | 270 | 132 | 342 | 207 | 127 |
| GIS 80-50-250 | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 125 | 3.0 | 100L | 125 | 269 | 254 | 140 | 215 | 106 | 578 | 309 | 160 | 205 | 100 | 269 | 132 | 93 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 125 | 4.0 | 112M | 125 | 269 | 261 | 140 | 215 | 128 | 607 | 338 | 190 | 230 | 112 | 302 | 141 | 93 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 125 | 5.5 | 132S | 150 | 298 | 309 | 140 | 265 | 153 | 680 | 382 | 216 | 270 | 132 | 342 | 176 | 109 |
| GIS 80-50-315 | 280 | 225 | 280 | 345 | 14 | 95 | 125 | 125 | 4.0 | 112M | 125 | 269 | 261 | 140 | 215 | 128 | 607 | 338 | 190 | 230 | 112 | 302 | 163 | 115 |
| | 280 | 225 | 280 | 345 | 14 | 95 | 125 | 125 | 5.5 | 132S | 150 | 298 | 309 | 140 | 265 | 153 | 680 | 382 | 216 | 270 | 132 | 342 | 204 | 137 |
| | 280 | 225 | 280 | 345 | 14 | 95 | 125 | 125 | 7.5 | 132M | 150 | 298 | 309 | 178 | 265 | 153 | 718 | 420 | 216 | 270 | 132 | 342 | 221 | 141 |
| | 280 | 225 | 280 | 345 | 14 | 95 | 125 | 125 | 11.0 | 160M | 175 | 335 | 365 | 210 | 300 | 183 | 836 | 501 | 254 | 320 | 160 | 408 | 271 | 147 |
| GIS 100-80-160 | 200 | 160 | 212 | 280 | 14 | 95 | 125 | 100 | 1.1 | 90S | 100 | 234 | 237 | 100 | 165 | 113 | 503 | 269 | 140 | 180 | 90 | 245 | 98 | 74 |
| | 200 | 160 | 212 | 280 | 14 | 95 | 125 | 100 | 1.5 | 90L | 100 | 234 | 237 | 125 | 165 | 113 | 528 | 294 | 140 | 180 | 90 | 245 | 104 | 74 |
| | 200 | 160 | 212 | 280 | 14 | 95 | 125 | 100 | 2.2 | 100L | 125 | 244 | 254 | 140 | 215 | 106 | 553 | 309 | 160 | 205 | 100 | 269 | 119 | 82 |
| | 200 | 160 | 212 | 280 | 14 | 95 | 125 | 100 | 3.0 | 100L | 125 | 244 | 254 | 140 | 215 | 106 | 553 | 309 | 160 | 205 | 100 | 269 | 123 | 84 |
| | 200 | 160 | 212 | 280 | 14 | 95 | 125 | 100 | 4.0 | 112M | 125 | 244 | 261 | 140 | 215 | 128 | 582 | 338 | 190 | 230 | 112 | 302 | 128 | 80 |
| GIS 100-65-200 | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 2.2 | 100L | 125 | 244 | 254 | 140 | 215 | 106 | 553 | 309 | 160 | 205 | 100 | 269 | 122 | 85 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 3.0 | 100L | 125 | 244 | 254 | 140 | 215 | 106 | 553 | 309 | 160 | 205 | 100 | 269 | 127 | 88 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 4.0 | 112M | 125 | 244 | 261 | 140 | 215 | 128 | 582 | 338 | 190 | 230 | 112 | 302 | 136 | 88 |
| | 225 | 180 | 250 | 320 | 14 | 95 | 125 | 100 | 5.5 | 132S | 150 | 273 | 309 | 140 | 265 | 153 | 655 | 382 | 216 | 270 | 132 | 342 | 171 | 104 |

**Remarks**

1. Standard flange drilling to AS 2129-1982 Table "E"
2. Other drilling options available on request
3. Dimensions subject to change without notice. Do not use for construction purposes.
4. Motor dimensions and data may vary dependent on motor type

GOULDS WATER TECHNOLOGY
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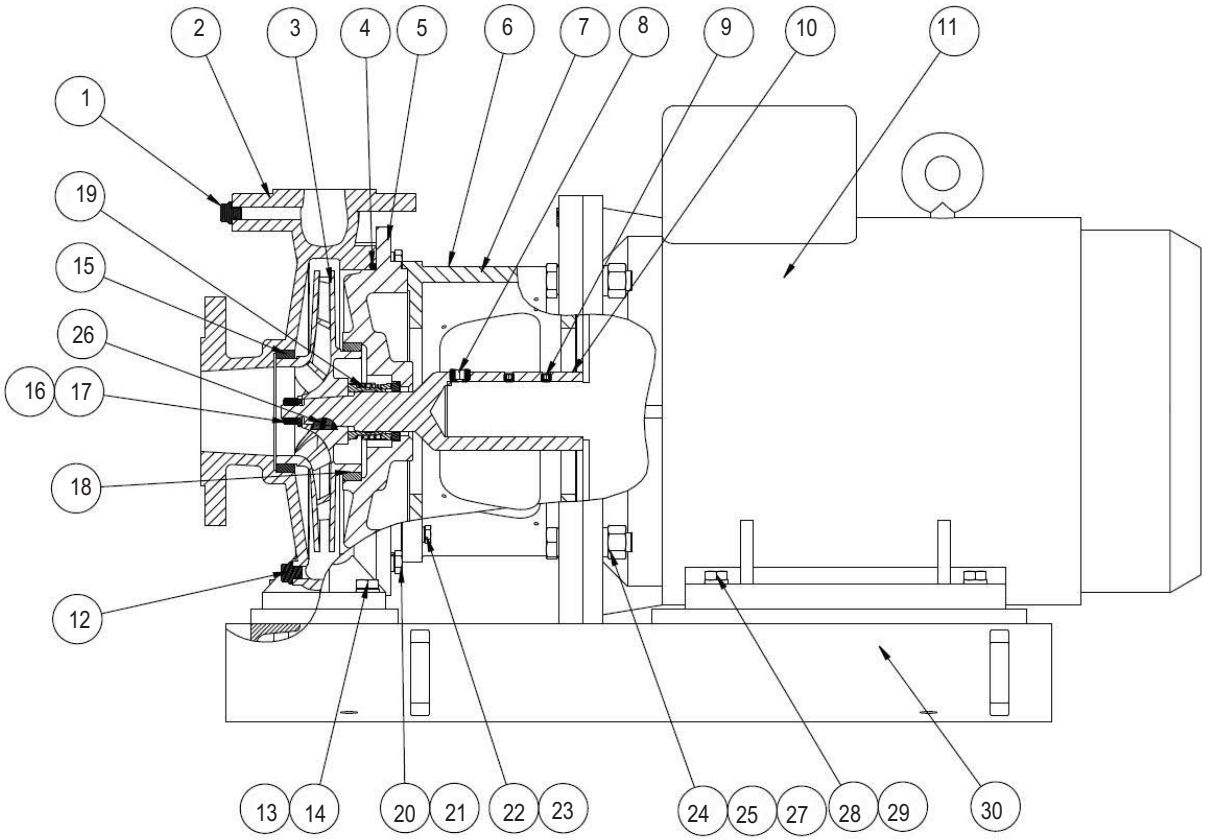
# ISO End Suction Centrifugal Pump - GIS Pump Dimensions (Pumpset - 4 Pole)

| Model | Measurement | | | | | | | | Motor | Motor | Measurement | | | | | | | | | | | | Weight (KG) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1450RPM) | A | B | C | D | E | F | G | H | (KW) | Size | I | J | K | L | N | M | O | P | Q | R | S | HD | With Motor | Without Motor |
| GIS 100-65-250 | 250 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 3.0 | 100L | 125 | 269 | 267 | 140 | 215 | 106 | 578 | 309 | 160 | 205 | 100 | 269 | 142 | 103 |
| | 250 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 4.0 | 112M | 125 | 269 | 274 | 140 | 215 | 128 | 607 | 338 | 190 | 230 | 112 | 302 | 150 | 102 |
| | 250 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 5.5 | 132S | 150 | 298 | 322 | 140 | 265 | 153 | 680 | 382 | 216 | 270 | 132 | 342 | 187 | 120 |
| | 250 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 7.5 | 132M | 150 | 298 | 322 | 178 | 265 | 153 | 718 | 420 | 216 | 270 | 132 | 342 | 204 | 124 |
| GIS 125-100-200 | 280 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 3.0 | 100L | 125 | 269 | 267 | 140 | 215 | 106 | 578 | 309 | 160 | 205 | 100 | 269 | 147 | 108 |
| | 280 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 4.0 | 112M | 125 | 269 | 274 | 140 | 215 | 128 | 607 | 338 | 190 | 230 | 112 | 302 | 155 | 107 |
| | 280 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 5.5 | 132S | 150 | 298 | 322 | 140 | 265 | 153 | 680 | 382 | 216 | 270 | 132 | 342 | 192 | 125 |
| | 280 | 200 | 280 | 360 | 18 | 120 | 160 | 125 | 7.5 | 132M | 150 | 298 | 322 | 178 | 265 | 153 | 718 | 420 | 216 | 270 | 132 | 342 | 208 | 128 |
| GIS 100-65-315 | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 125 | 5.5 | 132S | 150 | 305 | 329 | 140 | 265 | 153 | 687 | 382 | 216 | 270 | 132 | 342 | 217 | 150 |
| | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 125 | 7.5 | 132M | 150 | 305 | 329 | 178 | 265 | 153 | 725 | 420 | 216 | 270 | 132 | 342 | 236 | 156 |
| | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 125 | 11.0 | 160M | 175 | 341 | 384 | 210 | 300 | 183 | 842 | 501 | 254 | 320 | 160 | 408 | 284 | 160 |
| | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 125 | 15.0 | 160L | 175 | 341 | 384 | 254 | 300 | 183 | 886 | 545 | 254 | 320 | 160 | 408 | 309 | 163 |
| GIS 125-100-250 | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 140 | 11.0 | 160M | 175 | 356 | 384 | 210 | 300 | 183 | 857 | 501 | 254 | 320 | 160 | 408 | 298 | 174 |
| | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 140 | 15.0 | 160L | 175 | 356 | 384 | 254 | 300 | 183 | 901 | 545 | 254 | 320 | 160 | 408 | 323 | 177 |
| | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 140 | 18.5 | 180M | 175 | 356 | 397 | 241 | 300 | 218 | 936 | 580 | 279 | 355 | 180 | 448 | 360 | 176 |
| | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 140 | 22.0 | 180L | 175 | 356 | 397 | 279 | 300 | 218 | 974 | 618 | 279 | 355 | 180 | 448 | 372 | 173 |
| | 280 | 225 | 315 | 400 | 18 | 120 | 160 | 140 | 30.0 | 200L | 200 | 365 | 418 | 305 | 350 | 234 | 1037 | 672 | 318 | 395 | 200 | 504 | 467 | 212 |
| GIS 125-100-315 | 315 | 250 | 315 | 400 | 18 | 120 | 160 | 140 | 11.0 | 160M | 175 | 356 | 384 | 210 | 300 | 183 | 857 | 501 | 254 | 320 | 160 | 408 | 320 | 196 |
| | 315 | 250 | 315 | 400 | 18 | 120 | 160 | 140 | 15.0 | 160L | 175 | 356 | 384 | 254 | 300 | 183 | 901 | 545 | 254 | 320 | 160 | 408 | 346 | 200 |
| | 315 | 250 | 315 | 400 | 18 | 120 | 160 | 140 | 18.5 | 180M | 175 | 356 | 397 | 241 | 300 | 218 | 936 | 580 | 279 | 355 | 180 | 448 | 383 | 199 |
| | 315 | 250 | 315 | 400 | 18 | 120 | 160 | 140 | 22.0 | 180L | 175 | 356 | 397 | 279 | 300 | 218 | 974 | 618 | 279 | 355 | 180 | 448 | 395 | 196 |
| | 315 | 250 | 315 | 400 | 18 | 120 | 160 | 140 | 30.0 | 200L | 200 | 365 | 418 | 305 | 350 | 234 | 1037 | 672 | 318 | 395 | 200 | 504 | 495 | 240 |
| GIS 125-80-400 | 355 | 280 | 355 | 435 | 18 | 120 | 160 | 125 | 11.0 | 160M | 175 | 341 | 384 | 210 | 300 | 183 | 842 | 501 | 254 | 320 | 160 | 408 | 344 | 220 |
| | 355 | 280 | 355 | 435 | 18 | 120 | 160 | 125 | 15.0 | 160L | 175 | 341 | 384 | 254 | 300 | 183 | 886 | 545 | 254 | 320 | 160 | 408 | 370 | 224 |
| | 355 | 280 | 355 | 435 | 18 | 120 | 160 | 125 | 18.5 | 180M | 175 | 341 | 397 | 241 | 300 | 218 | 921 | 580 | 279 | 355 | 180 | 448 | 408 | 224 |
| | 355 | 280 | 355 | 435 | 18 | 120 | 160 | 125 | 22.0 | 180L | 175 | 341 | 397 | 279 | 300 | 218 | 959 | 618 | 279 | 355 | 180 | 448 | 420 | 221 |
| | 355 | 280 | 355 | 435 | 18 | 120 | 160 | 125 | 30.0 | 200L | 200 | 350 | 418 | 305 | 350 | 234 | 1022 | 672 | 318 | 395 | 200 | 504 | 529 | 274 |
| GIS 125-100-400 | 355 | 280 | 400 | 500 | 22 | 150 | 200 | 140 | 18.5 | 180M | 175 | 356 | 412 | 241 | 300 | 218 | 936 | 580 | 279 | 355 | 180 | 448 | 445 | 261 |
| | 355 | 280 | 400 | 500 | 22 | 150 | 200 | 140 | 22.0 | 180L | 175 | 356 | 412 | 279 | 300 | 218 | 974 | 618 | 279 | 355 | 180 | 448 | 457 | 258 |
| | 355 | 280 | 400 | 500 | 22 | 150 | 200 | 140 | 30.0 | 200L | 200 | 365 | 433 | 305 | 350 | 234 | 1037 | 672 | 318 | 395 | 200 | 504 | 547 | 292 |
| | 355 | 280 | 400 | 500 | 22 | 150 | 200 | 140 | 37.0 | 225S | 225 | 400 | 484 | 286 | 400 | 249 | 1084 | 684 | 356 | 435 | 225 | 553 | 580 | 264 |
| | 355 | 280 | 400 | 500 | 22 | 150 | 200 | 140 | 45.0 | 225M | 225 | 400 | 484 | 311 | 400 | 249 | 1109 | 709 | 356 | 435 | 225 | 553 | 620 | 266 |
| GIS 150-125-250 | 355 | 250 | 315 | 400 | 18 | 120 | 160 | 140 | 11.0 | 160M | 175 | 356 | 384 | 210 | 300 | 183 | 857 | 501 | 254 | 320 | 160 | 408 | 316 | 192 |
| | 355 | 250 | 315 | 400 | 18 | 120 | 160 | 140 | 15.0 | 160L | 175 | 356 | 384 | 254 | 300 | 183 | 901 | 545 | 254 | 320 | 160 | 408 | 342 | 196 |
| | 355 | 250 | 315 | 400 | 18 | 120 | 160 | 140 | 18.5 | 180M | 175 | 356 | 397 | 241 | 300 | 218 | 936 | 580 | 279 | 355 | 180 | 448 | 379 | 195 |
| | 355 | 250 | 315 | 400 | 18 | 120 | 160 | 140 | 22.0 | 180L | 175 | 356 | 397 | 279 | 300 | 218 | 974 | 618 | 279 | 355 | 180 | 448 | 391 | 192 |
| | 355 | 250 | 315 | 400 | 18 | 120 | 160 | 140 | 30.0 | 200L | 200 | 365 | 418 | 305 | 350 | 234 | 1037 | 672 | 318 | 395 | 200 | 504 | 491 | 236 |
| GIS 150-125-315 | 355 | 280 | 400 | 500 | 22 | 150 | 200 | 140 | 18.5 | 180M | 175 | 356 | 412 | 241 | 300 | 218 | 936 | 580 | 279 | 355 | 180 | 448 | 417 | 233 |
| | 355 | 280 | 400 | 500 | 22 | 150 | 200 | 140 | 22.0 | 180L | 175 | 356 | 412 | 279 | 300 | 218 | 974 | 618 | 279 | 355 | 180 | 448 | 430 | 231 |
| | 355 | 280 | 400 | 500 | 22 | 150 | 200 | 140 | 30.0 | 200L | 200 | 365 | 433 | 305 | 350 | 234 | 1037 | 672 | 318 | 395 | 200 | 504 | 520 | 265 |
| | 355 | 280 | 400 | 500 | 22 | 150 | 200 | 140 | 37.0 | 225S | 225 | 400 | 484 | 286 | 400 | 249 | 1084 | 684 | 356 | 435 | 225 | 553 | 549 | 233 |
| | 355 | 280 | 400 | 500 | 22 | 150 | 200 | 140 | 45.0 | 225M | 225 | 400 | 484 | 311 | 400 | 249 | 1109 | 709 | 356 | 435 | 225 | 553 | 593 | 239 |
| GIS 150-125-400 | 400 | 315 | 400 | 500 | 22 | 150 | 200 | 140 | 30.0 | 200L | 200 | 365 | 433 | 305 | 350 | 234 | 1037 | 672 | 318 | 395 | 200 | 504 | 561 | 306 |
| | 400 | 315 | 400 | 500 | 22 | 150 | 200 | 140 | 37.0 | 225S | 225 | 400 | 484 | 286 | 400 | 249 | 1084 | 684 | 356 | 435 | 225 | 553 | 599 | 283 |
| | 400 | 315 | 400 | 500 | 22 | 150 | 200 | 140 | 45.0 | 225M | 225 | 400 | 484 | 311 | 400 | 249 | 1109 | 709 | 356 | 435 | 225 | 553 | 640 | 286 |

**Remarks**

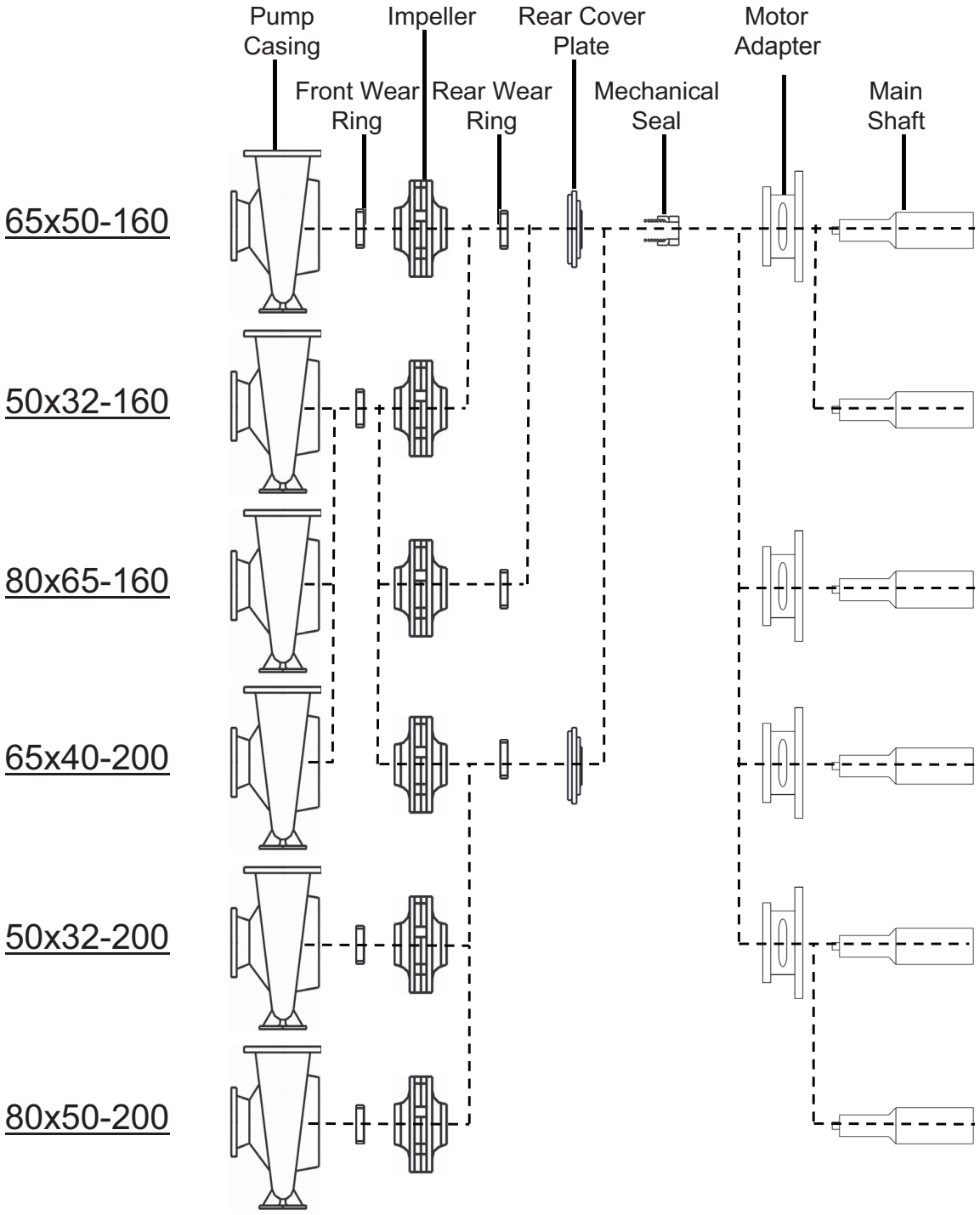
1. Standard flange drilling to AS 2129-1982 Table "E"
2. Other drilling options available on request
3. Dimensions subject to change without notice. Do not use for construction purposes.
4. Motor dimensions and data may vary dependent on motor type

# ISO End Suction Centrifugal Pump - GIS Pump Sectional Drawing (Pumpset)

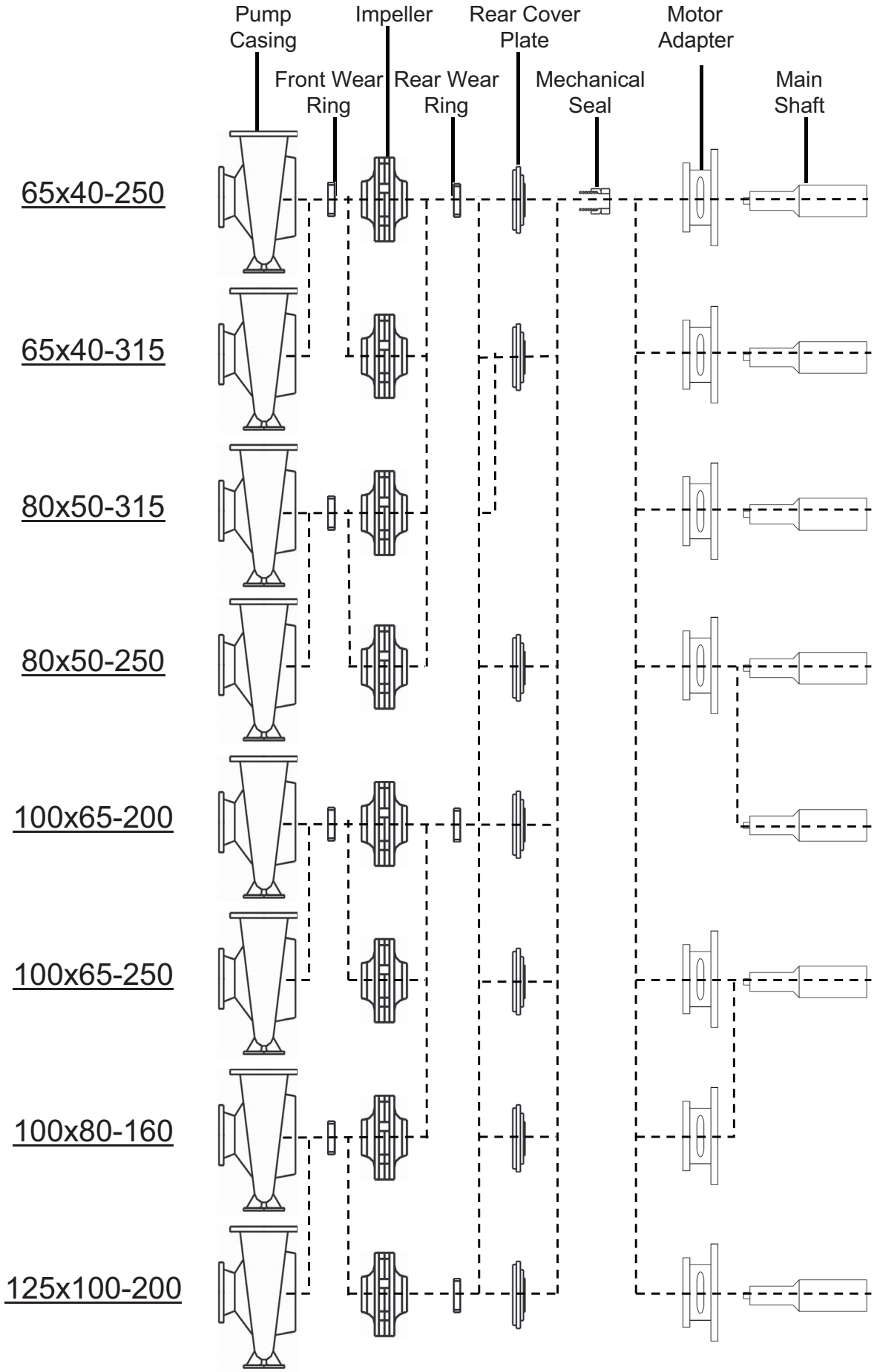



| Item | Description | Item | Description |
|---|---|---|---|
| 1 | Plug-on Flange | 16 | Impeller Nut |
| 2 | Casing | 17 | Impeller Gasket |
| 3 | Impeller | 18 | Wearing Ring-Motor End |
| 4 | O-Ring | 19 | Mechanical Seal |
| 5 | Cover | 20 | Bolt-On Casing and Cover |
| 6 | Nameplate | 21 | Spring Ring-On Casing and Cover |
| 7 | Adaptor | 22 | Bolt-On Adaptor Impeller End |
| 8 | Plug-on Shaft | 23 | Spring Ring-On Adaptor Impeller End |
| 9 | Plug-on Shaft | 24 | Bolt-On Adaptor Motor End |
| 10 | Stub Shaft | 25 | Spring Ring-On Adaptor Motor End |
| 11 | Motor | 26 | Impeller Key |
| 12 | Drain Plug-On Casing | 27 | Nut-On Adaptor Motor End |
| 13 | Bolt-On Baseplate Pump Side | 28 | Bolt-On Baseplate Motor End |
| 14 | Spring Ring-On Baseplate Pump Side | 29 | Spring Ring-On Baseplate Motor End |
| 15 | Wearing Ring-Suction End | 30 | Baseplate |

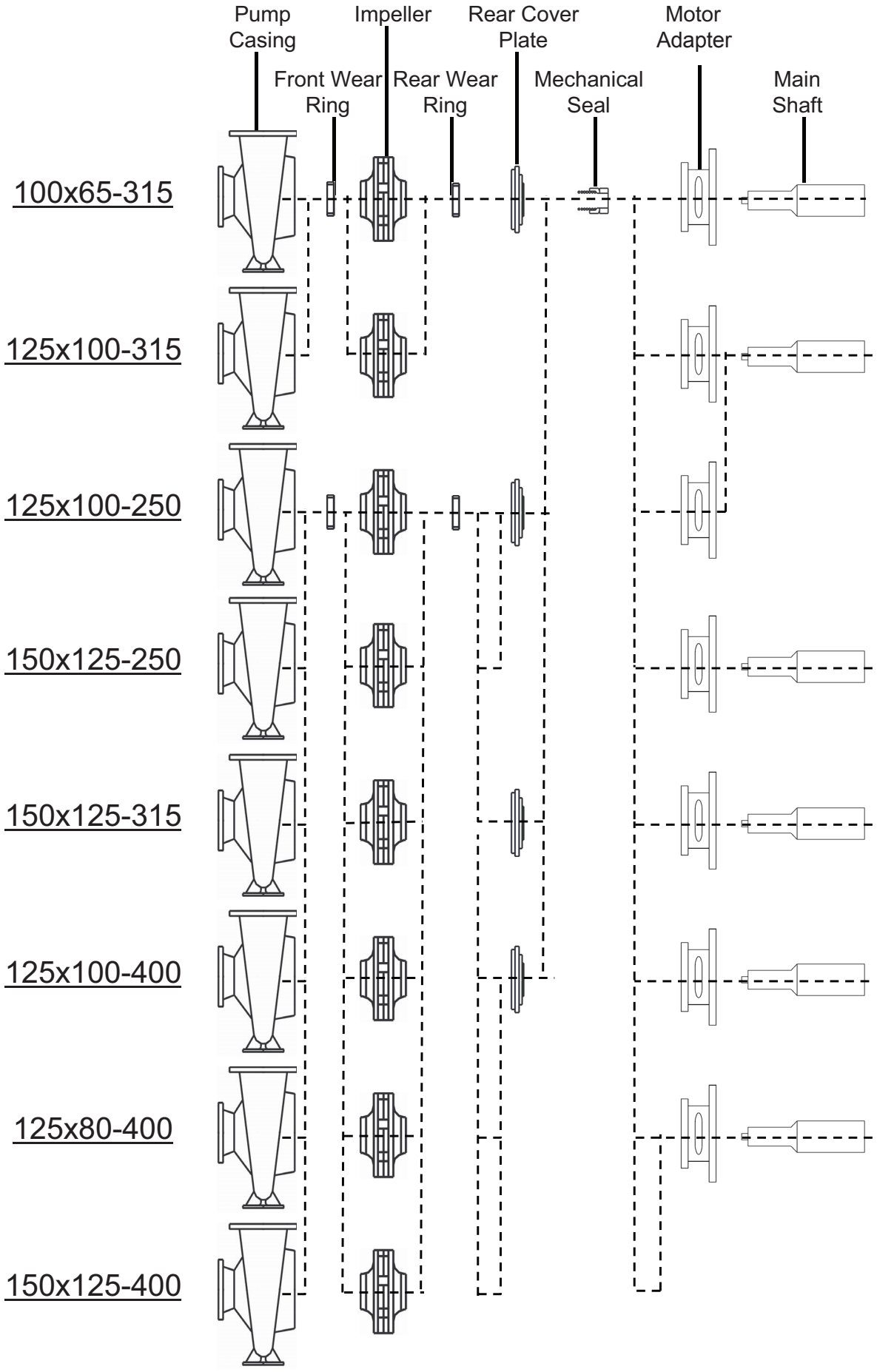
ISO End Suction Centrifugal Pump - GIS Pump Component Interchangeability Module #1



ISO End Suction Centrifugal Pump - GIS Pump Component Interchangeability Module #2



ISO End Suction Centrifugal Pump - GIS Pump Component Interchangeability Module #3



## ISO End Suction Centrifugal Pump - GISO (Long Coupled) Pump Material Configuration

### Standard Material

| Pump Casing | Pump Cover | Motor Adapter | Impeller | Shaft | Wear Ring | Impeller Key | Impeller Nut |
|---|---|---|---|---|---|---|---|
| EN-GJL-250 | EN-GJL-250 | - | EN 1.4301 / AISI 304 | EN 1.4021 / AISI 420 | EN 1.4301 / AISI 304 | EN 1.4021 / AISI 420 | EN 1.4301 / AISI 304 |

### Optional Material

| Pump Casing | Pump Cover | Motor Adapter | Impeller | Shaft | Wear Ring | Impeller Key | Impeller Nut |
|---|---|---|---|---|---|---|---|
| EN-GJL-250 | EN-GJL-250 | - | CuSn10 | EN 1.4021 / AISI 420 | CuSn10 | EN 1.4021 / AISI 420 | EN 1.4301 / AISI 304 |
| EN-GJL-250 | EN-GJL-250 | - | EN-GJL-250 | EN 1.4021 / AISI 420 | EN 1.4301 / AISI 304 | EN 1.4021 / AISI 420 | EN 1.4301 / AISI 304 |
| EN-GJL-250 | EN-GJL-250 | - | CuSn10 | EN 1.4021 / AISI 420 | CuSn10 | EN 1.4021 / AISI 420 | EN 1.4301 / AISI 304 |
| EN 1.4301 / AISI 304 | EN 1.4301 / AISI 304 | - | EN 1.4301 / AISI 304 | EN 1.4301 / AISI 304 | EN 1.4301 / AISI 304 | EN 1.4301 / AISI 304 | EN 1.4301 / AISI 304 |
| EN 1.4401 / AISI 316 | EN 1.4401 / AISI 316 | - | EN 1.4401 / AISI 316 | EN 1.4401 / AISI 316 | EN 1.4401 / AISI 316 | EN 1.4401 / AISI 316 | EN 1.4401 / AISI 316 |

## ISO End Suction Centrifugal Pump - GIS (Close Coupled) Pump Material Configuration

### Standard Material

| Pump Casing | Pump Cover | Motor Adapter | Impeller | Shaft | Wear Ring | Impeller Key | Impeller Nut |
|---|---|---|---|---|---|---|---|
| EN-GJL-250 | EN-GJL-250 | EN-GJL-250 | EN 1.4301 / AISI 304 | EN 1.4021 / AISI 420 | EN 1.4301 / AISI 304 | EN 1.4021 / AISI 420 | EN 1.4301 / AISI 304 |

### Optional Material

| Pump Casing | Pump Cover | Motor Adapter | Impeller | Shaft | Wear Ring | Impeller Key | Impeller Nut |
|---|---|---|---|---|---|---|---|
| EN-GJL-250 | EN-GJL-250 | EN-GJL-250 | EN-GJL-250 | EN 1.4021 / AISI 420 | EN 1.4301 / AISI 304 | EN 1.4021 / AISI 420 | EN 1.4301 / AISI 304 |
| EN-GJS-450-10 | EN-GJS-450-10 | EN-GJL-250 | EN-GJL-250 | EN 1.4021 / AISI 420 | EN 1.4301 / AISI 304 | EN 1.4021 / AISI 420 | EN 1.4301 / AISI 304 |
| EN-GJL-250 | EN-GJL-250 | EN-GJL-250 | CuSn10 | EN 1.4021 / AISI 420 | CuSn10 | EN 1.4021 / AISI 420 | EN 1.4301 / AISI 304 |
| EN 1.4301 / AISI 304 | EN 1.4301 / AISI 304 | EN-GJL-250 | EN 1.4301 / AISI 304 | EN 1.4301 / AISI 304 | EN 1.4301 / AISI 304 | EN 1.4301 / AISI 304 | EN 1.4301 / AISI 304 |
| EN 1.4401 / AISI 316 | EN 1.4401 / AISI 316 | EN-GJL-250 | EN 1.4401 / AISI 316 | EN 1.4401 / AISI 316 | EN 1.4401 / AISI 316 | EN 1.4401 / AISI 316 | EN 1.4401 / AISI 316 |
| EN 1.4462 / UNS S32205 | EN 1.4462 / UNS S32205 | EN-GJL-250 | EN 1.4462 / UNS S32205 | EN 1.4462 / UNS S32205 | EN 1.4462 / UNS S32205 | EN 1.4462 / UNS S32205 | EN 1.4462 / UNS S32205 |

# ISO End Suction Centrifugal Pump - Technical Data (Standard Construction)

| A. Pump | Unit | 50-32-160 | 50-32-200 | 65-50-160 | 65-40-200 |
|---|---|---|---|---|---|
| 1. Water outlet | mm | 32 | 32 | 50 | 40 |
| 2. Water inlet | mm | 50 | 50 | 65 | 65 |
| 3. Flange hole | | AS2129-1982 Table “E” PN16 standard | | | |
| 4. Impeller structure | | Single-suction double-seal-ring type | | | |
| 5. Mean thickness of pump casing | mm | 8 | 8 | 8 | 8 |
| 6. Pole number of pump | | 1 | 1 | 1 | 1 |
| 7. Pump casing structure | | Radial-split back-pulling type | | | |
| 8. Weight of pump head | Kg | 38 | 46 | 40 | 48 |
| 9. Total delivery quantity | m3 | 0.0326 | 0.038 | 0.0326 | 0.0437 |
| 10. Bearing type | | 1 | 1 | 1 | 1 |

| B. Impeller and motor | Unit | 50-32-160 | 50-32-200 | 65-50-160 | 65-40-200 |
|---|---|---|---|---|---|
| 1. Max. impeller diameter | mm | 182 | 228 | 182 | 228 |
| 2. Weight of impeller (Bronze) | Kg | 5.5 | 6.5 | 5.4 | 8.4 |
| Weight of impeller (SS304) | Kg | 5.1 | 6.0 | 5.0 | 7.8 |
| 3. Weight of bearing | Kg | 0.464 | 0.464 | 0.464 | 0.464 |
| 4. Max. redundancy of friction ring | mm | 0.3054 | 0.3054 | 0.3054 | 0.3054 |
| Min. redundancy of friction ring | mm | 0.3 | 0.3 | 0.3 | 0.3 |
| 5. Inner diameter of friction ring | mm | 92 | 92 | 92 | 92 |
| 6. Square ring | mm | 57 | 60 | 70 | 69 |
| 7. Area of square ring | cm2 | 25.52 | 28.27 | 38.48 | 37.39 |
| 8. Max. rotation inertia (Bronze) | Kg.m2 | 0.0149 | 0.0292 | 0.0166 | 0.0325 |
| Max. rotation inertia (SS304) | Kg.m2 | 0.0131 | 0.0258 | 0.0146 | 0.0287 |

| Shaft and bearing | Unit | 50-32-160 | 50-32-200 | 65-50-160 | 65-40-200 |
|---|---|---|---|---|---|
| 1. Shaft diameter (at impeller) | mm | 25 | 25 | 25 | 25 |
| 2. Shaft diameter (at coupling) | mm | 24 | 24 | 24 | 24 |
| 3. Bearing center distance | mm | 154 | 154 | 154 | 154 |
| 4. The 1st critical rotation speed | RPM | 8.76 x $10^2$ | 8.28 x $10^2$ | 8.53 x $10^2$ | 8.04 x $10^2$ |
| 5. Bearing type (drive end) | | 6306ZZ (30x72x19) | | | |
| 6. Bearing type (pump head end) | | 6307ZZ (35x80x21) | | | |

| Mechanical seal | Unit | 50-32-160 | 50-32-200 | 65-50-160 | 65-40-200 |
|---|---|---|---|---|---|
| 1. Material of mechanical seal | | Graphite / ceramic / fluorine rubber (dynamic / static ring / rubber) | | | |
| 2. Specification of mechanical seal | mm | 32 | | | |

| Operation limits | Unit | 50-32-160 | 50-32-200 | 65-50-160 | 65-40-200 |
|---|---|---|---|---|---|
| 1. Max. operating pressure | Bar | 16 | 16 | 16 | 16 |
| 2. Max. water flow pressure | Bar | 24 | 24 | 24 | 24 |
| 3. Max. intake water pressure | Bar | 7.5 | 6 | 7.5 | 6 |
| 4. Service life of bearing (calculated) | Hours | 44385 | 43125 | 44000 | 42560 |
| 5. Max. temperature of mechanical seal | Deg C | 100 | 100 | 100 | 100 |
| 6. Max. speed (drive end) | RPM | 3600 | 3600 | 3600 | 3600 |
| 7. Max. speed (transmission end) | RPM | 2900 | 2900 | 2900 | 2900 |

# ISO End Suction Centrifugal Pump - Technical Data (Standard Construction)

| A. Pump | Unit | 65-40-250 | 65-40-315 | 80-65-160 | 80-65-200 |
|---|---|---|---|---|---|
| 1. Water outlet | mm | 40 | 40 | 65 | 50 |
| 2. Water inlet | mm | 65 | 65 | 80 | 80 |
| 3. Flange hole | | AS2129-1982 Table “E” PN16 standard | | | |
| 4. Impeller structure | | Single-suction double-seal-ring type | | | |
| 5. Mean thickness of pump casing | mm | 9 | 10 | 9 | 9 |
| 6. Pole number of pump | | 1 | 1 | 1 | 1 |
| 7. Pump casing structure | | Radial-split back-pulling type | | | |
| 8. Weight of pump head | Kg | 70 | 80 | 46 | 52 |
| 9. Total delivery quantity | m3 | 0.0778 | 0.0971 | 0.0437 | 0.0463 |
| 10. Bearing type | | 2 | 2 | 1 | 1 |

| B. Impeller and motor | Unit | 65-40-250 | 65-40-315 | 80-65-160 | 80-65-200 |
|---|---|---|---|---|---|
| 1. Max. impeller diameter | mm | 278 | 342 | 162 | 228 |
| 2. Weight of impeller (Bronze) | Kg | 9.8 | 18 | 5.4 | 8.4 |
| Weight of impeller (SS304) | Kg | 9.0 | 16.6 | 5.0 | 7.8 |
| 3. Weight of bearing | Kg | 0.829 | 0.829 | 0.464 | 0.464 |
| 4. Max. redundancy of friction ring | mm | 0.3054 | 0.3054 | 0.3054 | 0.3054 |
| Min. redundancy of friction ring | mm | 0.3 | 0.3 | 0.3 | 0.3 |
| 5. Inner diameter of friction ring | mm | 105 | 105 | 105 | 105 |
| 6. Square ring | mm | 77 | 74 | 88 | 87 |
| 7. Area of square ring | cm2 | 46.57 | 43 | 60.82 | 59.45 |
| 8. Max. rotation inertia (Bronze) | Kg.m2 | 0.0725 | 0.1901 | 0.0149 | 0.0325 |
| Max. rotation inertia (SS304) | Kg.m2 | 0.0639 | 0.1677 | 0.0131 | 0.0287 |

| Shaft and bearing | Unit | 50-32-160 | 50-32-200 | 65-50-160 | 65-40-200 |
|---|---|---|---|---|---|
| 1. Shaft diameter (at impeller) | mm | 35 | 35 | 35 | 35 |
| 2. Shaft diameter (at coupling) | mm | 32 | 32 | 32 | 32 |
| 3. Bearing center distance | mm | 224 | 224 | 154 | 154 |
| 4. The 1st critical rotation speed | RPM | $5.07 \times 10^4$ | $4.35 \times 10^4$ | $8.75 \times 10^4$ | $8.04 \times 10^4$ |
| 5. Bearing type (drive end) | | 6308ZZ (40x90x23) | | 6306ZZ (30x72x19) | |
| 6. Bearing type (pump head end) | | 6309VVC3NS7 (40x100x25) | | 6307ZZ (35x80x21) | |

| Mechanical seal | Unit | 65-40-250 | 65-40-315 | 80-65-160 | 80-65-200 |
|---|---|---|---|---|---|
| 1. Material of mechanical seal | | Graphite / ceramic / fluorine rubber (dynamic / static ring / rubber) | | | |
| 2. Specification of mechanical seal | mm | 43 | | 32 | |

| Operation limits | Unit | 65-40-250 | 65-40-315 | 80-65-160 | 80-65-200 |
|---|---|---|---|---|---|
| 1. Max. operating pressure | Bar | 16 | 16 | 16 | 16 |
| 2. Max. water flow pressure | Bar | 24 | 24 | 24 | 24 |
| 3. Max. intake water pressure | Bar | 3.5 | 2 | 7.5 | 6 |
| 4. Service life of bearing (calculated) | Hours | 39285 | 35670 | 41550 | 39684 |
| 5. Max. temperature of mechanical seal | Deg C | 100 | 100 | 100 | 100 |
| 6. Max. speed (drive end) | RPM | 3600 | 3000 | 3600 | 3600 |
| 7. Max. speed (transmission end) | RPM | 2480 | 1600 | 2900 | 2900 |

# ISO End Suction Centrifugal Pump - Technical Data (Standard Construction)

| A. Pump | Unit | 80-50-250 | 80-50-315 | 100-80-160 | 100-65-200 |
|---|---|---|---|---|---|
| 1. Water outlet | mm | 50 | 50 | 60 | 65 |
| 2. Water inlet | mm | 80 | 80 | 100 | 100 |
| 3. Flange hole | | AS2129-1982 Table “E” PN16 standard | | | |
| 4. Impeller structure | | Single-suction double-seal-ring type | | | |
| 5. Mean thickness of pump casing | mm | 9 | 12 | 9 | 9 |
| 6. Pole number of pump | | 1 | 1 | 1 | 1 |
| 7. Pump casing structure | | Radial-split back-pulling type | | | |
| 8. Weight of pump head | Kg | 72 | 67 | 68 | 70 |
| 9. Total delivery quantity | m3 | 0.061 | 0.1089 | 0.0605 | 0.0778 |
| 10. Bearing type | | 2 | 2 | 2 | 2 |

| B. Impeller and motor | Unit | 80-50-250 | 80-50-315 | 100-80-160 | 100-65-200 |
|---|---|---|---|---|---|
| 1. Max. impeller diameter | mm | 278 | 342 | 182 | 228 |
| 2. Weight of impeller (Bronze) | Kg | 12.5 | 14 | 7.2 | 10.5 |
| Weight of impeller (SS304) | Kg | 11.5 | 12.9 | 6.6 | 9.7 |
| 3. Weight of bearing | Kg | 0.829 | 0.829 | 0.829 | 0.829 |
| 4. Max. redundancy of friction ring | mm | 0.404 | 0.404 | 0.413 | 0.413 |
| Min. redundancy of friction ring | mm | 0.35 | 0.35 | 0.35 | 0.35 |
| 5. Inner diameter of friction ring | mm | 115 | 115 | 132 | 132 |
| 6. Square ring | mm | 66 | 90 | 112 | 112 |
| 7. Area of square ring | cm2 | 58.09 | 63.62 | 98.52 | 98.52 |
| 8. Max. rotation inertia (Bronze) | Kg.m2 | 0.0734 | 0.1842 | 0.0232 | 0.0448 |
| Max. rotation inertia (SS304) | Kg.m2 | 0.0647 | 0.1625 | 0.0205 | 0.0395 |

| Shaft and bearing | Unit | 80-50-250 | 80-50-315 | 100-80-160 | 100-65-200 |
|---|---|---|---|---|---|
| 1. Shaft diameter (at impeller) | mm | 35 | 35 | 35 | 35 |
| 2. Shaft diameter (at coupling) | mm | 32 | 32 | 32 | 32 |
| 3. Bearing center distance | mm | 224 | 224 | 224 | 224 |
| 4. The 1st critical rotation speed | RPM | $5.05 \times 10^4$ | $4.39 \times 10^4$ | $5.42 \times 10^4$ | $5.17 \times 10^4$ |
| 5. Bearing type (drive end) | | 6308ZZ (40x90x23) | | | |
| 6. Bearing type (pump head end) | | 6309ZZ (45x100x25) | | | |

| Mechanical seal | Unit | 80-50-250 | 80-50-315 | 100-80-160 | 100-65-200 |
|---|---|---|---|---|---|
| 1. Material of mechanical seal | | Graphite / ceramic / fluorine rubber (dynamic / static ring / rubber) | | | |
| 2. Specification of mechanical seal | mm | 43 | | | |

| Operation limits | Unit | 80-50-250 | 80-50-315 | 100-80-160 | 100-65-200 |
|---|---|---|---|---|---|
| 1. Max. operating pressure | Bar | 16 | 16 | 16 | 16 |
| 2. Max. water flow pressure | Bar | 24 | 24 | 24 | 24 |
| 3. Max. intake water pressure | Bar | 3.5 | 2 | 7.5 | 6 |
| 4. Service life of bearing (calculated) | Hours | 36578 | 30867 | 43056 | 38057 |
| 5. Max. temperature of mechanical seal | Deg C | 100 | 100 | 100 | 100 |
| 6. Max. speed (drive end) | RPM | 3600 | 3000 | 3600 | 3600 |
| 7. Max. speed (transmission end) | RPM | 2050 | 2800 | 2850 | 2250 |

# ISO End Suction Centrifugal Pump - Technical Data (Standard Construction)

| A. Pump | Unit | 100×65-250 | 100×65-315 | 125×80-400 | 125×100-200 |
|---|---|---|---|---|---|
| 1. Water outlet | mm | 65 | 65 | 80 | 100 |
| 2. Water inlet | mm | 100 | 100 | 125 | 125 |
| 3. Flange hole | | AS2129-1982 Table “E” PN16 standard | | | |
| 4. Impeller structure | | Single-suction double-seal-ring type | | | |
| 5. Mean thickness of pump casing | mm | 10 | 12 | 15 | 12 |
| 6. Pole number of pump | | 1 | 1 | 1 | 1 |
| 7. Pump casing structure | | Radial-split back-pulling type | | | |
| 8. Weight of pump head | Kg | 80 | 118 | 165 | 85 |
| 9. Total delivery quantity | m3 | 0.1013 | 0.1324 | 0.181 | 0.106 |
| 10. Bearing type | | 2 | 3 | 3 | 2 |

| B. Impeller and motor | Unit | 100×65-250 | 100×65-315 | 125×80-400 | 125×100-200 |
|---|---|---|---|---|---|
| 1. Max. impeller diameter | mm | 278 | 342 | 438 | 228 |
| 2. Weight of impeller (Bronze) | Kg | 10.2 | 16.6 | 28 | 9.2 |
| Weight of impeller (SS304) | Kg | 9.4 | 15.3 | 25.8 | 8.5 |
| 3. Weight of bearing | Kg | 0.829 | 1.37 | 1.37 | 0.829 |
| 4. Max. redundancy of friction ring | mm | 0.413 | 0.463 | 0.522 | 0.463 |
| Min. redundancy of friction ring | mm | 0.35 | 0.4 | 0.45 | 0.4 |
| 5. Inner diameter of friction ring | mm | 132 | 160 | 186 | 160 |
| 6. Square ring | mm | 108 | 125 | 127 | 133 |
| 7. Area of square ring | cm2 | 91.61 | 122.72 | 126.68 | 138.93 |
| 8. Max. rotation inertia (Bronze) | Kg.m2 | 0.0734 | 0.2047 | 0.6235 | 0.0533 |
| Max. rotation inertia (SS304) | Kg.m2 | 0.0647 | 0.1806 | 0.5499 | 0.0470 |

| Shaft and bearing | Unit | 100×65-250 | 100×65-315 | 125×80-400 | 125×100-200 |
|---|---|---|---|---|---|
| 1. Shaft diameter (at impeller) | mm | 35 | 45 | 45 | 35 |
| 2. Shaft diameter (at coupling) | mm | 32 | 42 | 42 | 32 |
| 3. Bearing center distance | mm | 224 | 192 | 192 | 224 |
| 4. The 1st critical rotation speed | RPM | $5.05 \times 10^4$ | $7.51 \times 10^4$ | $8.24 \times 10^4$ | $4.96 \times 10^4$ |
| 5. Bearing type (drive end) | | 6308ZZ (40x90x23) | | 6310ZZ (50x110x27) | 6308ZZ (40x90x23) |
| 6. Bearing type (pump head end) | | 6309ZZ (45x100x25) | | 6311ZZ (55x120x28) | 6309ZZ (45x100x25) |

| Mechanical seal | Unit | 100-65-250 | 100-65-315 | 125-80-400 | 125-100-200 |
|---|---|---|---|---|---|
| 1. Material of mechanical seal | | Graphite / ceramic / fluorine rubber (dynamic / static ring / rubber) | | | |
| 2. Specification of mechanical seal | mm | 43 | | 53 | 43 |

| Operation limits | Unit | 100-65-250 | 100-65-315 | 125-80-400 | 125-100-200 |
|---|---|---|---|---|---|
| 1. Max. operating pressure | Bar | 16 | 16 | 16 | 16 |
| 2. Max. water flow pressure | Bar | 24 | 24 | 24 | 24 |
| 3. Max. intake water pressure | Bar | 3.5 | 2 | 7 | 6 |
| 4. Service life of bearing (calculated) | Hours | 28557 | 18000 | 38150 | 28345 |
| 5. Max. temperature of mechanical seal | Deg C | 100 | 100 | 100 | 100 |
| 6. Max. speed (drive end) | RPM | 3600 | 3000 | 2350 | 3600 |
| 7. Max. speed (transmission end) | RPM | 2190 | 1450 | 1450 | 2060 |

# ISO End Suction Centrifugal Pump - Technical Data (Standard Construction)

| A. Pump | Unit | 125-100-250 | 125-100-315 | 125-100-400 | 125-100-500 |
|---|---|---|---|---|---|
| 1. Water outlet | mm | 100 | 100 | 100 | 100 |
| 2. Water inlet | mm | 125 | 125 | 125 | 125 |
| 3. Flange hole | | AS2129-1982 Table “E” PN16 standard | | | |
| 4. Impeller structure | | Single-suction double-seal-ring type | | | |
| 5. Mean thickness of pump casing | mm | 11 | 15 | 15 | 19 |
| 6. Pole number of pump | | 1 | 1 | 1 | 1 |
| 7. Pump casing structure | | Radial-split back-pulling type | | | |
| 8. Weight of pump head | Kg | 126 | 135 | 175 | 313 |
| 9. Total delivery quantity | m3 | 0.1354 | 0.1515 | 0.2128 | 0.3875 |
| 10. Bearing type | | 3 | 3 | 3 | 4 |

| B. Impeller and motor | Unit | 125-100-250 | 125-100-315 | 125-100-400 | 125-100-500 |
|---|---|---|---|---|---|
| 1. Max. impeller diameter | mm | 278 | 274 | 438 | 438 |
| 2. Weight of impeller (Bronze) | Kg | 15.2 | 19.8 | 28 | 39.5 |
| Weight of impeller (SS304) | Kg | 14.0 | 18.3 | 25.8 | 36.5 |
| 3. Weight of bearing | Kg | 1.37 | 1.37 | 1.37 | 2.11 |
| 4. Max. redundancy of friction ring | mm | 0.522 | 0.463 | 0.522 | 0.463 |
| Min. redundancy of friction ring | mm | 0.45 | 0.4 | 0.45 | 0.4 |
| 5. Inner diameter of friction ring | mm | 186 | 160 | 186 | 170 |
| 6. Square ring | mm | 138 | 137 | 140 | 158 |
| 7. Area of square ring | cm2 | 148.57 | 147.41 | 153.94 | 198.07 |
| 8. Max. rotation inertia (Bronze) | Kg.m2 | 0.1256 | 0.1314 | 0.5995 | 0.8633 |
| Max. rotation inertia (SS304) | Kg.m2 | 0.1108 | 0.1159 | 0.5288 | 0.7615 |

| Shaft and bearing | Unit | 125-100-250 | 125-100-315 | 125-100-400 | 125-100-500 |
|---|---|---|---|---|---|
| 1. Shaft diameter (at impeller) | mm | 45 | 45 | 45 | 53 |
| 2. Shaft diameter (at coupling) | mm | 42 | 42 | 42 | 48 |
| 3. Bearing center distance | mm | 192 | 192 | 192 | 258 |
| 4. The 1st critical rotation speed | RPM | $7.65 \times 10^4$ | $7.51 \times 10^4$ | $6.32 \times 10^4$ | $4.26 \times 10^4$ |
| 5. Bearing type (drive end) | | 6310ZZ (50x120x27) | | 6313ZZ (65x140x33) | |
| 6. Bearing type (pump head end) | | 6311ZZ (55x120x29) | | 6313ZZ (65x140x33) | |

| Mechanical seal | Unit | 125-100-250 | 125-100-315 | 125-100-400 | 125-100-500 |
|---|---|---|---|---|---|
| 1. Material of mechanical seal | | Graphite / ceramic / fluorine rubber (dynamic / static ring / rubber) | | | |
| 2. Specification of mechanical seal | mm | 53 | | 60 | |

| Operation limits | Unit | 125-100-250 | 125-100-315 | 125-100-400 | 125-100-500 |
|---|---|---|---|---|---|
| 1. Max. operating pressure | Bar | 16 | 16 | 16 | 16 |
| 2. Max. water flow pressure | Bar | 24 | 24 | 24 | 24 |
| 3. Max. intake water pressure | Bar | 3.5 | 2 | 7 | 4.5 |
| 4. Service life of bearing (calculated) | Hours | 18122 | 17500 | 35450 | 29450 |
| 5. Max. temperature of mechanical seal | Deg C | 100 | 100 | 100 | 100 |
| 6. Max. speed (drive end) | RPM | 3000 | 3000 | 2350 | 1800 |
| 7. Max. speed (transmission end) | RPM | 1620 | 1380 | 1240 | 1240 |

# ISO End Suction Centrifugal Pump - Technical Data (Standard Construction)

| A. Pump | Unit | 150-125-250 | 150-125-315 | 150-125-400 | 150-125-500 |
|---|---|---|---|---|---|
| 1. Water outlet | mm | 125 | 125 | 115 | 125 |
| 2. Water inlet | mm | 150 | 150 | 150 | 150 |
| 3. Flange hole | | AS2129-1982 Table “E” PN16 standard | | | |
| 4. Impeller structure | | Single-suction double-seal-ring type | | | |
| 5. Mean thickness of pump casing | mm | 14 | 15 | 16 | 20 |
| 6. Pole number of pump | | 1 | 1 | 1 | 1 |
| 7. Pump casing structure | | Radial-split back-pulling type | | | |
| 8. Weight of pump head | Kg | 140 | 150 | 196 | 336 |
| 9. Total delivery quantity | m3 | 0.1622 | 0.2128 | 0.2396 | 0.3675 |
| 10. Bearing type | | 3 | 3 | 3 | 4 |

| B. Impeller and motor | Unit | 150-125-250 | 150-125-315 | 150-125-400 | 150-125-500 |
|---|---|---|---|---|---|
| 1. Max. impeller diameter | mm | 278 | 342 | 438 | 438 |
| 2. Weight of impeller (Bronze) | Kg | 15.2 | 20.2 | 28.5 | 42.5 |
| Weight of impeller (SS304) | Kg | 14.0 | 18.6 | 26.3 | 39.2 |
| 3. Weight of bearing | Kg | 1.37 | 1.37 | 1.37 | 2.11 |
| 4. Max. redundancy of friction ring | mm | 0.522 | 0.522 | 0.522 | 0.522 |
| Min. redundancy of friction ring | mm | 0.45 | 0.45 | 0.45 | 0.45 |
| 5. Inner diameter of friction ring | mm | 186 | 186 | 186 | 200 |
| 6. Square ring | mm | 154 | 160 | 170 | 175 |
| 7. Area of square ring | cm2 | 186.27 | 201.06 | 226.98 | 240.53 |
| 8. Max. rotation inertia (Bronze) | Kg.m2 | 0.1159 | 0.2396 | 0.5516 | 0.9592 |
| Max. rotation inertia (SS304) | Kg.m2 | 0.1022 | 0.2113 | 0.4865 | 0.8460 |

| Shaft and bearing | Unit | 150-125-250 | 150-125-315 | 150-125-400 | 150-125-500 |
|---|---|---|---|---|---|
| 1. Shaft diameter (at impeller) | mm | 45 | 45 | 45 | 53 |
| 2. Shaft diameter (at coupling) | mm | 42 | 42 | 42 | 48 |
| 3. Bearing center distance | mm | 192 | 192 | 192 | 258 |
| 4. The 1st critical rotation speed | RPM | $7.81 \times 10^4$ | $7.19 \times 10^4$ | $8.5 \times 10^4$ | $4.11 \times 10^4$ |
| 5. Bearing type (drive end) | | 6310ZZ (50x110x27) | | 6313ZZ (65x140x33) | |
| 6. Bearing type (pump head end) | | 6311ZZ (55x120x29) | | 6313ZZ (65x140x33) | |

| Mechanical seal | Unit | 150-125-250 | 150-125-315 | 150-125-400 | 150-125-500 |
|---|---|---|---|---|---|
| 1. Material of mechanical seal | | Graphite / ceramic / fluorine rubber (dynamic / static ring / rubber) | | | |
| 2. Specification of mechanical seal | mm | 53 | | 60 | |

| Operation limits | Unit | 150-125-250 | 150-125-315 | 150-125-400 | 150-125-500 |
|---|---|---|---|---|---|
| 1. Max. operating pressure | Bar | 16 | 16 | 16 | 16 |
| 2. Max. water flow pressure | Bar | 24 | 24 | 24 | 24 |
| 3. Max. intake water pressure | Bar | 3.5 | 2 | 7 | 4.5 |
| 4. Service life of bearing (calculated) | Hours | 42000 | 39235 | 32000 | 24538 |
| 5. Max. temperature of mechanical seal | Deg C | 100 | 100 | 100 | 100 |
| 6. Max. speed (drive end) | RPM | 2350 | 2350 | 2350 | 1800 |
| 7. Max. speed (transmission end) | RPM | 1440 | 1240 | 1060 | 1060 |

# ISO End Suction Centrifugal Pump - Technical Data (Standard Construction)

| A. Pump | Unit | 200-150-315 | 200-150-400 | 200-150-500 | 250-200-315 | 250-200-400 |
|---|---|---|---|---|---|---|
| 1. Water outlet | mm | 150 | 150 | 150 | 200 | 200 |
| 2. Water inlet | mm | 200 | 200 | 200 | 250 | 250 |
| 3. Flange hole | | AS2129-1982 Table “E” PN16 standard | | | | |
| 4. Impeller structure | | Single-suction double-seal-ring type | | | | |
| 5. Mean thickness of pump casing | mm | 16 | 18 | 22 | 17 | 19 |
| 6. Pole number of pump | | 1 | 1 | 1 | 1 | 1 |
| 7. Pump casing structure | | Radial-split back-pulling type | | | | |
| 8. Weight of pump head | Kg | 222 | 300 | 382 | 277 | 340 |
| 9. Total delivery quantity | m3 | 0.3264 | 0.3493 | 0.4109 | 0.3577 | 0.3998 |
| 10. Bearing type | | 4 | 4 | 4 | 4 | 4 |

| B. Impeller and motor | Unit | 200-150-315 | 200-150-400 | 200-150-500 | 250-200-315 | 250-200-400 |
|---|---|---|---|---|---|---|
| 1. Max. impeller diameter | mm | 342 | 438 | 547 | 342 | 438 |
| 2. Weight of impeller (Bronze) | Kg | 23.2 | 42 | 51.6 | 34.6 | 37.6 |
| Weight of impeller (SS304) | Kg | 21.4 | 38.8 | 47.6 | 31.9 | 34.7 |
| 3. Weight of bearing | Kg | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 |
| 4. Max. redundancy of friction ring | mm | 0.572 | 0.572 | 0.572 | 0.581 | 0.581 |
| Min. redundancy of friction ring | mm | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 5. Inner diameter of friction ring | mm | 235 | 235 | 235 | 265 | 265 |
| 6. Square ring | mm | 210 | 206 | 212 | 232 | 232 |
| 7. Area of square ring | cm2 | 346.36 | 333.29 | 352.99 | 422.73 | 422.73 |
| 8. Max. rotation inertia (Bronze) | Kg.m2 | 0.2924 | 0.7434 | 1.533 | 0.3655 | 0.7554 |
| Max. rotation inertia (SS304) | Kg.m2 | 0.2579 | 0.6557 | 1.3521 | 0.3224 | 0.6663 |

| Shaft and bearing | Unit | 200-150-315 | 200-150-400 | 200-150-500 | 250-200-315 | 250-200-400 |
|---|---|---|---|---|---|---|
| 1. Shaft diameter (at impeller) | mm | 53 | 53 | 53 | 53 | 53 |
| 2. Shaft diameter (at coupling) | mm | 48 | 48 | 48 | 48 | 48 |
| 3. Bearing center distance | mm | 258 | 258 | 258 | 258 | 258 |
| 4. The 1st critical rotation speed | RPM | $5.01 \times 10^4$ | $4.45 \times 10^4$ | $4.08 \times 10^4$ | $4.74 \times 10^4$ | $4.43 \times 10^4$ |
| 5. Bearing type (drive end) | | 6313 ZZ (65x140x33) | | | | |
| 6. Bearing type (pump head end) | | 6313 ZZ (65x140x33) | | | | |

| Mechanical seal | Unit | 200-150-315 | 200-150-400 | 200-150-500 | 250-200-315 | 250-200-400 |
|---|---|---|---|---|---|---|
| 1. Material of mechanical seal | | Graphite / ceramic / fluorine rubber (dynamic / static ring / rubber) | | | | |
| 2. Specification of mechanical seal | mm | 60 | | | | |

| Operation limits | Unit | 200-150-315 | 200-150-400 | 200-150-500 | 250-200-315 | 250-200-400 |
|---|---|---|---|---|---|---|
| 1. Max. operating pressure | Bar | 16 | 16 | 16 | 16 | 16 |
| 2. Max. water flow pressure | Bar | 24 | 24 | 24 | 24 | 24 |
| 3. Max. intake water pressure | Bar | 2 | 7 | 4.5 | 2 | 7 |
| 4. Service life of bearing (calculated) | Hours | 28588 | 28676 | 21559 | 27689 | 23120 |
| 5. Max. temperature of mechanical seal | Deg C | 100 | 100 | 100 | 100 | 100 |
| 6. Max. speed (drive end) | RPM | 1800 | 1800 | 1800 | 1800 | 1800 |
| 7. Max. speed (transmission end) | RPM | 1150 | 920 | 920 | 920 | 920 |

# ISO End Suction Centrifugal Pump - Technical Data (Standard Construction)

| A. Pump | Unit | 400-300-460 | 400-300-550 | 400-350-480 | 400-400-410 |
|---|---|---|---|---|---|
| 1. Water outlet | mm | 400 | 400 | 400 | 400 |
| 2. Water inlet | mm | 300 | 300 | 350 | 400 |
| 3. Flange hole | | AS2129-1982 Table “E” PN16 standard | | | |
| 4. Impeller structure | | Single-suction double-seal-ring type | | | |
| 5. Mean thickness of pump casing | mm | 20 | 20 | 20 | 20 |
| 6. Pole number of pump | | 1 | 1 | 1 | 1 |
| 7. Pump casing structure | | Radial-split back-pulling type | | | |
| 8. Weight of pump head | Kg | 620 | 700 | 730 | 660 |
| 9. Total delivery quantity | m3 | 0.973 | 1.073 | 1.218 | 1 |
| 10. Bearing type | | 5 | 5 | 5 | 5 |

| B. Impeller and motor | Unit | 400-300-460 | 400-300-550 | 400-350-480 | 400×400-410 |
|---|---|---|---|---|---|
| 1. Max. impeller diameter | mm | 450 | 540 | 480 | 404 |
| 2. Weight of impeller (Bronze) | Kg | 44 | 62 | 56 | 40 |
| Weight of impeller (SS304) | Kg | 40.6 | 57.2 | 51.7 | 36.9 |
| 3. Weight of bearing | Kg | 3.05 | 3.05 | 3.05 | 3.06 |
| 4. Max. redundancy of friction ring | mm | 0.389 | 0.389 | 0.489 | 0.389 |
| Min. redundancy of friction ring | mm | 0.3 | 0.3 | 0.4 | 0.3 |
| 5. Inner diameter of friction ring | mm | 322 | 322 | 365 | 322 |
| 6. Square ring | mm | 322 | 322 | 365 | 322 |
| 7. Area of square ring | cm2 | 252.9 | 252.9 | 344 | 252.9 |
| 8. Max. rotation inertia (Bronze) | Kg.m2 | 1.5188 | 2.8431 | 2.0736 | 1.1767 |
| Max. rotation inertia (SS304) | Kg.m2 | 1.3396 | 2.5077 | 1.8290 | 1.0379 |

| Shaft and bearing | Unit | 400-300-460 | 400-300-550 | 400-350-480 | 400-400-410 |
|---|---|---|---|---|---|
| 1. Shaft diameter (at impeller) | mm | 60 | 60 | 60 | 60 |
| 2. Shaft diameter (at coupling) | mm | 70 | 70 | 70 | 70 |
| 3. Bearing center distance | mm | 297 | 297 | 297 | 297 |
| 4. The 1st critical rotation speed | RPM | $5.07 \times 10^4$ | $4.44 \times 10^4$ | $4.62 \times 10^4$ | $5.24 \times 10^4$ |
| 5. Bearing type (drive end) | | 6315ZZ (75x160x37) | | | |
| 6. Bearing type (pump head end) | | 6316ZZ (80x170x39) | | | |

| Mechanical seal | Unit | 400-300-460 | 400-300-550 | 400-350-480 | 400-400-410 |
|---|---|---|---|---|---|
| 1. Material of mechanical seal | | Graphite / ceramic / fluorine rubber (dynamic / static ring / rubber) | | | |
| 2. Specification of mechanical seal | mm | 75 | | | |

| Operation limits | Unit | 400-300-460 | 400-300-550 | 400-350-480 | 400-400-410 |
|---|---|---|---|---|---|
| 1. Max. operating pressure | Bar | 16 | 16 | 16 | 16 |
| 2. Max. water flow pressure | Bar | 24 | 24 | 24 | 24 |
| 3. Service life of bearing (calculated) | Hours | 51999 | 23704 | 25472 | 80706 |
| 4. Max. temperature of mechanical seal | Deg C | 100 | 100 | 100 | 100 |
| 5. Max. speed (drive end) | RPM | 1200 | 1200 | 1200 | 1200 |
| 6. Max. speed (transmission end) | RPM | 1180 | 1180 | 1180 | 1180 |

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