



C.R.I. PUMPS
Pumping trust... Worldwide.



ECC - CHEMICAL & PROCESS PUMPS

T H E B E G I N N I N G

of C.R.I., way back in 1961, was a resolute attempt to produce a few irrigation equipments using the limited facilities of an in-house foundry. Eventually the founder's dream was coming true as the small production unit he started kept growing rapidly. Now, after more than five eventful decades, it is an enormous, widely reputed organization, which produces more than 2300 varieties of perfectly engineered pumps and motors and sells its products in numerous countries spread across 6 continents.

C . R . I . I S O N E A M O N G

the few pioneers in the world to produce 100% stainless steel submersible pumps. Having achieved a record production capacity of over 2 million pumps per annum, today C.R.I. is rubbing its shoulders with the best brands in the world, with advanced technology and safety standards as its hallmarks.

T H E I N F R A S T R U C T U R E

of C.R.I. is pretty comprehensive with state-of-the-art machineries and high potential in-house R&D recognised by the ministry of science and technology, Govt. of India - all within its own covered area of 300,000 square metres. The production environment is accredited with ISO 9001, ISO 14001 & OHSAS 18001 certifications and the products are CE, UR/UL, IEC, TSE & ISI certified. The R&D team always stays in tune with the changing scenario and seldom fails in coming up with outstanding solutions every time.

N E E D L E S S T O S A Y ,

behind this legendary growth lies the untiring, innovative, enthusiastic and dedicated team work. and, of course, a flawlessly maintained value system too. The name C.R.I. itself encapsulates the company's ethos: " Commitment, Reliability, Innovation".





Vision, Mission and Values

To be the industry leader providing best - in - class fluid management solutions to individual and institutional customers and societies in our chosen markets.

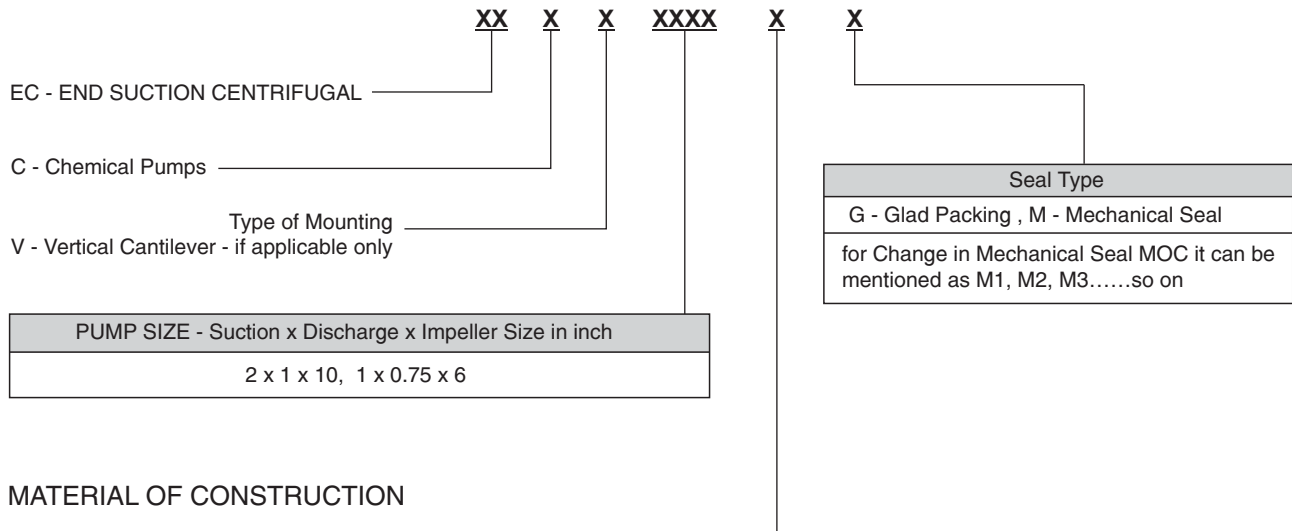
We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of commitment, reliability and innovation.

C O N T E N T S

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GENERAL INFORMATION

MODEL IDENTIFICATION CODE



MATERIAL OF CONSTRUCTION

TYPE S

| Parts Name | Material | EUROPEAN | DIN | SAE/AISI |
|------------------------------------|-----------|----------------|---------------|----------------------|
| Casing & Stuffing Box | CF 8 | X5CrNi18-9 | 1.4308 | ASTM A743 / A351 CF8 |
| Impeller | CF 8 | X5CrNi18-9 | 1.4308 | ASTM A743 / A351 CF8 |
| GLAND | CF 8 | X5CrNi18-9 | 1.4308 | ASTM A743 / A351 CF8 |
| Shaft | SS 316 | X5CrNiMo 18 10 | 1.4401 | ASTM A276 AISI 316 |
| Shaft Sleeve | SS 316 | X5CrNiMo 18 10 | 1.4401 | ASTM A276 AISI 316 |
| Bearing Housing & Connecting Frame | Cast Iron | EN-GJL-220 | (0.6020) GG20 | ASTM A48 class 30B |

TYPE N

| Parts Name | Material | EUROPEAN | DIN | SAE/AISI |
|------------------------------------|-----------|----------------|---------------|-----------------------|
| Casing & Stuffing Box | SS 316 | X6CrNiMo 18 10 | 1.4408 | ASTM A743 / A351 CF8M |
| Impeller | SS 316 | X6CrNiMo 18 10 | 1.4408 | ASTM A743 / A351 CF8M |
| GLAND | SS 316 | X6CrNiMo 18 10 | 1.4408 | ASTM A743 / A351 CF8M |
| Shaft | SS 316 | X5CrNiMo 18 10 | 1.4401 | ASTM A276 AISI 316 |
| Shaft Sleeve | SS 316 | X5CrNiMo 18 10 | 1.4401 | ASTM A276 AISI 316 |
| Bearing Housing & Connecting Frame | Cast Iron | EN-GJL-220 | (0.6020) GG20 | ASTM A48 class 30B |

GENERAL INSTRUCTIONS

- Performance curves are as per specific gravity and viscosity of water.
- Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B
- For Safety consider a margin of 0.5m higher of NPSH.
- All dimensions are in mm
- In view of continuous developments the information / performance / descriptions / specifications / Illustrations are subject to change without notice.

CHEMICAL & PROCESS PUMPS – ECC SERIES

ANSI B73.1 / ASME B73.1

DESCRIPTION

ECC series of chemical and process pumps are horizontal, end suction single stage, centerline discharge type that meet the standards of ANSI B73.1 in terms of dimensional, configuration and design features that facilitate installation to enhance reliability and safety of the pump unit. A semi open scallop cut impeller is used for pumping low viscous fluids without suspended solids and is easy to clean and maintain. This type comes in a wide range of materials depending on the application. Cooling jacket option available for applications that require a specific temperature to enable smooth pumping operation.



DESIGN FEATURES

- Open impeller design allows handling of solids in suspension.
- Heavy duty rigid bearing units ensure longer bearing life
- Modular design reduces the spare parts inventory cost
- Foot mounted, back pull-out design for ease of maintenance
- Oil lubrication as standard
- Different material options
- Gland and mechanical seal options

APPLICATIONS

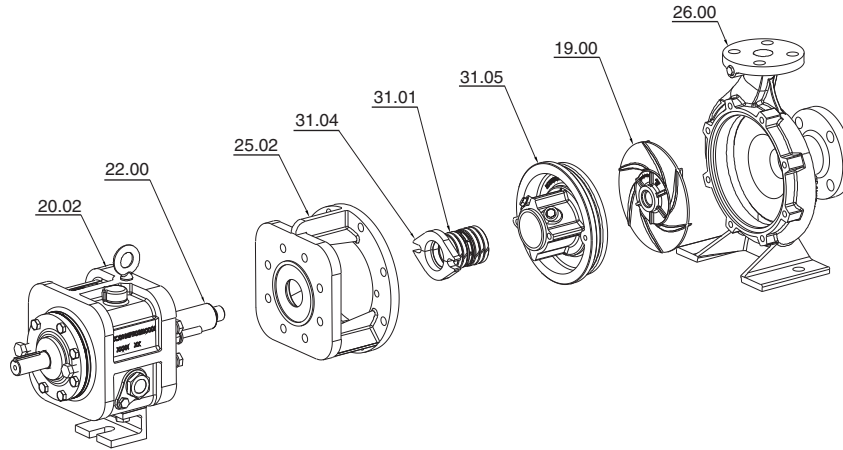
- Petrochemical
- Oil and gas
- Chemical
- Edible oil industry
- Semi-conductor
- Beverage & Food processing
- Pharmaceuticals
- Water treatment & Textile industry
- Sugar and Automotive

TECHNICAL SPECIFICATIONS

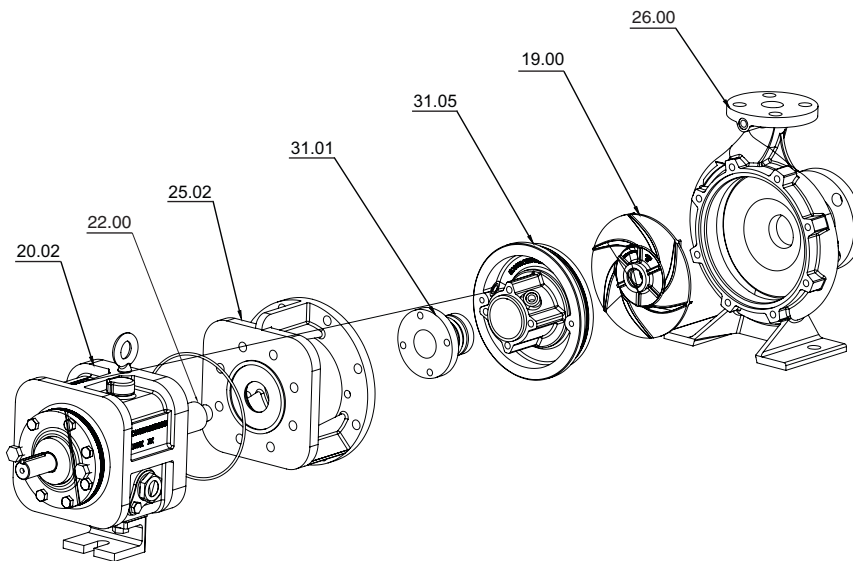
| | | |
|-------------------------|---|----------------------------|
| Power | : | upto 154 kW |
| Flow | : | upto 870 m ³ /h |
| Head | : | upto 110 m |
| Max. Liquid Temperature | : | -10°C to 180°C |
| Max. Operating Pressure | : | 16 bar |
| Speed | : | 1450/2900 rpm |

EXPLODED VIEW

GLAND PACKING CONSTRUCTION



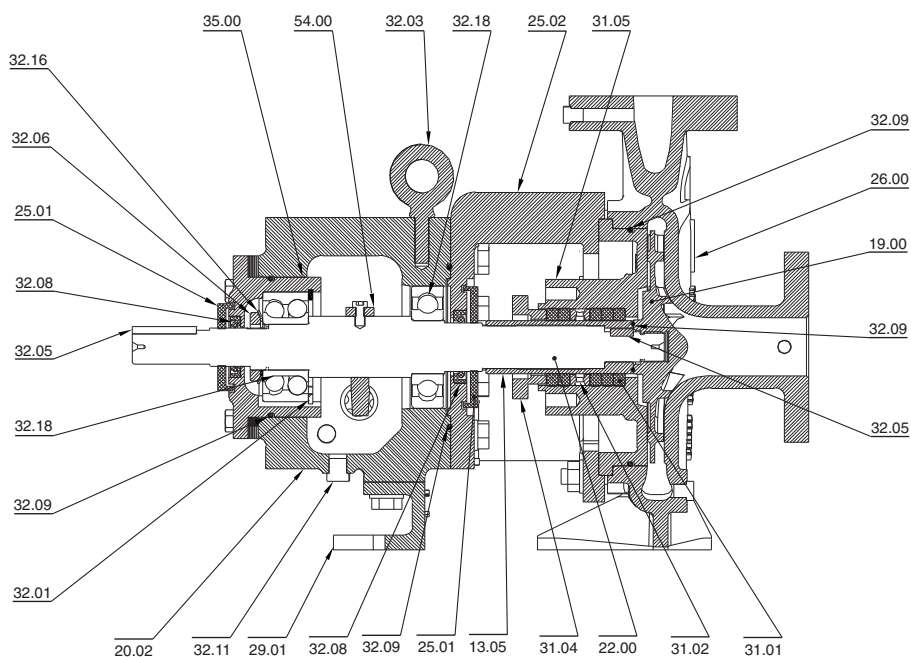
MECHANICAL SEAL CONSTRUCTION



| PART NO | PART NAME |
|---------|---------------------------|
| 26.00 | CASING |
| 19.00 | IMPELLER |
| 31.05 | STUFFING BOX |
| 31.01 | PACKING / MECHANICAL SEAL |
| 25.02 | CONNECTING FRAME |
| 20.02 | BEARING FRAME |
| 22.00 | PUMP SHAFT |
| 31.04 | GLAND |

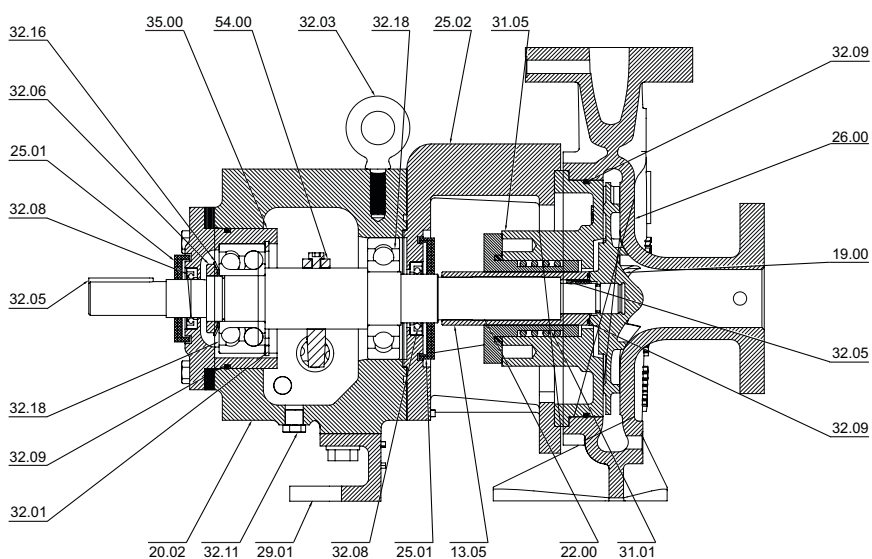
CROSS SECTIONAL DRAWING

GLAND PACKING CONSTRUCTION





















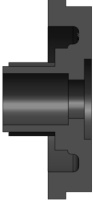
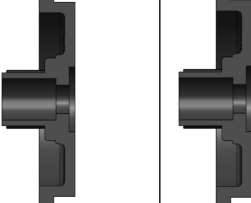
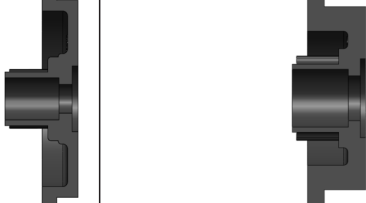
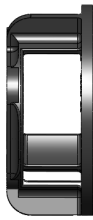
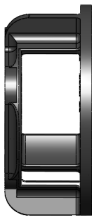





| Part No | Part Name |
|---------|---------------------------|
| 32.11 | Plug |
| 20.02 | Bearing Frame |
| 32.01 | Circlip |
| 32.18 | Bearing |
| 32.06 | Lock Nut |
| 32.16 | Washer |
| 35.00 | Bearing Housing |
| 54.00 | Thrower |
| 32.03 | Eye Bolt |
| 25.02 | Connecting Frame |
| 31.05 | Stuffing Box |
| 32.09 | O-Ring |
| 26.00 | Casing |
| 19.00 | Impeller |
| 32.05 | Key |
| 31.01 | Packing / Mechanical Seal |
| 31.02 | Lantern Ring |
| 22.00 | Pump Shaft |
| 31.04 | Gland |
| 13.05 | Sleeve |
| 25.01 | Deflector |
| 32.08 | Oil Seal |
| 29.01 | Frame Support |

MECHANICAL SEAL CONSTRUCTION
























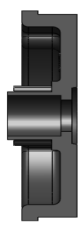
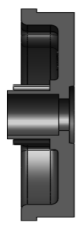

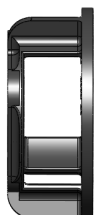







INTERCHANGEABILITY CHART

| PART NAME | 1.5 x 1 x 6 (40 x 25 x 150) | 3 x 1.5 x 6 (80 x 40 x 150) | 3 x 2 x 6 (80 x 50 x 150) | 1.5 x 1 x 8 (40 x 25 x 200) | 3 x 1.5 x 8 (80 x 40 x 200) | 2 x 1 x 10 (50 x 25 x 250) | 3 x 1.5 x 8.5 (80 x 40 x 215) | 3 x 2 x 8.5 (80 x 50 x 215) | 4 x 3 x 8.5 (100 x 80 x 215) | 6 x 4 x 8.5 (150 x 100 x 215) |
|------------------------|---|---|--|---|---|--|---|---|---|---|
| CASING |  |  |  |  |  |  |  |  |  |  |
| IMPELLER |  |  |  |  |  |  |  |  |  |  |
| STUFFING BOX |  | |  | | |  | | | | |
| CONNECTING FRAME |  | | |  | |  | | | | |
| BEARING FRAME ASSEMBLY |  | | | | |  | | | | |

In view of continuous developments the information / performance / descriptions / specifications / Illustrations are subject to change without notice.

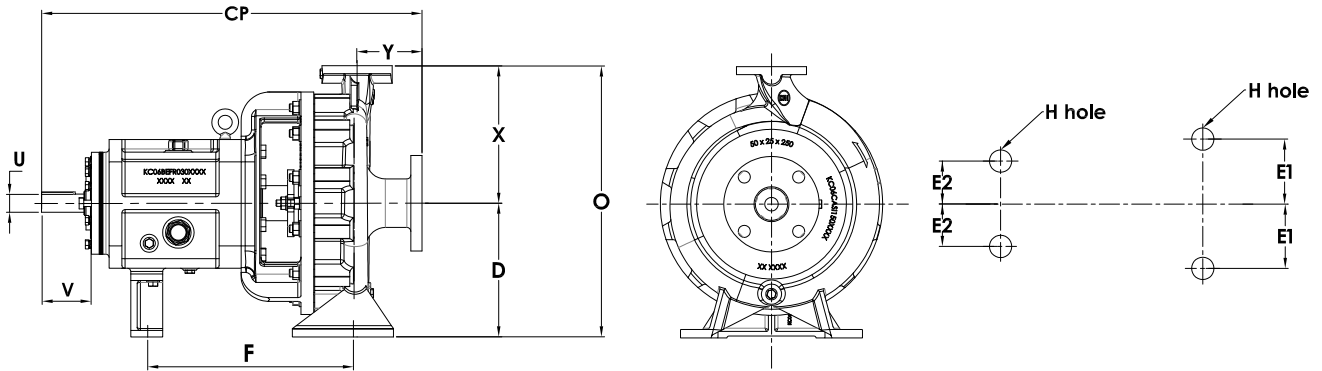
INTERCHANGEABILITY CHART

| PART NAME | 3 x 1.5 x 11 (80 x 40 x 280) | 3 x 2 x 11 (80 x 50 x 280) | 4 x 3 x 11 (100 x 80 x 280) | 3 x 1.5 x 13 (80 x 40 x 330) | 3 x 2 x 13 (80 x 50 x 330) | 4 x 3 x 13 (100 x 80 x 330) | 6 x 4 x 13 (150 x 100 x 330) | 8 x 6 x 13 (200 x 150 x 330) | 8 x 6 x 15 (200 x 150 x 380) | 10 x 8 x 13 (250 x 200 x 330) | 10 x 8 x 15 (250 x 200 x 380) |
|------------------------|---|---|--|---|---|---|---|---|---|---|---|
| CASING |  |  |  |  |  |  |  |  |  |  |  |
| IMPELLER |  |  |  |  |  |  |  |  |  |  |  |
| STUFFING BOX |  | |  | | | |  | |  | | |
| CONNECTING FRAME |  | | |  | | |  | |  | | |
| BEARING FRAME ASSEMBLY |  | | | | | |  | | | | |

DETAILS OF STANDARD COMPONENTS

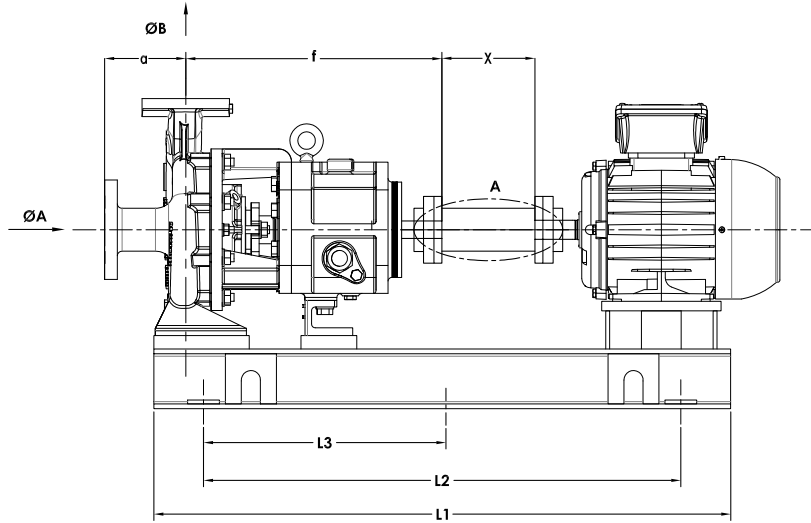
| SHAFT AND BEARING DATA | FRAME SIZE | | |
|--|------------|-----------------------------------|------------|
| | I | II | III |
| SHAFT DIAMETER (mm) | | | |
| At Coupling | Ø 22.23 | Ø 28.58 | Ø 60.33 |
| At 'NDE' Bearings | Ø 35 | Ø 55 | Ø 85 |
| At 'DE' Bearings | Ø 30 | Ø 45 | Ø 75 |
| Between bearings | Ø 40.13 | Ø 60 | Ø 92.1 |
| Under Sleeve | Ø 27.97 | Ø 45 | Ø 60 |
| Stuffing Box Details | | | |
| Shaft sleeve OD | Ø 35 | Ø 55 | Ø 70 |
| Stuffing Box Bore Diameter | Ø 50.5 | Ø 74.5 | Ø 94.5 |
| Stuffing Box Depth | 57 | 67 | 91 |
| SHAFT LENGTHS (mm) | | | |
| Impeller end of shaft to 'NDE' Bearing | 165.95 | 218.25 | 297 |
| Between bearings | 67.4 | 128.75 | 172 |
| 'DE' Bearing. To Coupling end | 116 | 150 | 247.5 |
| BEARINGS | | | |
| 'NDE' | 6307 | 6311 | 6317 |
| 'DE' | 3306 | 7309 (2 Bearings back to back) | 3315 |
| KEYWAY AT COUPLING (mm) | | | |
| Width | 4.76 | 6.35 | 15.88 |
| Depth | 2.38 | 3.18 | 9.15 |
| Length | 40 | 50 | 90 |
| SHAFT THREAD AT IMPELLER | M20X1.5 RH | M24X2 RH | M45X1.5 RH |

MOUNTING DIMENSION - PUMP



| Pump Size in inch (mm) | Flange Dim. in mm | | Dimension in mm | | | | | | | | | | |
|----------------------------------|----------------------|----------|-----------------|-----|------|------|-----|----|-----|-----|-----|-----|----------|
| | Suction | Delivery | CP | D | ZE 1 | ZE 2 | F | H | X | Y | O | V | U (Dia.) |
| 1.5 x 1 x 6 (40 x 25 x 150) | 40 | 25 | 445 | 133 | 152 | 0 | 184 | 16 | 165 | 102 | 298 | 51 | 22.23 |
| 3 x 1.5 x 6 (80 x 40 x 150) | 80 | 40 | 445 | 133 | 152 | 0 | 184 | 16 | 165 | 102 | 298 | 51 | 22.23 |
| 3 x 2 x 6 (80 x 50 x 150) | 80 | 50 | 445 | 133 | 152 | 0 | 184 | 16 | 165 | 102 | 298 | 51 | 22.23 |
| 1.5 x 1 x 8 (40 x 25 x 200) | 40 | 25 | 445 | 133 | 152 | 0 | 184 | 16 | 165 | 102 | 298 | 51 | 22.23 |
| 3 x 1.5 x 8 (80 x 40 x 200) | 80 | 40 | 445 | 133 | 248 | 0 | 184 | 16 | 165 | 102 | 298 | 51 | 22.23 |
| 2 x 1 x 10 (50 x 25 x 250) | 50 | 25 | 597 | 210 | 248 | 184 | 318 | 16 | 216 | 102 | 425 | 67 | 28.58 |
| 3 x 1.5 x 8.5 (80 x 40 x 215) | 80 | 40 | 597 | 210 | 248 | 184 | 318 | 16 | 216 | 102 | 425 | 67 | 28.58 |
| 3 x 2 x 8.5 (80 x 50 x 215) | 80 | 50 | 597 | 210 | 248 | 184 | 318 | 16 | 242 | 102 | 450 | 67 | 28.58 |
| 4 x 3 x 8.5 (100 x 80 x 215) | 100 | 80 | 597 | 210 | 248 | 184 | 318 | 16 | 280 | 102 | 490 | 67 | 28.58 |
| 6 x 4 x 8.5 (150 x 100 x 215) | 150 | 100 | 597 | 210 | 248 | 184 | 318 | 16 | 280 | 102 | 490 | 67 | 28.58 |
| 3 x 1.5 x 11 (80 x 40 x 280) | 80 | 40 | 597 | 254 | 248 | 184 | 318 | 16 | 267 | 102 | 520 | 67 | 28.58 |
| 3 x 2 x 11 (80 x 50 x 280) | 80 | 50 | 597 | 254 | 248 | 184 | 318 | 16 | 292 | 102 | 546 | 67 | 28.58 |
| 4 x 3 x 11 (100 x 80 x 280) | 100 | 80 | 597 | 254 | 248 | 184 | 318 | 16 | 318 | 102 | 571 | 67 | 28.58 |
| 3 x 1.5 x 13 (80 x 40 x 330) | 80 | 40 | 597 | 254 | 248 | 184 | 318 | 16 | 266 | 102 | 520 | 67 | 28.58 |
| 3 x 2 x 13 (80 x 50 x 330) | 80 | 50 | 597 | 254 | 248 | 184 | 318 | 16 | 292 | 102 | 546 | 67 | 28.58 |
| 4 x 3 x 13 (100 x 80 x 330) | 100 | 80 | 597 | 254 | 248 | 184 | 318 | 16 | 318 | 102 | 572 | 67 | 28.58 |
| 6 x 4 x 13 (150 x 100 x 330) | 150 | 100 | 597 | 254 | 248 | 184 | 318 | 16 | 343 | 102 | 597 | 67 | 28.58 |
| 8 x 6 x 13 (200 x 150 x 330) | 200 | 150 | 860 | 368 | 406 | 229 | 476 | 22 | 406 | 152 | 775 | 102 | 60.33 |
| 8 x 6 x 15 (200 x 150 x 380) | 200 | 150 | 860 | 368 | 406 | 229 | 476 | 22 | 457 | 152 | 826 | 102 | 60.33 |
| 10 x 8 x 13 (250 x 200 x 330) | 250 | 200 | 860 | 368 | 406 | 229 | 476 | 22 | 483 | 152 | 851 | 102 | 60.33 |
| 10 x 8 x 15 (250 x 200 x 380) | 250 | 200 | 860 | 368 | 406 | 229 | 476 | 22 | 483 | 152 | 851 | 102 | 60.33 |

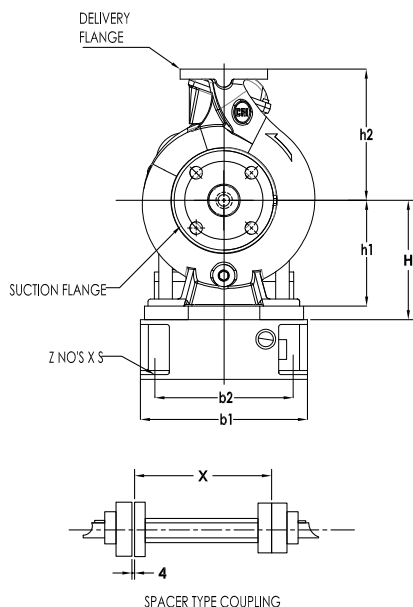
MOUNTING DIMENSION - PUMP SET



| Pump Model | Motor Rating (kW) | | Motor Frame Size | Nominal Size (Ø A) | Outside Diameter | Pitch Circle Diameter | No. of Holes | Hole Diameter | Nominal Size (Ø B) | Outside Diameter | Pitch Circle Diameter | No. Holes | |
|------------|-------------------|----------|------------------|--------------------|------------------|-----------------------|--------------|---------------|--------------------|------------------|-----------------------|-----------|---|
| | 1450 rpm | 2900 rpm | | | | | | | | | | | |
| ECC | 1.5X1X6 | 0.75 | 0.75/1.1 | 80 | 40 | 125 | 98.4 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.5X1X6 | 1.1 | 1.5 | 90S | 40 | 125 | 98.4 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.5X1X6 | 1.5 | 2.2 | 90L | 40 | 125 | 98.4 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.5X1X6 | 2.2 | 3.7 | 100L | 40 | 125 | 98.4 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.5X1X6 | 3.7 | 5.5 | 112M | 40 | 125 | 98.4 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.5X1X6 | 5.5 | 7.5 | 132S | 40 | 125 | 98.4 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| ECC | 3X1.5X6 | 7.5 | 9.3 | 132M | 40 | 125 | 98.4 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 3X1.5X6 | 0.75 | 0.75/1.1 | 80 | 80 | 190 | 152.4 | 4 | 19.1 | 40 | 125 | 98.4 | 4 |
| | 3X1.5X6 | 1.1 | 1.5 | 90S | 80 | 190 | 152.4 | 4 | 19.1 | 40 | 125 | 98.4 | 4 |
| | 3X1.5X6 | 1.5 | 2.2 | 90L | 80 | 190 | 152.4 | 4 | 19.1 | 40 | 125 | 98.4 | 4 |
| | 3X1.5X6 | 2.2 | 3.7 | 100L | 80 | 190 | 152.4 | 4 | 19.1 | 40 | 125 | 98.4 | 4 |
| | 3X1.5X6 | 3.7 | 5.5 | 112M | 80 | 190 | 152.4 | 4 | 19.1 | 40 | 125 | 98.4 | 4 |
| ECC | 3X1.5X6 | 5.5 | 7.5 | 132S | 80 | 190 | 152.4 | 4 | 19.1 | 40 | 125 | 98.4 | 4 |
| | 3X1.5X6 | 7.5 | 9.3 | 132M | 80 | 190 | 152.4 | 4 | 19.1 | 40 | 125 | 98.4 | 4 |
| | 3X2X6 | 0.75 | 0.75/1.1 | 80 | 80 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X6 | 1.1 | 1.5 | 90S | 80 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X6 | 1.5 | 2.2 | 90L | 80 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X6 | 2.2 | 3.7 | 100L | 80 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| ECC | 3X2X6 | 3.7 | 5.5 | 112M | 80 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X6 | 5.5 | 7.5 | 132S | 80 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X6 | 7.5 | 9.3 | 132M | 80 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 1.5X1X8 | 0.75 | 0.75/1.1 | 80 | 40 | 125 | 98.4 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.5X1X8 | 1.1 | 1.5 | 90S | 40 | 125 | 98.4 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.5X1X8 | 1.5 | 2.2 | 90L | 40 | 125 | 98.4 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| ECC | 1.5X1X8 | 2.2 | 3.7 | 100L | 40 | 125 | 98.4 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.5X1X8 | 3.7 | 5.5 | 112M | 40 | 125 | 98.4 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.5X1X8 | 5.5 | 7.5 | 132S | 40 | 125 | 98.4 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.5X1X8 | 7.5 | 9.3 | 132M | 40 | 125 | 98.4 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 3X1.5X8 | 0.75 | 0.75/1.1 | 80 | 80 | 190 | 152.4 | 4 | 19.1 | 40 | 125 | 98.4 | 4 |
| | 3X1.5X8 | 1.1 | 1.5 | 90S | 80 | 190 | 152.4 | 4 | 19.1 | 40 | 125 | 98.4 | 4 |
| ECC | 3X1.5X8 | 1.5 | 2.2 | 90L | 80 | 190 | 152.4 | 4 | 19.1 | 40 | 125 | 98.4 | 4 |
| | 3X1.5X8 | 2.2 | 3.7 | 100L | 80 | 190 | 152.4 | 4 | 19.1 | 40 | 125 | 98.4 | 4 |
| | 3X1.5X8 | 3.7 | 5.5 | 112M | 80 | 190 | 152.4 | 4 | 19.1 | 40 | 125 | 98.4 | 4 |
| | 3X1.5X8 | 5.5 | 7.5 | 132S | 80 | 190 | 152.4 | 4 | 19.1 | 40 | 125 | 98.4 | 4 |
| | 3X1.5X8 | 7.5 | 9.3 | 132M | 80 | 190 | 152.4 | 4 | 19.1 | 40 | 125 | 98.4 | 4 |
| | 2X1X10 | 5.5 | 7.5 | 132S | 50 | 150 | 120.7 | 4 | 19.1 | 26 | 110 | 79.4 | 4 |
| ECC | 2X1X10 | 7.5,9.3 | 9.3 | 132M | 50 | 150 | 120.7 | 4 | 19.1 | 26 | 110 | 79.4 | 4 |
| | 2X1X10 | 11 | 11,15 | 160M | 50 | 150 | 120.7 | 4 | 19.1 | 26 | 110 | 79.4 | 4 |
| | 2X1X10 | 15 | 18.5 | 160L | 50 | 150 | 120.7 | 4 | 19.1 | 26 | 110 | 79.4 | 4 |
| | 2X1X10 | 18.5 | 22 | 180M | 50 | 150 | 120.7 | 4 | 19.1 | 26 | 110 | 79.4 | 4 |
| | 2X1X10 | 22 | | 180L | 50 | 150 | 120.7 | 4 | 19.1 | 26 | 110 | 79.4 | 4 |
| | 2X1X10 | 30 | 30,37 | 200L | 50 | 150 | 120.7 | 4 | 19.1 | 26 | 110 | 79.4 | 4 |
| | 2X1X10 | 37 | | 225S | 50 | 150 | 120.7 | 4 | 19.1 | 26 | 110 | 79.4 | 4 |
| | 2X1X10 | 45 | 45 | 225M | 50 | 150 | 120.7 | 4 | 19.1 | 26 | 110 | 79.4 | 4 |

In view of continuous developments the information / performance / descriptions / specifications / Illustrations are subject to change without notice.

MOUNTING DIMENSION - PUMP SET



| Hole Diameter | a | b1 | b2 | f | a+f | Channel height | Cl Height | H | h1 | h2 | U | V | L1 | L2 | L3 | L4 | Z No's | S | X |
|---------------|-----|-----|-----|-----|-----|----------------|-----------|-----|-----|-----|-------|-------|------|------|-----|-----|--------|----|-----|
| 15.9 | 102 | 210 | 174 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 114.4 | 102.4 | 725 | 600 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 210 | 174 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 114.4 | 102.4 | 725 | 600 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 210 | 174 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 114.4 | 102.4 | 750 | 625 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 240 | 204 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 114.4 | 102.4 | 800 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 240 | 204 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 114.4 | 102.4 | 800 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 244 | 224 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 114.4 | 102.4 | 950 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 244 | 224 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 114.4 | 102.4 | 950 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 210 | 174 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 122 | 104 | 725 | 600 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 210 | 174 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 122 | 104 | 750 | 625 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 240 | 204 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 122 | 104 | 800 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 240 | 204 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 122 | 104 | 800 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 244 | 224 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 122 | 104 | 950 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 244 | 224 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 122 | 104 | 950 | 650 | - | - | 4 | 14 | 100 |
| 19.1 | 102 | 210 | 174 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 122 | 127 | 725 | 600 | - | - | 4 | 14 | 100 |
| 19.1 | 102 | 210 | 174 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 122 | 127 | 725 | 600 | - | - | 4 | 14 | 100 |
| 19.1 | 102 | 210 | 174 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 122 | 127 | 750 | 625 | - | - | 4 | 14 | 100 |
| 19.1 | 102 | 240 | 204 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 122 | 127 | 800 | 650 | - | - | 4 | 14 | 100 |
| 19.1 | 102 | 240 | 204 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 122 | 127 | 800 | 650 | - | - | 4 | 14 | 100 |
| 19.1 | 102 | 244 | 224 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 122 | 127 | 950 | 650 | - | - | 4 | 14 | 100 |
| 19.1 | 102 | 244 | 224 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 122 | 127 | 950 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 210 | 174 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 121 | 129 | 725 | 600 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 210 | 174 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 121 | 129 | 725 | 600 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 210 | 174 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 121 | 129 | 750 | 625 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 240 | 204 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 121 | 129 | 800 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 240 | 204 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 121 | 129 | 800 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 244 | 224 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 121 | 129 | 950 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 244 | 224 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 121 | 129 | 950 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 210 | 174 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 124 | 133 | 725 | 600 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 210 | 174 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 124 | 133 | 725 | 600 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 210 | 174 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 124 | 133 | 750 | 625 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 240 | 204 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 124 | 133 | 800 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 240 | 204 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 124 | 133 | 800 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 244 | 224 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 124 | 133 | 950 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 244 | 224 | 343 | 445 | 75 | 225 | 208 | 133 | 165 | 124 | 133 | 950 | 650 | - | - | 4 | 14 | 100 |
| 15.9 | 102 | 300 | 264 | 495 | 597 | 75 | 302 | 285 | 210 | 216 | 160 | 170 | 1170 | 870 | 290 | 290 | 8 | 14 | 140 |
| 15.9 | 102 | 300 | 264 | 495 | 597 | 75 | 302 | 285 | 210 | 216 | 160 | 170 | 1210 | 906 | 302 | 302 | 8 | 14 | 140 |
| 15.9 | 102 | 340 | 304 | 495 | 597 | 75 | 302 | 285 | 210 | 216 | 160 | 170 | 1300 | 996 | 332 | 332 | 8 | 14 | 140 |
| 15.9 | 102 | 330 | 284 | 495 | 597 | 100 | 327 | 285 | 210 | 216 | 160 | 170 | 1350 | 1050 | 350 | 350 | 8 | 18 | 140 |
| 15.9 | 102 | 375 | 330 | 495 | 597 | 100 | 327 | 285 | 210 | 216 | 160 | 170 | 1380 | 1080 | 360 | 360 | 8 | 18 | 140 |
| 15.9 | 102 | 375 | 330 | 495 | 597 | 100 | 327 | 285 | 210 | 216 | 160 | 170 | 1420 | 1116 | 372 | 372 | 8 | 18 | 140 |
| 15.9 | 102 | 400 | 355 | 495 | 597 | 100 | 327 | 285 | 210 | 216 | 160 | 170 | 1500 | 1161 | 387 | 387 | 8 | 18 | 140 |
| 15.9 | 102 | 450 | 405 | 495 | 597 | 100 | 327 | 285 | 210 | 216 | 160 | 170 | 1550 | 1209 | 403 | 403 | 8 | 18 | 140 |
| 15.9 | 102 | 450 | 405 | 495 | 597 | 100 | 327 | 285 | 210 | 216 | 160 | 170 | 1580 | 1239 | 413 | 413 | 8 | 18 | 140 |

In view of continuous developments the information / performance / descriptions / specifications / Illustrations are subject to change without notice.

MOUNTING DIMENSION - PUMP SET

| Pump Model | | Motor Rating (kW) | | Motor Frame Size | Nominal Size (Ø A) | Outside Diameter | Pitch Circle Diameter | No. of Holes | Hole Diameter | Nominal Size (Ø B) | Outside Diameter | Pitch Circle Diameter | No. Holes |
|------------|-----------|-------------------|----------|------------------|--------------------|------------------|-----------------------|--------------|---------------|--------------------|------------------|-----------------------|-----------|
| | | 1450 rpm | 2900 rpm | | | | | | | | | | |
| ECC | 3X1.5X8.5 | 5.5 | 7.5 | 132S | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X8.5 | 7.5,9.3 | 9.3 | 132M | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X8.5 | 11 | 11,15 | 160M | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X8.5 | 15 | 18.5 | 160L | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X8.5 | 18.5 | 22 | 180M | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X8.5 | 22 | - | 180L | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X8.5 | 30 | 30,37 | 200L | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X8.5 | 37 | - | 225S | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| ECC | 3X2X8.5 | 5.5 | 7.5 | 132S | 76 | 190 | 152.4 | 4 | 19.1 | 52 | 150 | 120.7 | 4 |
| | 3X2X8.5 | 7.5,9.3 | 9.3 | 132M | 76 | 190 | 152.4 | 4 | 19.1 | 52 | 150 | 120.7 | 4 |
| | 3X2X8.5 | 11 | 11,15 | 160M | 76 | 190 | 152.4 | 4 | 19.1 | 52 | 150 | 120.7 | 4 |
| | 3X2X8.5 | 15 | 18.5 | 160L | 76 | 190 | 152.4 | 4 | 19.1 | 52 | 150 | 120.7 | 4 |
| | 3X2X8.5 | 18.5 | 22 | 180M | 76 | 190 | 152.4 | 4 | 19.1 | 52 | 150 | 120.7 | 4 |
| | 3X2X8.5 | 22 | - | 180L | 76 | 190 | 152.4 | 4 | 19.1 | 52 | 150 | 120.7 | 4 |
| | 3X2X8.5 | 30 | 30,37 | 200L | 76 | 190 | 152.4 | 4 | 19.1 | 52 | 150 | 120.7 | 4 |
| | 3X2X8.5 | 37 | - | 225S | 76 | 190 | 152.4 | 4 | 19.1 | 52 | 150 | 120.7 | 4 |
| ECC | 4X3X8.5 | 5.5 | 7.5 | 132S | 102 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X8.5 | 7.5,9.3 | 9.3 | 132M | 102 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X8.5 | 11 | 11,15 | 160M | 102 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X8.5 | 15 | 18.5 | 160L | 102 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X8.5 | 18.5 | 22 | 180M | 102 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X8.5 | 22 | - | 180L | 102 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X8.5 | 30 | 30,37 | 200L | 102 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X8.5 | 37 | - | 225S | 102 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| ECC | 6X4X8.5 | 5.5 | 7.5 | 132S | 152 | 280 | 241.3 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 6X4X8.5 | 7.5,9.3 | 9.3 | 132M | 152 | 280 | 241.3 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 6X4X8.5 | 11 | 11,15 | 160M | 152 | 280 | 241.3 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 6X4X8.5 | 15 | 18.5 | 160L | 152 | 280 | 241.3 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 6X4X8.5 | 18.5 | 22 | 180M | 152 | 280 | 241.3 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 6X4X8.5 | 22 | - | 180L | 152 | 280 | 241.3 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 6X4X8.5 | 30 | 30,37 | 200L | 152 | 280 | 241.3 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 6X4X8.5 | 37 | - | 225S | 152 | 280 | 241.3 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| ECC | 3X1.5X11 | - | 5.5 | 112M | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X11 | 5.5 | 7.5 | 132S | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X11 | 7.5,9.3 | 9.3 | 132M | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X11 | 11 | 11,15 | 160M | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X11 | 15 | 18.5 | 160L | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X11 | 18.5 | 22 | 180M | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X11 | 22 | - | 180L | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X11 | 30 | 30,37 | 200L | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |

In view of continuous developments the information / performance / descriptions / specifications / Illustrations are subject to change without notice.

MOUNTING DIMENSION - PUMP SET

| Hole Diameter | a | b1 | b2 | f | a+f | Channel height | Cl Height | H | h1 | h2 | U | V | L1 | L2 | L3 | L4 | Z No's | S | X |
|---------------|-----|-----|-----|-----|-----|----------------|-----------|-----|-----|-----|-----|-----|------|------|-----|-----|--------|----|-----|
| 15.9 | 102 | 300 | 264 | 495 | 597 | 75 | 302 | 285 | 210 | 216 | 142 | 154 | 1170 | 870 | 290 | 290 | 8 | 14 | 140 |
| 15.9 | 102 | 300 | 264 | 495 | 597 | 75 | 302 | 285 | 210 | 216 | 142 | 154 | 1210 | 906 | 302 | 302 | 8 | 14 | 140 |
| 15.9 | 102 | 340 | 304 | 495 | 597 | 75 | 302 | 285 | 210 | 216 | 142 | 154 | 1300 | 996 | 332 | 332 | 8 | 14 | 140 |
| 15.9 | 102 | 330 | 284 | 495 | 597 | 100 | 327 | 285 | 210 | 216 | 142 | 154 | 1350 | 1050 | 350 | 350 | 8 | 18 | 140 |
| 15.9 | 102 | 375 | 330 | 495 | 597 | 100 | 327 | 285 | 210 | 216 | 142 | 154 | 1380 | 1080 | 360 | 360 | 8 | 18 | 140 |
| 15.9 | 102 | 375 | 329 | 495 | 597 | 100 | 327 | 285 | 210 | 216 | 142 | 154 | 1420 | 1116 | 372 | 372 | 8 | 18 | 140 |
| 15.9 | 102 | 400 | 355 | 495 | 597 | 100 | 327 | 285 | 210 | 216 | 142 | 154 | 1500 | 1161 | 387 | 387 | 8 | 18 | 140 |
| 15.9 | 102 | 450 | 405 | 495 | 597 | 100 | 327 | 285 | 210 | 216 | 142 | 154 | 1550 | 1209 | 403 | 403 | 8 | 18 | 140 |
| 15.9 | 102 | 450 | 405 | 495 | 597 | 100 | 327 | 285 | 210 | 216 | 142 | 154 | 1580 | 1239 | 413 | 413 | 8 | 18 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 302 | 285 | 210 | 242 | 150 | 177 | 1170 | 870 | 290 | 290 | 8 | 14 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 302 | 285 | 210 | 242 | 150 | 177 | 1210 | 906 | 302 | 302 | 8 | 14 | 140 |
| 19.1 | 102 | 340 | 304 | 495 | 597 | 75 | 302 | 285 | 210 | 242 | 150 | 177 | 1300 | 996 | 332 | 332 | 8 | 14 | 140 |
| 19.1 | 102 | 330 | 284 | 495 | 597 | 100 | 327 | 285 | 210 | 242 | 150 | 177 | 1350 | 1050 | 350 | 350 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 330 | 495 | 597 | 100 | 327 | 285 | 210 | 242 | 150 | 177 | 1380 | 1080 | 360 | 360 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 329 | 495 | 597 | 100 | 327 | 285 | 210 | 242 | 150 | 177 | 1420 | 1116 | 372 | 372 | 8 | 18 | 140 |
| 19.1 | 102 | 400 | 355 | 495 | 597 | 100 | 327 | 285 | 210 | 242 | 150 | 177 | 1500 | 1161 | 387 | 387 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 327 | 285 | 210 | 242 | 150 | 177 | 1550 | 1209 | 403 | 403 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 327 | 285 | 210 | 242 | 150 | 177 | 1580 | 1239 | 413 | 413 | 8 | 18 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 302 | 285 | 210 | 280 | 158 | 183 | 1170 | 870 | 290 | 290 | 8 | 14 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 302 | 285 | 210 | 280 | 158 | 183 | 1210 | 906 | 302 | 302 | 8 | 14 | 140 |
| 19.1 | 102 | 340 | 304 | 495 | 597 | 75 | 302 | 285 | 210 | 280 | 158 | 183 | 1300 | 996 | 332 | 332 | 8 | 14 | 140 |
| 19.1 | 102 | 330 | 284 | 495 | 597 | 100 | 327 | 285 | 210 | 280 | 158 | 183 | 1350 | 1050 | 350 | 350 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 330 | 495 | 597 | 100 | 327 | 285 | 210 | 280 | 158 | 183 | 1380 | 1080 | 360 | 360 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 329 | 495 | 597 | 100 | 327 | 285 | 210 | 280 | 158 | 183 | 1420 | 1116 | 372 | 372 | 8 | 18 | 140 |
| 19.1 | 102 | 400 | 355 | 495 | 597 | 100 | 327 | 285 | 210 | 280 | 158 | 183 | 1500 | 1161 | 387 | 387 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 327 | 285 | 210 | 280 | 158 | 183 | 1550 | 1209 | 403 | 403 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 327 | 285 | 210 | 280 | 158 | 183 | 1580 | 1239 | 413 | 413 | 8 | 18 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 302 | 285 | 210 | 280 | 172 | 202 | 1170 | 870 | 290 | 290 | 8 | 14 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 302 | 285 | 210 | 280 | 172 | 202 | 1210 | 906 | 302 | 302 | 8 | 14 | 140 |
| 19.1 | 102 | 340 | 304 | 495 | 597 | 75 | 302 | 285 | 210 | 280 | 172 | 202 | 1300 | 996 | 332 | 332 | 8 | 14 | 140 |
| 19.1 | 102 | 330 | 284 | 495 | 597 | 100 | 327 | 285 | 210 | 280 | 172 | 202 | 1350 | 1050 | 350 | 350 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 330 | 495 | 597 | 100 | 327 | 285 | 210 | 280 | 172 | 202 | 1380 | 1080 | 360 | 360 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 329 | 495 | 597 | 100 | 327 | 285 | 210 | 280 | 172 | 202 | 1420 | 1116 | 372 | 372 | 8 | 18 | 140 |
| 19.1 | 102 | 400 | 355 | 495 | 597 | 100 | 327 | 285 | 210 | 280 | 172 | 202 | 1500 | 1161 | 387 | 387 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 327 | 285 | 210 | 280 | 172 | 202 | 1550 | 1209 | 403 | 403 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 327 | 285 | 210 | 280 | 172 | 202 | 1580 | 1239 | 413 | 413 | 8 | 18 | 140 |
| 15.9 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 267 | 178 | 192 | 1120 | 819 | 273 | 273 | 8 | 14 | 140 |
| 15.9 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 267 | 178 | 192 | 1180 | 870 | 290 | 290 | 8 | 14 | 140 |
| 15.9 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 267 | 178 | 192 | 1220 | 921 | 307 | 307 | 8 | 14 | 140 |
| 15.9 | 102 | 340 | 304 | 495 | 597 | 75 | 346 | 329 | 254 | 267 | 178 | 192 | 1310 | 1020 | 340 | 340 | 8 | 14 | 140 |
| 15.9 | 102 | 330 | 284 | 495 | 597 | 100 | 371 | 329 | 254 | 267 | 178 | 192 | 1360 | 1065 | 355 | 355 | 8 | 18 | 140 |
| 15.9 | 102 | 375 | 330 | 495 | 597 | 100 | 371 | 329 | 254 | 267 | 178 | 192 | 1390 | 1095 | 365 | 365 | 8 | 18 | 140 |
| 15.9 | 102 | 375 | 330 | 495 | 597 | 100 | 371 | 329 | 254 | 267 | 178 | 192 | 1430 | 1131 | 377 | 377 | 8 | 18 | 140 |
| 15.9 | 102 | 400 | 355 | 495 | 597 | 100 | 371 | 329 | 254 | 267 | 178 | 192 | 1530 | 1191 | 397 | 397 | 8 | 18 | 140 |

MOUNTING DIMENSION - PUMP SET

| Pump Model | | Motor Rating (kW) | | Motor Frame Size | Nominal Size (Ø A) | Outside Diameter | Pitch Circle Diameter | No. of Holes | Hole Diameter | Nominal Size (Ø B) | Outside Diameter | Pitch Circle Diameter | No. Holes |
|------------|----------|-------------------|----------|------------------|--------------------|------------------|-----------------------|--------------|---------------|--------------------|------------------|-----------------------|-----------|
| | | 1450 rpm | 2900 rpm | | | | | | | | | | |
| ECC | 3X1.5X11 | 37 | - | 225S | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X11 | 45 | 45 | 225M | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| ECC | 3X2X11 | - | 5.5 | 112M | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X11 | 5.5 | 7.5 | 132S | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X11 | 7.5,9.3 | 9.3 | 132M | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X11 | 11 | 11,15 | 160M | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X11 | 15 | 18.5 | 160L | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X11 | 18.5 | 22 | 180M | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X11 | 22 | - | 180L | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X11 | 30 | 30,37 | 200L | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X11 | 37 | - | 225S | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| 3X2X11 | 45 | 45 | 225M | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 | |
| ECC | 4X3X11 | - | 5.5 | 112M | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X11 | 5.5 | 7.5 | 132S | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X11 | 7.5,9.3 | 9.3 | 132M | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X11 | 11 | 11,15 | 160M | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X11 | 15 | 18.5 | 160L | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X11 | 18.5 | 22 | 180M | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X11 | 22 | - | 180L | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X11 | 30 | 30,37 | 200L | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X11 | 37 | - | 225S | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| 4X3X11 | 45 | 45 | 225M | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 | |
| ECC | 3X1.5X13 | - | 5.5 | 112M | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X13 | 5.5 | 7.5 | 132S | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X13 | 7.5,9.3 | 9.3 | 132M | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X13 | 11 | 11,15 | 160M | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X13 | 15 | 18.5 | 160L | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X13 | 18.5 | 22 | 180M | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X13 | 22 | - | 180L | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X13 | 30 | 30,37 | 200L | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X13 | 37 | - | 225S | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| | 3X1.5X13 | 45 | 45 | 225M | 76 | 190 | 152.4 | 4 | 19.1 | 38 | 125 | 98.4 | 4 |
| ECC | 3X2X13 | - | 5.5 | 112M | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X13 | 5.5 | 7.5 | 132S | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X13 | 7.5,9.3 | 9.3 | 132M | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X13 | 11 | 11,15 | 160M | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X13 | 15 | 18.5 | 160L | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X13 | 18.5 | 22 | 180M | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X13 | 22 | - | 180L | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X13 | 30 | 30,37 | 200L | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X13 | 37 | - | 225S | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| | 3X2X13 | 45 | 45 | 225M | 76 | 190 | 152.4 | 4 | 19.1 | 50 | 150 | 120.7 | 4 |
| ECC | 4X3X13 | - | 5.5 | 112M | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X13 | 5.5 | 7.5 | 132S | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |

In view of continuous developments the information / performance / descriptions / specifications / Illustrations are subject to change without notice.

MOUNTING DIMENSION - PUMP SET

| Hole Diameter | a | b1 | b2 | f | a+f | Channel height | Ci Height | H | h1 | h2 | U | V | L1 | L2 | L3 | L4 | Z No's | S | X |
|---------------|-----|-----|-----|-----|-----|----------------|-----------|-----|-----|-----|-----|-----|------|------|-----|-----|--------|----|-----|
| 15.9 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 267 | 178 | 192 | 1580 | 1239 | 413 | 413 | 8 | 18 | 140 |
| 15.9 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 267 | 178 | 192 | 1600 | 1260 | 420 | 420 | 8 | 18 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 292 | 187 | 206 | 1120 | 819 | 273 | 273 | 8 | 14 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 292 | 187 | 206 | 1180 | 870 | 290 | 290 | 8 | 14 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 292 | 187 | 206 | 1220 | 921 | 307 | 307 | 8 | 14 | 140 |
| 19.1 | 102 | 340 | 304 | 495 | 597 | 75 | 346 | 329 | 254 | 292 | 187 | 206 | 1310 | 1020 | 340 | 340 | 8 | 14 | 140 |
| 19.1 | 102 | 330 | 284 | 495 | 597 | 100 | 371 | 329 | 254 | 292 | 187 | 206 | 1360 | 1065 | 355 | 355 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 330 | 495 | 597 | 100 | 371 | 329 | 254 | 292 | 187 | 206 | 1390 | 1095 | 365 | 365 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 329 | 495 | 597 | 100 | 371 | 329 | 254 | 292 | 187 | 206 | 1430 | 1131 | 377 | 377 | 8 | 18 | 140 |
| 19.1 | 102 | 400 | 355 | 495 | 597 | 100 | 371 | 329 | 254 | 292 | 187 | 206 | 1530 | 1191 | 397 | 397 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 292 | 187 | 206 | 1580 | 1239 | 413 | 413 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 292 | 187 | 206 | 1600 | 1260 | 420 | 420 | 8 | 18 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 318 | 189 | 216 | 1120 | 819 | 273 | 273 | 8 | 14 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 318 | 189 | 216 | 1180 | 870 | 290 | 290 | 8 | 14 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 318 | 189 | 216 | 1220 | 921 | 307 | 307 | 8 | 14 | 140 |
| 19.1 | 102 | 340 | 304 | 495 | 597 | 75 | 346 | 329 | 254 | 318 | 189 | 216 | 1310 | 1020 | 340 | 340 | 8 | 14 | 140 |
| 19.1 | 102 | 330 | 284 | 495 | 597 | 100 | 371 | 329 | 254 | 318 | 189 | 216 | 1360 | 1065 | 355 | 355 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 330 | 495 | 597 | 100 | 371 | 329 | 254 | 318 | 189 | 216 | 1390 | 1095 | 365 | 365 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 329 | 495 | 597 | 100 | 371 | 329 | 254 | 318 | 189 | 216 | 1430 | 1131 | 377 | 377 | 8 | 18 | 140 |
| 19.1 | 102 | 400 | 355 | 495 | 597 | 100 | 371 | 329 | 254 | 318 | 189 | 216 | 1530 | 1191 | 397 | 397 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 318 | 189 | 216 | 1580 | 1239 | 413 | 413 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 318 | 189 | 216 | 1600 | 1260 | 420 | 420 | 8 | 18 | 140 |
| 15.9 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 266 | 202 | 215 | 1120 | 819 | 273 | 273 | 8 | 14 | 140 |
| 15.9 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 266 | 202 | 215 | 1180 | 870 | 290 | 290 | 8 | 14 | 140 |
| 15.9 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 266 | 202 | 215 | 1220 | 921 | 307 | 307 | 8 | 14 | 140 |
| 15.9 | 102 | 340 | 304 | 495 | 597 | 75 | 346 | 329 | 254 | 266 | 202 | 215 | 1310 | 1020 | 340 | 340 | 8 | 14 | 140 |
| 15.9 | 102 | 330 | 284 | 495 | 597 | 100 | 371 | 329 | 254 | 266 | 202 | 215 | 1360 | 1065 | 355 | 355 | 8 | 18 | 140 |
| 15.9 | 102 | 375 | 330 | 495 | 597 | 100 | 371 | 329 | 254 | 266 | 202 | 215 | 1390 | 1095 | 365 | 365 | 8 | 18 | 140 |
| 15.9 | 102 | 375 | 329 | 495 | 597 | 100 | 371 | 329 | 254 | 266 | 202 | 215 | 1430 | 1131 | 377 | 377 | 8 | 18 | 140 |
| 15.9 | 102 | 400 | 355 | 495 | 597 | 100 | 371 | 329 | 254 | 266 | 202 | 215 | 1530 | 1191 | 397 | 397 | 8 | 18 | 140 |
| 15.9 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 266 | 202 | 215 | 1580 | 1239 | 413 | 413 | 8 | 18 | 140 |
| 15.9 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 266 | 202 | 215 | 1600 | 1260 | 420 | 420 | 8 | 18 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 292 | 208 | 226 | 1120 | 819 | 273 | 273 | 8 | 14 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 292 | 208 | 226 | 1180 | 870 | 290 | 290 | 8 | 14 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 292 | 208 | 226 | 1220 | 921 | 307 | 307 | 8 | 14 | 140 |
| 19.1 | 102 | 340 | 304 | 495 | 597 | 75 | 346 | 329 | 254 | 292 | 208 | 226 | 1310 | 1020 | 340 | 340 | 8 | 14 | 140 |
| 19.1 | 102 | 330 | 284 | 495 | 597 | 100 | 371 | 329 | 254 | 292 | 208 | 226 | 1360 | 1065 | 355 | 355 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 330 | 495 | 597 | 100 | 371 | 329 | 254 | 292 | 208 | 226 | 1390 | 1095 | 365 | 365 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 329 | 495 | 597 | 100 | 371 | 329 | 254 | 292 | 208 | 226 | 1430 | 1131 | 377 | 377 | 8 | 18 | 140 |
| 19.1 | 102 | 400 | 355 | 495 | 597 | 100 | 371 | 329 | 254 | 292 | 208 | 226 | 1530 | 1191 | 397 | 397 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 292 | 208 | 226 | 1580 | 1239 | 413 | 413 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 292 | 208 | 226 | 1600 | 1260 | 420 | 420 | 8 | 18 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 318 | 220 | 248 | 1120 | 819 | 273 | 273 | 8 | 14 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 318 | 220 | 248 | 1180 | 870 | 290 | 290 | 8 | 14 | 140 |

MOUNTING DIMENSION - PUMP SET

| Pump Model | | Motor Rating (kW) | | Motor Frame Size | Nominal Size (Ø A) | Outside Diameter | Pitch Circle Diameter | No. of Holes | Hole Diameter | Nominal Size (Ø B) | Outside Diameter | Pitch Circle Diameter | No. Holes |
|------------|---------|-------------------|----------|------------------|--------------------|------------------|-----------------------|--------------|---------------|--------------------|------------------|-----------------------|-----------|
| | | 1450 rpm | 2900 rpm | | | | | | | | | | |
| ECC | 4X3X13 | 7.5,9.3 | 9.3 | 132M | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X13 | 11 | 11,15 | 160M | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X13 | 15 | 18.5 | 160L | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X13 | 18.5 | 22 | 180M | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X13 | 22 | - | 180L | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X13 | 30 | 30,37 | 200L | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X13 | 37 | - | 225S | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| | 4X3X13 | 45 | 45 | 225M | 101 | 230 | 190.5 | 8 | 19.1 | 76 | 190 | 152.4 | 4 |
| ECC | 6X4X13 | - | 5.5 | 112M | 152 | 280 | 241.3 | 8 | 22.2 | 102 | 230 | 190.5 | 8 |
| | 6X4X13 | 5.5 | 7.5 | 132S | 152 | 280 | 241.3 | 8 | 22.2 | 102 | 230 | 190.5 | 8 |
| | 6X4X13 | 7.5,9.3 | 9.3 | 132M | 152 | 280 | 241.3 | 8 | 22.2 | 102 | 230 | 190.5 | 8 |
| | 6X4X13 | 11 | 11,15 | 160M | 152 | 280 | 241.3 | 8 | 22.2 | 102 | 230 | 190.5 | 8 |
| | 6X4X13 | 15 | 18.5 | 160L | 152 | 280 | 241.3 | 8 | 22.2 | 102 | 230 | 190.5 | 8 |
| | 6X4X13 | 18.5 | 22 | 180M | 152 | 280 | 241.3 | 8 | 22.2 | 102 | 230 | 190.5 | 8 |
| | 6X4X13 | 22 | - | 180L | 152 | 280 | 241.3 | 8 | 22.2 | 102 | 230 | 190.5 | 8 |
| | 6X4X13 | 30 | 30,37 | 200L | 152 | 280 | 241.3 | 8 | 22.2 | 102 | 230 | 190.5 | 8 |
| | 6X4X13 | 37 | - | 225S | 152 | 280 | 241.3 | 8 | 22.2 | 102 | 230 | 190.5 | 8 |
| | 6X4X13 | 45 | 45 | 225M | 152 | 280 | 241.3 | 8 | 22.2 | 102 | 230 | 190.5 | 8 |
| ECC | 5X4X10 | - | 5.5 | 112M | 127 | 255 | 215.9 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 5X4X10 | 5.5 | 7.5 | 132S | 127 | 255 | 215.9 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 5X4X10 | 7.5,9.3 | 9.3 | 132M | 127 | 255 | 215.9 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 5X4X10 | 11 | 11,15 | 160M | 127 | 255 | 215.9 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 5X4X10 | 15 | 18.5 | 160L | 127 | 255 | 215.9 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 5X4X10 | 18.5 | 22 | 180M | 127 | 255 | 215.9 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 5X4X10 | 22 | - | 180L | 127 | 255 | 215.9 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 5X4X10 | 30 | 30,37 | 200L | 127 | 255 | 215.9 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 5X4X10 | 37 | - | 225S | 127 | 255 | 215.9 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| | 5X4X10 | 45 | 45 | 225M | 127 | 255 | 215.9 | 8 | 22.2 | 100 | 230 | 190.5 | 8 |
| ECC | 8X6X13 | - | 22 | 180L | 202 | 345 | 298.5 | 8 | 22.2 | 152 | 280 | 241.3 | 8 |
| | 8X6X13 | 22 | 30 | 200L | 202 | 345 | 298.5 | 8 | 22.2 | 152 | 280 | 241.3 | 8 |
| | 8X6X13 | - | 37 | 225S | 202 | 345 | 298.5 | 8 | 22.2 | 152 | 280 | 241.3 | 8 |
| | 8X6X13 | 30 | 45 | 225M | 202 | 345 | 298.5 | 8 | 22.2 | 152 | 280 | 241.3 | 8 |
| | 8X6X13 | 37 | 55 | 250M | 202 | 345 | 298.5 | 8 | 22.2 | 152 | 280 | 241.3 | 8 |
| | 8X6X13 | 45 | 75 | 280S | 202 | 345 | 298.5 | 8 | 22.2 | 152 | 280 | 241.3 | 8 |
| ECC | 8X6X15 | - | 22 | 180L | 204 | 345 | 298.5 | 8 | 22.2 | 152 | 280 | 241.3 | 8 |
| | 8X6X15 | 22 | 30 | 200L | 204 | 345 | 298.5 | 8 | 22.2 | 152 | 280 | 241.3 | 8 |
| | 8X6X15 | - | 37 | 225S | 204 | 345 | 298.5 | 8 | 22.2 | 152 | 280 | 241.3 | 8 |
| | 8X6X15 | 30 | 45 | 225M | 204 | 345 | 298.5 | 8 | 22.2 | 152 | 280 | 241.3 | 8 |
| | 8X6X15 | 37 | 55 | 250M | 204 | 345 | 298.5 | 8 | 22.2 | 152 | 280 | 241.3 | 8 |
| | 8X6X15 | 45 | 75 | 280S | 204 | 345 | 298.5 | 8 | 22.2 | 152 | 280 | 241.3 | 8 |
| ECC | 10X8X15 | - | 22 | 180L | 255 | 405 | 382 | 12 | 25.4 | 200 | 345 | 298.5 | 8 |
| | 10X8X15 | 22 | 30 | 200L | 255 | 405 | 382 | 12 | 25.4 | 200 | 345 | 298.5 | 8 |
| | 10X8X15 | - | 37 | 225S | 255 | 405 | 382 | 12 | 25.4 | 200 | 345 | 298.5 | 8 |
| | 10X8X15 | 30 | 45 | 225M | 255 | 405 | 382 | 12 | 25.4 | 200 | 345 | 298.5 | 8 |
| | 10X8X15 | 37 | 55 | 250M | 255 | 405 | 382 | 12 | 25.4 | 200 | 345 | 298.5 | 8 |
| | 10X8X15 | 45 | 75 | 280S | 255 | 405 | 382 | 12 | 25.4 | 200 | 345 | 298.5 | 8 |

In view of continuous developments the information / performance / descriptions / specifications / Illustrations are subject to change without notice.

MOUNTING DIMENSION - PUMP SET

| Hole Diameter | a | b1 | b2 | f | a+f | Channel height | Cl Height | H | h1 | h2 | U | V | L1 | L2 | L3 | L4 | Z No's | S | X |
|---------------|-----|-----|-----|-----|-----|----------------|-----------|-----|-----|-----|-----|-----|------|------|-------|-------|--------|----|-----|
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 318 | 220 | 248 | 1220 | 921 | 307 | 307 | 8 | 14 | 140 |
| 19.1 | 102 | 340 | 304 | 495 | 597 | 75 | 346 | 329 | 254 | 318 | 220 | 248 | 1310 | 1020 | 340 | 340 | 8 | 14 | 140 |
| 19.1 | 102 | 330 | 284 | 495 | 597 | 100 | 371 | 329 | 254 | 318 | 220 | 248 | 1360 | 1065 | 355 | 355 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 330 | 495 | 597 | 100 | 371 | 329 | 254 | 318 | 220 | 248 | 1390 | 1095 | 365 | 365 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 329 | 495 | 597 | 100 | 371 | 329 | 254 | 318 | 220 | 248 | 1430 | 1131 | 377 | 377 | 8 | 18 | 140 |
| 19.1 | 102 | 400 | 355 | 495 | 597 | 100 | 371 | 329 | 254 | 318 | 220 | 248 | 1530 | 1191 | 397 | 397 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 318 | 220 | 248 | 1580 | 1239 | 413 | 413 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 318 | 220 | 248 | 1600 | 1260 | 420 | 420 | 8 | 18 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 343 | 222 | 270 | 1120 | 819 | 273 | 273 | 8 | 14 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 343 | 222 | 270 | 1180 | 870 | 290 | 290 | 8 | 14 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 343 | 222 | 270 | 1220 | 921 | 307 | 307 | 8 | 14 | 140 |
| 19.1 | 102 | 340 | 304 | 495 | 597 | 75 | 346 | 329 | 254 | 343 | 222 | 270 | 1310 | 1020 | 340 | 340 | 8 | 14 | 140 |
| 19.1 | 102 | 330 | 284 | 495 | 597 | 100 | 371 | 329 | 254 | 343 | 222 | 270 | 1360 | 1065 | 355 | 355 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 330 | 495 | 597 | 100 | 371 | 329 | 254 | 343 | 222 | 270 | 1390 | 1095 | 365 | 365 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 329 | 495 | 597 | 100 | 371 | 329 | 254 | 343 | 222 | 270 | 1430 | 1131 | 377 | 377 | 8 | 18 | 140 |
| 19.1 | 102 | 400 | 355 | 495 | 597 | 100 | 371 | 329 | 254 | 343 | 222 | 270 | 1530 | 1191 | 397 | 397 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 343 | 222 | 270 | 1580 | 1239 | 413 | 413 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 343 | 222 | 270 | 1600 | 1260 | 420 | 420 | 8 | 18 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 343 | 181 | 206 | 1120 | 819 | 273 | 273 | 8 | 14 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 343 | 181 | 206 | 1180 | 870 | 290 | 290 | 8 | 14 | 140 |
| 19.1 | 102 | 300 | 264 | 495 | 597 | 75 | 346 | 329 | 254 | 343 | 181 | 206 | 1220 | 921 | 307 | 307 | 8 | 14 | 140 |
| 19.1 | 102 | 340 | 304 | 495 | 597 | 75 | 346 | 329 | 254 | 343 | 181 | 206 | 1310 | 1020 | 340 | 340 | 8 | 14 | 140 |
| 19.1 | 102 | 330 | 284 | 495 | 597 | 100 | 371 | 329 | 254 | 343 | 181 | 206 | 1360 | 1065 | 355 | 355 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 330 | 495 | 597 | 100 | 371 | 329 | 254 | 343 | 181 | 206 | 1390 | 1095 | 365 | 365 | 8 | 18 | 140 |
| 19.1 | 102 | 375 | 329 | 495 | 597 | 100 | 371 | 329 | 254 | 343 | 181 | 206 | 1430 | 1131 | 377 | 377 | 8 | 18 | 140 |
| 19.1 | 102 | 400 | 355 | 495 | 597 | 100 | 371 | 329 | 254 | 343 | 181 | 206 | 1530 | 1191 | 397 | 397 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 343 | 181 | 206 | 1580 | 1239 | 413 | 413 | 8 | 18 | 140 |
| 19.1 | 102 | 450 | 405 | 495 | 597 | 100 | 371 | 329 | 254 | 343 | 181 | 206 | 1600 | 1260 | 420 | 420 | 8 | 18 | 140 |
| 22.2 | 152 | 540 | 470 | 708 | 860 | 150 | 538 | 518 | 368 | 406 | 237 | 290 | 1740 | 1278 | 426.7 | 426.7 | 8 | 24 | 180 |
| 22.2 | 152 | 540 | 470 | 708 | 860 | 150 | 538 | 518 | 368 | 406 | 237 | 290 | 1810 | 1350 | 450 | 450 | 8 | 24 | 180 |
| 22.2 | 152 | 540 | 470 | 708 | 860 | 150 | 538 | 518 | 368 | 406 | 237 | 290 | 1885 | 1425 | 475 | 475 | 8 | 24 | 180 |
| 22.2 | 152 | 540 | 470 | 708 | 860 | 150 | 538 | 518 | 368 | 406 | 237 | 290 | 1960 | 1500 | 500 | 500 | 8 | 24 | 180 |
| 22.2 | 152 | 620 | 550 | 708 | 860 | 150 | 538 | 518 | 368 | 406 | 237 | 290 | 2055 | 1595 | 531.7 | 531.7 | 8 | 24 | 180 |
| 22.2 | 152 | 540 | 470 | 708 | 860 | 150 | 538 | 518 | 368 | 456 | 268 | 324 | 1740 | 1278 | 426.7 | 426.7 | 8 | 24 | 180 |
| 22.2 | 152 | 540 | 470 | 708 | 860 | 150 | 538 | 518 | 368 | 456 | 268 | 324 | 1810 | 1350 | 450 | 450 | 8 | 24 | 180 |
| 22.2 | 152 | 540 | 470 | 708 | 860 | 150 | 538 | 518 | 368 | 456 | 268 | 324 | 1885 | 1425 | 475 | 475 | 8 | 24 | 180 |
| 22.2 | 152 | 540 | 470 | 708 | 860 | 150 | 538 | 518 | 368 | 456 | 268 | 324 | 1885 | 1425 | 475 | 475 | 8 | 24 | 180 |
| 22.2 | 152 | 540 | 470 | 708 | 860 | 150 | 538 | 518 | 368 | 456 | 268 | 324 | 1960 | 1500 | 500 | 500 | 8 | 24 | 180 |
| 22.2 | 152 | 620 | 550 | 708 | 860 | 150 | 538 | 518 | 368 | 456 | 268 | 324 | 2055 | 1595 | 531.7 | 531.7 | 8 | 24 | 180 |
| 22.2 | 152 | 540 | 470 | 708 | 860 | 150 | 538 | 518 | 368 | 483 | 314 | 373 | 1740 | 1268 | 426.7 | 426.7 | 8 | 24 | 180 |
| 22.2 | 152 | 540 | 470 | 708 | 860 | 150 | 538 | 518 | 368 | 483 | 314 | 373 | 1810 | 1315 | 450 | 450 | 8 | 24 | 180 |
| 22.2 | 152 | 540 | 470 | 708 | 860 | 150 | 538 | 518 | 368 | 483 | 314 | 373 | 1885 | 1365 | 475 | 475 | 8 | 24 | 180 |
| 22.2 | 152 | 540 | 470 | 708 | 860 | 150 | 538 | 518 | 368 | 483 | 314 | 373 | 1885 | 1365 | 475 | 475 | 8 | 24 | 180 |
| 22.2 | 152 | 540 | 470 | 708 | 860 | 150 | 538 | 518 | 368 | 483 | 314 | 373 | 1960 | 1500 | 500 | 500 | 8 | 24 | 180 |
| 22.2 | 152 | 620 | 550 | 708 | 860 | 150 | 538 | 518 | 368 | 483 | 314 | 373 | 2055 | 1595 | 531.7 | 531.7 | 8 | 24 | 180 |

OVERALL RANGE & PERFORMANCE DETAILS

At 1450 rpm as per performance curve

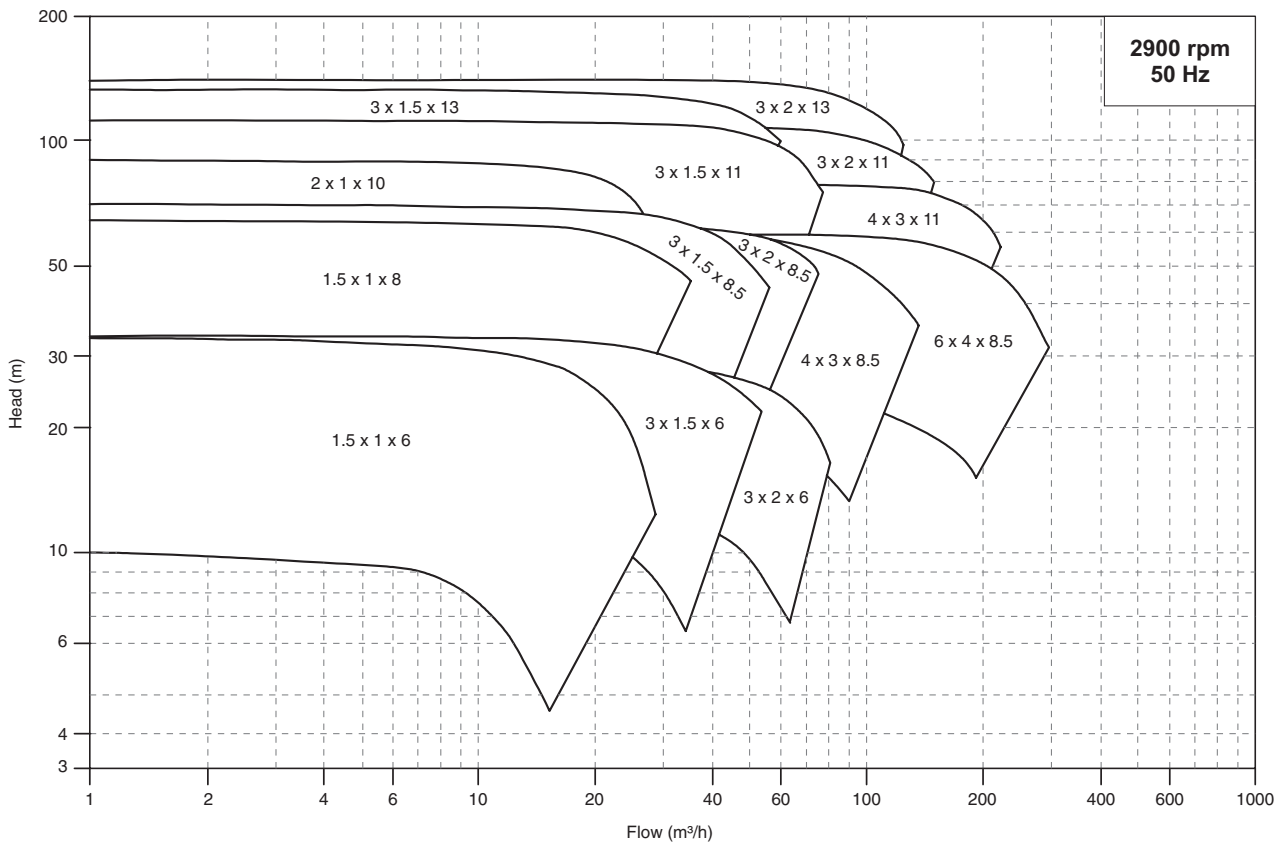
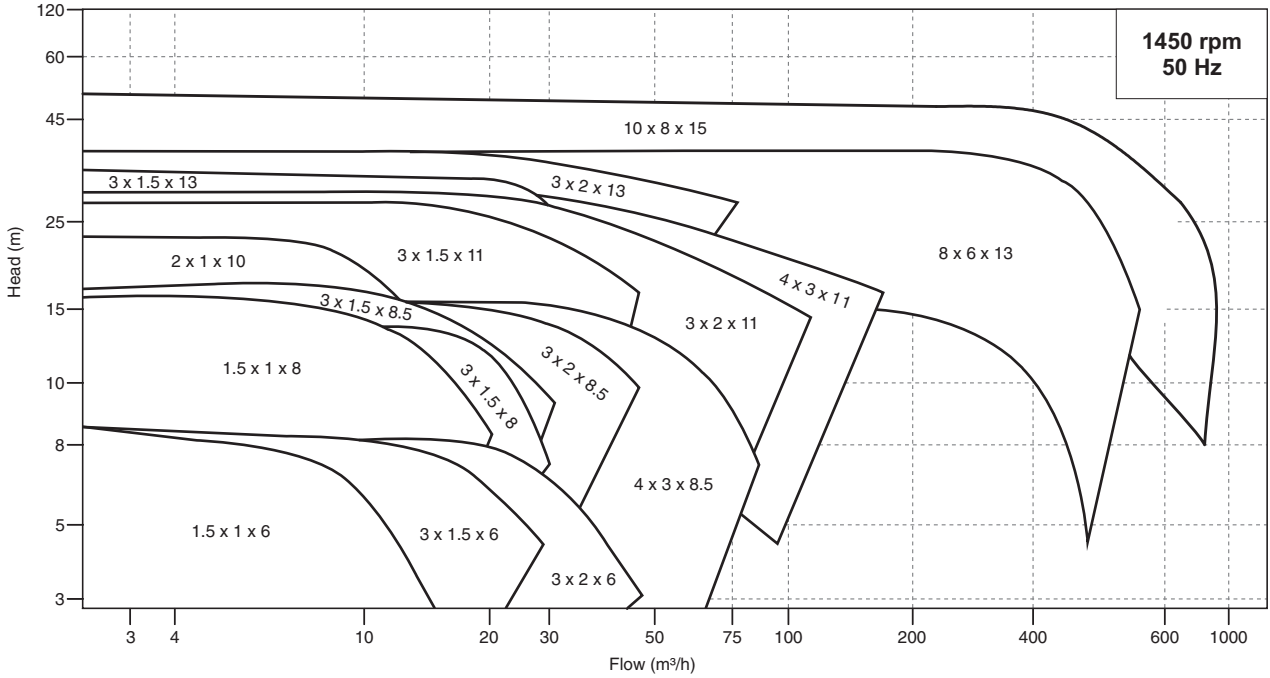
| S. No. | Pump Size - Suction x Discharge / Impeller Sizes (inch) (mm) | Suction Nozzle Dia (mm) | Discharge Nozzle Dia (mm) | Pump Weight (kg) | Maximum Power (kW) | Maximum Working Pressure (Bar) | Maximum Flow Rate (m ³ /hr) | Maximum Total Head (m) | Maximum Suspended / Solid Size (mm) |
|--------|--|-------------------------|---------------------------|------------------|--------------------|--------------------------------|--|------------------------|-------------------------------------|
| 1 | 1.5 x 1 x 6 (40 x 25 x 150) | 40 | 25 | 40 | 0.4 | 0.8 | 14 | 8.2 | 5.8 |
| 2 | 3 x 1.5 x 6 (80 x 40 x 150) | 80 | 40 | 45 | 0.8 | 0.8 | 28.5 | 8 | 9.1 |
| 3 | 3 x 2 x 6 (80 x 50 x 150) | 80 | 50 | 46 | 0.7 | 0.8 | 44 | 7.8 | 16.4 |
| 4 | 1.5 x 1 x 8 (40 x 25 x 200) | 40 | 25 | 46.5 | 1.1 | 1.6 | 21 | 16.1 | 5.3 |
| 5 | 3 x 1.5 x 8 (80 x 40 x 200) | 80 | 40 | 50.5 | 1.3 | 1.4 | 29 | 14.3 | 10.3 |
| 6 | 3 x 1.5 x 8.5 (80 x 40 x 215) | 80 | 40 | 102 | 1.7 | 1.7 | 30 | 16.9 | 7.6 |
| 7 | 3 x 2 x 8.5 (80 x 50 x 215) | 80 | 50 | 105 | 2.5 | 1.5 | 45 | 15.8 | 9.3 |
| 8 | 4 x 3 x 8.5 (100 x 80 x 215) | 100 | 80 | 114 | 3.8 | 1.5 | 86 | 15.6 | 18 |
| 9 | 2 x 1 x 10 (50 x 25 x 250) | 50 | 25 | 115 | 1.8 | 2.4 | 14.5 | 24 | 5.4 |
| 10 | 3 x 1.5 x 11 (80 x 40 x 280) | 80 | 40 | 128 | 3.9 | 2.7 | 45 | 27.9 | 8.5 |
| 11 | 3 x 2 x 11 (80 x 50 x 280) | 80 | 50 | 128 | 6.9 | 2.8 | 110 | 28.7 | 14.1 |
| 12 | 4 x 3 x 11 (100 x 80 x 280) | 100 | 80 | 136 | 11.1 | 2.9 | 170 | 29.3 | 21.9 |
| 13 | 3 x 1.5 x 13 (80 x 40 x 330) | 80 | 40 | 137 | 9.0 | 3.2 | 34 | 32.4 | 3.8 |
| 14 | 3 x 2 x 13 (80 x 50 x 330) | 80 | 50 | 145 | 9.8 | 3.8 | 78 | 38.6 | 13.8 |
| 15 | 4 x 3 x 13 (100 x 80 x 330) | 100 | 80 | 163 | 18.0 | 3.9 | 143 | 39.7 | 15.5 |
| 16 | 6 x 4 x 13 (150 x 100 x 330) | 150 | 100 | 160.3 | 25.9 | 3.8 | 420 | 39 | 26.5 |
| 17 | 8 x 6 x 13 (200 x 150 x 330) | 200 | 150 | 249 | 67.8 | 4.4 | 670 | 44.5 | 55 |
| 18 | 8 x 6 x 15 (200 x 150 x 380) | 200 | 150 | 324 | 87.7 | 5.0 | 690 | 51.2 | 53.2 |
| 19 | 10 x 8 x 15 (250 x 200 x 380) | 250 | 200 | 359 | 93.0 | 5.1 | 870 | 52.5 | 42 |

OVERALL RANGE & PERFORMANCE DETAILS

At 2900 rpm as per performance curve

| S. No. | Pump Size - Suction x Discharge / Impeller Sizes (inch) (mm) | Suction Nozzle Dia (mm) | Discharge Nozzle Dia (mm) | Pump Weight (kg) | Maximum Power (kW) | Maximum Working Pressure (Bar) | Maximum Flow Rate (m ³ /h) | Maximum Total Head (m) | Maximum Suspended Solid Size (mm) |
|--------|--|-------------------------|---------------------------|------------------|--------------------|--------------------------------|---------------------------------------|------------------------|-----------------------------------|
| 1 | 1.5 x 1 x 6 (40 x 25 x 150) | 40 | 25 | 40 | 3.3 | 3.2 | 28 | 32.8 | 5.8 |
| 2 | 3 x 1.5 x 6 (80 x 40 x 150) | 80 | 40 | 45 | 6.8 | 3.2 | 57 | 32.2 | 9.1 |
| 3 | 3 x 2 x 6 (80 x 50 x 150) | 80 | 50 | 46 | 5.6 | 3.1 | 87 | 31.5 | 16.4 |
| 4 | 1.5 x 1 x 8 (40 x 25 x 200) | 40 | 25 | 46.5 | 8.5 | 6.3 | 40 | 64.4 | 5.8 |
| 5 | 3 x 1.5 x 8 (80 x 40 x 200) | 80 | 40 | 50.5 | 10.6 | 5.7 | 58 | 57.2 | 10.3 |
| 6 | 3 x 1.5 x 8.5 (80 x 40 x 215) | 80 | 40 | 102 | 14.3 | 6.6 | 60 | 67.5 | 7.6 |
| 7 | 3 x 2 x 8.5 (80 x 50 x 215) | 80 | 50 | 105 | 18.4 | 6.2 | 75 | 63.5 | 9.3 |
| 8 | 4 x 3 x 8.5 (100 x 80 x 215) | 100 | 80 | 114 | 22.2 | 6.1 | 158 | 62.6 | 18 |
| 9 | 6 x 4 x 8.5 (150 x 100 x 215) | 150 | 100 | 129 | 35.5 | 5.8 | 290 | 59 | 25 |
| 10 | 2 x 1 x 10 (50 x 25 x 250) | 50 | 25 | 115 | 14.3 | 9.4 | 28 | 96.0 | 5.4 |
| 11 | 3 x 1.5 x 11 (80 x 40 x 280) | 80 | 40 | 128 | 31 | 10.9 | 90 | 111.6 | 8.5 |
| 12 | 3 x 2 x 11 (80 x 50 x 280) | 80 | 50 | 128 | 55.2 | 11.2 | 220 | 114.7 | 14.1 |
| 13 | 4 x 3 x 11 (100 x 80 x 280) | 100 | 80 | 136 | 88.9 | 11.5 | 340 | 117.3 | 21.9 |
| 14 | 3 x 1.5 x 13 (80 x 40 x 330) | 80 | 40 | 137 | 70.9 | 12.7 | 68 | 129.6 | 3.8 |
| 15 | 3 x 2 x 13 (80 x 50 x 330) | 80 | 50 | 145 | 78.2 | 15.1 | 148 | 154.5 | 13.8 |

GROUP PERFORMANCE CURVE



Performance curve tolerances are as per HI : 14.6 / ISO : 9906, Grade 2B

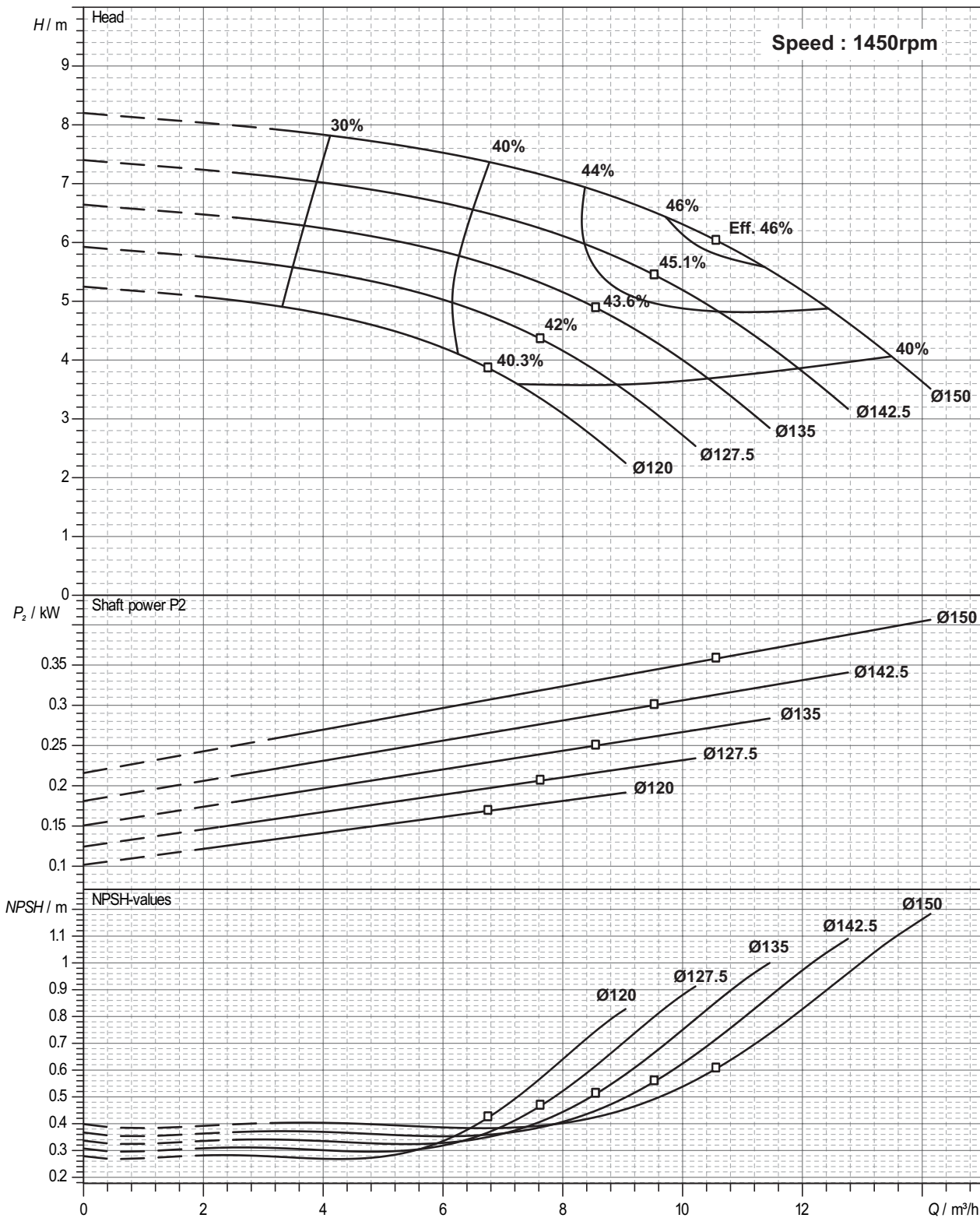
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 1.5 x 1 x 6
(40 x 25 x 150)

Pump Size in mm : 37.5 x 25
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

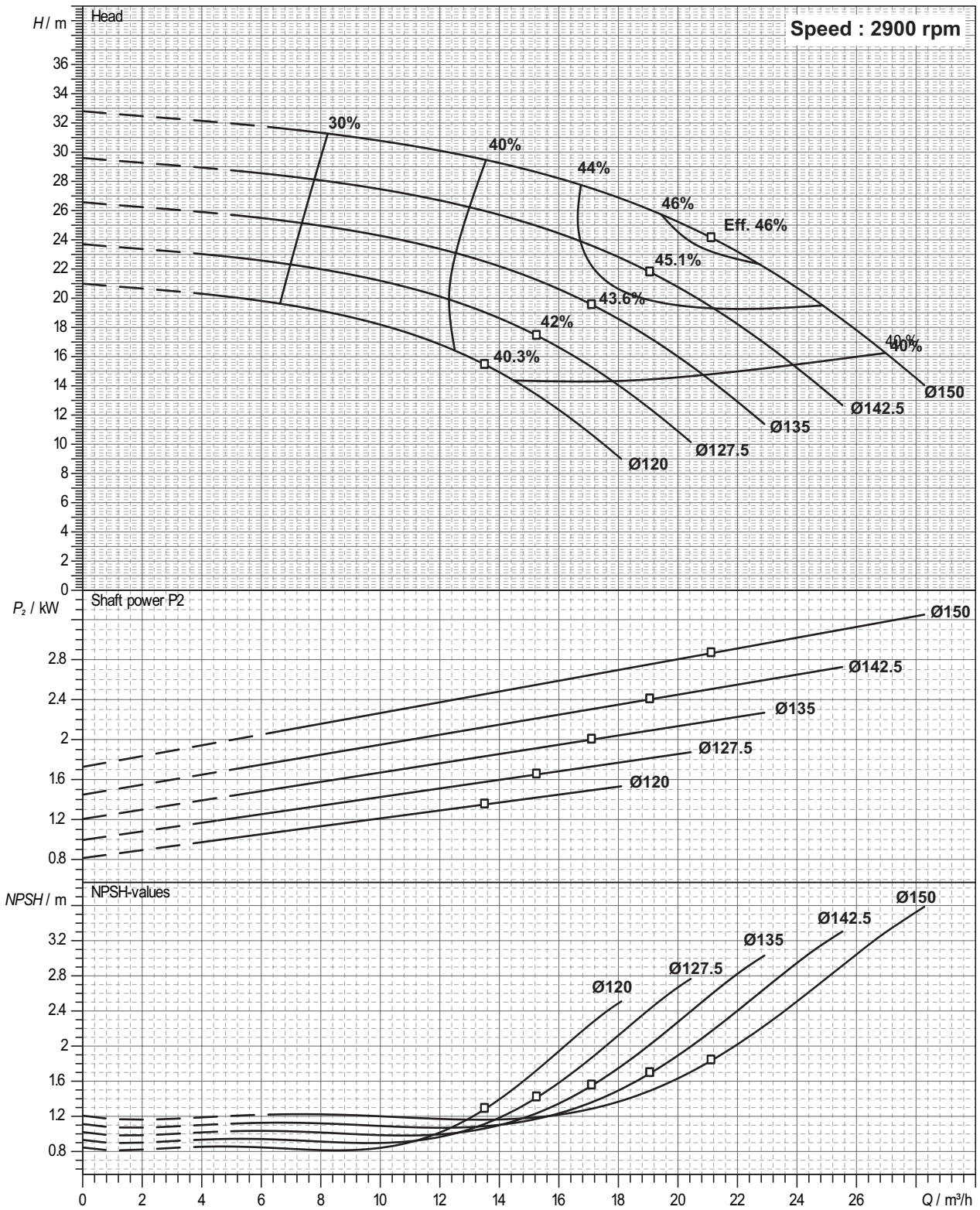
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 1.5 x 1 x 6
(40 x 25 x 150)

Pump Size in mm : 37.5 x 25
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

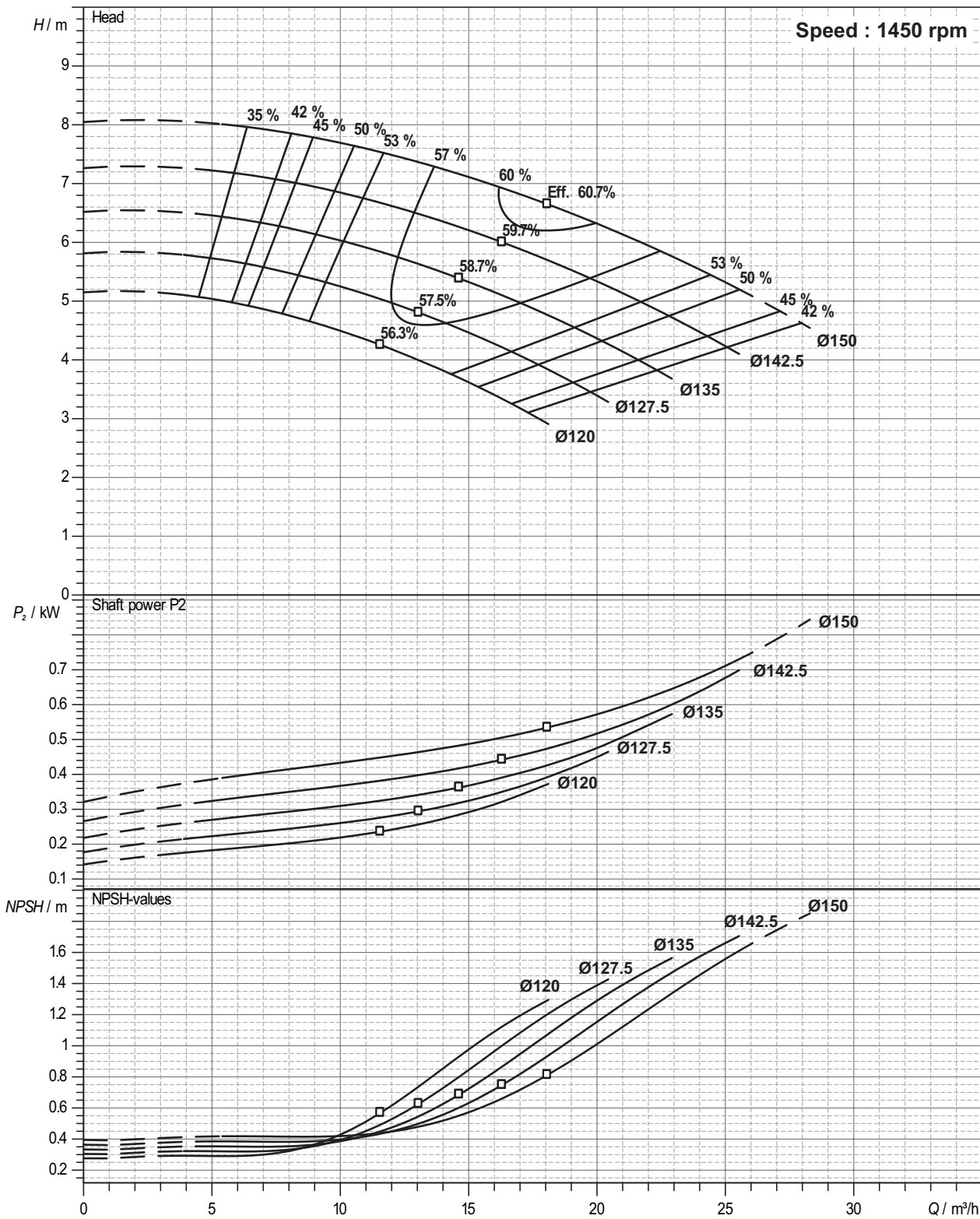
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 1.5 x 6
(80 x 40 x 150)

Pump Size in mm : 75 x 37.5
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice

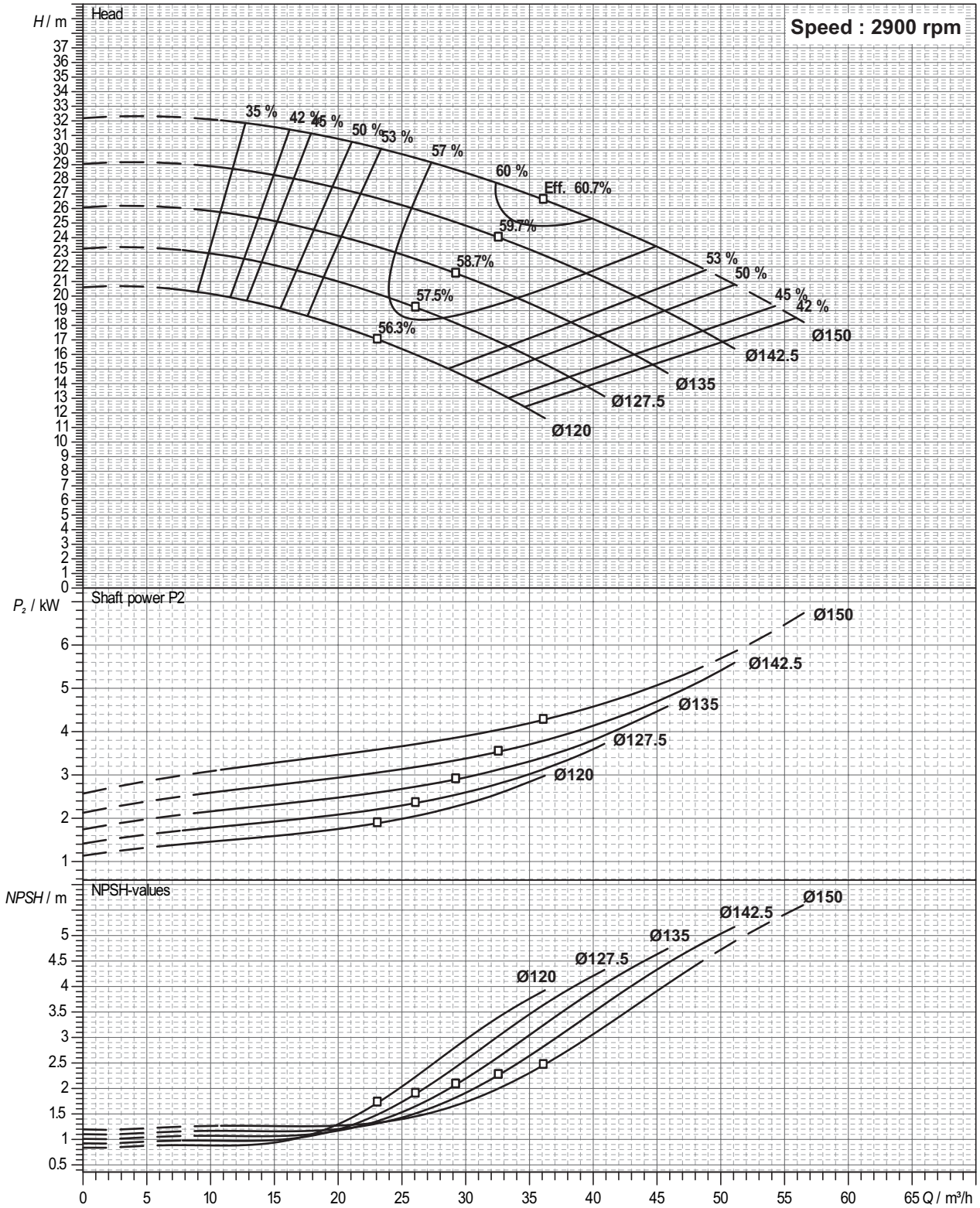


PERFORMANCE CURVE

Pump Model : ECC - 3 x 1.5 x 6
(80 x 40 x 150)

Pump Size in mm : 75 x 37.5
(Suc x Dis)

Speed : 2900 rpm



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

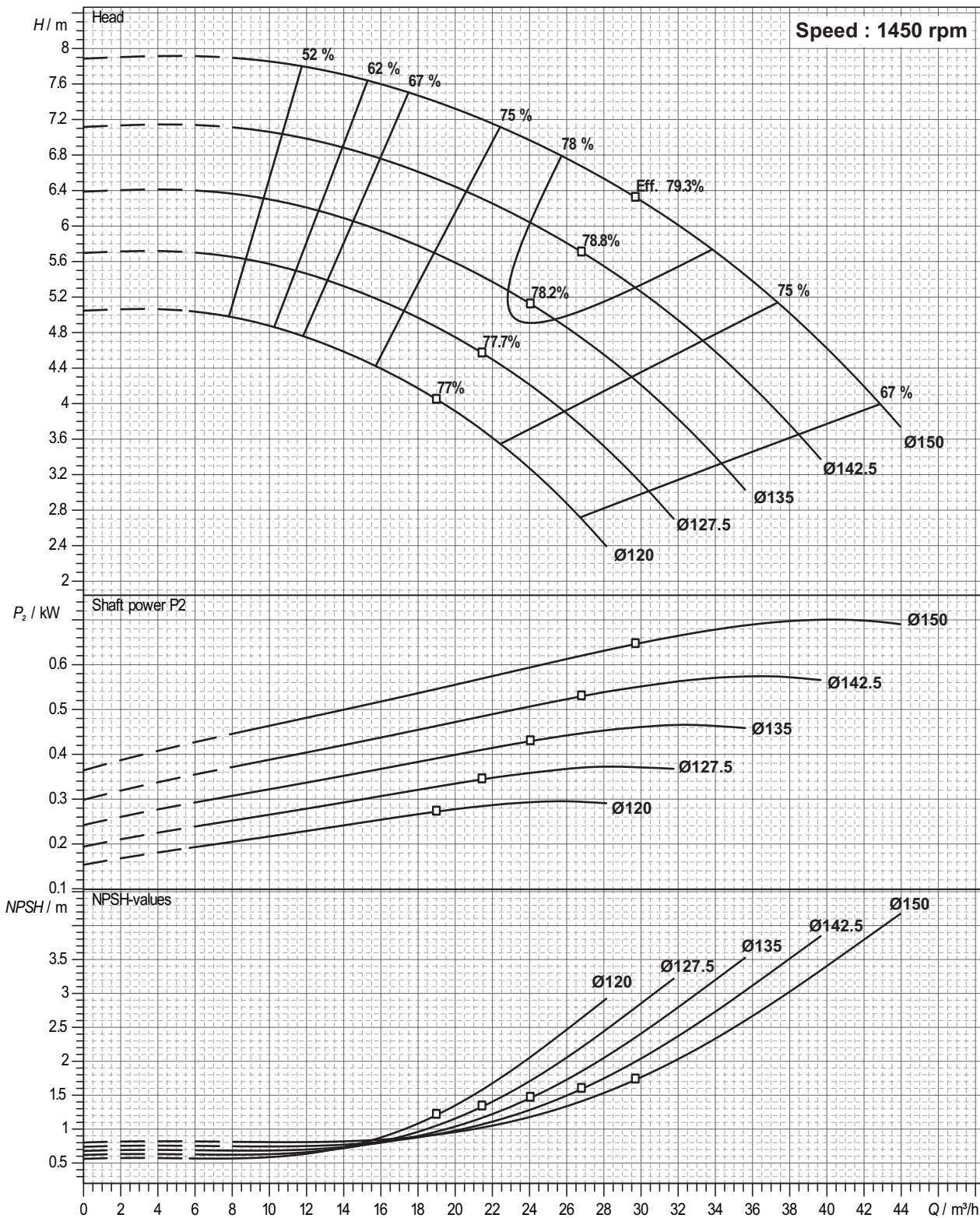
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 2 x 6
(80 x 50 x 150)

Pump Size in mm : 75 x 50
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

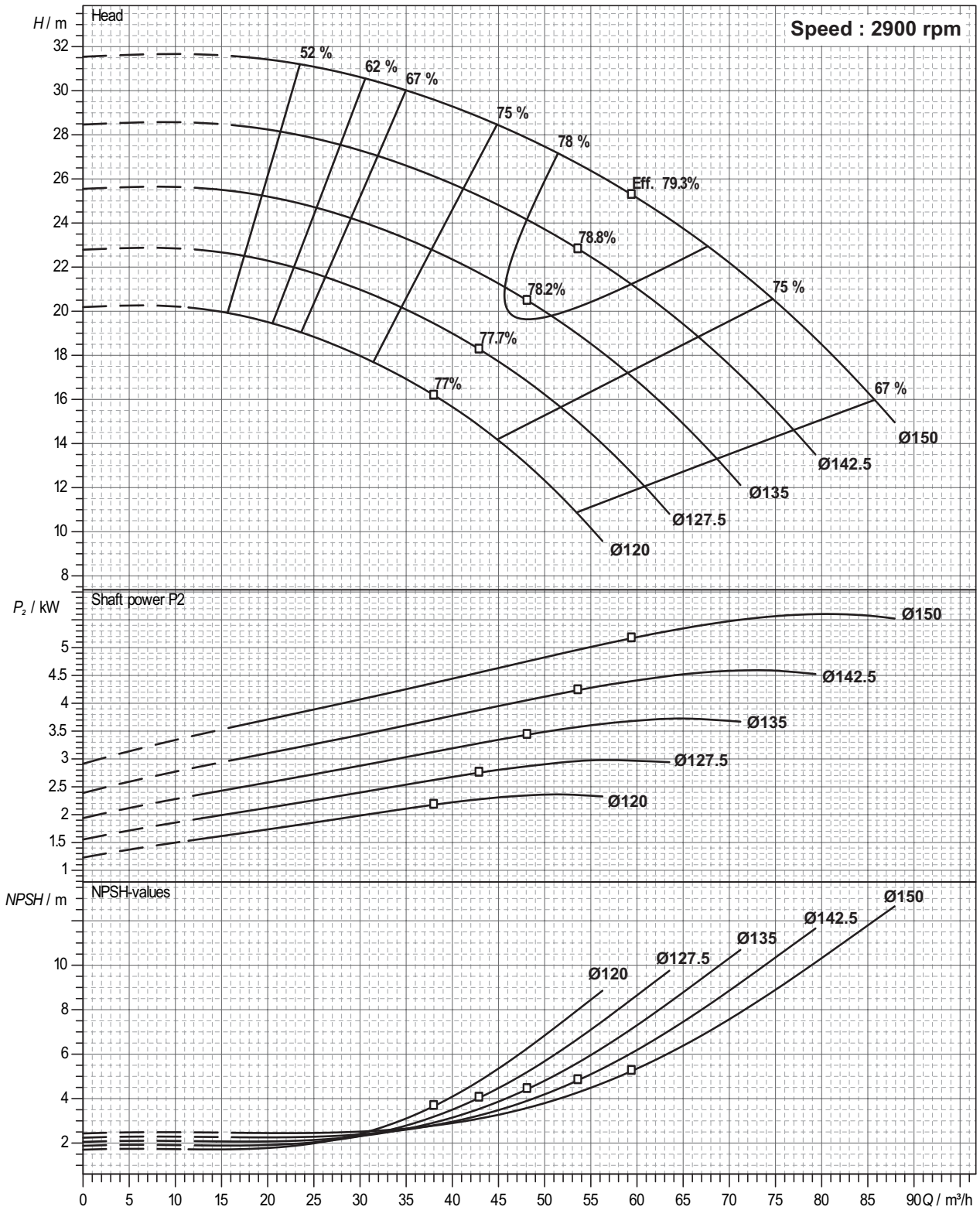
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 2 x 6
(80 x 50 x 150)

Pump Size in mm : 75 x 50
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

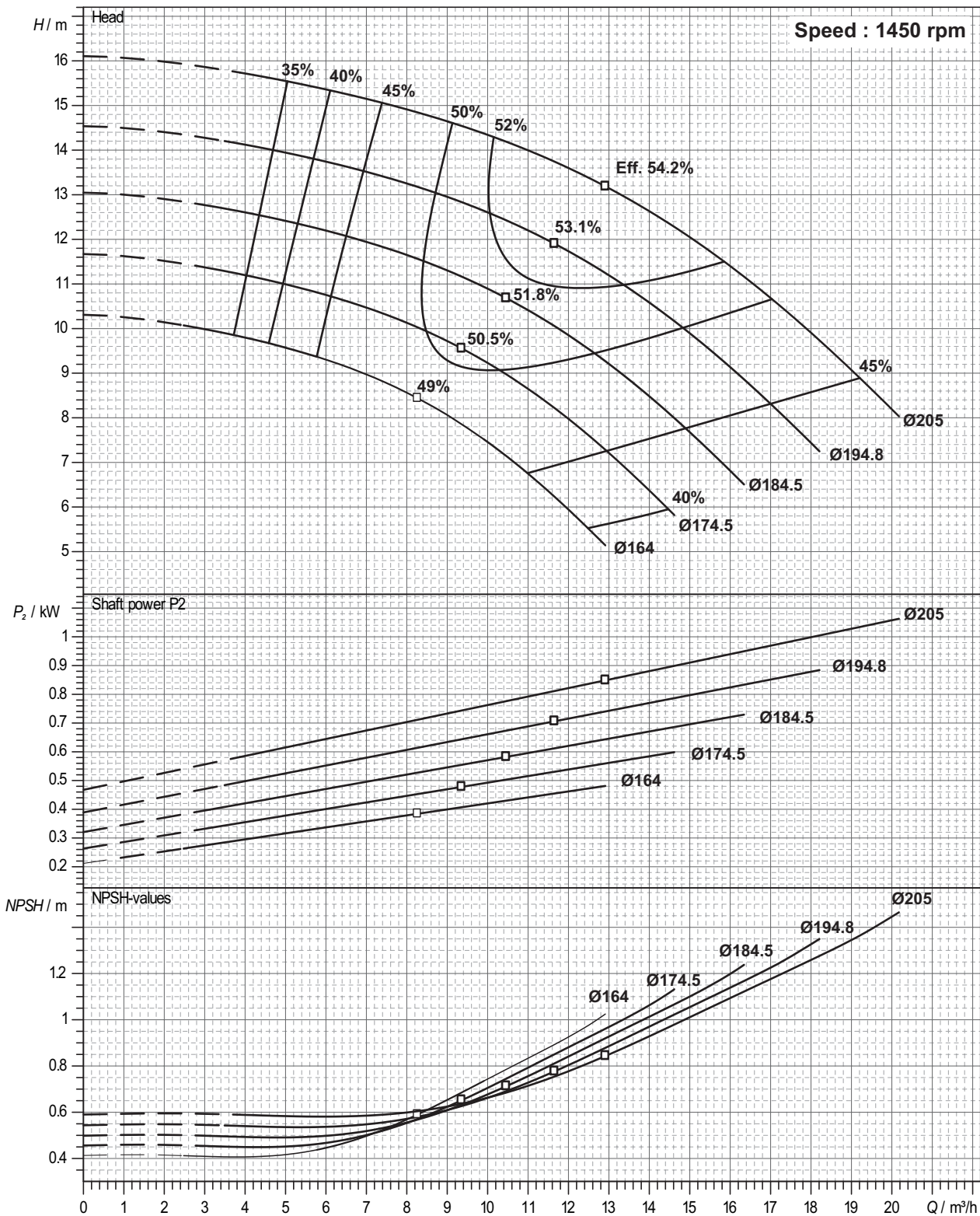
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 1.5 x 1 x 8
(40 x 25 x 200)

Pump Size in mm : 37.5 x 25
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO : 9906, Grade 2B

In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice

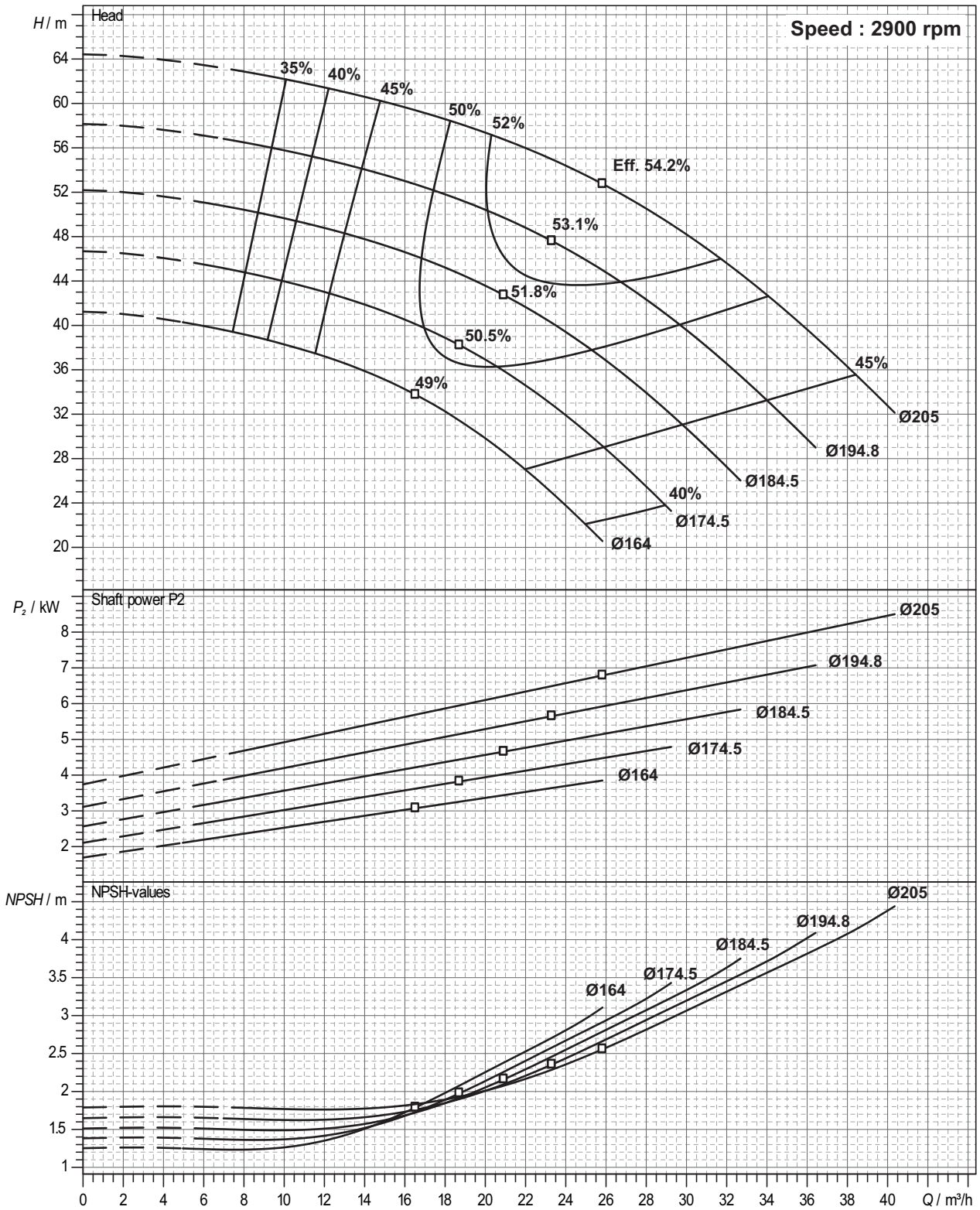


PERFORMANCE CURVE

Pump Model : ECC - 1.5 x 1 x 8
(40 x 25 x 200)

Pump Size in mm : 37.5 x 25
(Suc x Dis)

Speed : 2900 rpm



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

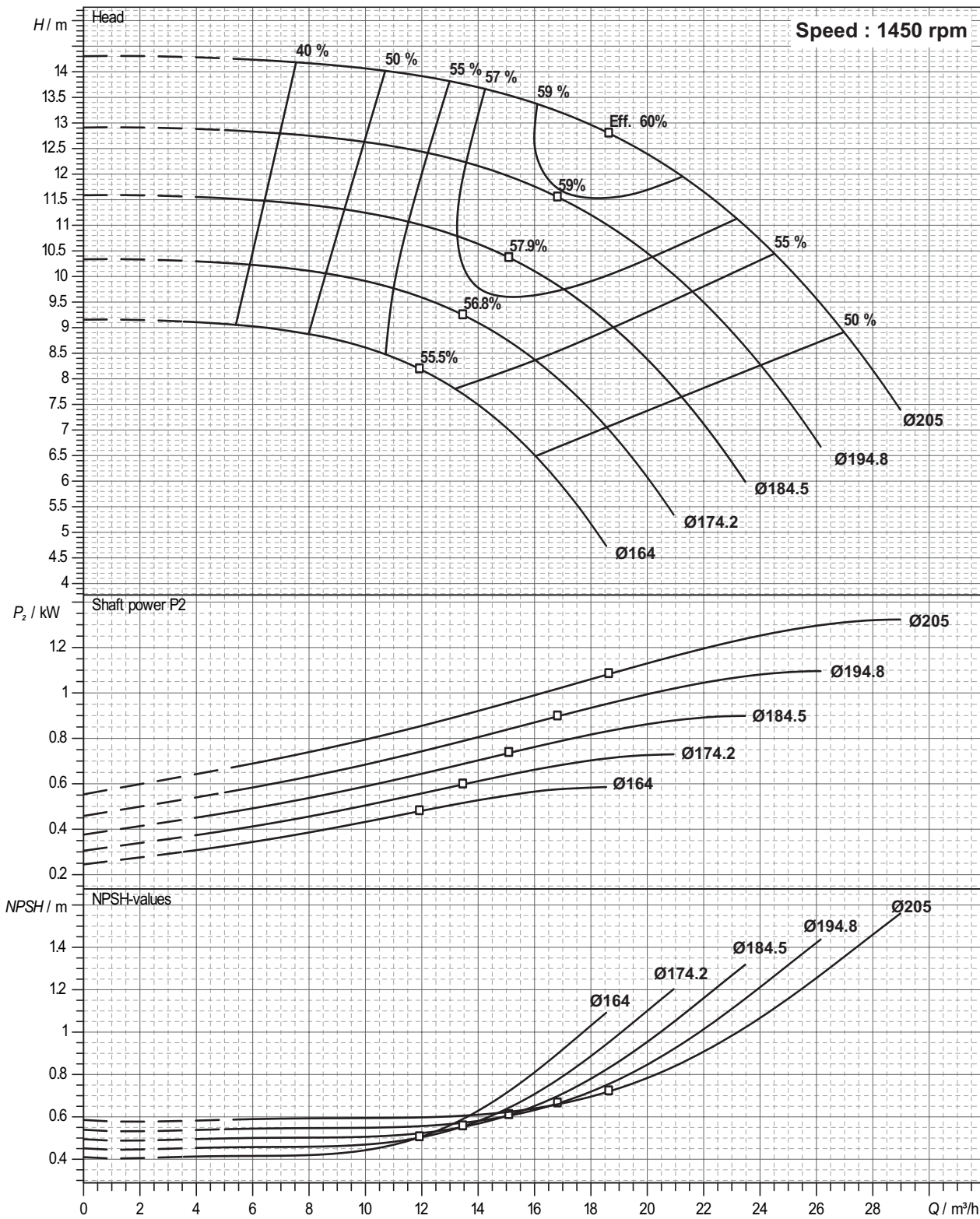
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 1.5 x 8
(80 x 40 x 200)

Pump Size in mm : 75 x 37.5
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

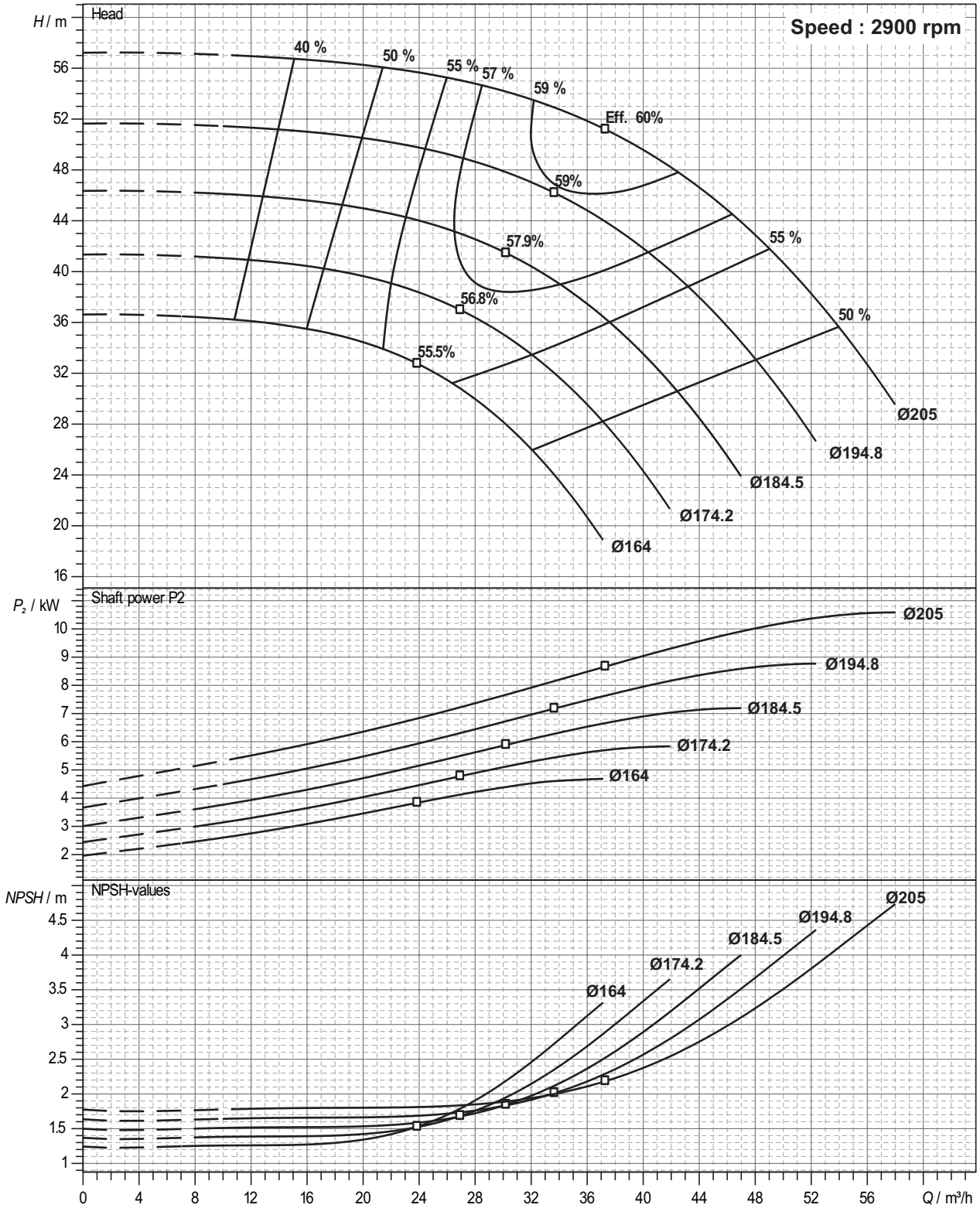
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 1.5 x 8
(80 x 40 x 200)

Pump Size in mm : 75 x 37.5
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

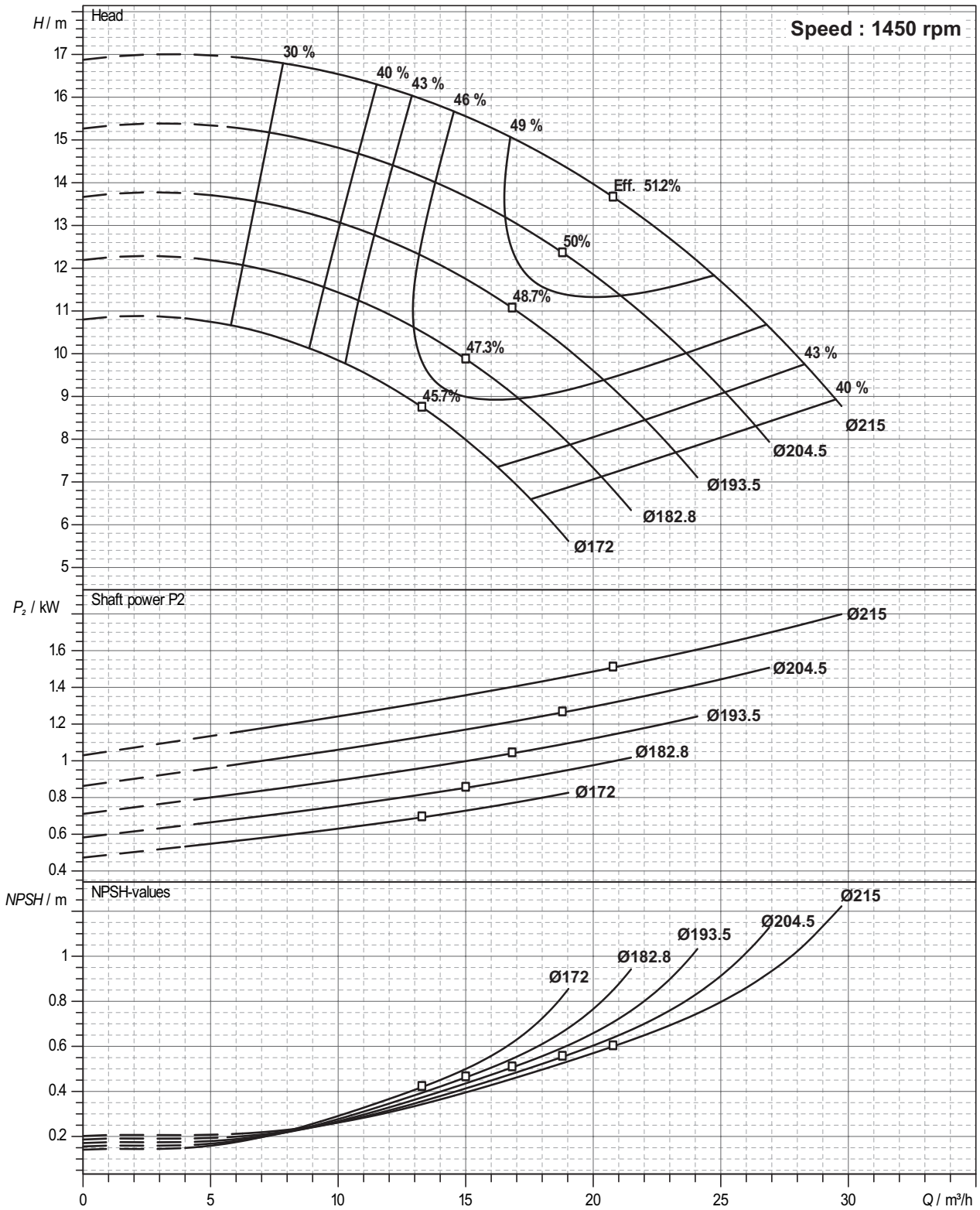
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 1.5 x 8.5
(80 x 40 x 215)

Pump Size in mm : 75 x 37.5
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice

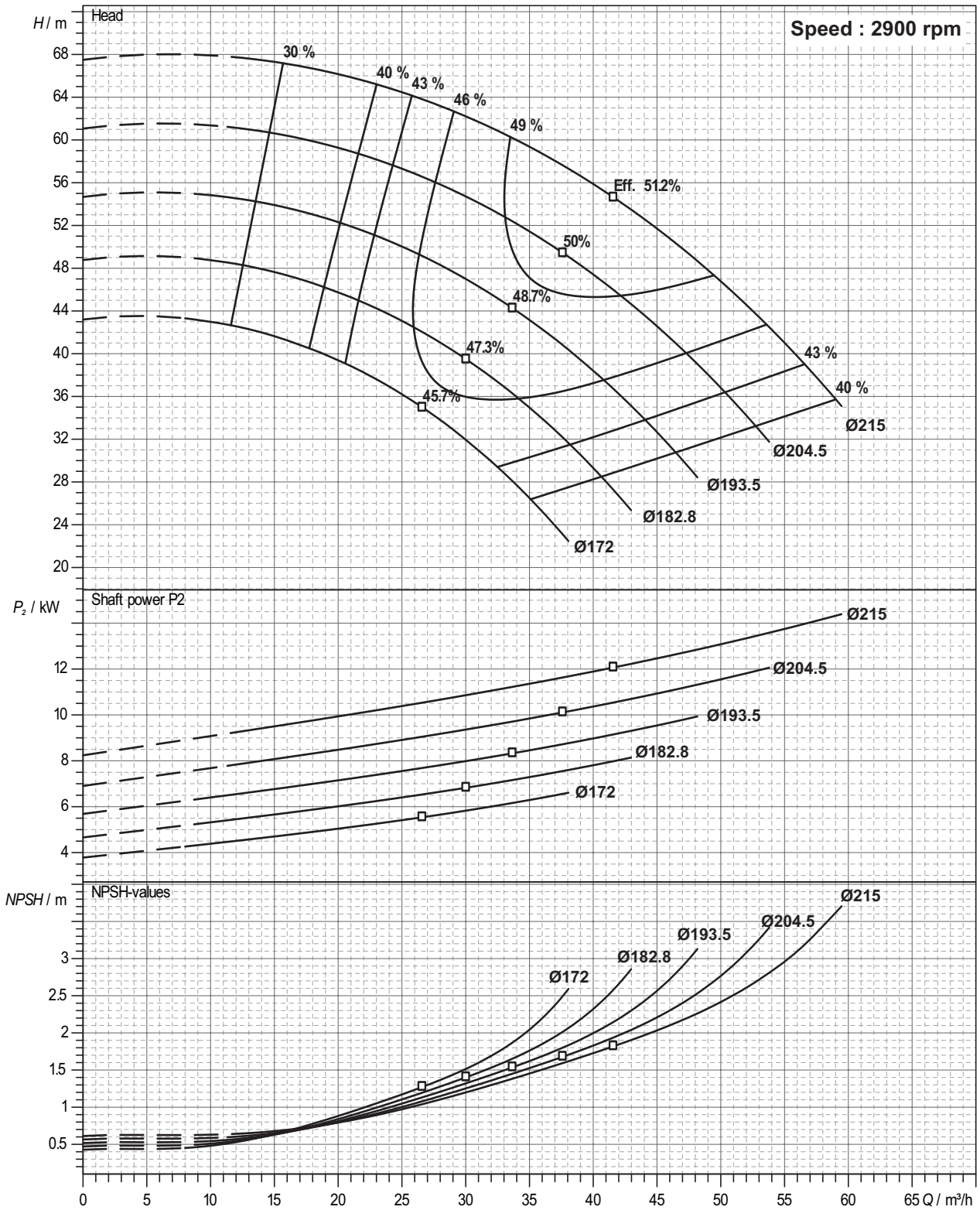


PERFORMANCE CURVE

Pump Model : ECC - 3 x 1.5 x 8.5
(80 x 40 x 215)

Pump Size in mm : 75 x 37.5
(Suc x Dis)

Speed : 2900 rpm



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

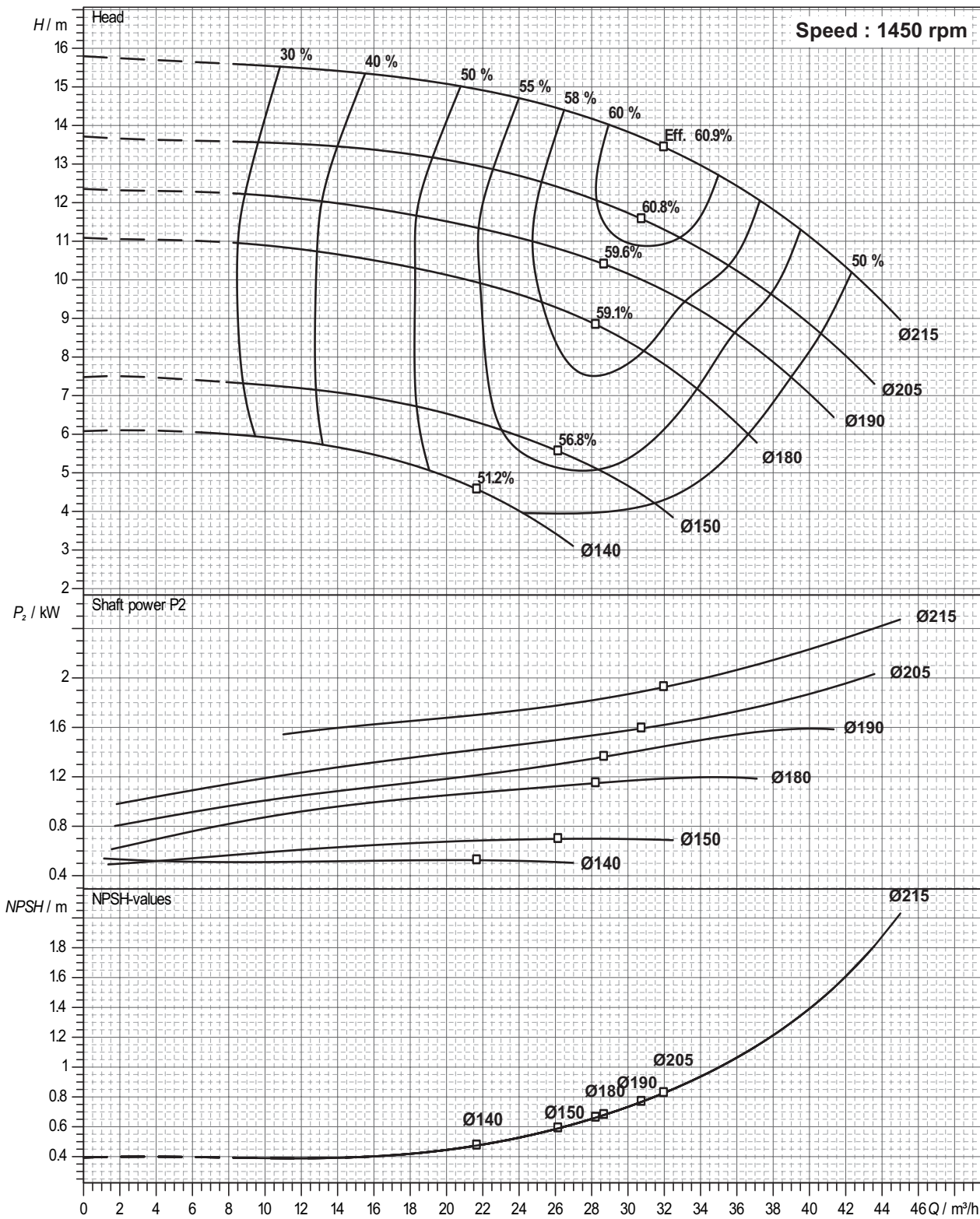
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 2 x 8.5
(80 x 50 x 215)

Pump Size in mm : 75 x 50
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

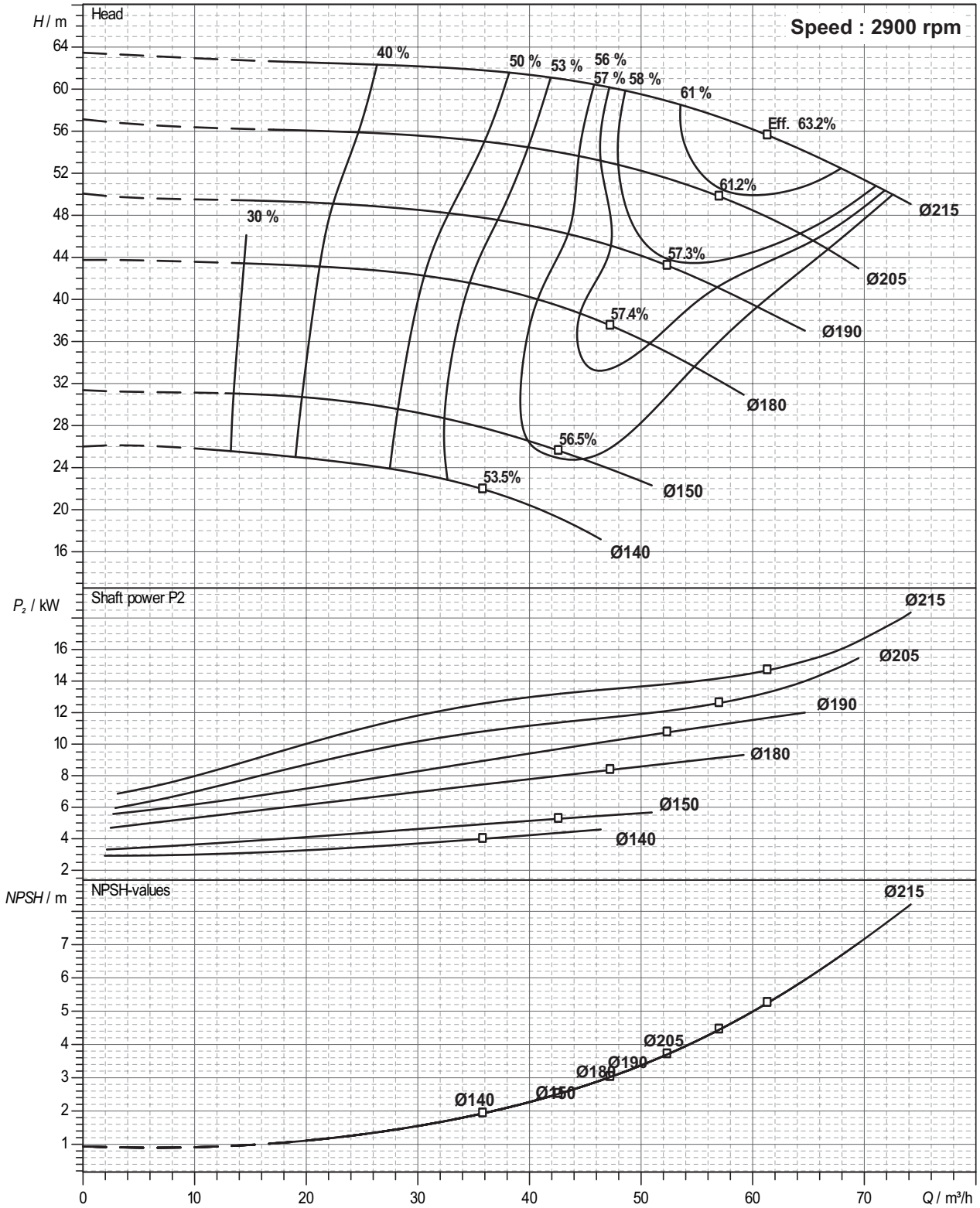
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 2 x 8.5
(80 x 50 x 215)

Pump Size in mm : 75 x 50
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

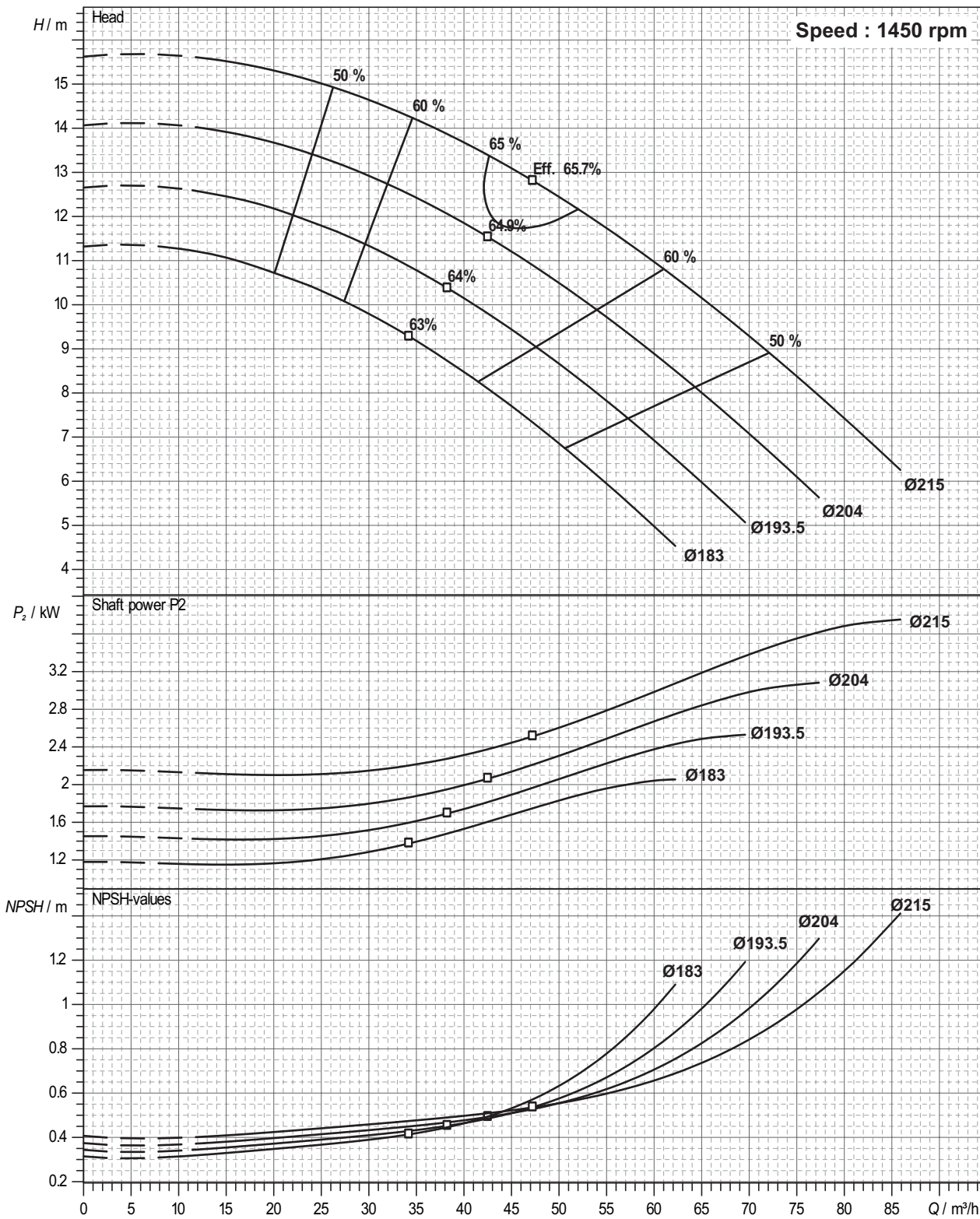
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 4 x 3 x 8.5
(100 x 80 x 215)

Pump Size in mm : 100 x 75
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice

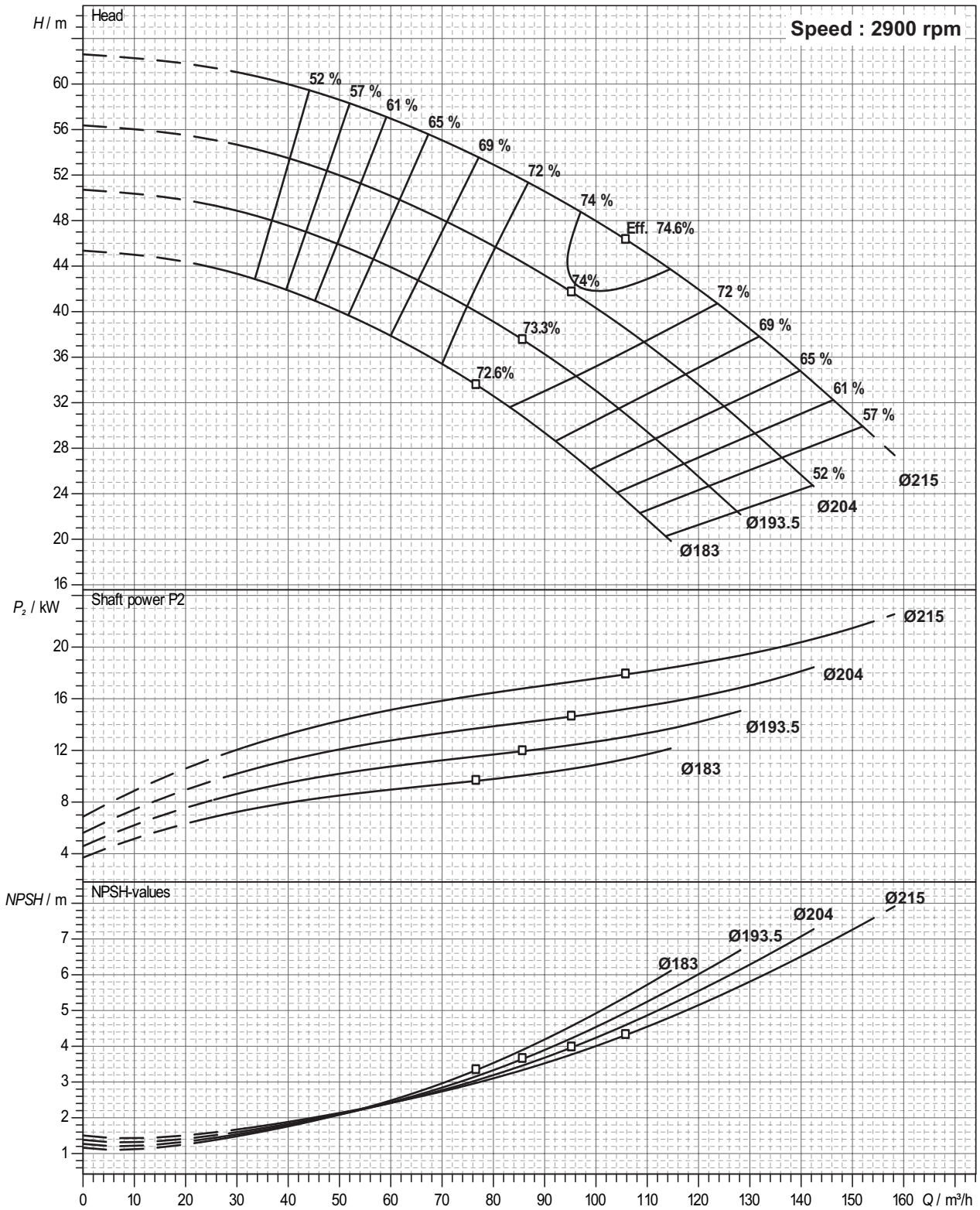


PERFORMANCE CURVE

Pump Model : ECC - 4 x 3 x 8.5
(100 x 80 x 215)

Pump Size in mm : 100 x 75
(Suc x Dis)

Speed : 2900 rpm



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

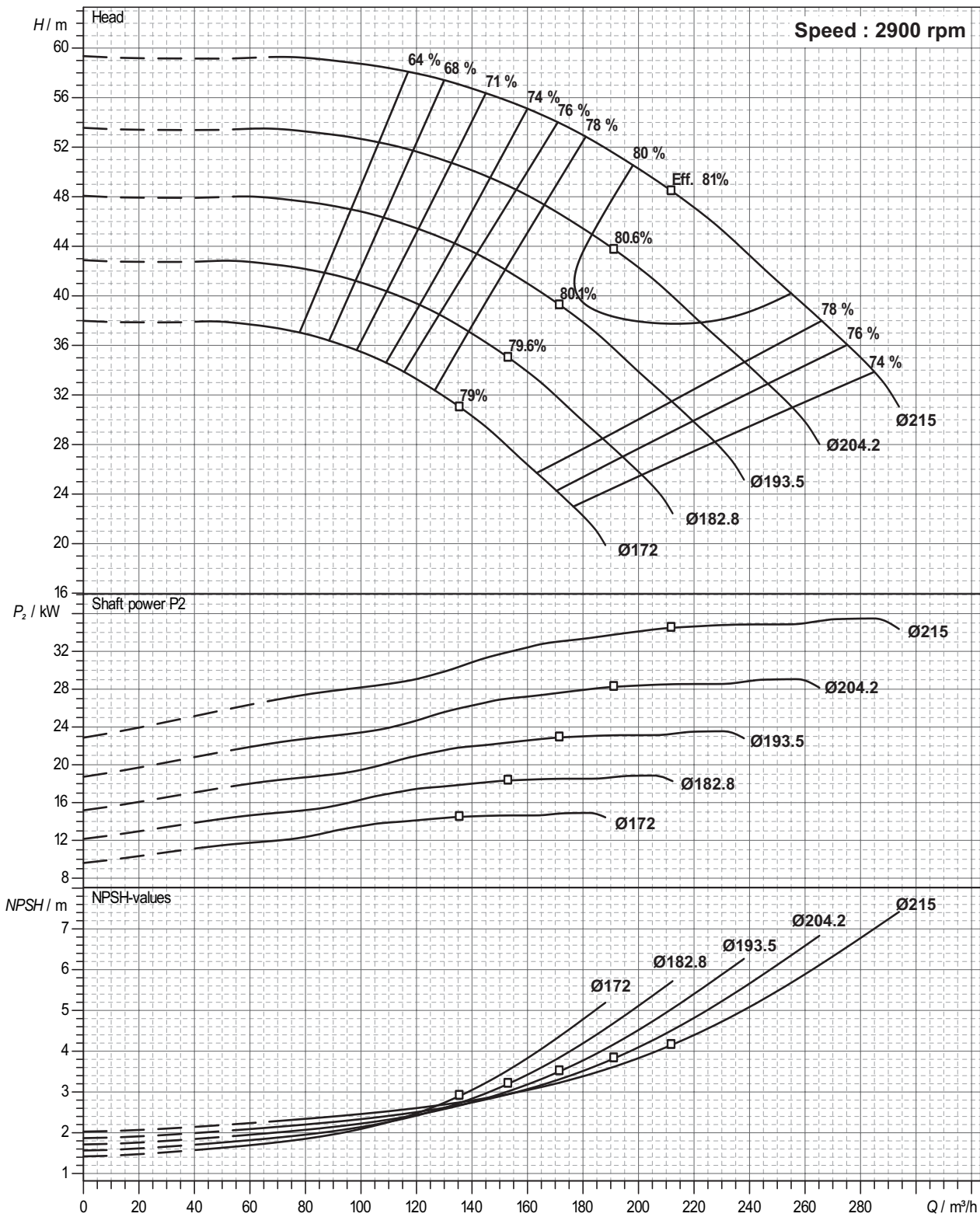
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 6 x 4 x 8.5
(150 x 100 x 212.5)

Pump Size in mm : 150 x 100
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

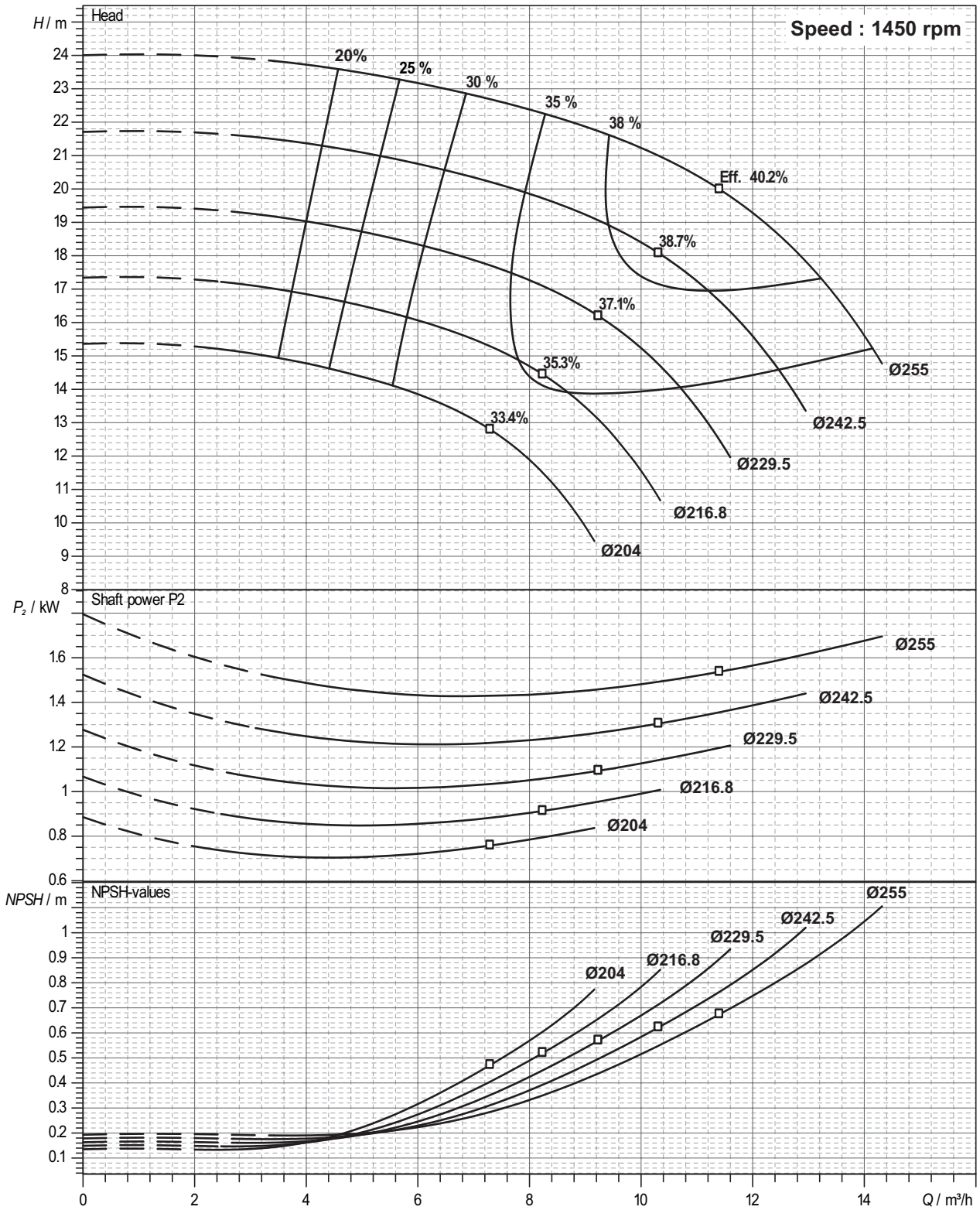
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 2 x 1 x 10
(50 x 25 x 250)

Pump Size in mm : 50 x 25
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

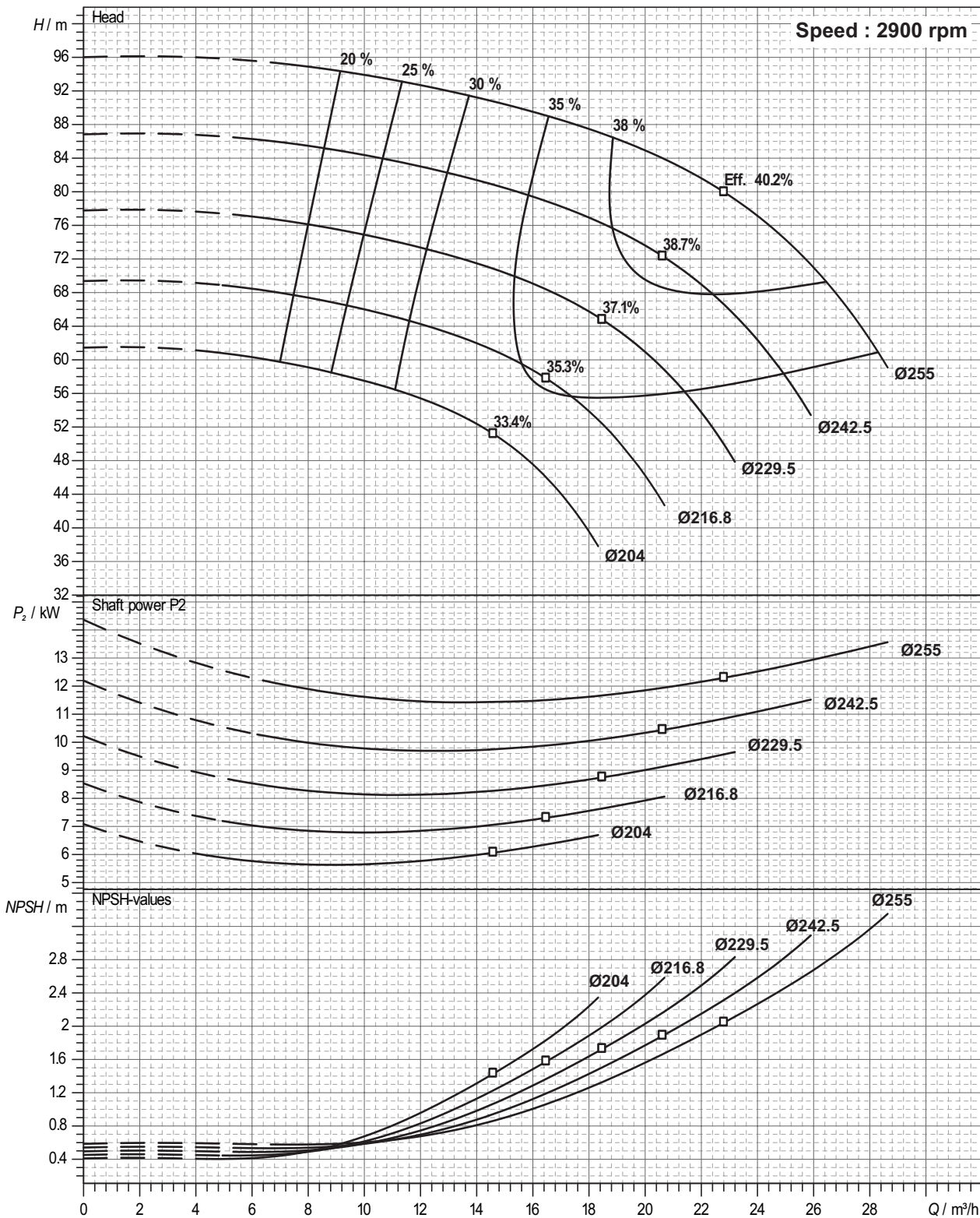
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 2 x 1 x 10
(50 x 25 x 250)

Pump Size in mm : 50 x 25
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO : 9906, Grade 2B

In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice

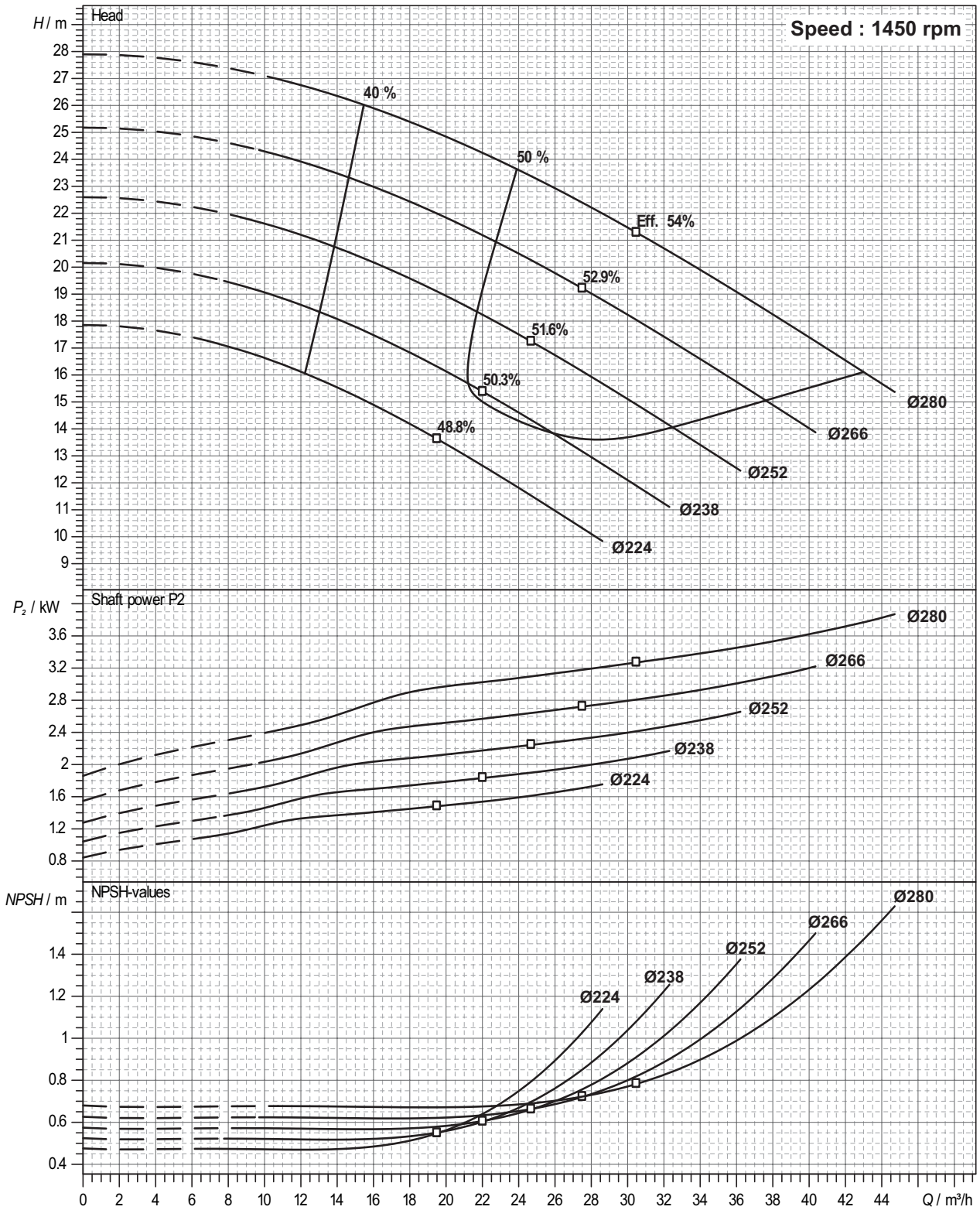


PERFORMANCE CURVE

Pump Model : ECC - 3 x 1.5 x 11
(80 x 40 x 280)

Pump Size in mm : 75 x 37.5
(Suc x Dis)

Speed : 1450 rpm



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

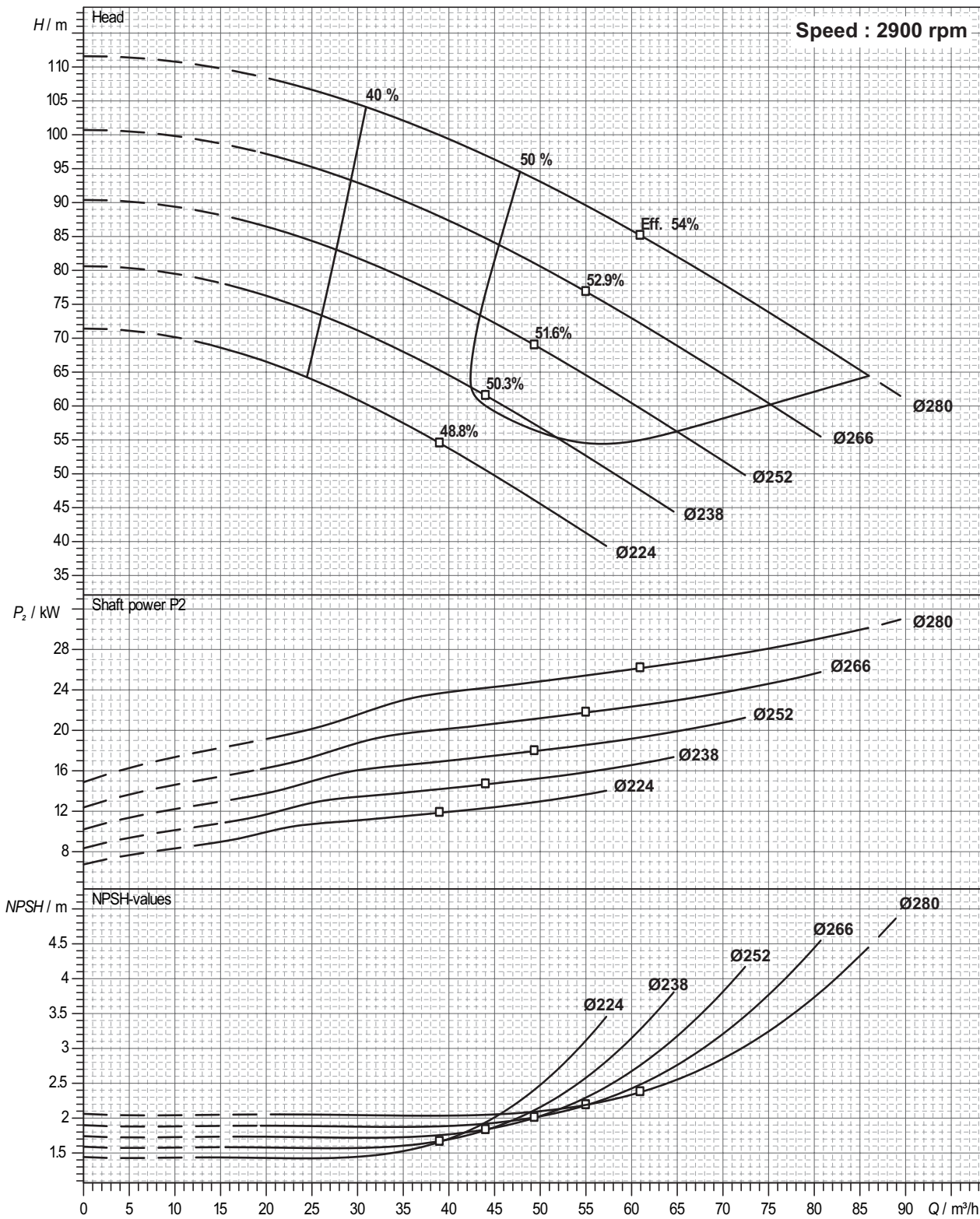
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 1.5 x 11
(80 x 40 x 280)

Pump Size in mm : 75 x 37.5
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

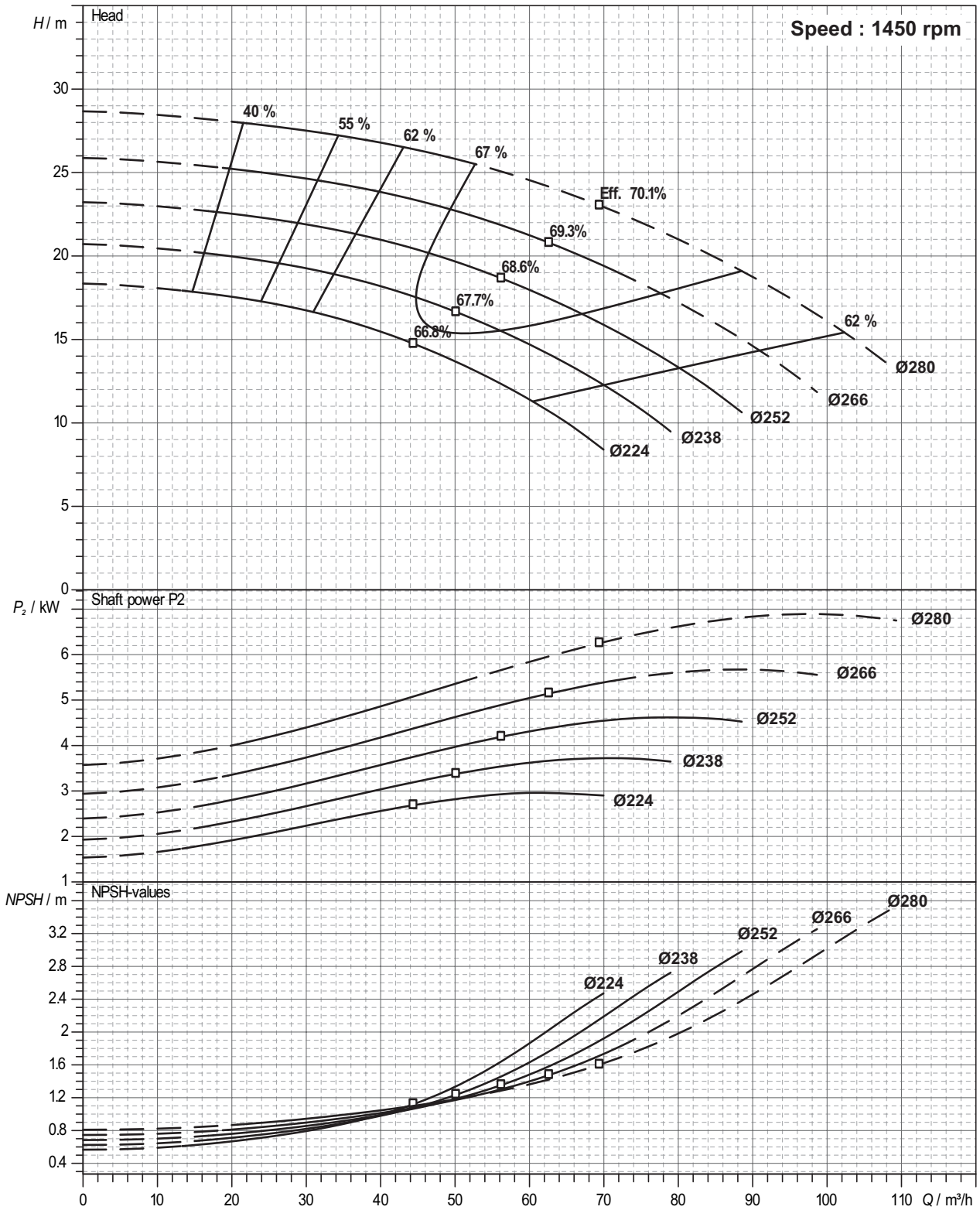
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 2 x 11
(80 x 50 x 280)

Pump Size in mm : 75 x 50
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

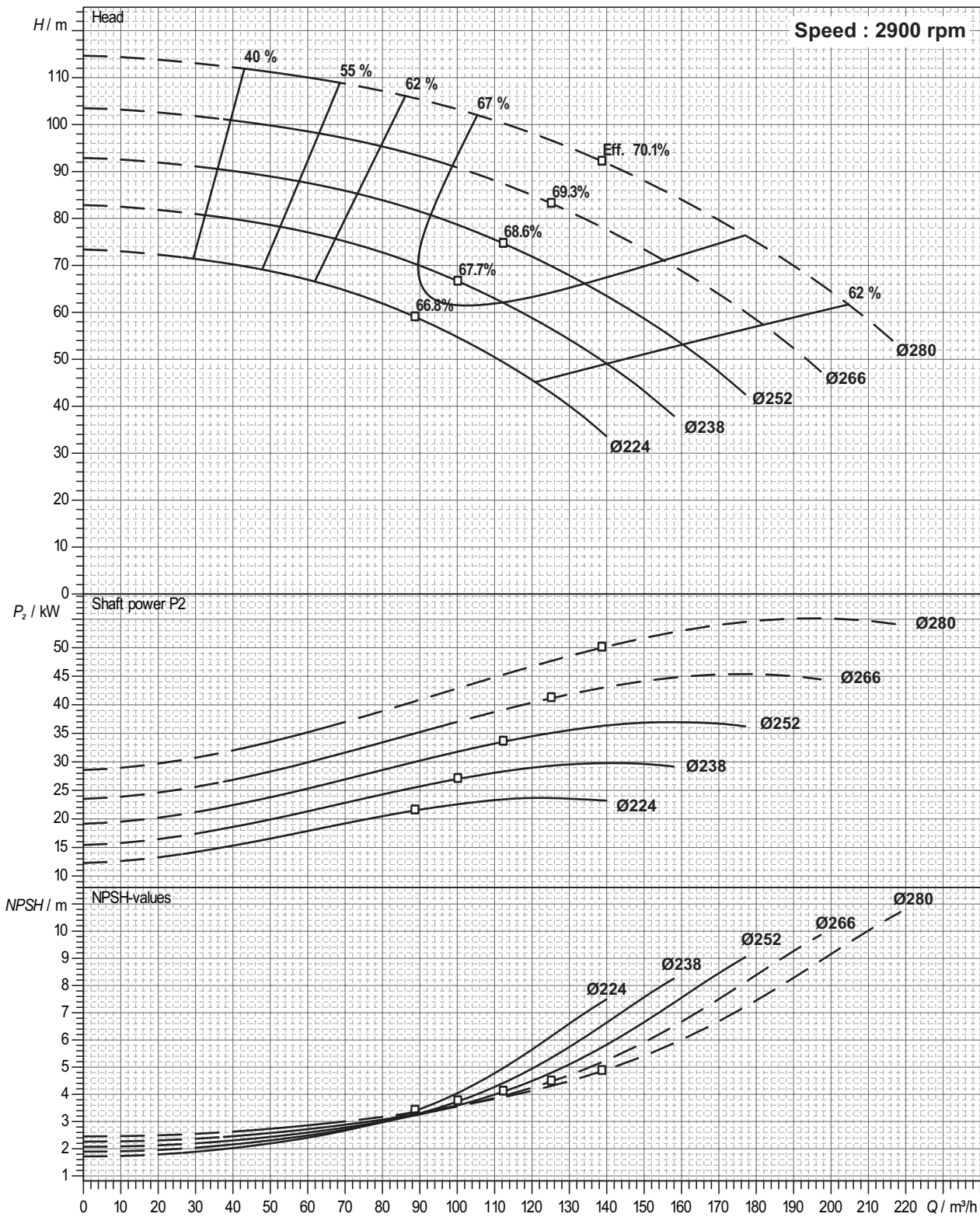
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 2 x 11
(80 x 50 x 280)

Pump Size in mm : 75 x 50
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice

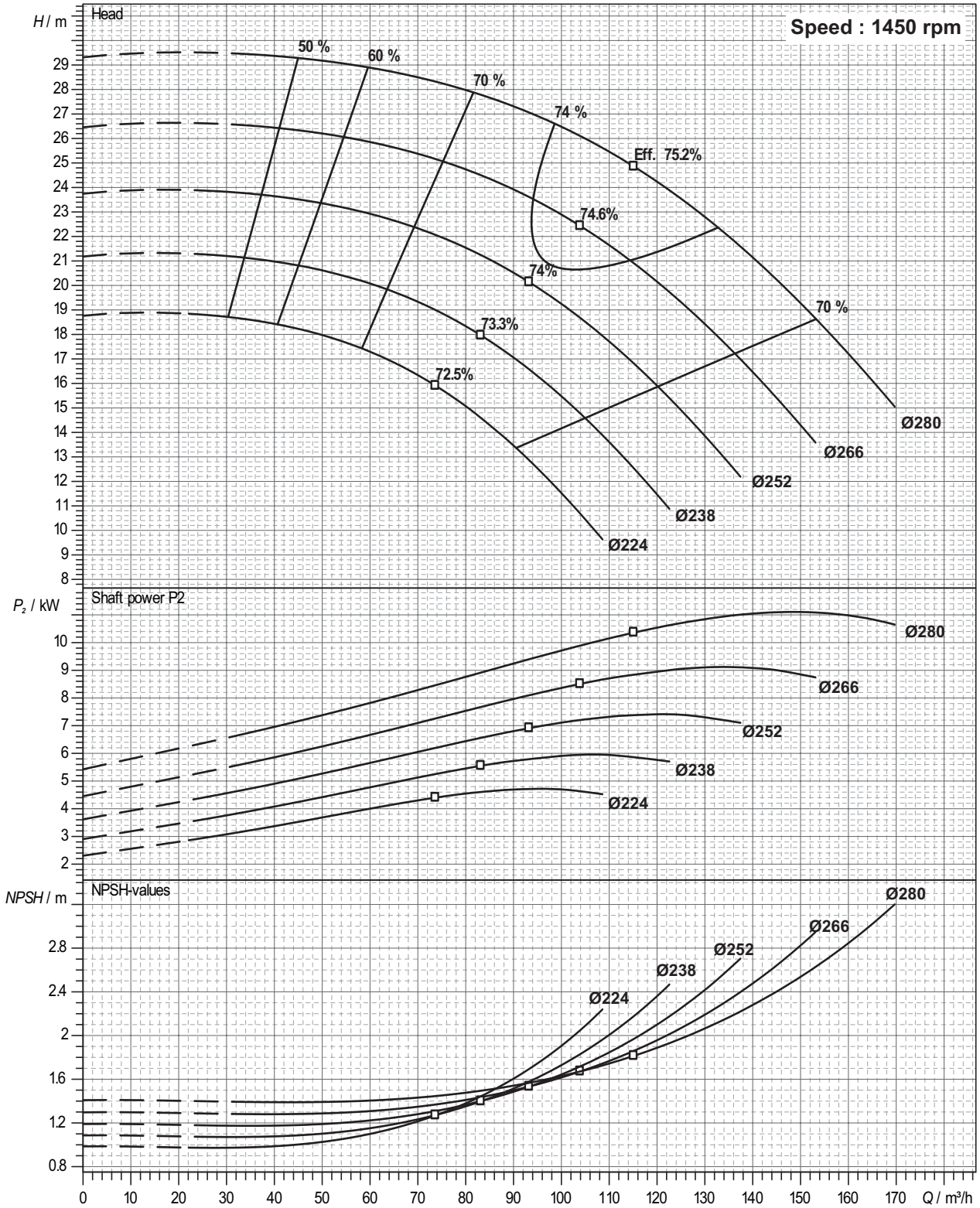


PERFORMANCE CURVE

Pump Model : ECC - 4 x 3 x 11
(100 x 80 x 280)

Pump Size in mm : 100 x 75
(Suc x Dis)

Speed : 1450 rpm



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

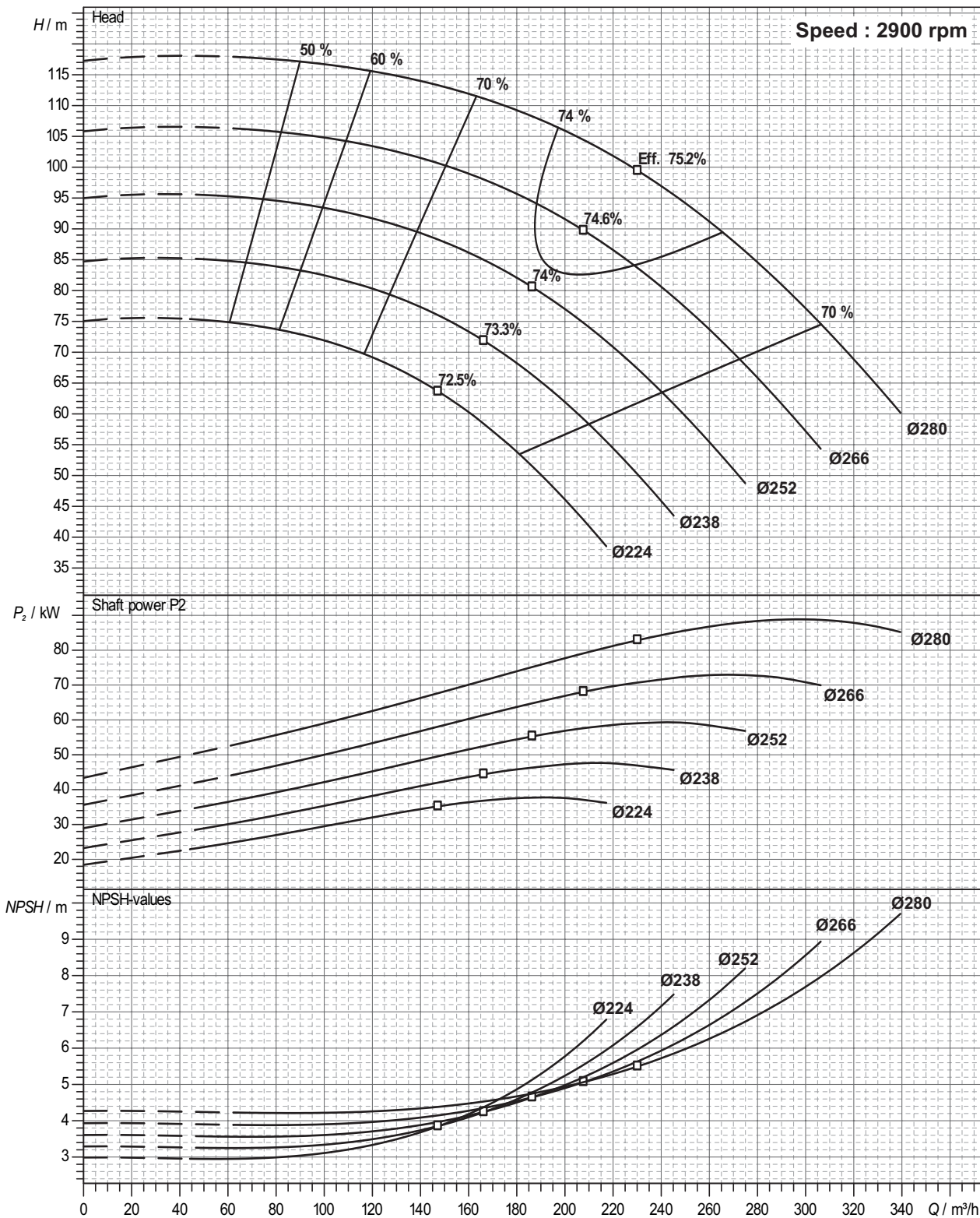
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 4 x 3 x 11
(100 x 80 x 280)

Pump Size in mm : 100 x 75
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

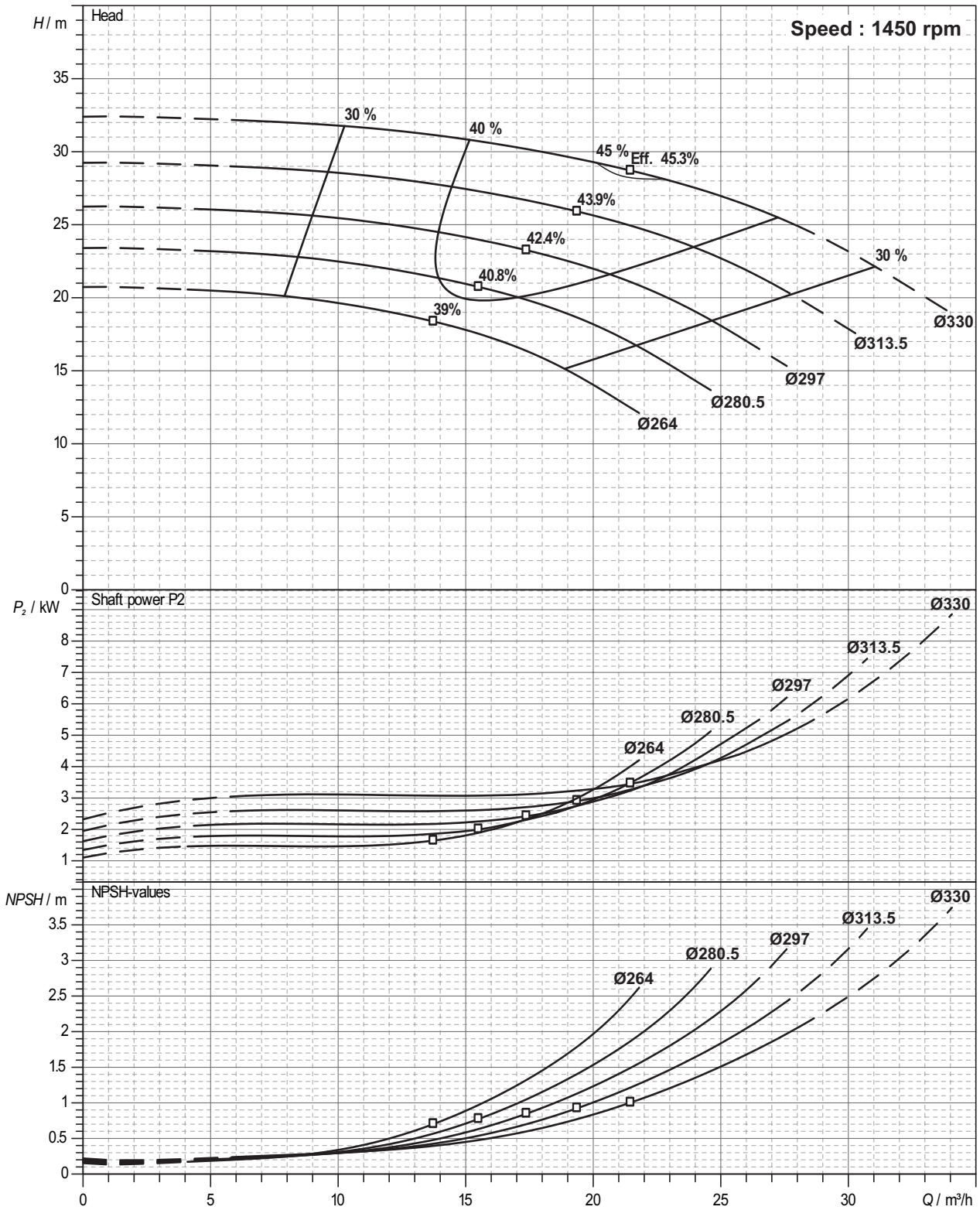
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 1.5 x 13
(80 x 40 x 330)

Pump Size in mm : 75 x 37.5
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

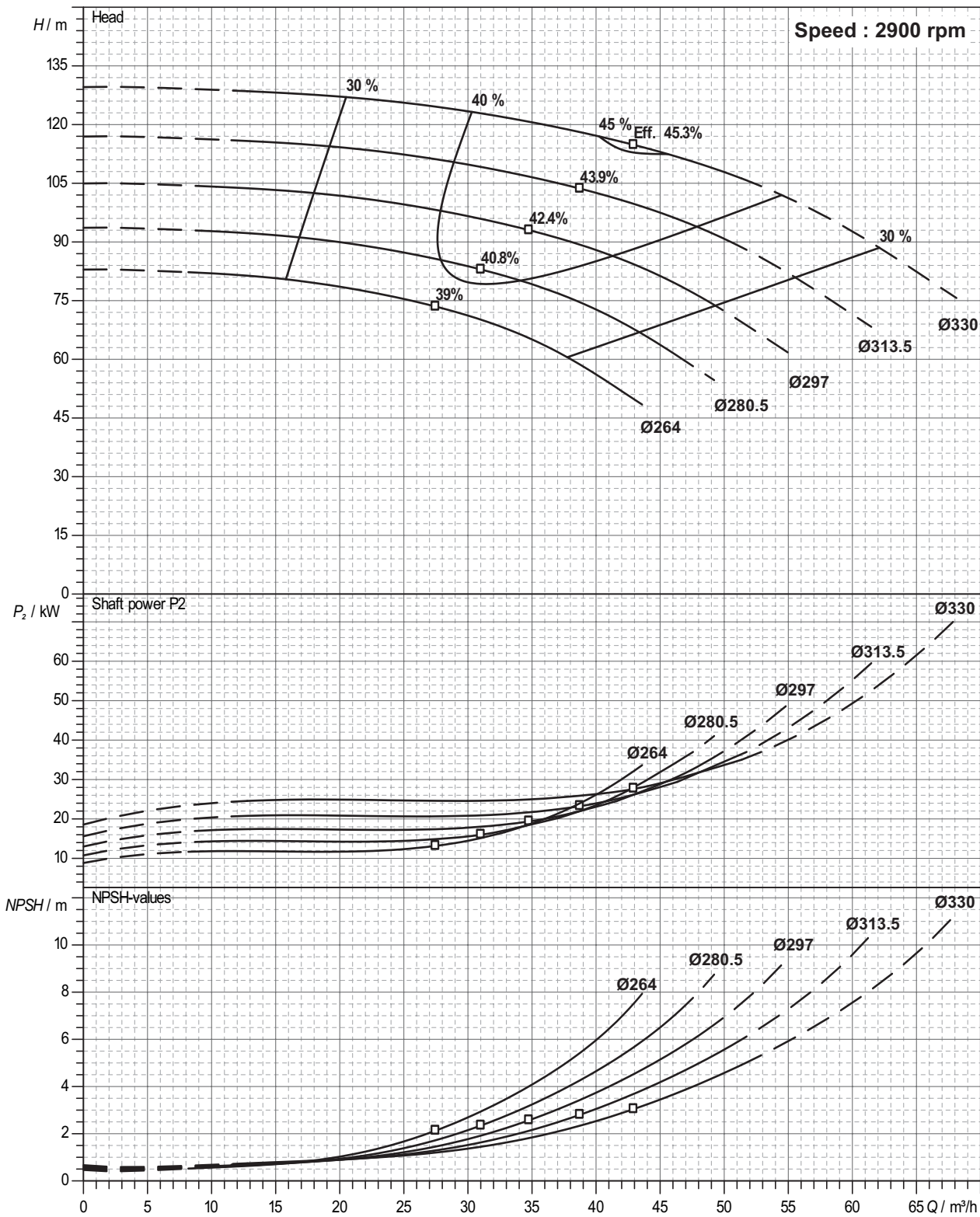
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 1.5 x 13
(80 x 40 x 330)

Pump Size in mm : 75 x 37.5
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO : 9906, Grade 2B

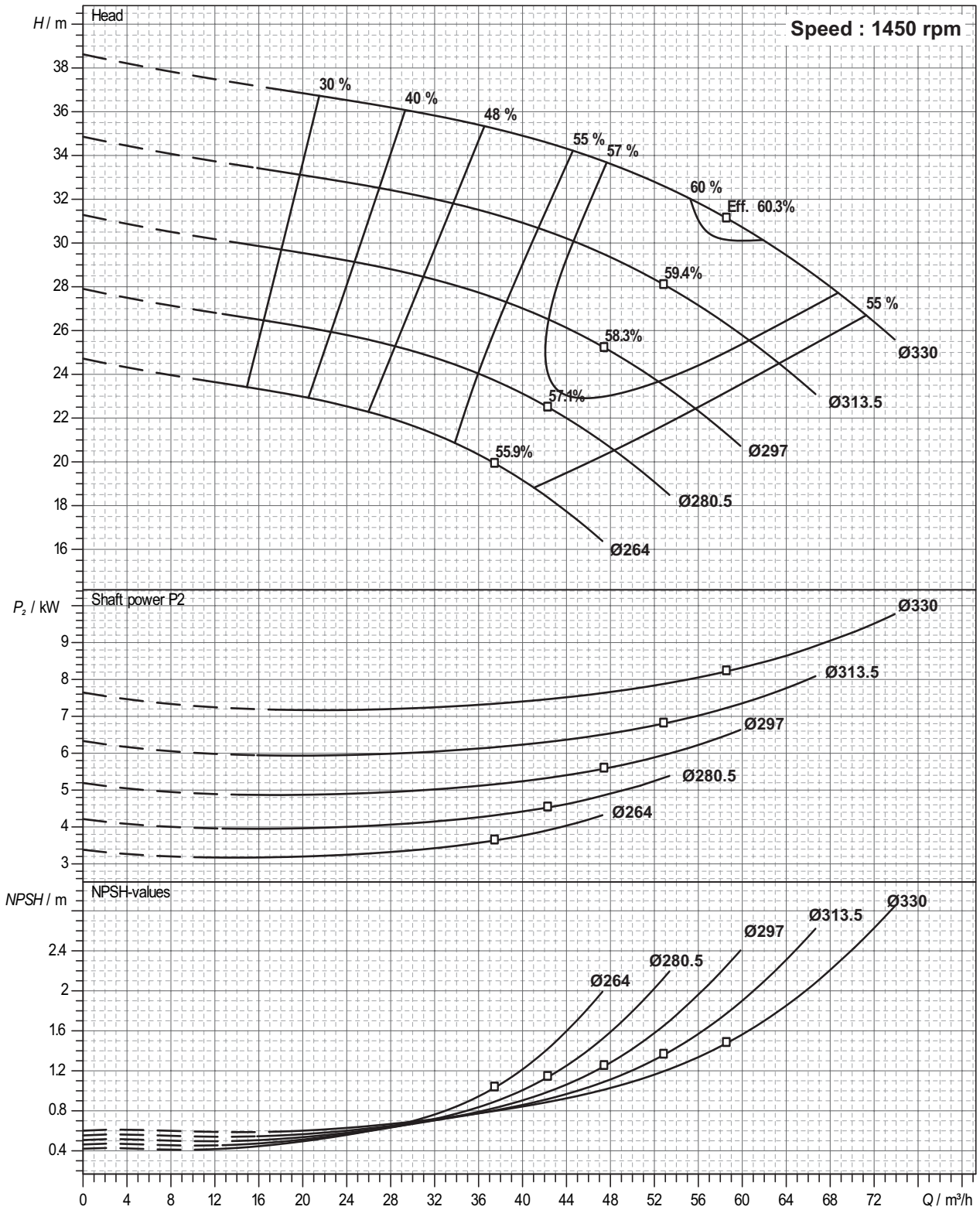
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 2 x 13
(80 x 50 x 330)

Pump Size in mm : 75 x 50
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

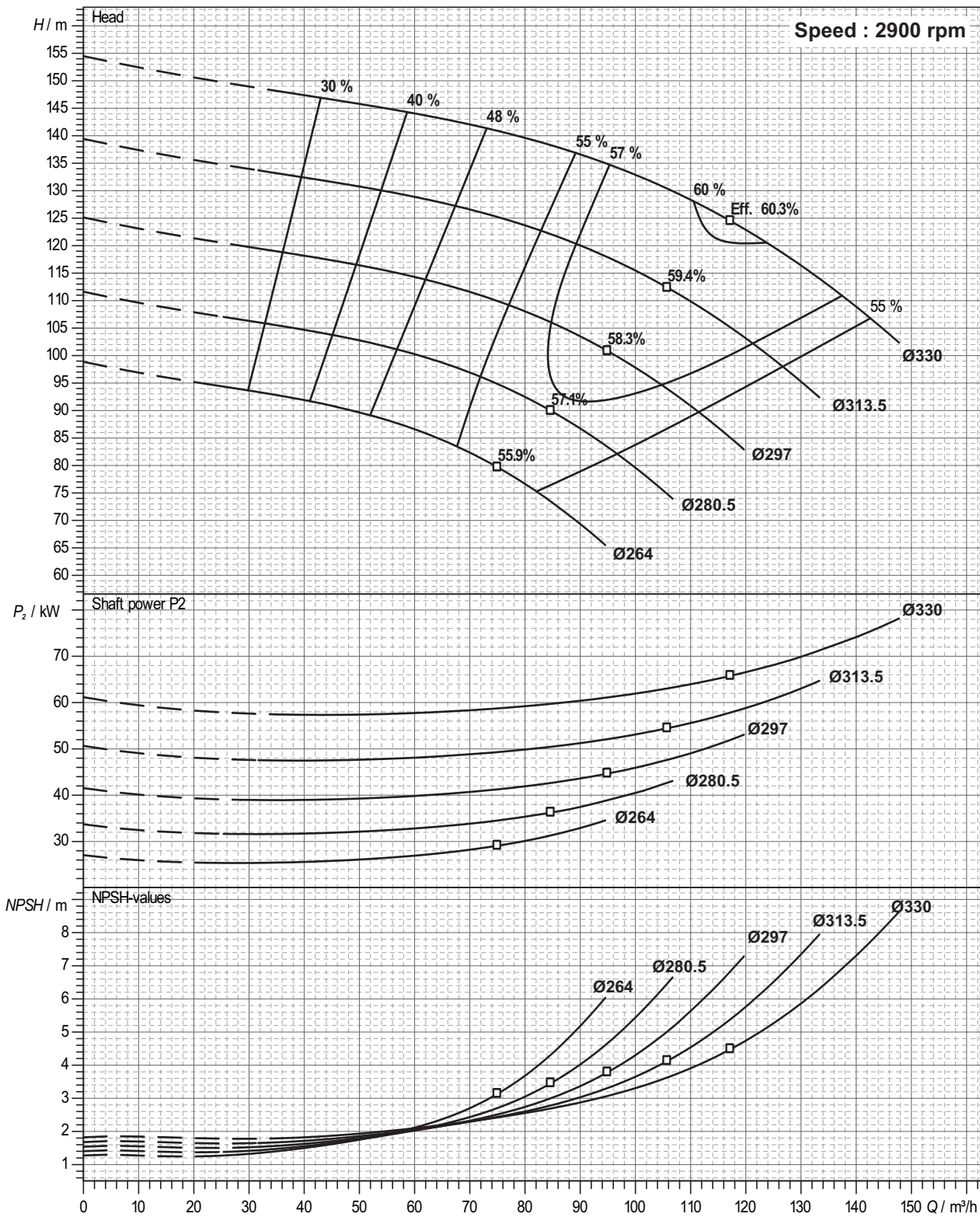
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 3 x 2 x 13
(80 x 50 x 330)

Pump Size in mm : 75 x 50
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

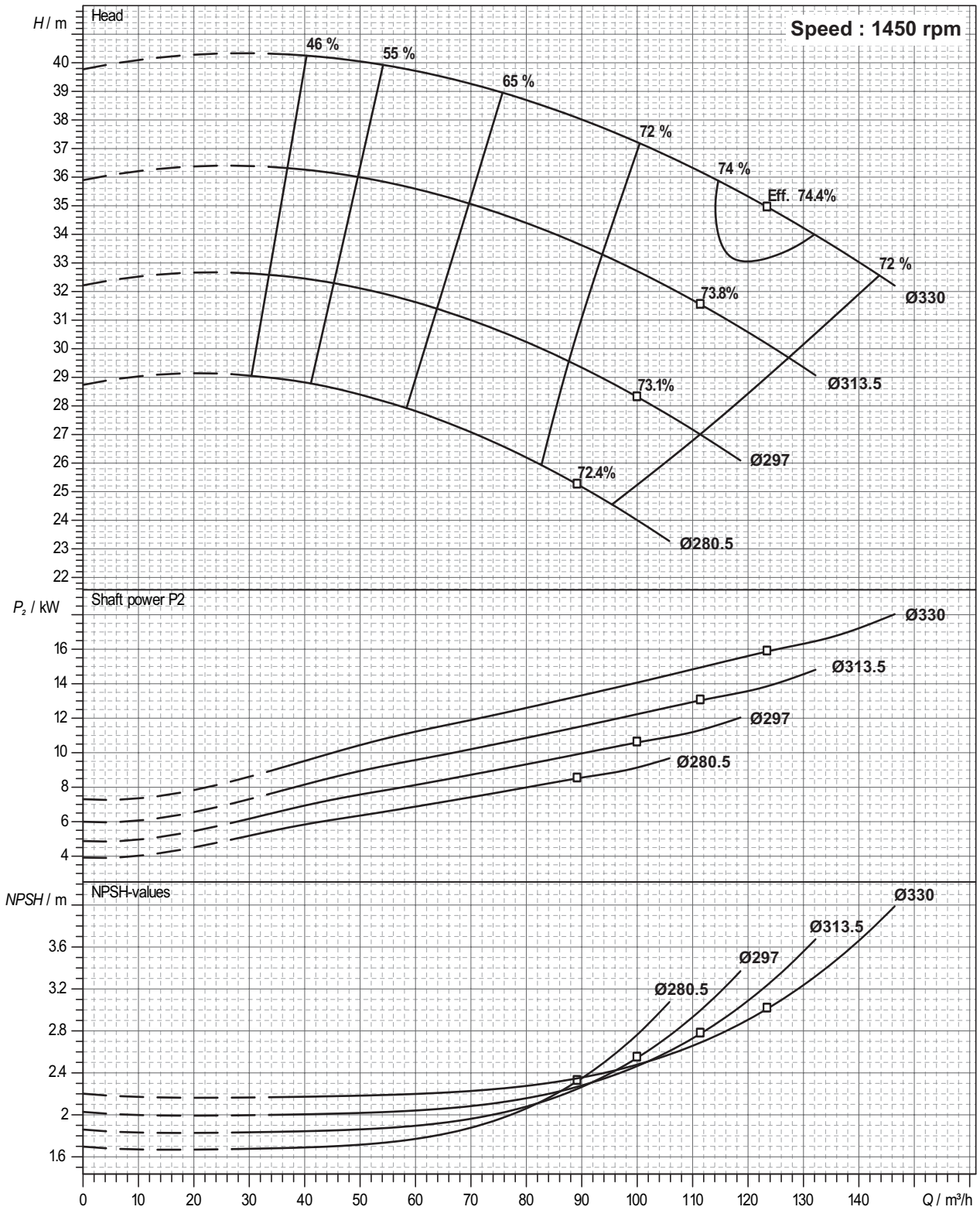
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 4 x 3 x 13
(100 x 80 x 330)

Pump Size in mm : 100 x 75
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

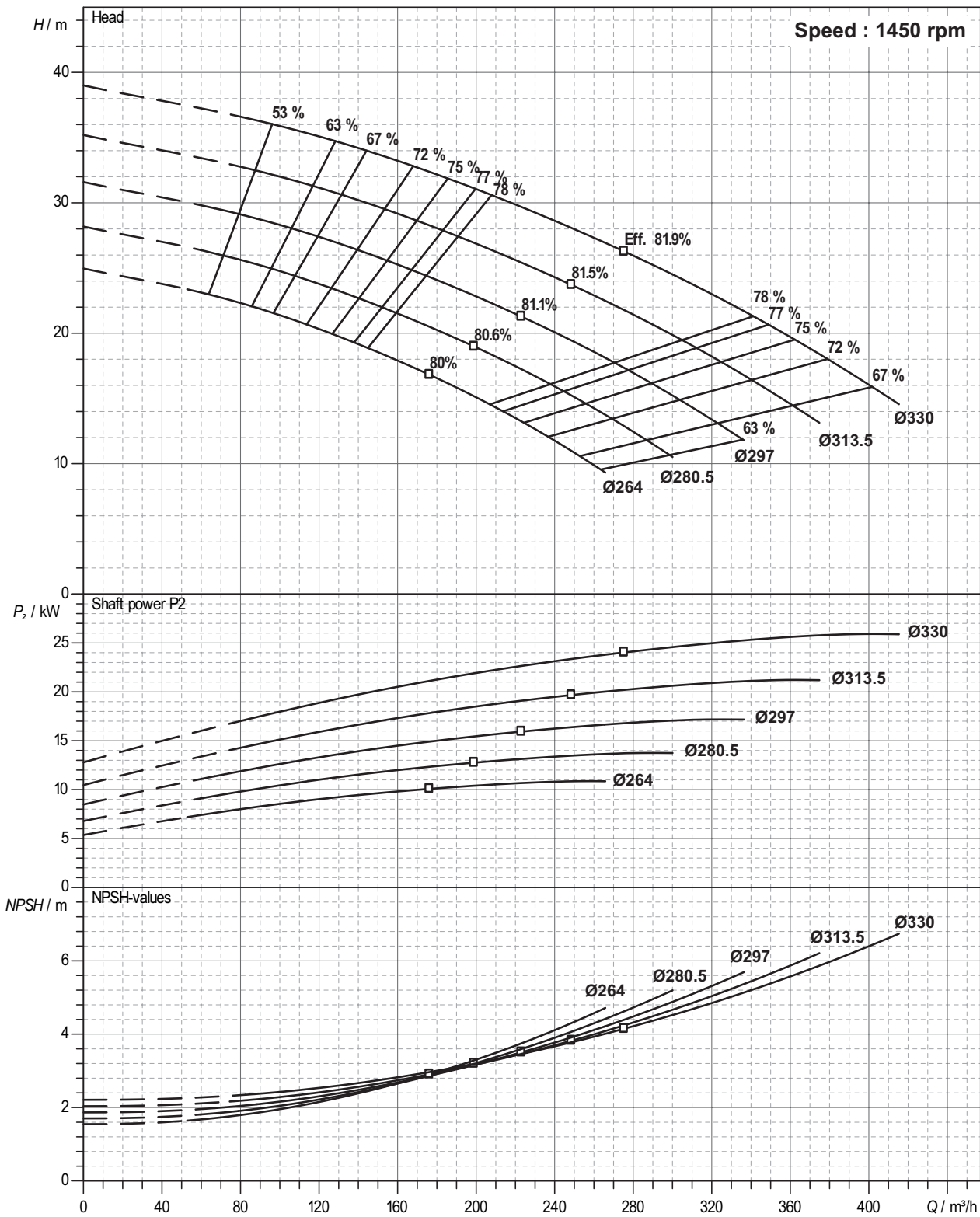
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 6 x 4 x 13
(150 x 100 x 330)

Pump Size in mm : 150 x 100
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

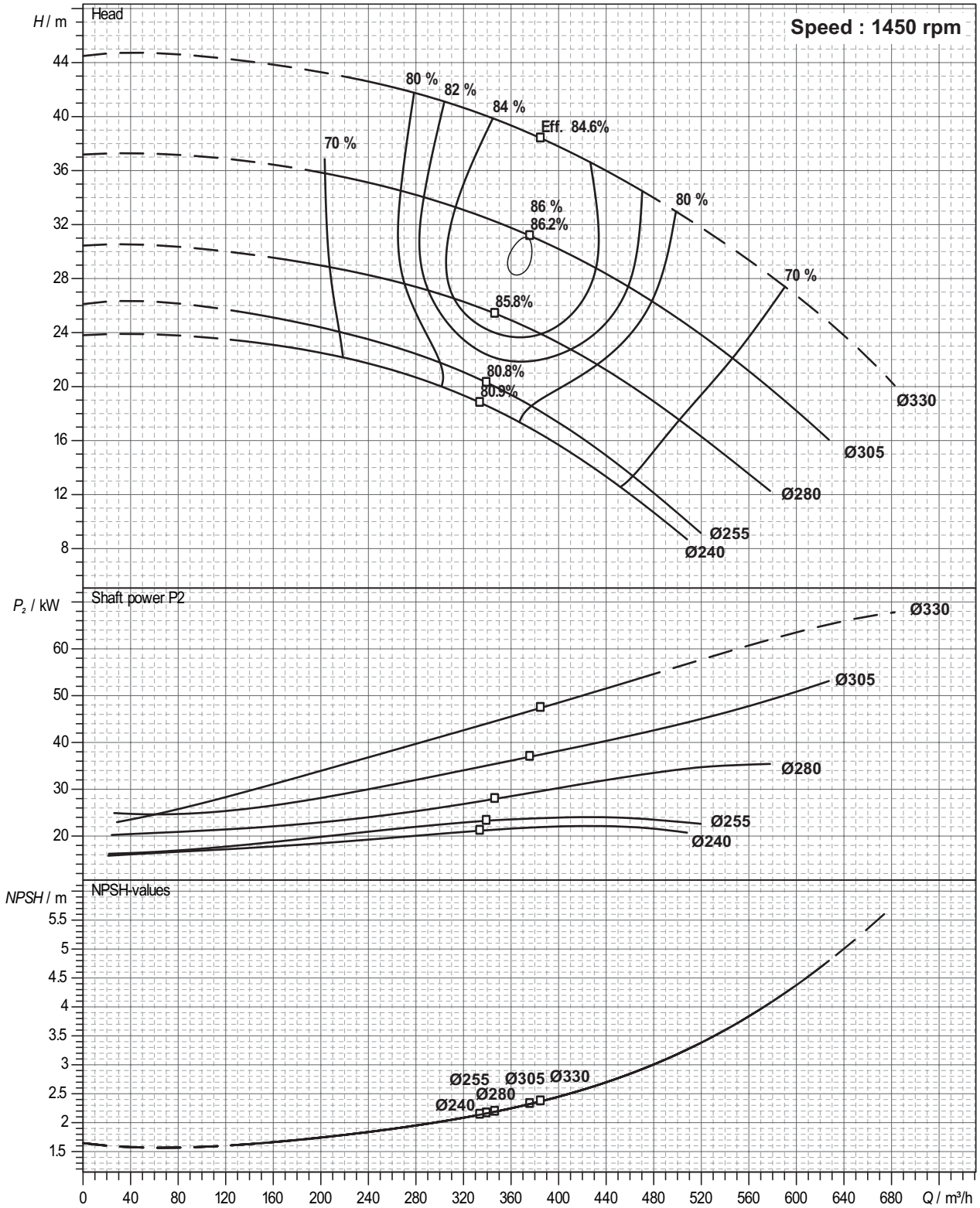
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 8 x 6 x 13
(200 x 150 x 330)

Pump Size in mm : 200 x 150
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

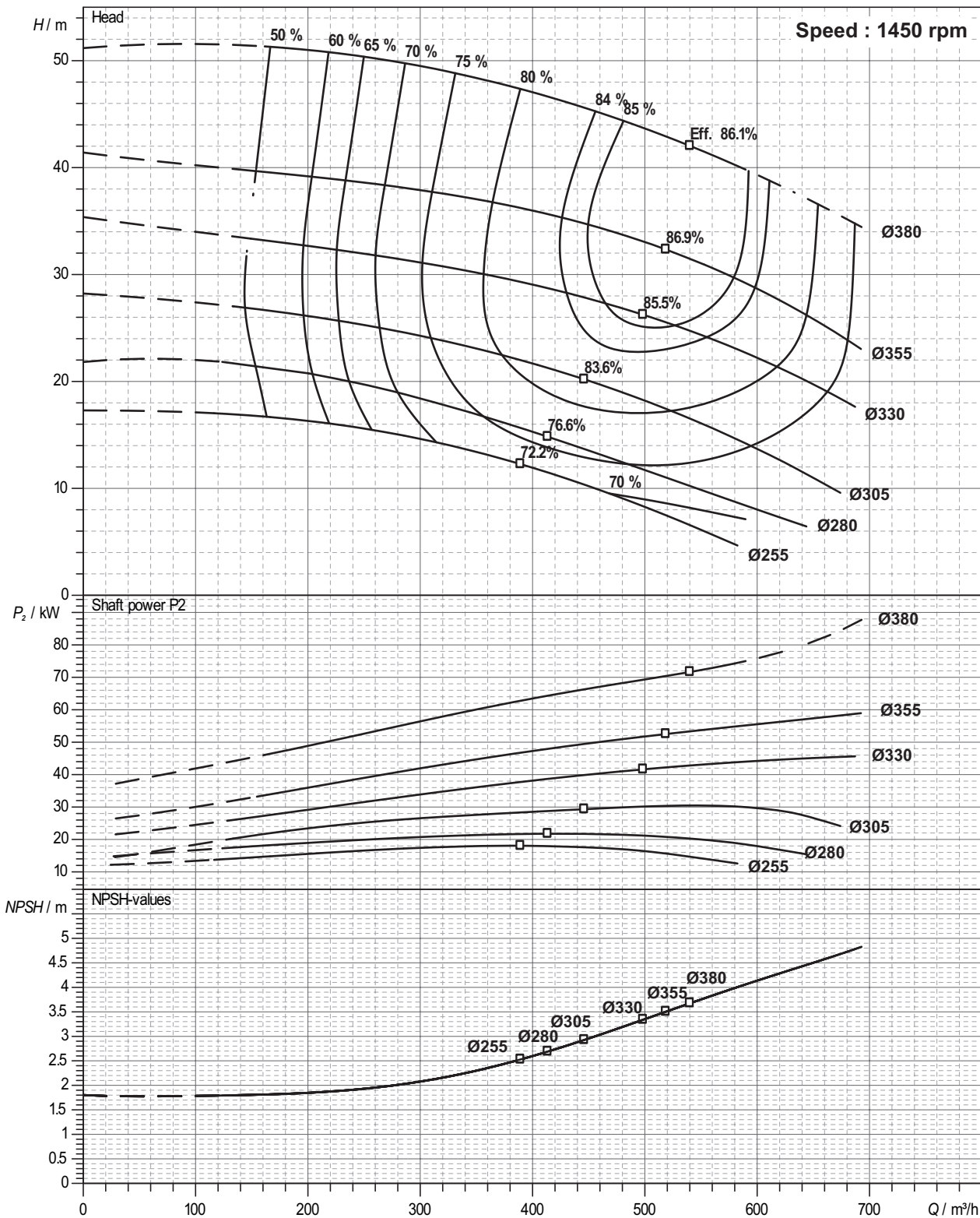
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 8 x 6 x 15
(200 x 150 x 375)

Pump Size in mm : 200 x 150
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

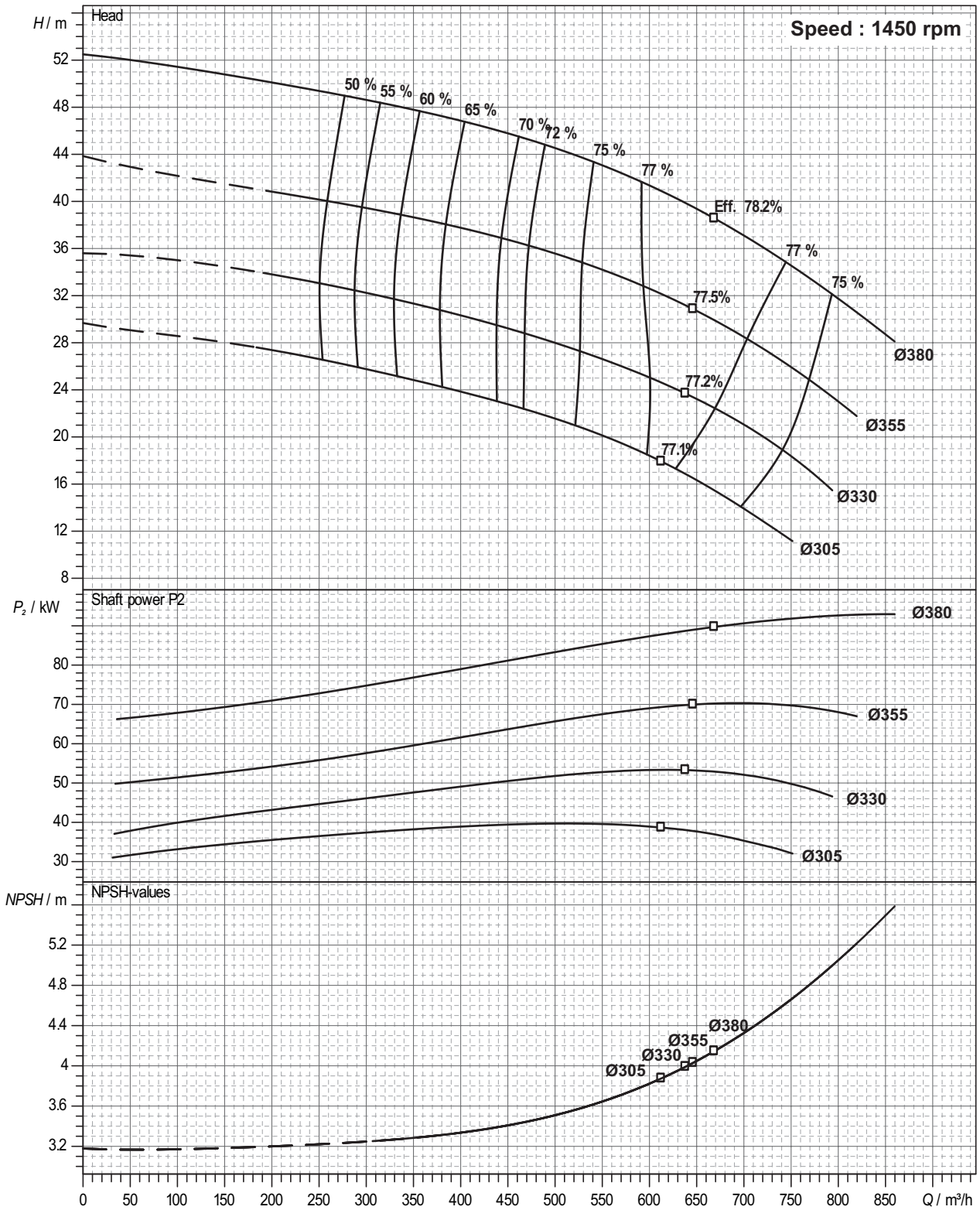
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC - 10 x 8 x 15
(250 x 200 x 380)

Pump Size in mm : 250 x 200
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice

CHEMICAL & PROCESS PUMPS – ECC IL SERIES (NON ANSI PUMPS)

DESCRIPTION

ECC IL series are horizontal, end suction, single stage centre line discharge type for low flow requirements. These pumps are Non ANSI specially designed to handle corrosive, abrasive or high temperature liquids. A semi open scallop cut impeller is used for pumping low viscous fluids without suspended solids and is easy to clean and maintain. This type of pumps comes in a wide range of materials depending on the application. IL low flow pumps are specially designed for industrial dosing applications.



DESIGN FEATURES

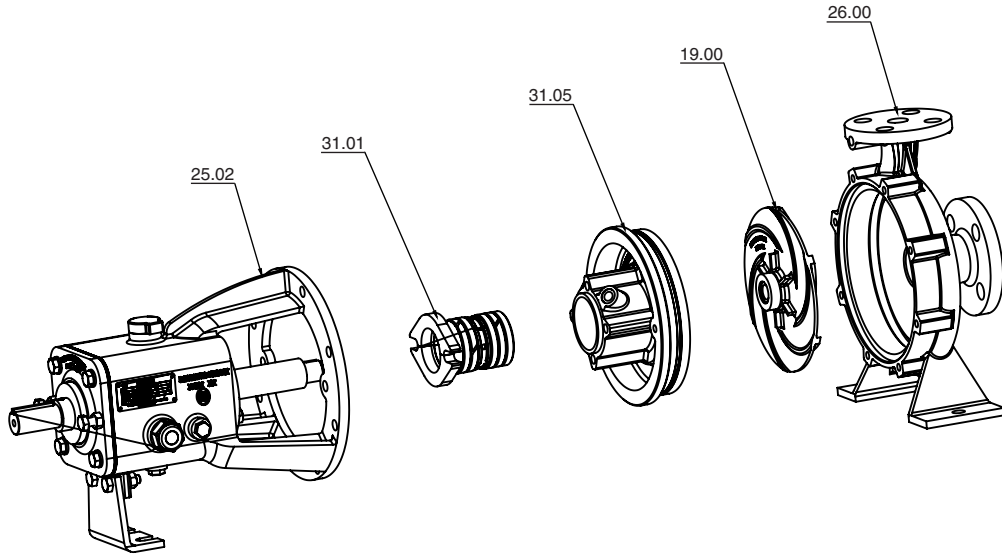
- Open impeller design allows handling of solids in suspension.
- Heavy duty rigid bearing units ensure longer bearing life
- Modular design reduces the spare parts inventory cost
- Foot mounted, back pull-out design for ease of maintenance
- Oil lubrication as standard
- Different material options
- Gland and mechanical seal options

APPLICATIONS

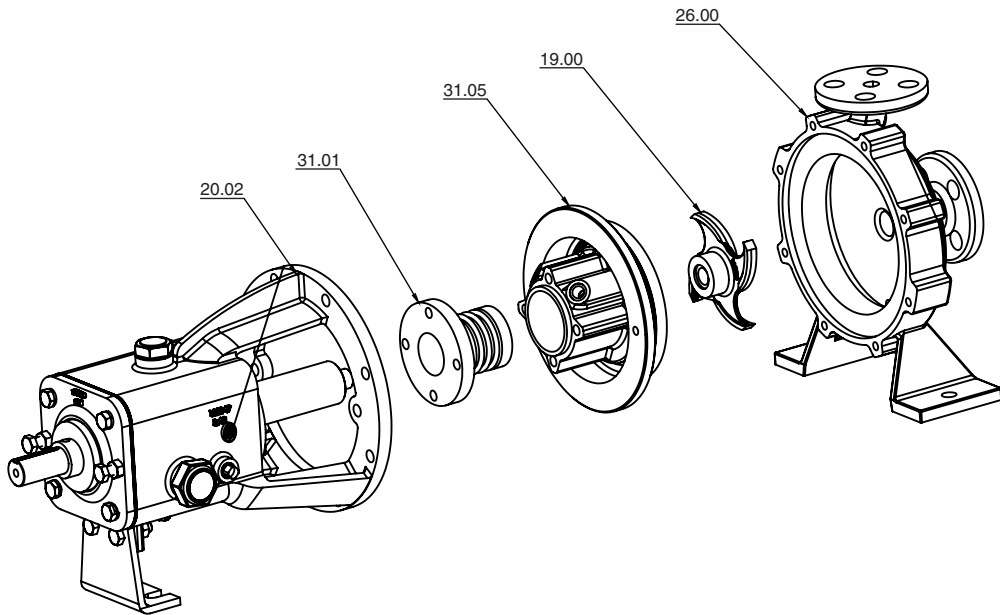
- Petrochemical
- Oil and gas
- Chemical
- Edible oil industry
- Semi-conductor
- Beverage & Food processing
- Pharmaceuticals
- Water / Efficient plants treatment
- Sugar and Automotive
- Textile industry

EXPLODED VIEW

GLAND PACKING CONSTRUCTION



















MECHANICAL SEAL CONSTRUCTION



| PART NO | PART NAME |
|---------|---------------------------|
| 26.00 | CASING |
| 19.00 | IMPELLER |
| 31.05 | STUFFING BOX |
| 31.01 | PACKING / MECHANICAL SEAL |
| 25.02 | CONNECTING FRAME |
| 20.02 | BEARING FRAME |

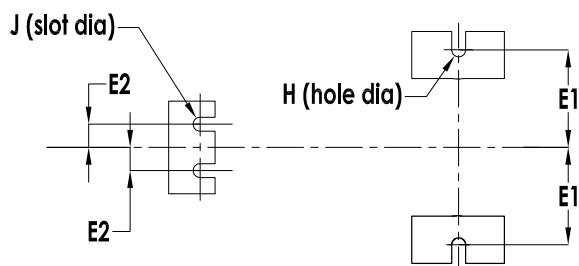
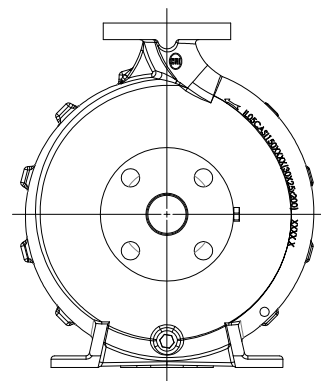
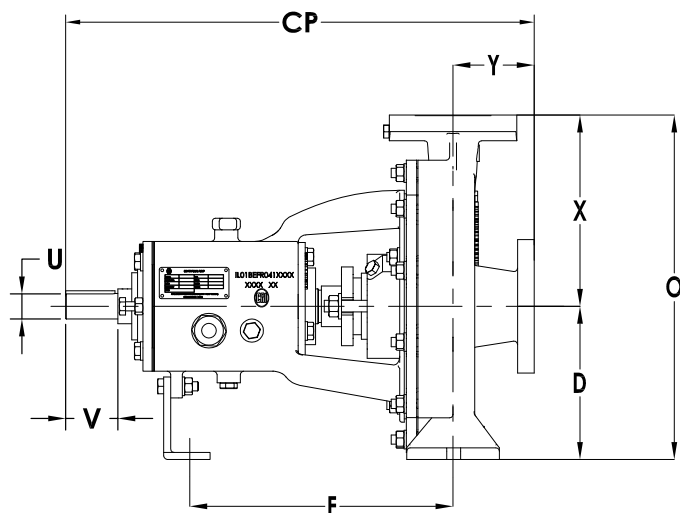
INTERCHANGEABILITY CHART

| IL SERIES | | | | | |
|------------------------|---|---|---|---|---|
| PUMP NAME | 1 X 0.75 X 6 | 1.25 X 1 X 6 | 1.5 X 1.25 X 6 | 1 X 0.75 X 8 | 1.25 X 1 X 8 |
| | 25 X 20 X 150 | 32 X 25 X 150 | 40 X 32 X 150 | 25 X 20 X 200 | 32 X 25 X 200 |
| CASING |  |  |  |  |  |
| IMPELLER |  |  |  |  |  |
| STUFFING BOX |  | | |  | |
| BEARING FRAME |  | | |  | |
| BEARING FRAME ASSEMBLY |  | | |  | |

DETAILS OF STANDARD COMPONENTS

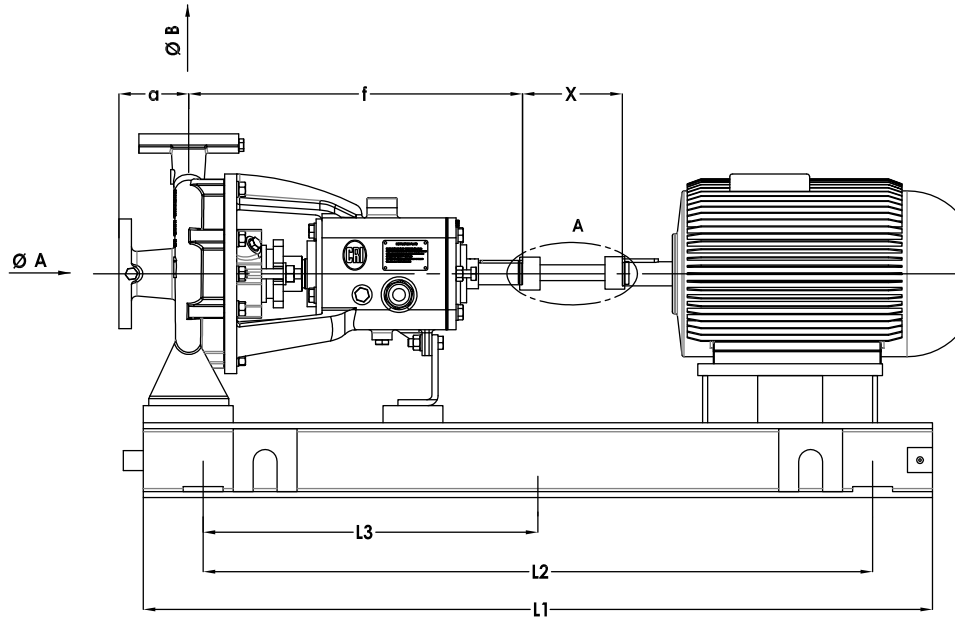
| | |
|--|----------|
| SHAFT AND BEARING DATA | FRAME |
| | 0 |
| SHAFT DIAMETER (mm) | |
| At Coupling | Ø 22.23 |
| At 'NDE' Bearings | Ø 30 |
| At 'DE' Bearings | Ø 30 |
| Between bearings | Ø 51 |
| Under Sleeve | Ø 27.97 |
| Stuffing Box Details | |
| Shaft sleeve OD | Ø 35 |
| Stuffing Box Bore Diameter | Ø 51 |
| Stuffing Box Depth | 57 |
| SHAFT LENGTHS (mm) | |
| Impeller end of shaft to 'NDE' Bearing | 156.5 |
| Between bearings | 85 |
| 'DE' Bearing. To Coupling end | 95 |
| BEARINGS | |
| 'NDE' | 6206 |
| 'DE' | 6306 |
| KEYWAY AT COUPLING (mm) | |
| Width | 4.76 |
| Depth | 2.38 |
| Length | 40 |
| SHAFT THREAD AT IMPELLER | M16X2 RH |

MOUNTING DIMENSION - PUMP



| Pump Series | Pump Size (Inch) | General Dimensions T able (mm) | | | | | | | | | | | | | |
|-------------|------------------|--------------------------------|-----|----|----|-----|-----|----|-----|----|---------|----|----|-----|-------------|
| | | CP | D | E1 | E2 | F | X | Y | O | V | U (DIA) | H | J | M | WEIGHT (KG) |
| ECC-IL | 1 x 0.75 x 6 | 404 | 132 | 84 | 20 | 223 | 140 | 70 | 272 | 45 | 22 | 12 | 12 | 112 | 22 |
| ECC-IL | 1.25 x 1 x 6 | 404 | 132 | 84 | 20 | 223 | 140 | 70 | 272 | 45 | 22 | 12 | 12 | 112 | 23 |
| ECC-IL | 1.5 x 1.25 x 6 | 404 | 132 | 84 | 20 | 223 | 140 | 70 | 272 | 45 | 22 | 12 | 12 | 112 | 24 |
| ECC-IL | 1 x 0.75 x 8 | 404 | 132 | 84 | 20 | 223 | 165 | 70 | 297 | 45 | 22 | 12 | 12 | 112 | 28 |
| ECC-IL | 1.25 x 1 x 8 | 404 | 132 | 84 | 20 | 223 | 165 | 70 | 297 | 45 | 22 | 12 | 12 | 112 | 30 |

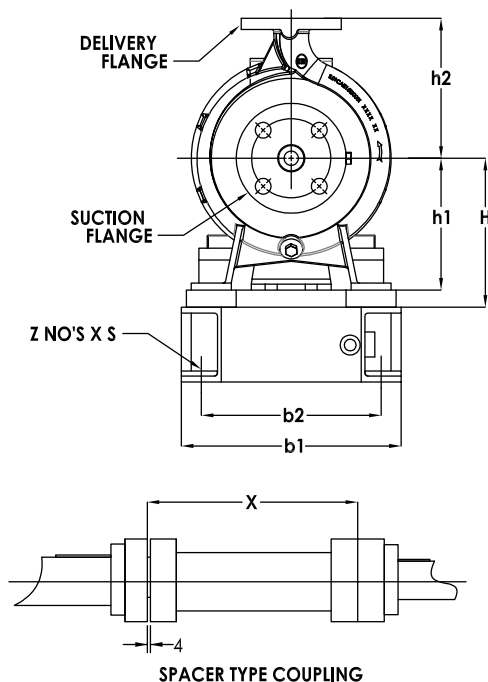
MOUNTING DIMENSION - PUMP SET



| Pump Model | Motor Rating (kW) | | Motor Frame Size | Nominal Size (Ø A) | Outside Diameter | Pitch Circle Diameter | No. of Holes | Hole Diameter | Nominal Size (Ø B) | Outside Diameter | Pitch Circle Diameter | No. Holes | |
|------------|-------------------|-----------|------------------|--------------------|------------------|-----------------------|--------------|---------------|--------------------|------------------|-----------------------|-----------|---|
| | 1450 rpm | 2900 rpm | | | | | | | | | | | |
| ECC-IL | 1X0.75X6 | 0.18 | 0.18,0.25 | 63 | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| | 1X0.75X6 | 0.25,0.37 | 0.37,0.55 | 71 | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| ECC-IL | 1X0.75X6 | 0.55,0.75 | 0.75,1.1 | 80 | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| | 1X0.75X6 | 1.1 | 1.5 | 90S | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| | 1X0.75X6 | 1.5 | 2.2 | 90L | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| | 1X0.75X6 | 2.2 | 3.7 | 100L | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| | 1X0.75X6 | 3.7 | 5.5 | 112M | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| | 1X0.75X6 | 5.5 | 7.5 | 132S | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| | 1.25X1X6 | 0.18 | 0.18,0.25 | 63 | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.25X1X6 | 0.25,0.37 | 0.37,0.55 | 71 | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.25X1X6 | 0.55,0.75 | 0.75,1.1 | 80 | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.25X1X6 | 1.1 | 1.5 | 90S | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| ECC-IL | 1.25X1X6 | 1.5 | 2.2 | 90L | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.25X1X6 | 2.2 | 3.7 | 100L | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.25X1X6 | 3.7 | 5.5 | 112M | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.25X1X6 | 5.5 | 7.5 | 132S | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.5X1.25X6 | 0.18 | 0.18,0.25 | 63 | 38 | 125 | 98.4 | 4 | 15.9 | 32 | 115 | 88.9 | 4 |
| | 1.5X1.25X6 | 0.25,0.37 | 0.37,0.55 | 71 | 38 | 125 | 98.4 | 4 | 15.9 | 32 | 115 | 88.9 | 4 |
| | 1.5X1.25X6 | 0.55,0.75 | 0.75,1.1 | 80 | 38 | 125 | 98.4 | 4 | 15.9 | 32 | 115 | 88.9 | 4 |
| | 1.5X1.25X6 | 1.1 | 1.5 | 90S | 38 | 125 | 98.4 | 4 | 15.9 | 32 | 115 | 88.9 | 4 |
| | 1.5X1.25X6 | 1.5 | 2.2 | 90L | 38 | 125 | 98.4 | 4 | 15.9 | 32 | 115 | 88.9 | 4 |
| | 1.5X1.25X6 | 2.2 | 3.7 | 100L | 38 | 125 | 98.4 | 4 | 15.9 | 32 | 115 | 88.9 | 4 |
| ECC-IL | 1.5X1.25X6 | 3.7 | 5.5 | 112M | 38 | 125 | 98.4 | 4 | 15.9 | 32 | 115 | 88.9 | 4 |
| | 1.5X1.25X6 | 5.5 | 7.5 | 132S | 38 | 125 | 98.4 | 4 | 15.9 | 32 | 115 | 88.9 | 4 |
| | 1X0.75X8 | 0.18 | 0.18,0.25 | 63 | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| | 1X0.75X8 | 0.25,0.37 | 0.37,0.55 | 71 | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| | 1X0.75X8 | 0.55,0.75 | 0.75,1.1 | 80 | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| | 1X0.75X8 | 1.1 | 1.5 | 90S | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| | 1X0.75X8 | 1.5 | 2.2 | 90L | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| | 1X0.75X8 | 2.2 | 3.7 | 100L | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| | 1X0.75X8 | 3.7 | 5.5 | 112M | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| | 1X0.75X8 | 5.5 | 7.5 | 132S | 25 | 110 | 79.4 | 4 | 15.9 | 19 | 100 | 69.9 | 4 |
| ECC-IL | 1.25X1X8 | 0.18 | 0.18,0.25 | 63 | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.25X1X8 | 0.25,0.37 | 0.37,0.55 | 71 | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.25X1X8 | 0.55,0.75 | 0.75,1.1 | 80 | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.25X1X8 | 1.1 | 1.5 | 90S | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.25X1X8 | 1.5 | 2.2 | 90L | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.25X1X8 | 2.2 | 3.7 | 100L | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.25X1X8 | 3.7 | 5.5 | 112M | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |
| | 1.25X1X8 | 5.5 | 7.5 | 132S | 32 | 115 | 88.9 | 4 | 15.9 | 25 | 110 | 79.4 | 4 |

In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice

MOUNTING DIMENSION - PUMP SET



| Hole Diameter | a | b1 | b2 | f | a+f | Channel height | Cl Height | H | h1 | h2 | U | V | L1 | L2 | L3 | L4 | Z No's | S | X |
|---------------|----|-----|-----|-----|-----|----------------|-----------|-----|-----|-----|-------|-------|-----|-----|----|----|--------|----|-----|
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 94.25 | 98.85 | 700 | 580 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 94.25 | 98.85 | 720 | 600 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 94.25 | 98.85 | 750 | 630 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 94.25 | 98.85 | 760 | 640 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 94.25 | 98.85 | 790 | 670 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 94.25 | 98.85 | 820 | 700 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 260 | 224 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 94.25 | 98.85 | 830 | 710 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 260 | 224 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 94.25 | 98.85 | 900 | 790 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 96.29 | 102.3 | 700 | 580 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 96.29 | 102.3 | 720 | 600 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 96.29 | 102.3 | 750 | 630 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 96.29 | 102.3 | 760 | 640 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 96.29 | 102.3 | 790 | 670 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 96.29 | 102.3 | 820 | 700 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 260 | 224 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 96.29 | 102.3 | 830 | 710 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 260 | 224 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 96.29 | 102.3 | 900 | 790 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 98.66 | 106.5 | 700 | 580 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 98.66 | 106.5 | 720 | 600 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 98.66 | 106.5 | 750 | 630 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 98.66 | 106.5 | 760 | 640 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 98.66 | 106.5 | 790 | 670 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 98.66 | 106.5 | 820 | 700 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 260 | 224 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 98.66 | 106.5 | 830 | 710 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 260 | 224 | 334 | 404 | 75 | 224 | 207 | 132 | 140 | 98.66 | 106.5 | 900 | 790 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 116.9 | 119.7 | 700 | 580 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 116.9 | 119.7 | 720 | 600 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 116.9 | 119.7 | 750 | 630 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 116.9 | 119.7 | 760 | 640 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 116.9 | 119.7 | 790 | 670 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 116.9 | 119.7 | 820 | 700 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 260 | 224 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 116.9 | 119.7 | 830 | 710 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 260 | 224 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 116.9 | 119.7 | 900 | 790 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 115.9 | 126.7 | 700 | 580 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 115.9 | 126.7 | 720 | 600 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 115.9 | 126.7 | 750 | 630 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 115.9 | 126.7 | 760 | 640 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 115.9 | 126.7 | 790 | 670 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 220 | 184 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 115.9 | 126.7 | 820 | 700 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 260 | 224 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 115.9 | 126.7 | 830 | 710 | - | - | 4 | 14 | 100 |
| 15.9 | 70 | 260 | 224 | 334 | 404 | 75 | 224 | 207 | 132 | 165 | 115.9 | 126.7 | 900 | 790 | - | - | 4 | 14 | 100 |

OVERALL RANGE & PERFORMANCE DETAILS

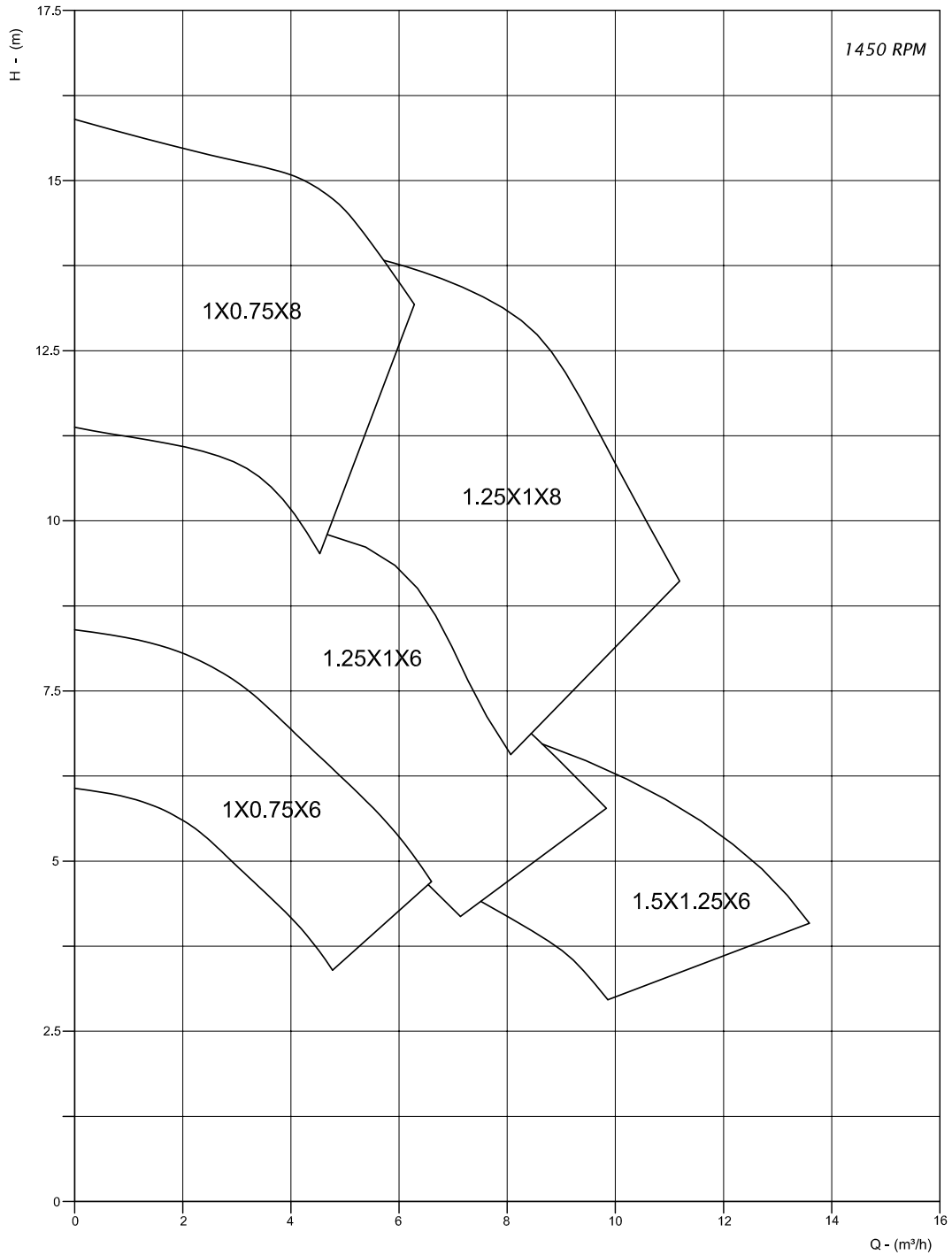
at 1450 rpm

| Sl. No. | Pump Size - Suction x Discharge / Impeller Sizes (inch) (mm) | Suction Nozzle Dia. (mm) | Discharge Nozzle (mm) | Pump Weight (Kg) | Max. Power (kW) | Min/Max Speed (rpm) | Max. Working Pressure (Bar) | Max. Flow Rate (m ³ /hr) | Max. Head (m) | Maximum Suspended Solid Size (mm) |
|---------|--|--------------------------|-----------------------|------------------|-----------------|---------------------|-----------------------------|-------------------------------------|---------------|-----------------------------------|
| 1 | 1 x 0.75 x 6 (25 x 20 x 150) | 25 | 20 | 22.5 | 0.35 | 1450 | 0.84 | 6.6 | 8.4 | 4.5 |
| 2 | 1.25 x 1 x 6 (32 x 25 x 150) | 32 | 25 | 23 | 0.30 | 1450 | 0.92 | 9.8 | 9.2 | 6.5 |
| 3 | 1.5 x 1 x 6 (40 x 32 x 15) | 40 | 32 | 24 | 0.32 | 1450 | 0.89 | 13.6 | 8.9 | 8 |
| 4 | 1 x 0.75 x 8 (25 x 20 x 200) | 25 | 20 | 28 | 0.60 | 1450 | 1.6 | 6.3 | 16 | 6 |
| 5 | 1.25 x 1 x 8 (32 x 25 x 200) | 32 | 25 | 29.5 | 0.80 | 1450 | 1.5 | 11.2 | 15.06 | 9 |

at 2900 rpm

| Sl. No. | Pump Size - Suction x Discharge / Impeller Sizes (inch) (mm) | Suction Nozzle Dia. (mm) | Discharge Nozzle (mm) | Pump Weight (Kg) | Max. Power (kW) | Min/Max Speed (rpm) | Max. Working Pressure (Bar) | Max. Flow Rate (m ³ /hr) | Max. Head (m) | Maximum Suspended Solid Size (mm) |
|---------|--|--------------------------|-----------------------|------------------|-----------------|---------------------|-----------------------------|-------------------------------------|---------------|-----------------------------------|
| 1 | 1 x 0.75 x 6 (25 x 20 x 150) | 25 | 20 | 22.5 | 1.6 | 2900 | 3.6 | 12.2 | 36 | 4.5 |
| 2 | 1.25 x 1 x 6 (32 x 25 x 150) | 32 | 25 | 23 | 2.47 | 2900 | 3.6 | 19.7 | 36.8 | 6.5 |
| 3 | 1.5 x 1 x 6 (40 x 32 x 15) | 40 | 32 | 24 | 2.6 | 2900 | 3.6 | 27.5 | 36.5 | 8 |
| 4 | 1 x 0.75 x 8 (25 x 20 x 200) | 25 | 20 | 28 | 4.8 | 2900 | 6.3 | 12.5 | 63 | 6 |
| 5 | 1.25 x 1 x 8 (32 x 25 x 200) | 32 | 25 | 30 | 5.77 | 2900 | 6.4 | 22.8 | 64.2 | 9 |

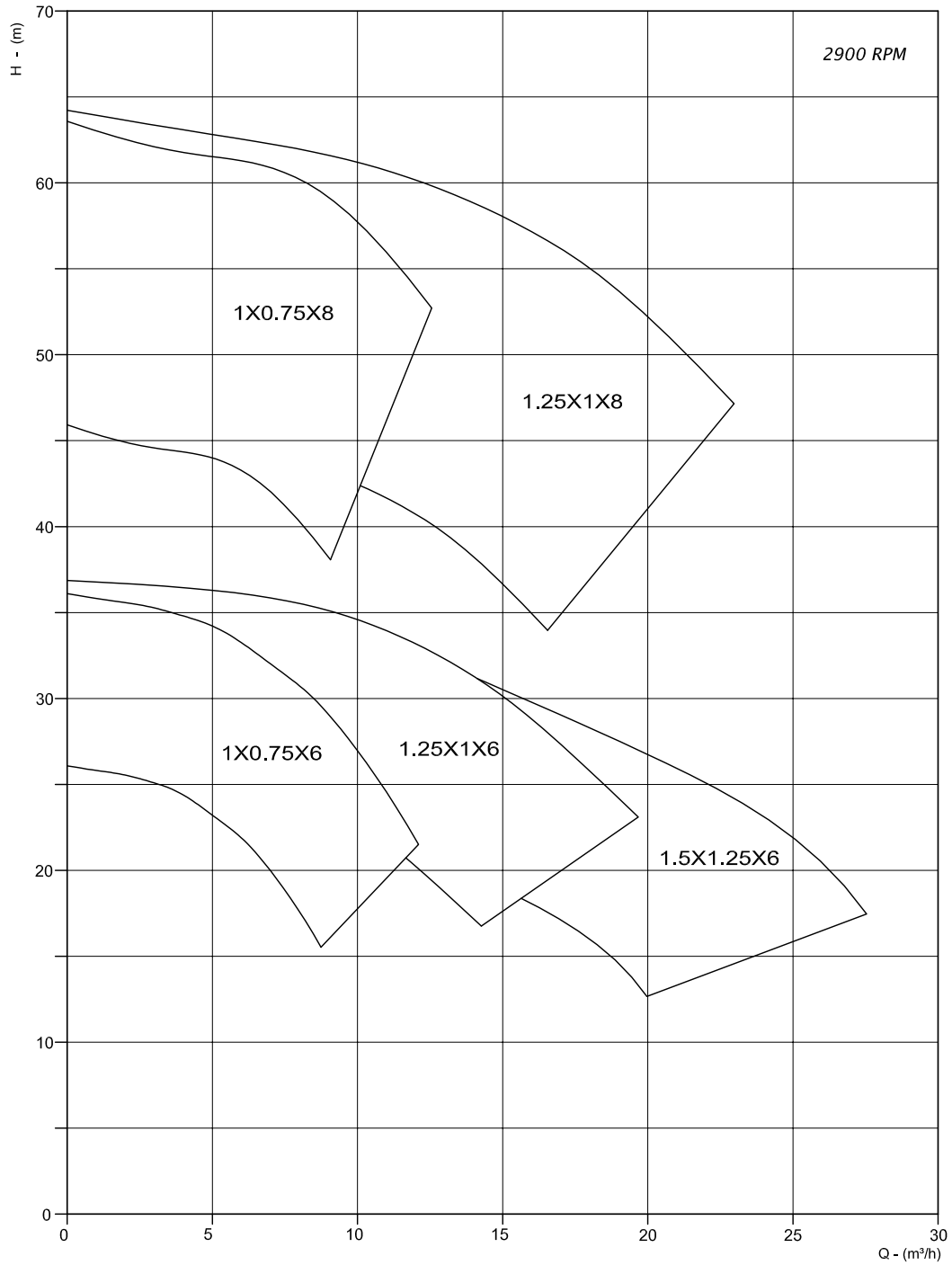
GROUP PERFORMANCE CURVE



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice

GROUP PERFORMANCE CURVE



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

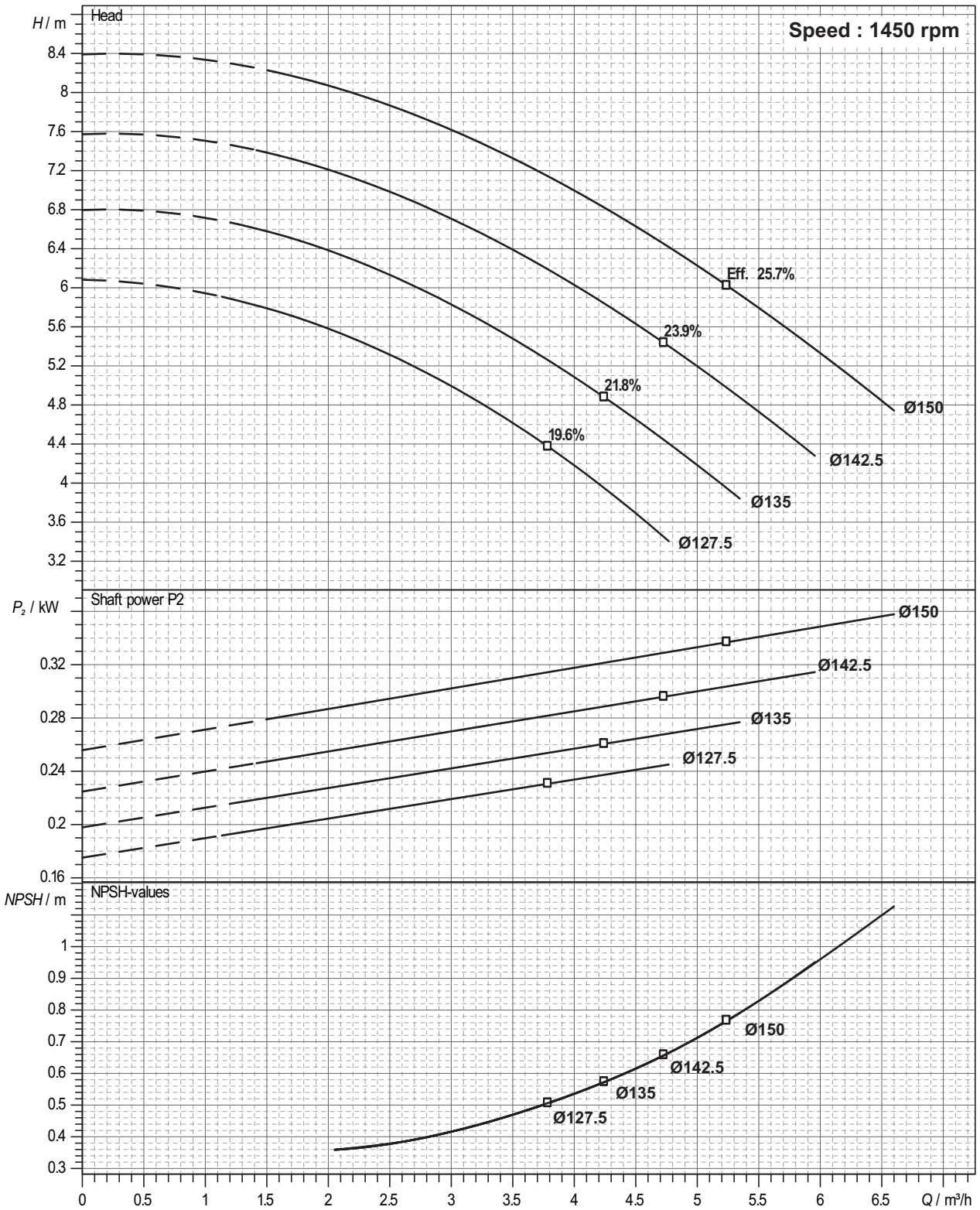
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC-IL - 1 x 0.75 x 6
(25 x 18.75 x 150)

Pump Size in mm : 25 x 18.75
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

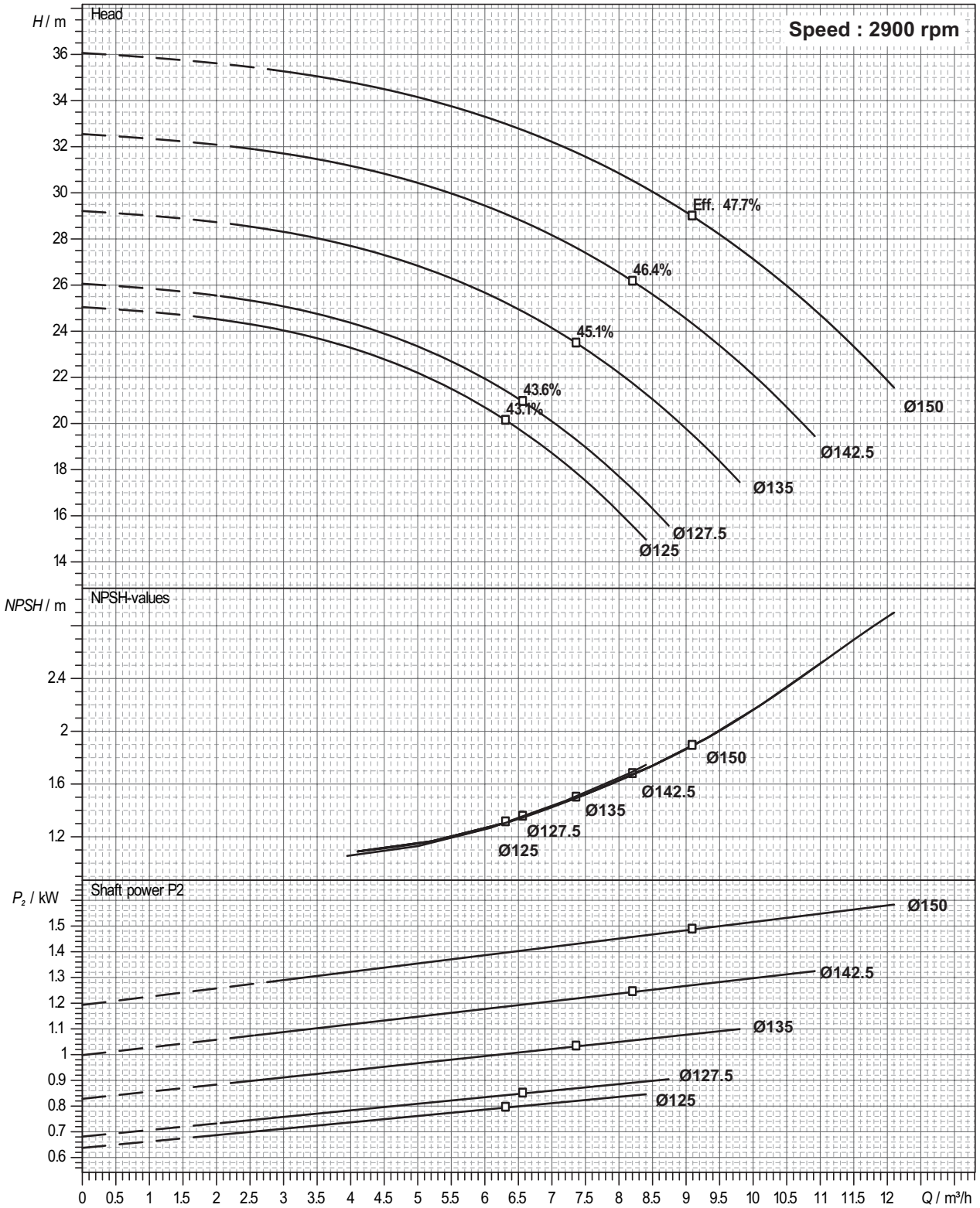
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC-IL - 1 x 0.75 x 6
(25 x 18.75 x 150)

Pump Size in mm : 25 x 18.75
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

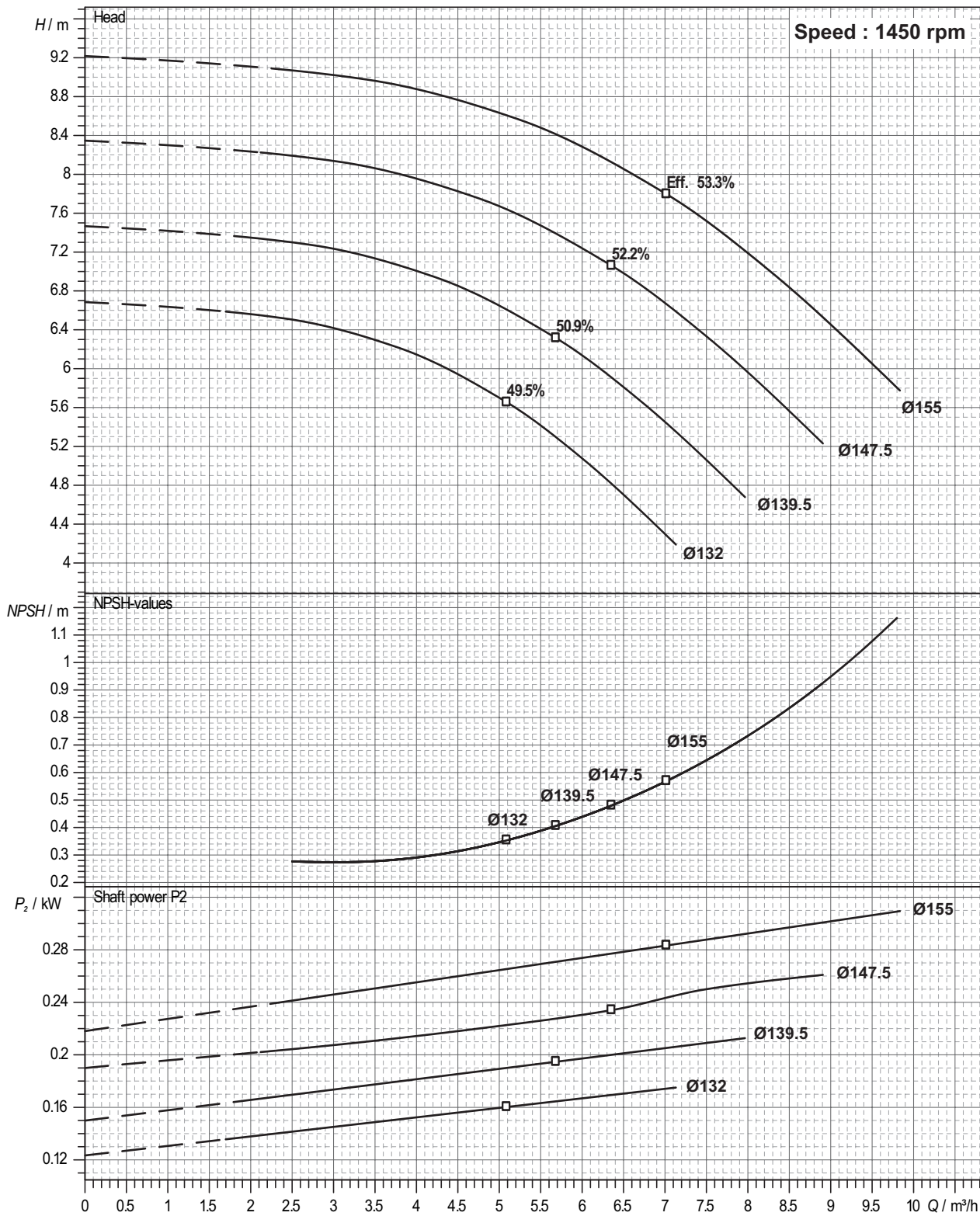
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC-IL - 1.25 x 1 x 6
(32 x 25 x 150)

Pump Size in mm : 32 x 25
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

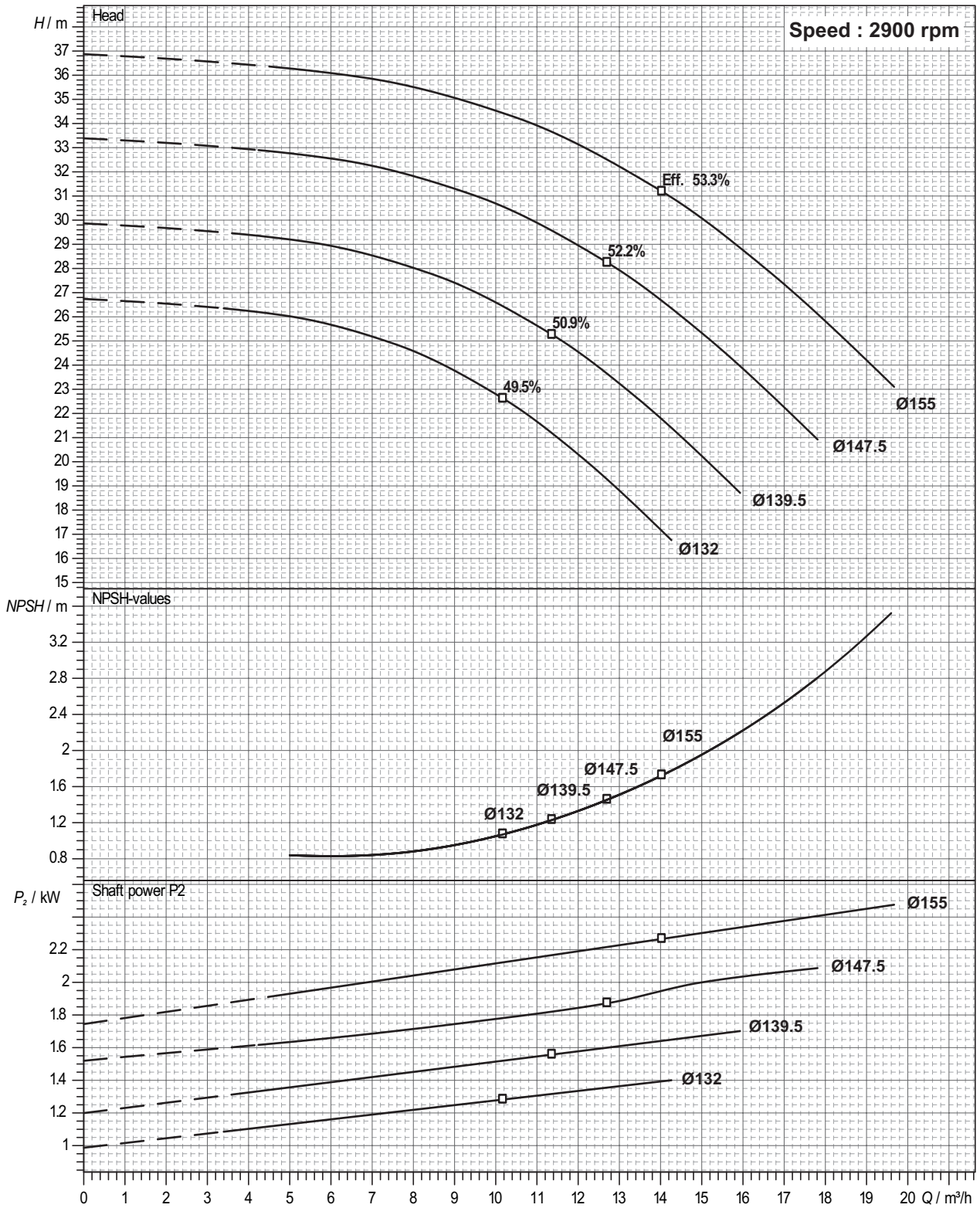
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC-IL - 1.25 x 1 x 6
(32 x 25 x 150)

Pump Size in mm : 32 x 25
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

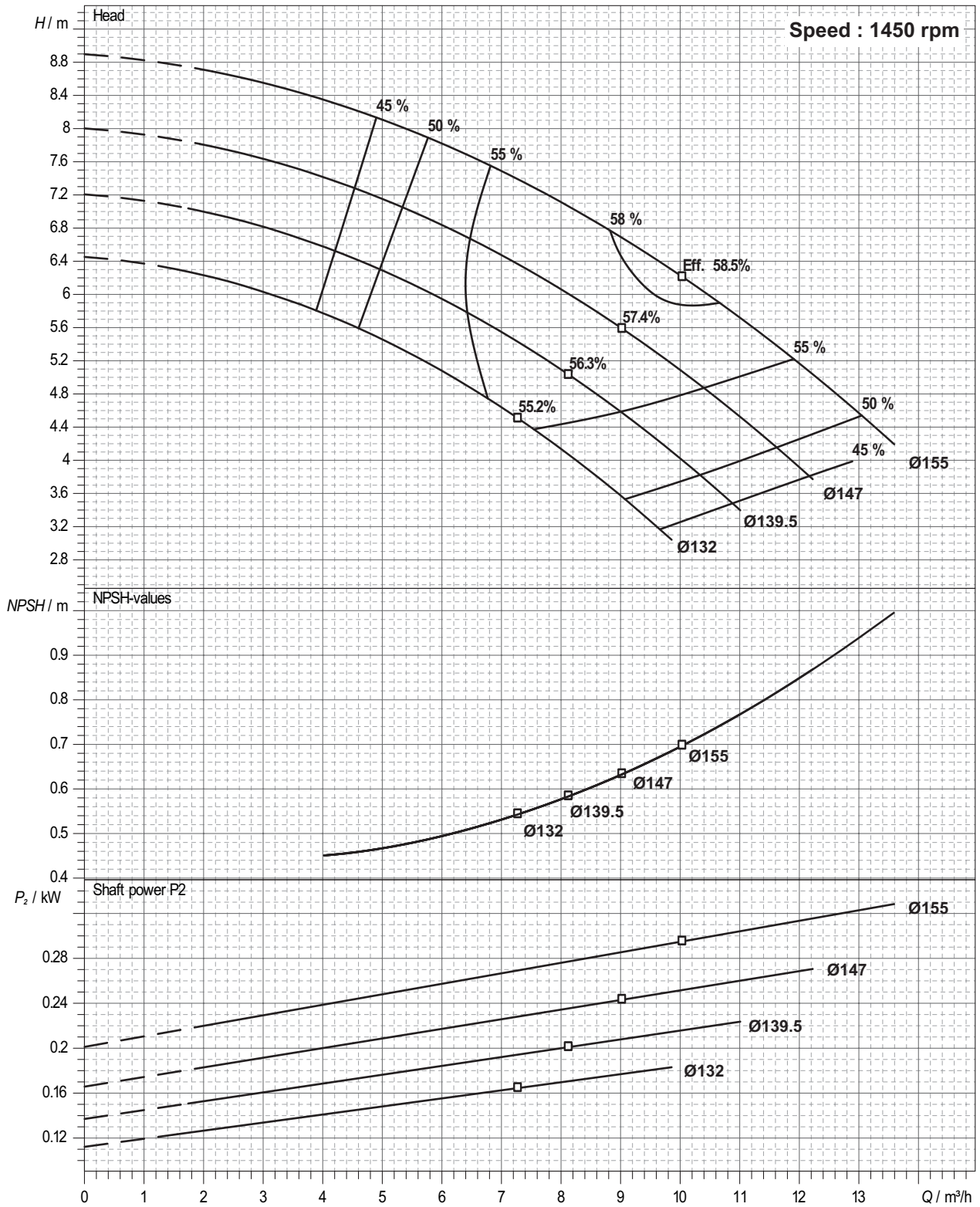
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC-IL - 1.5 x 1.25 x 6
(37.5 x 32 x 150)

Pump Size in mm : 37.5 x 32
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

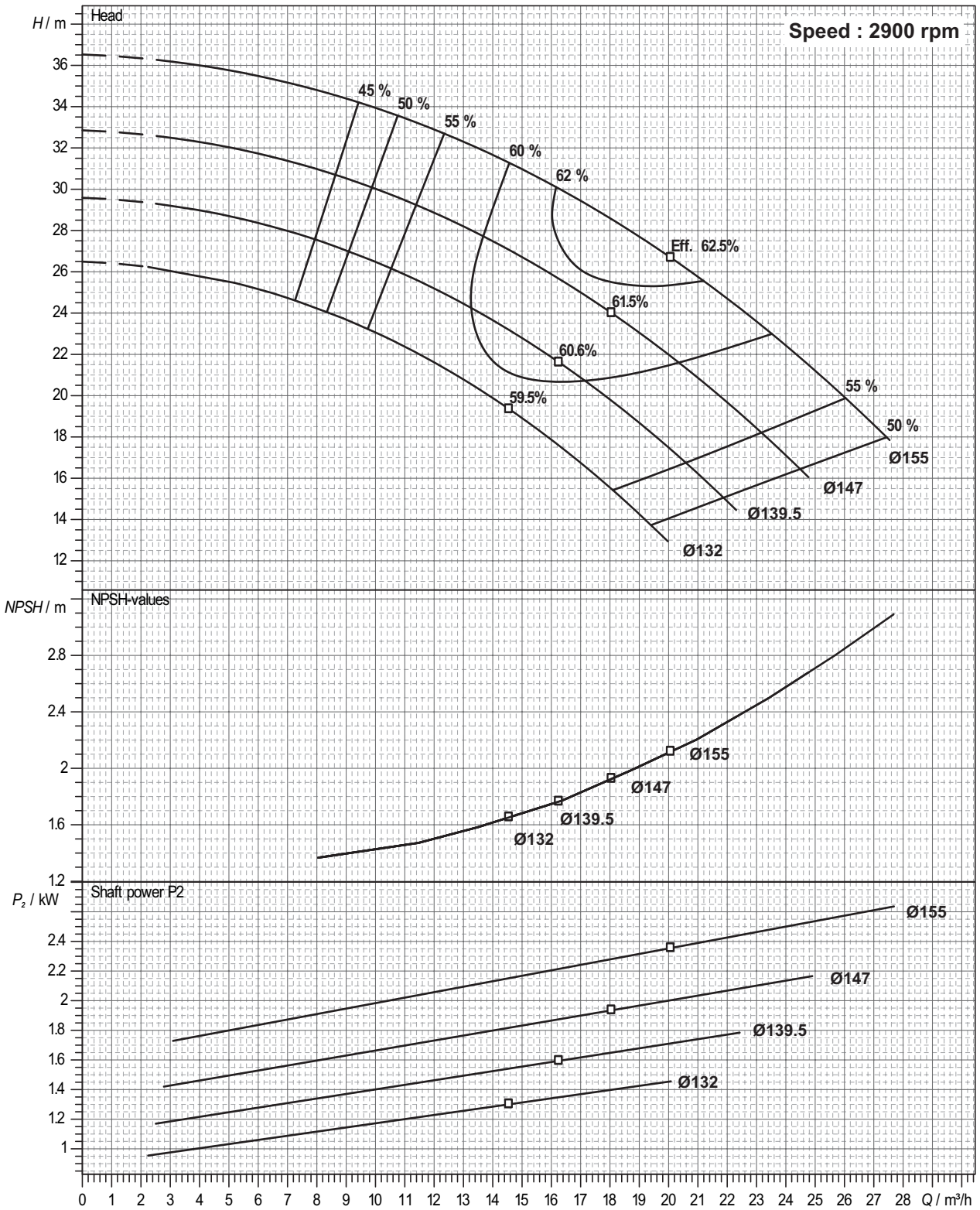
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC-IL - 1.5 x 1.25 x 6
(37.5 x 32 x 150)

Pump Size in mm : 37.5 x 32
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO : 9906, Grade 2B

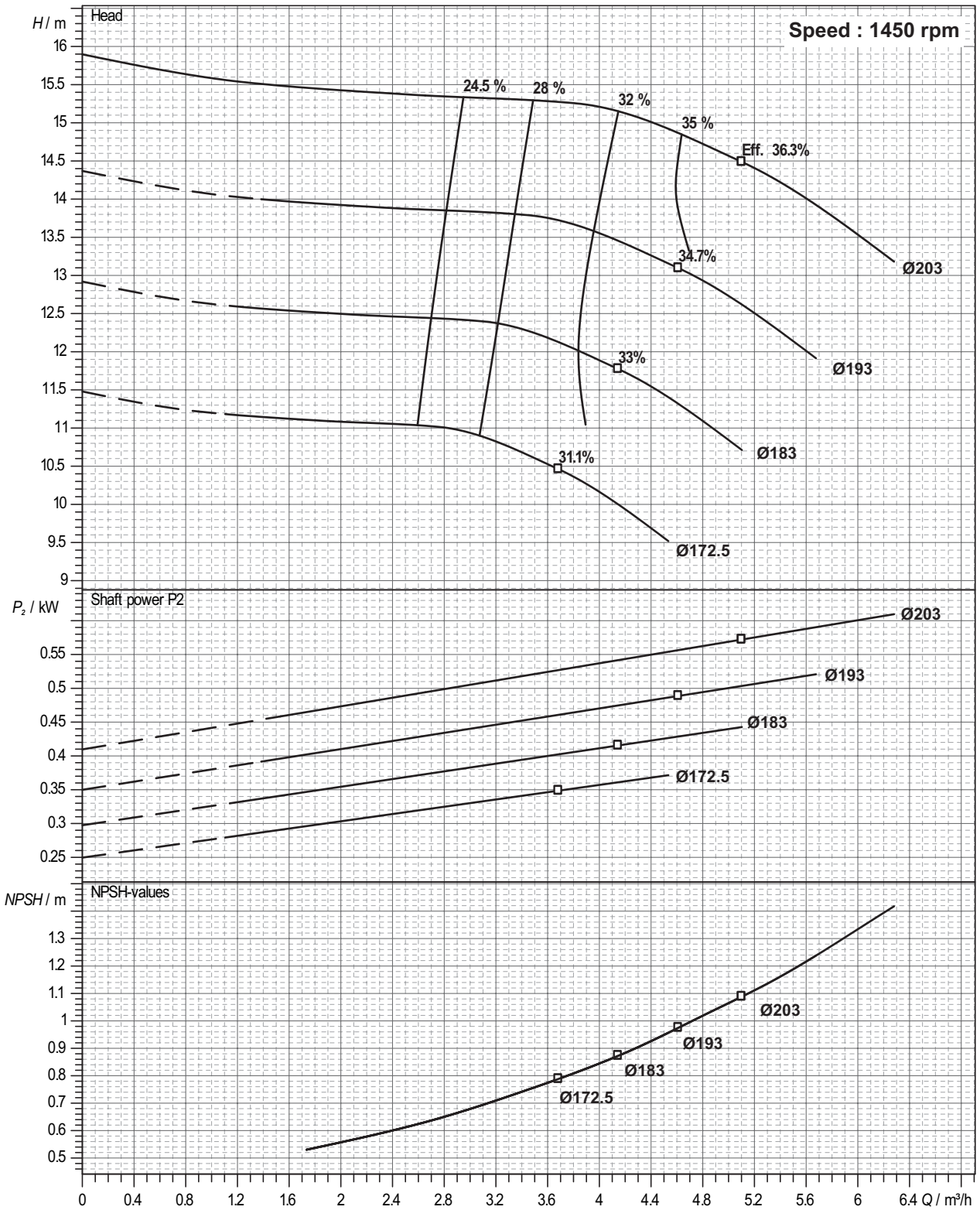
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC-IL - 1 x 0.75 x 8
(25 x 18.75 x 200)

Pump Size in mm : 25 x 18.75
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

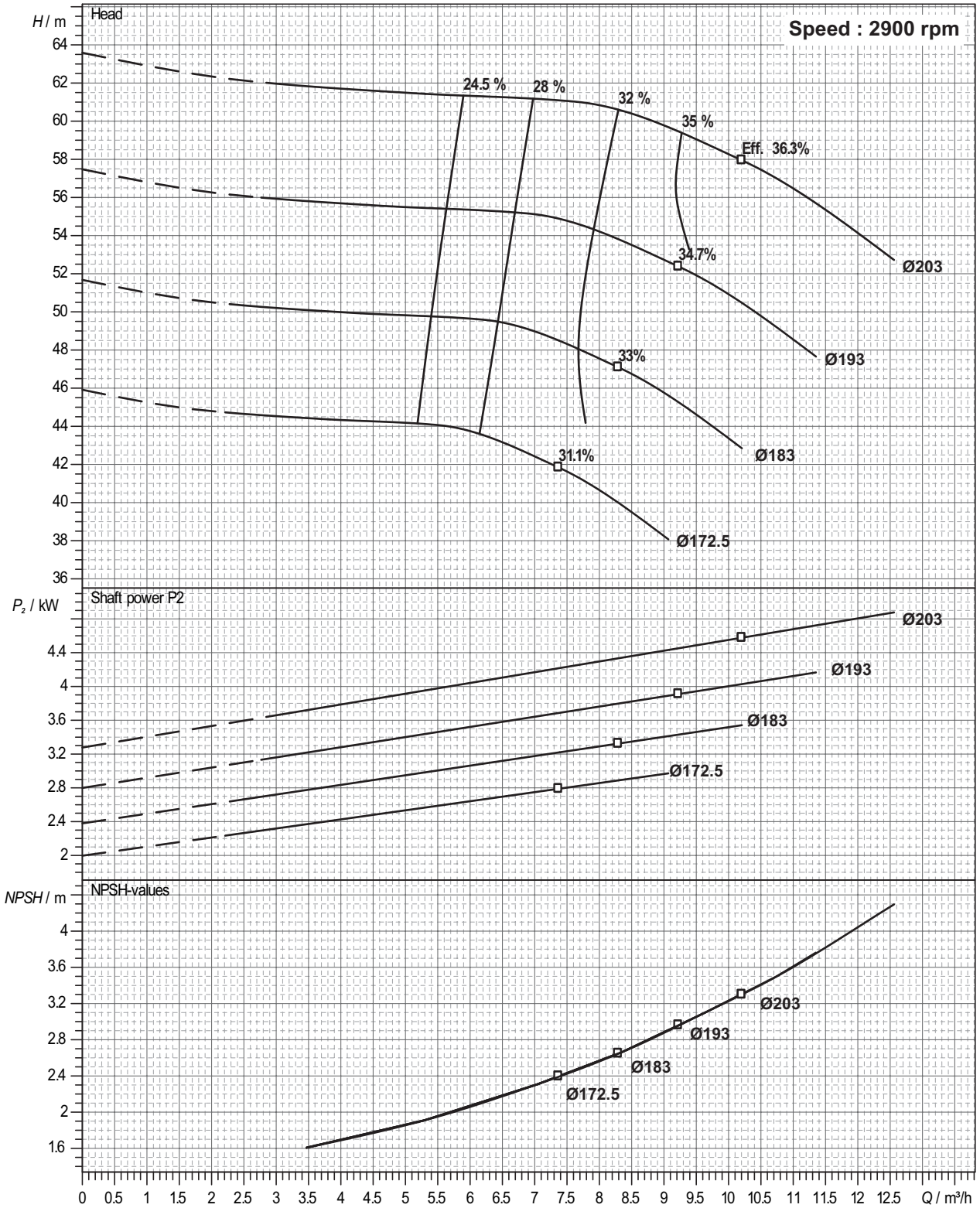
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC-IL - 1 x 0.75 x 8
(25 x 18.75 x 200)

Pump Size in mm : 25 x 18.75
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

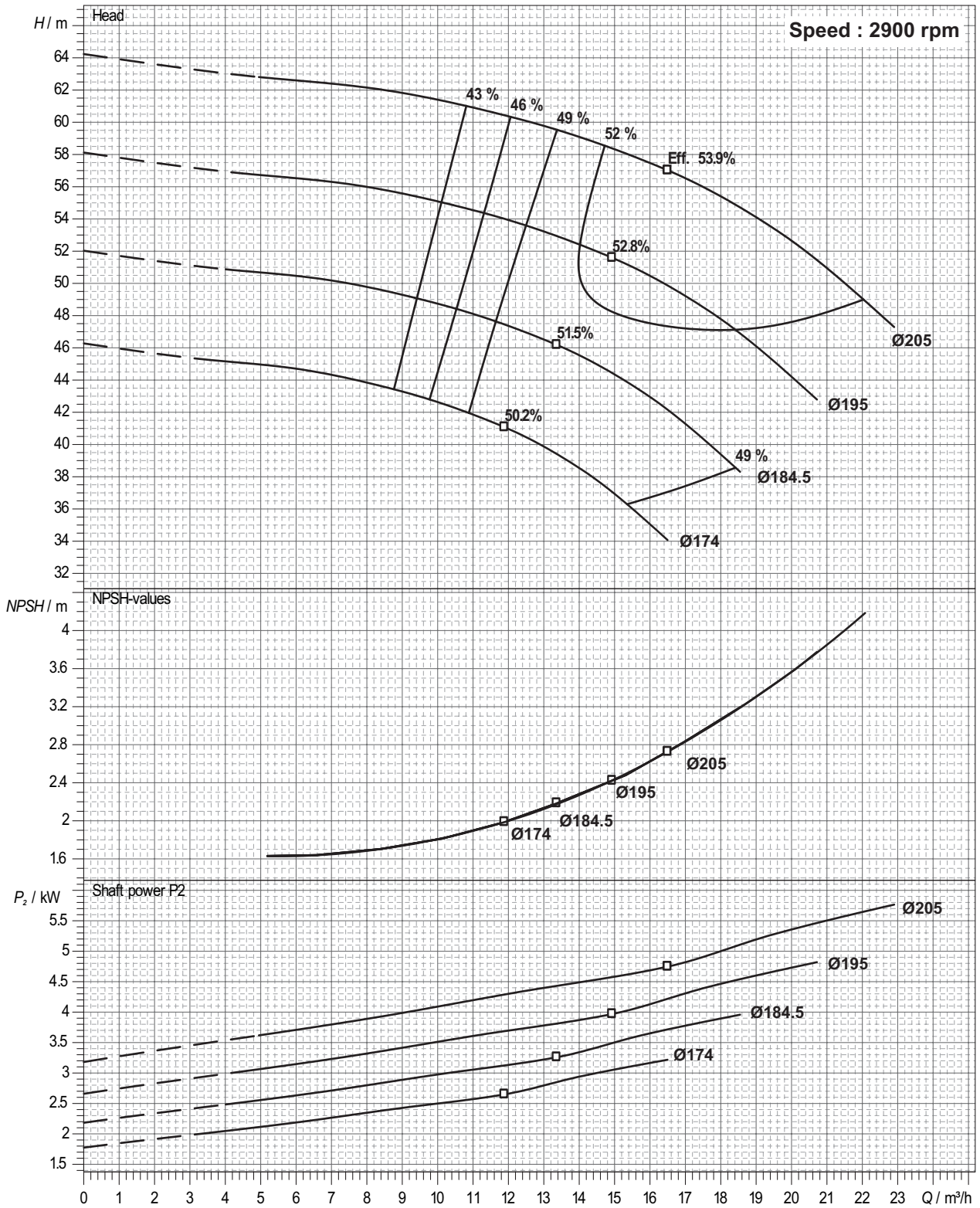
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC-IL - 1.25 x 1 x 8
(32 x 25 x 200)

Pump Size in mm : 32 x 25
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

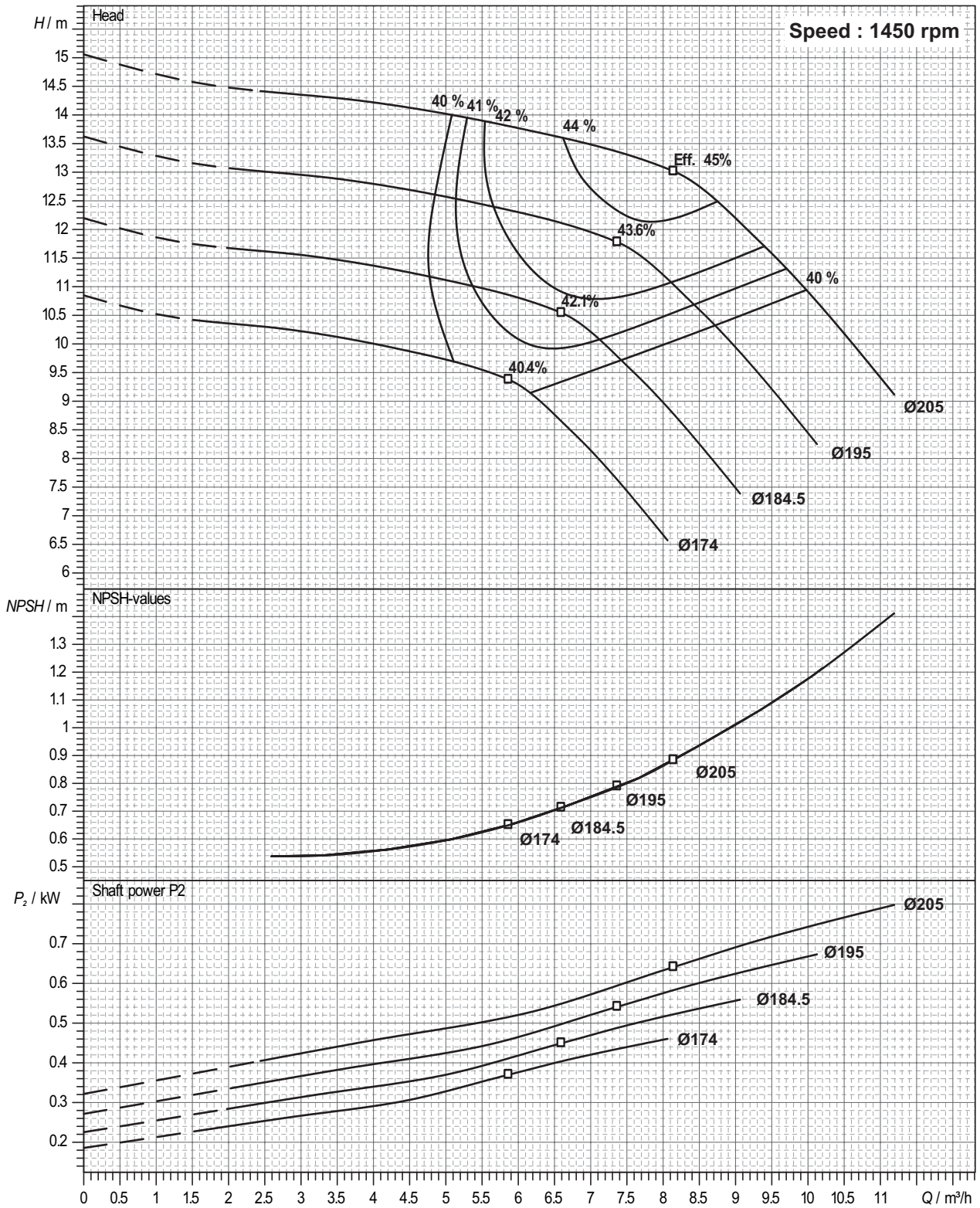
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECC-IL - 1.25 x 1 x 8
(32 x 25 x 200)

Pump Size in mm : 32 x 25
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice

W I N N I N G W A Y S

When you have a good thing going it is quite in the fitting of things that recognitions come our way. Several prestigious awards, which decorate our shelf, say it all. These rewards not only acknowledge our position as a leader in the water pump industry but also serve as reminders about what the customer expects from a winner. And we, as ever, have our ears perfectly tuned to customer expectations.



C.R.I. PUMPS (PVT) LIMITED

(International Division)

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