

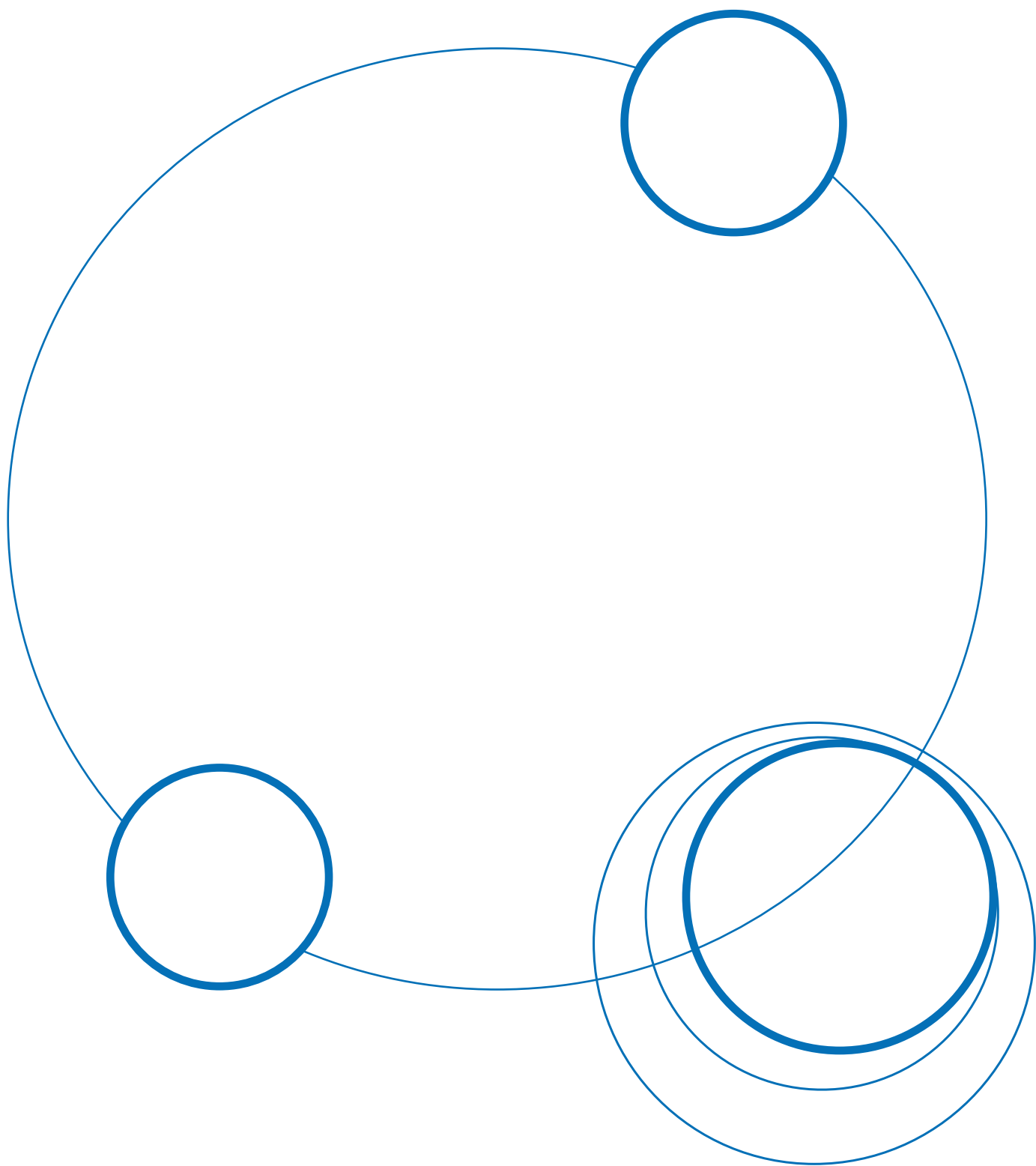
ENR



End Suction Centrifugal Pump

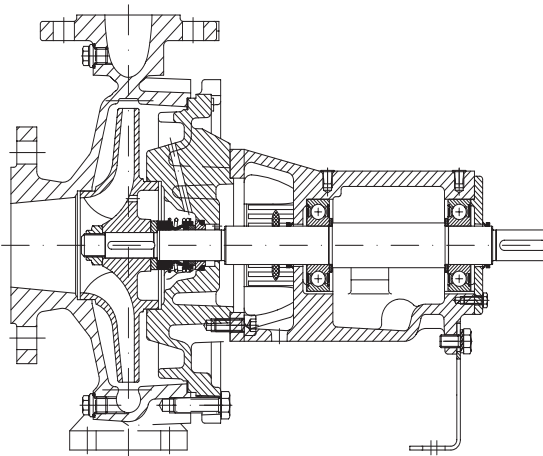
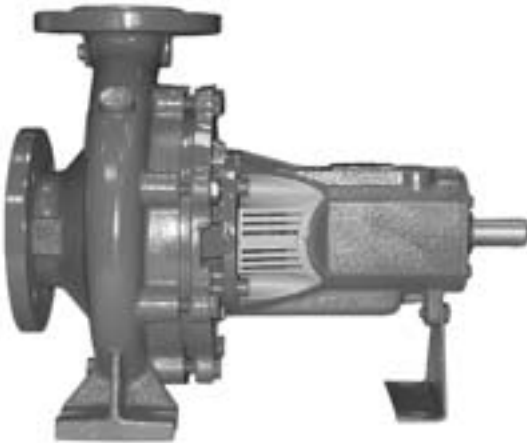


Temporary





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DESCRIPTION

Single-stage end suction centrifugal pump. Volute pump casing with cast pump feet. Bearing support with foot. Axial suction and radial discharge upwards. Totally enclosed radial impeller. Hydraulic balance by means of wearing ring and balancing holes. Lifetime lubricated ball bearings. Mechanical shaft seal according to DIN 24960 (Gland packing optional).

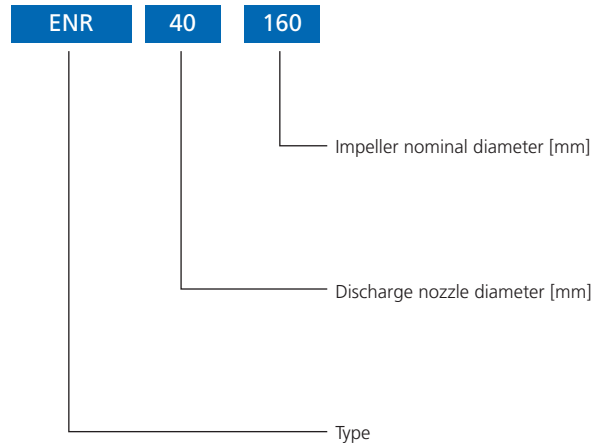
APPLICATIONS

- Water supply duties for municipalities and industries.
- Irrigation.
- Drainage clean water.
- Heating and air conditioning.
- Hot and chilled water.
- Fresh and sea water.
- Fire protection.

TECHNICAL PECULIARITIES

The ENR pump is designed for pumping clean water according with EN 733 (DIN 24255), plus 19 additional sizes. The design of the pump allows the complete drive unit to be withdrawn from the casing without disturbing the attached pipe work. If a spacer type coupling is used, it is also unnecessary to disconnect the motor. The range covers 50 sizes with only 5 different bearing brackets.

IDENTIFICATIONAL CODE



SPECIFICATIONS

PUMP AND MOTOR

| | | | |
|------------------|--------------------------|--|--|
| Range | Maximum speed | 3600 rpm | |
| | Maximum capacity | 2.000 m ³ /h | |
| | Maximum pressure | 150 m | |
| Fluids | Characteristics | Clean fluids | |
| | Maximum temperature | -20°C ~ +120°C | +120°C ~ +170°C |
| | Maximum working pressure | 16 / 10 ⁽¹⁾ / 14 ⁽²⁾ bar | 14 / 9 ⁽¹⁾ / 8 ⁽²⁾ bar |
| Materials | Casing | Cast iron GG-25 | |
| | Impeller | Cast iron GG-25 | Bronze G-CuSn10 |
| | Shaft | AISI 420 Stainless Steel 1.4021 | |
| | Shaft sleeve | AISI 420 Stainless Steel 1.4021 | |
| | Mechanical seal | Silicon Carbide / Carcon - EPDM ⁽³⁾ | |
| | Bearings | Lifetime lubricated ball bearings | |
| Drive | Motor | Electric, Engine, Steam turbine | |

⁽¹⁾ From size 80-400 up to 300-500, except 150-500

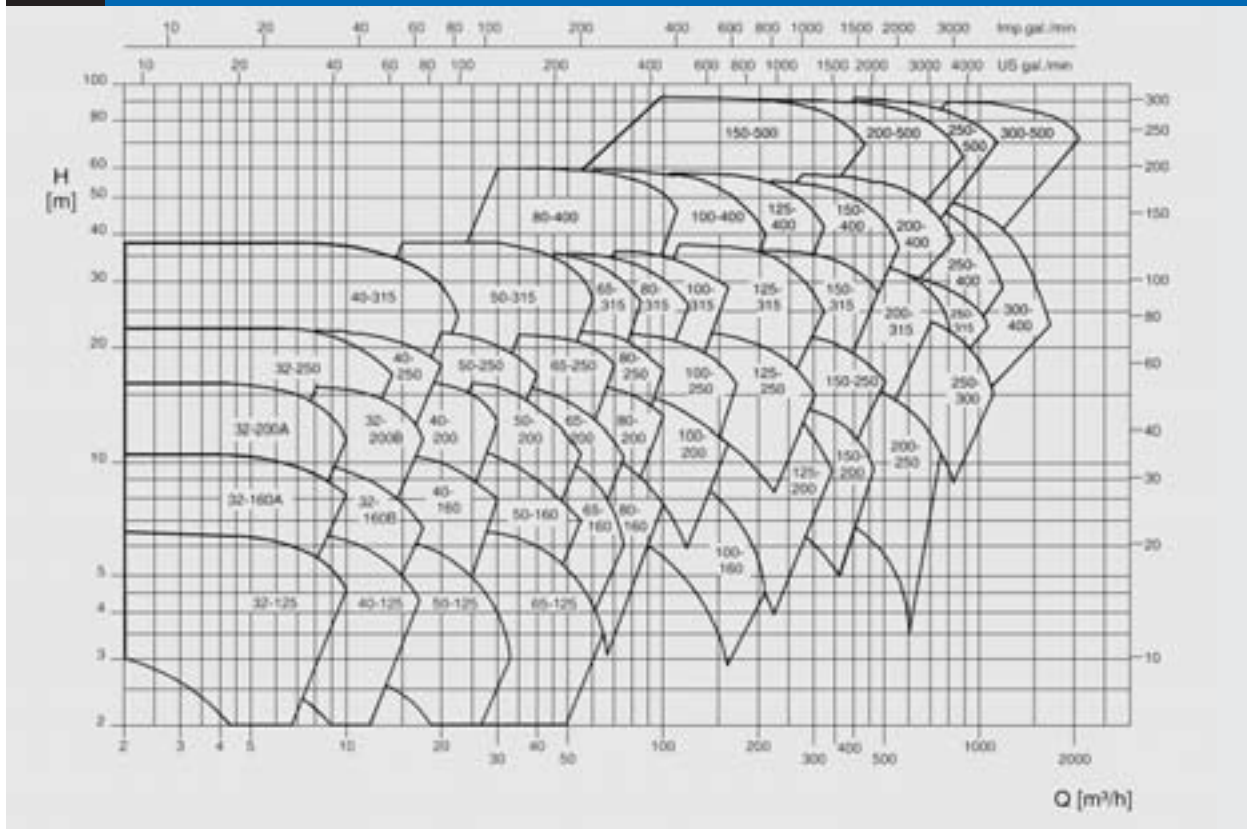
⁽²⁾ Size 150-500

⁽³⁾ Check operating limits depending on pumped fluid

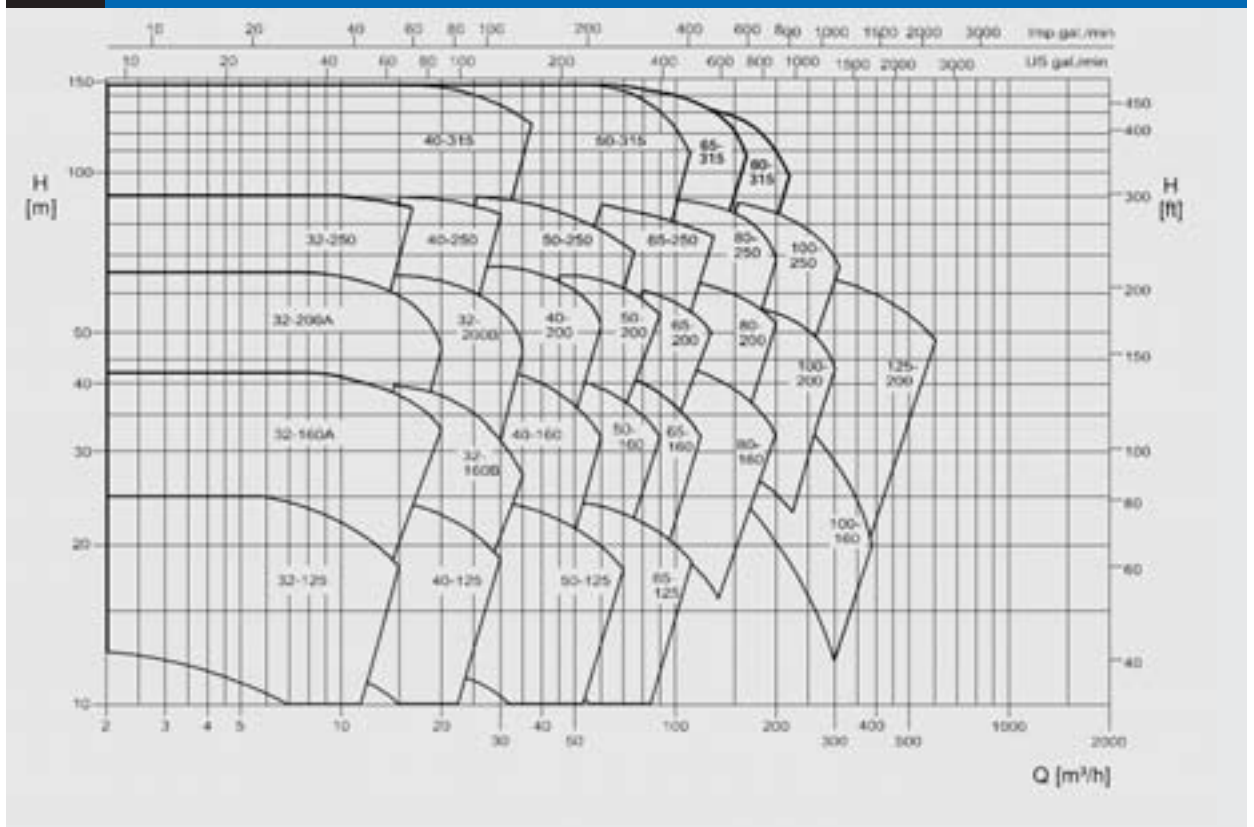
OPTIONS

- Packing
- Oil lubrication
- ANSI 150 flanges
- Interchangeable wear rings
- Special seal executions:
 - External refrigeration
 - Heating
 - Flushing
- Special materials:
 - Bronze
 - Stainless steel

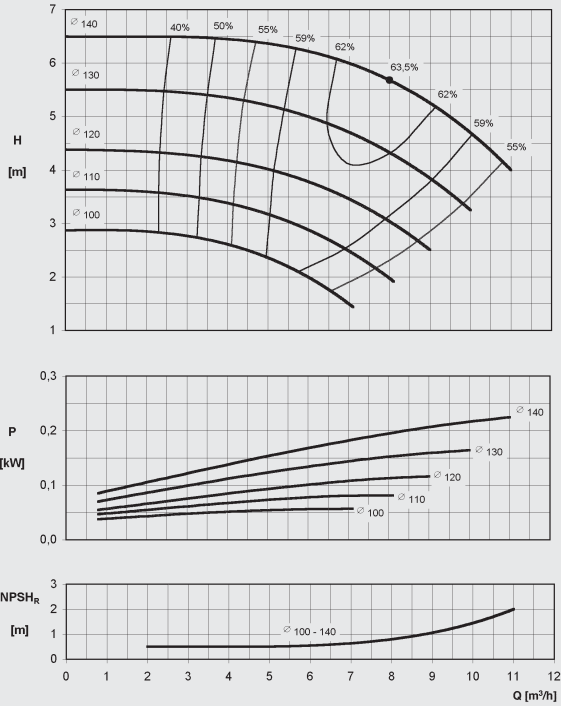
SELECTION CHART at 1.450 r.p.m.



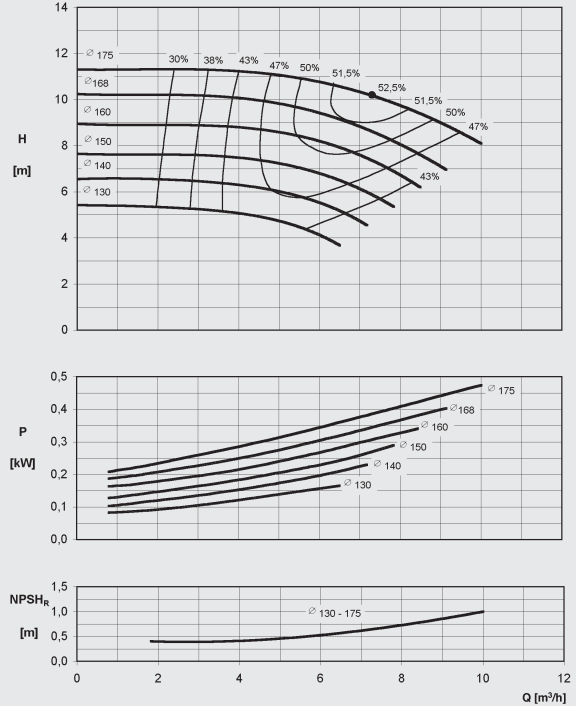
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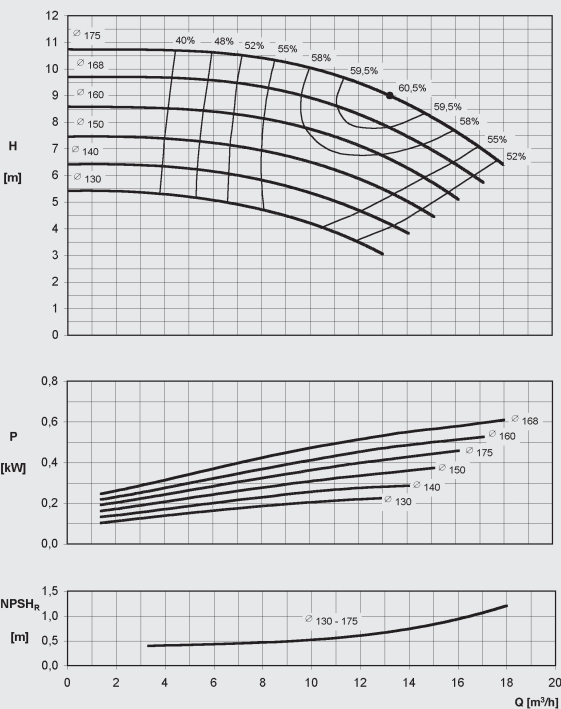
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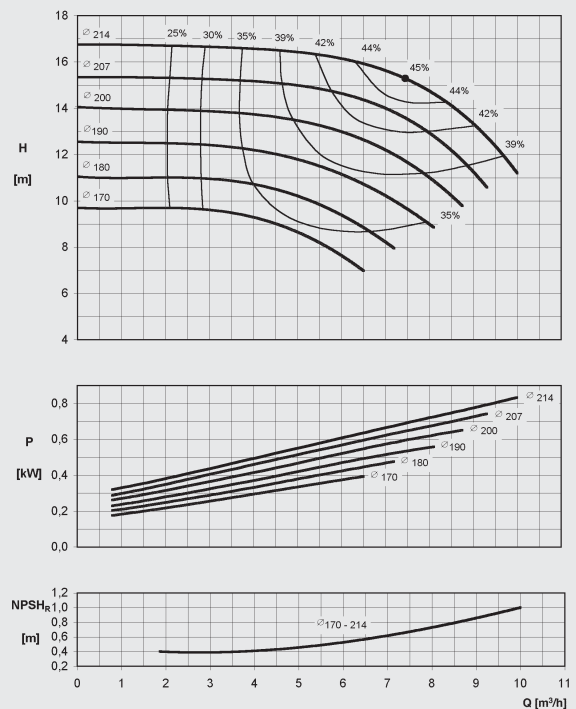
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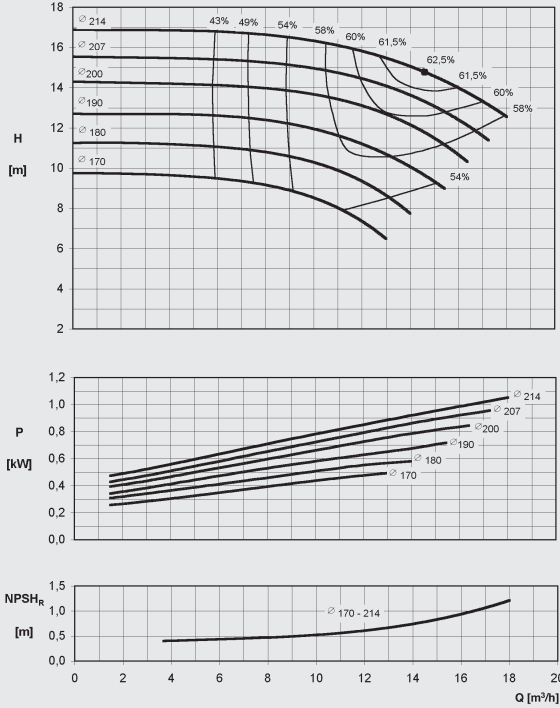
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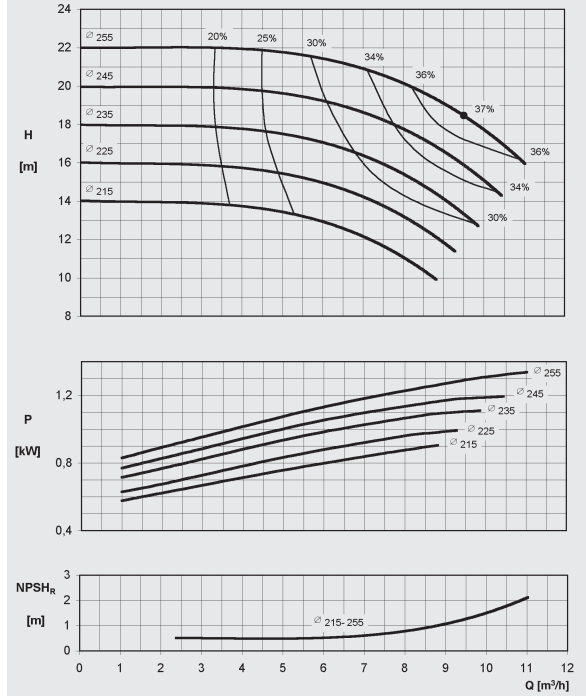
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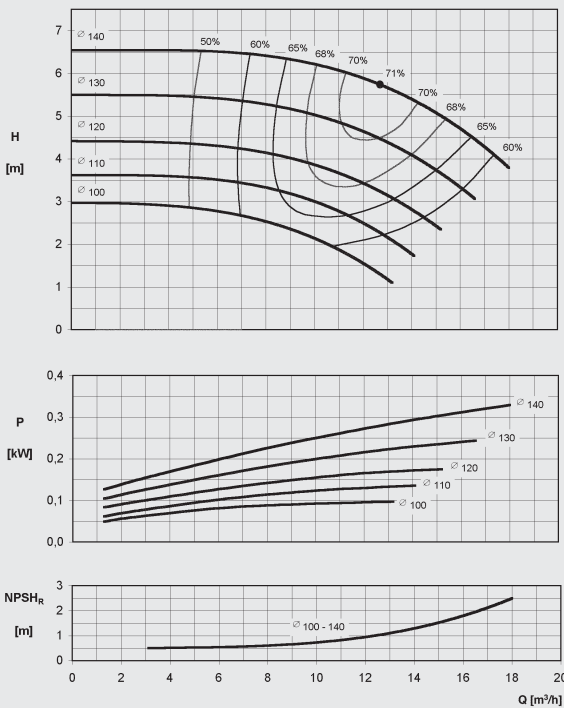
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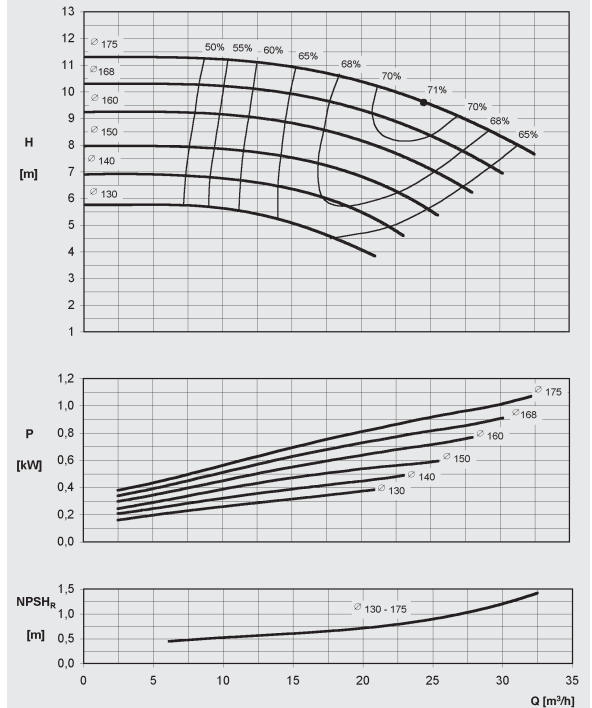
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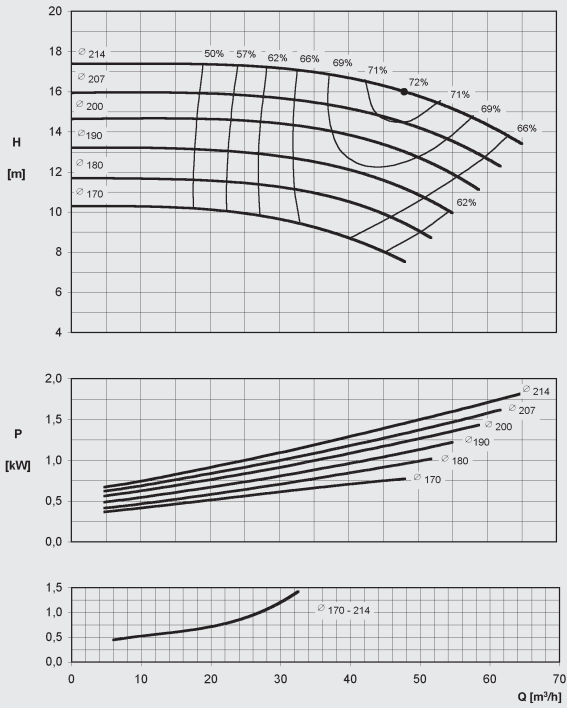
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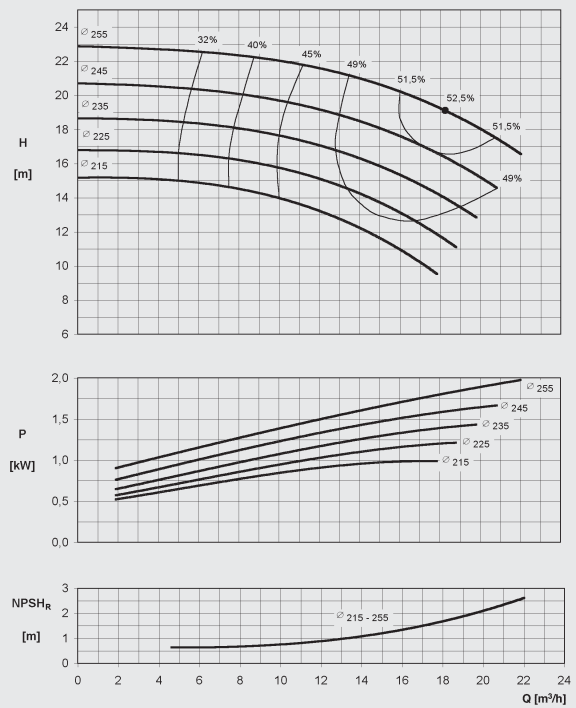
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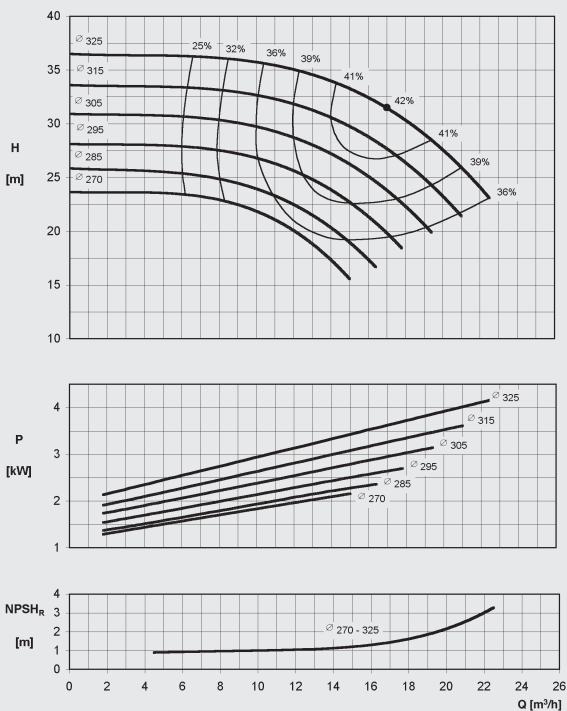
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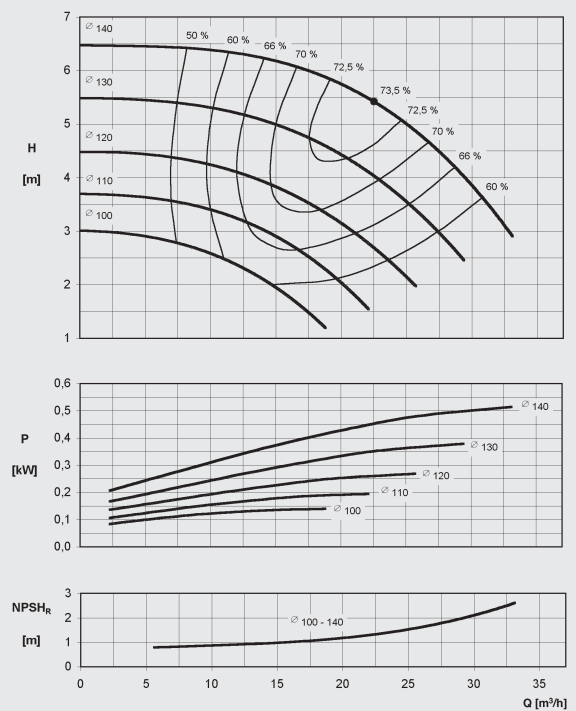
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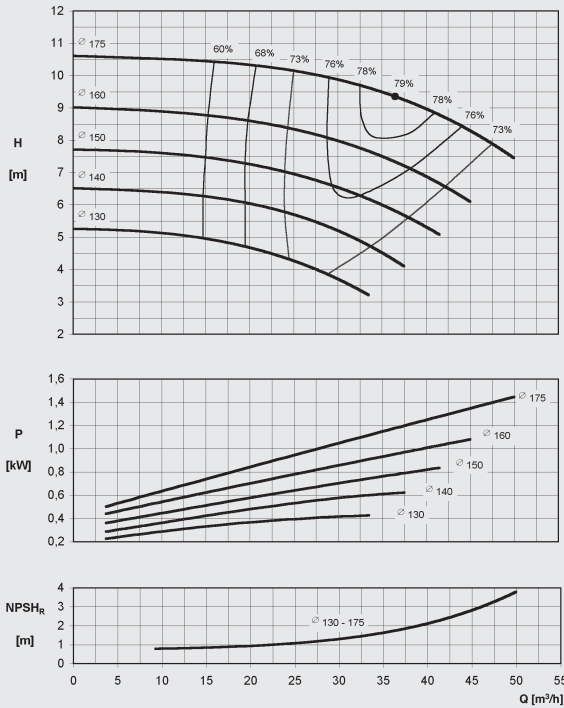
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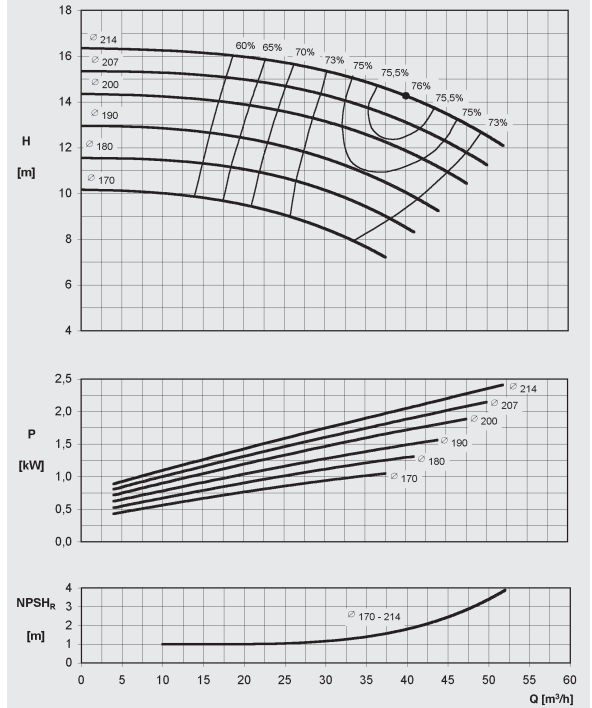
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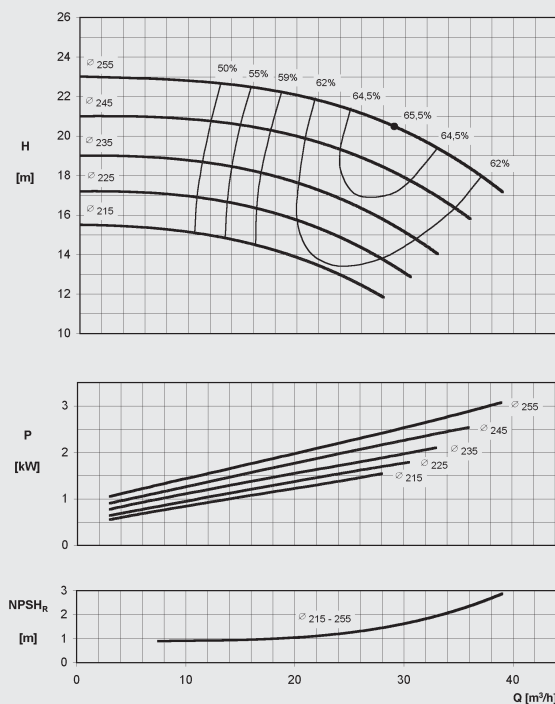
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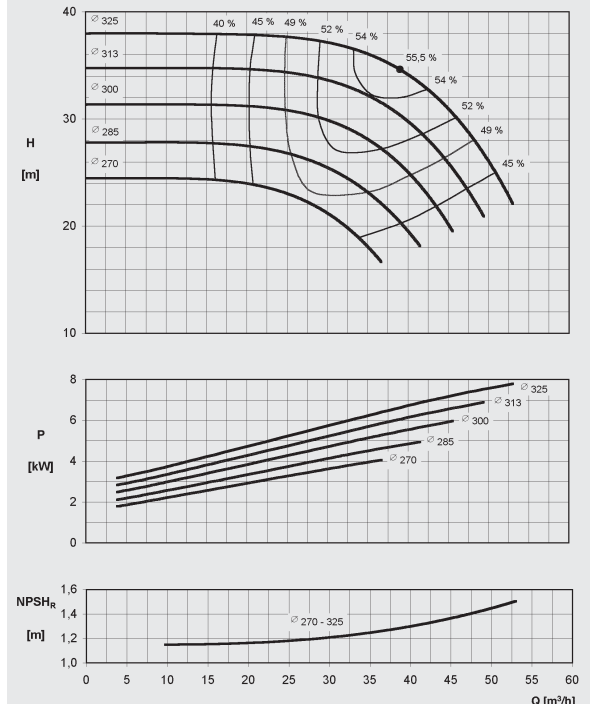
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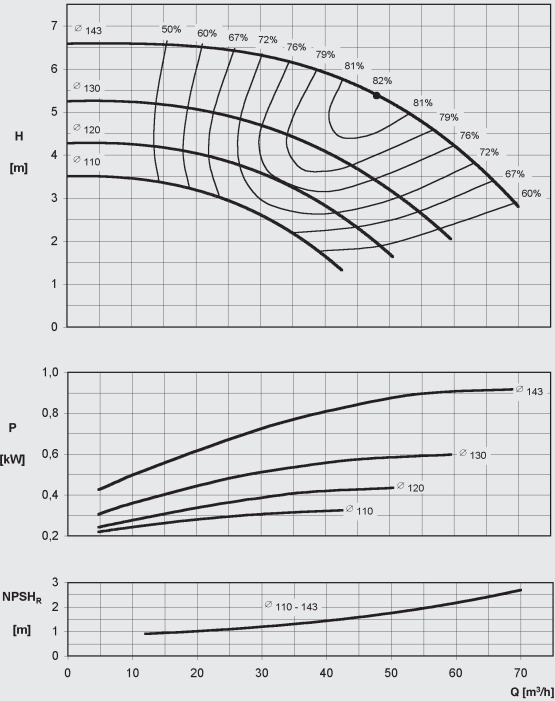
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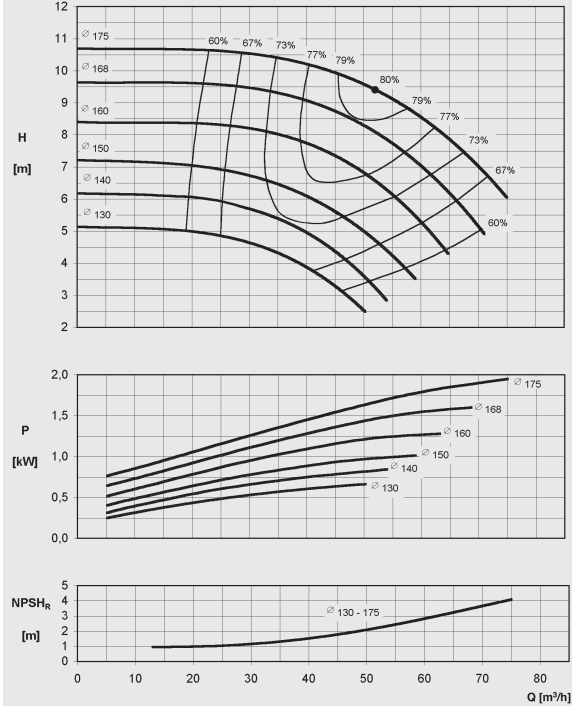
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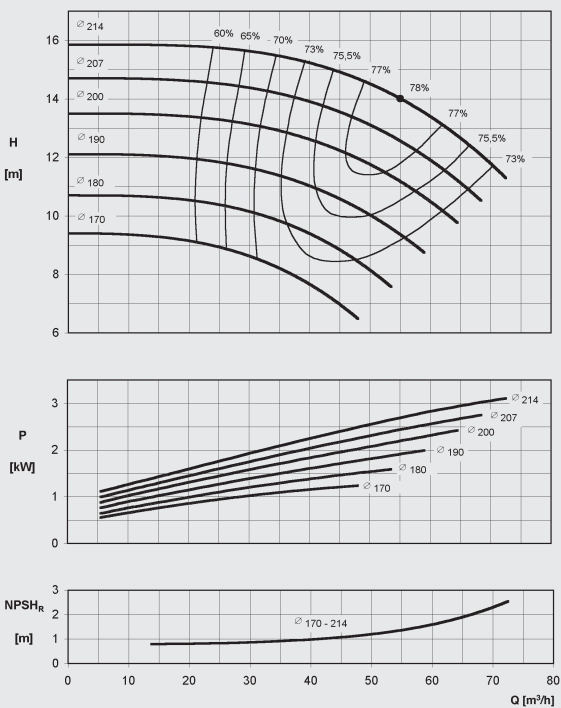
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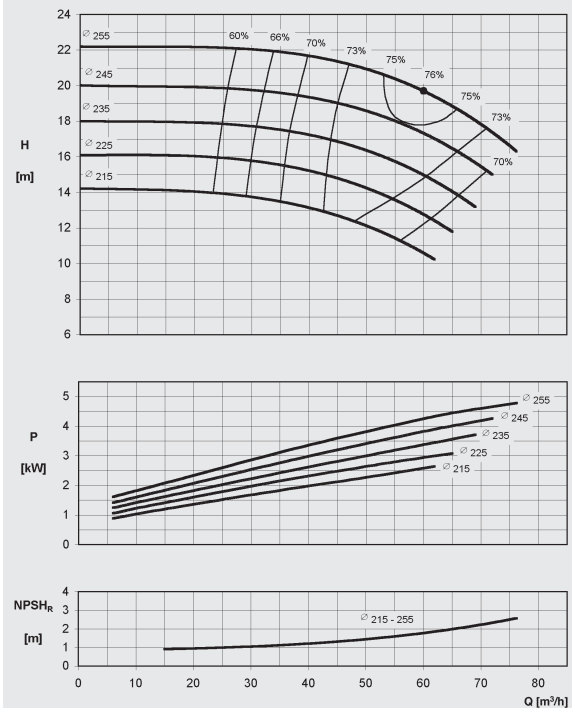
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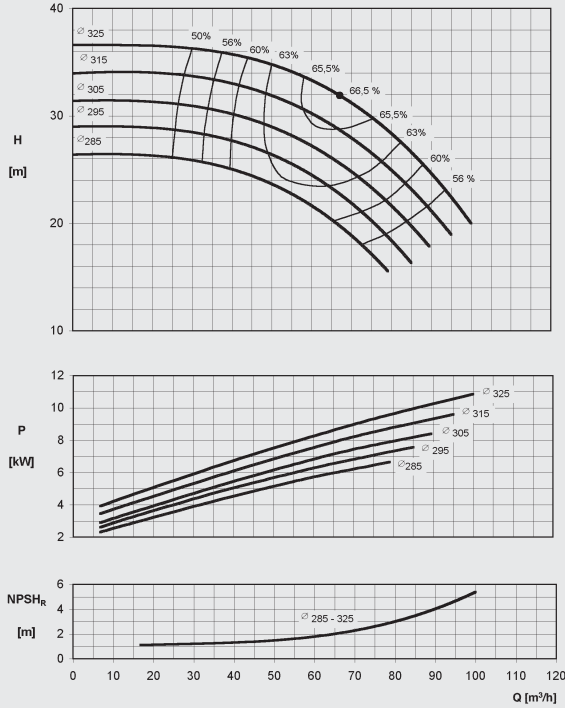
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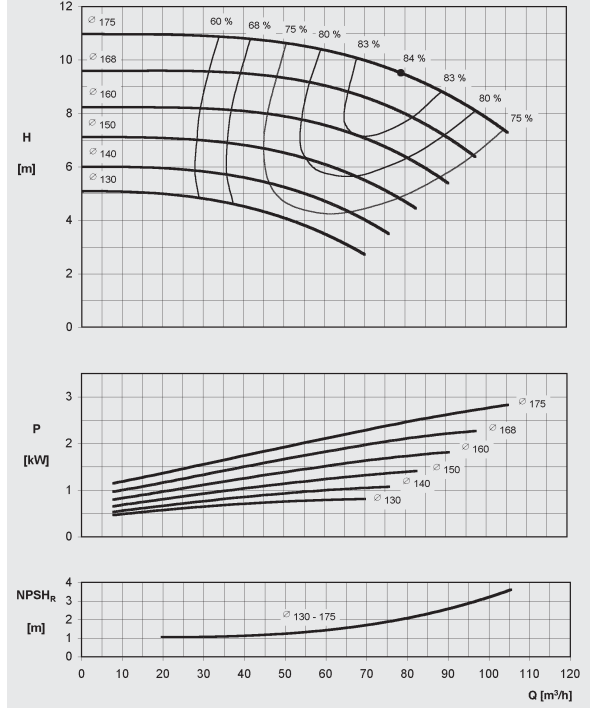
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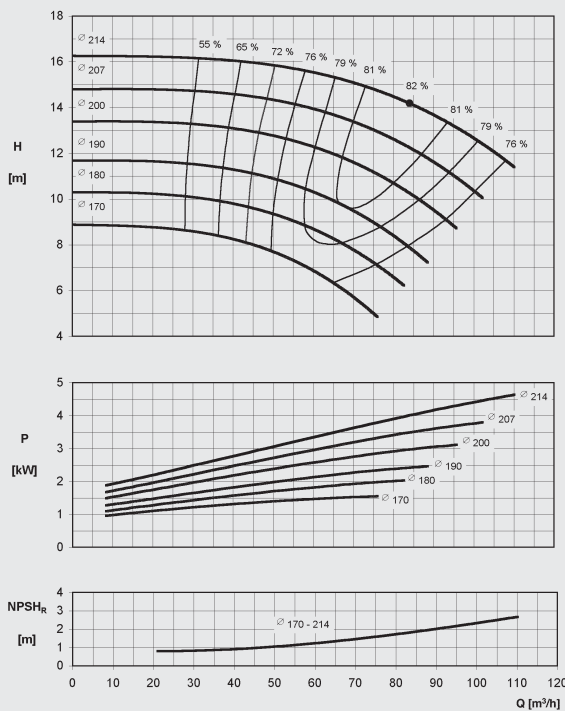
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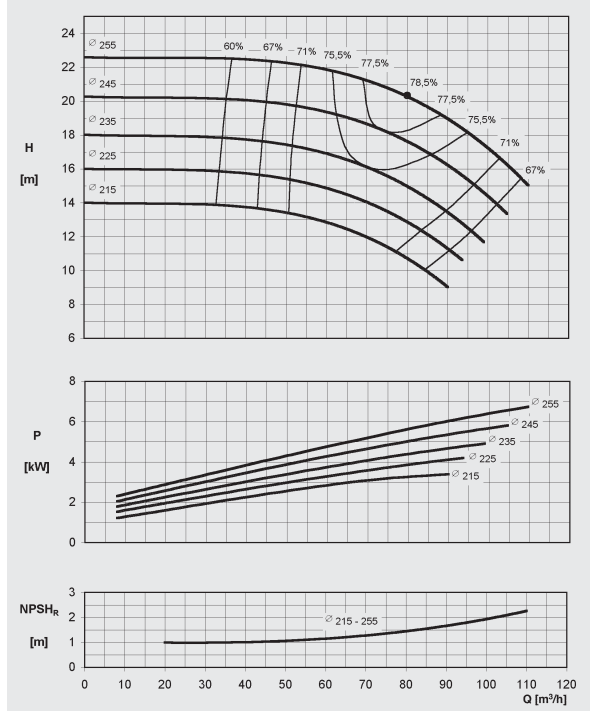
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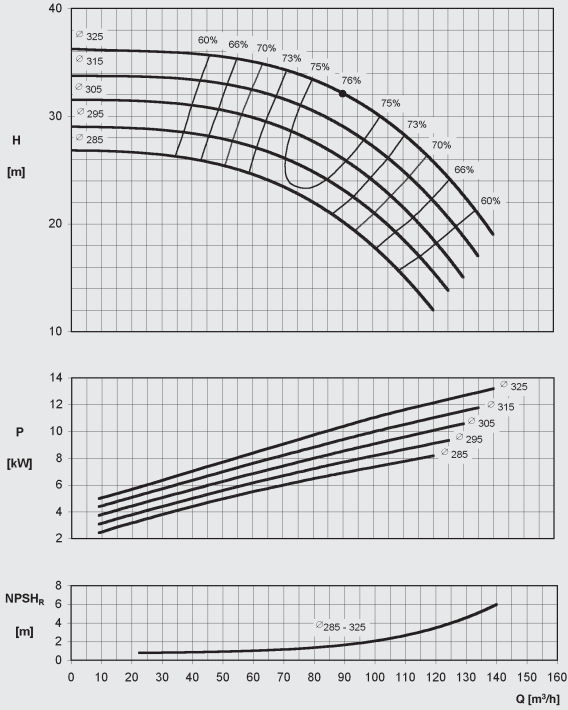
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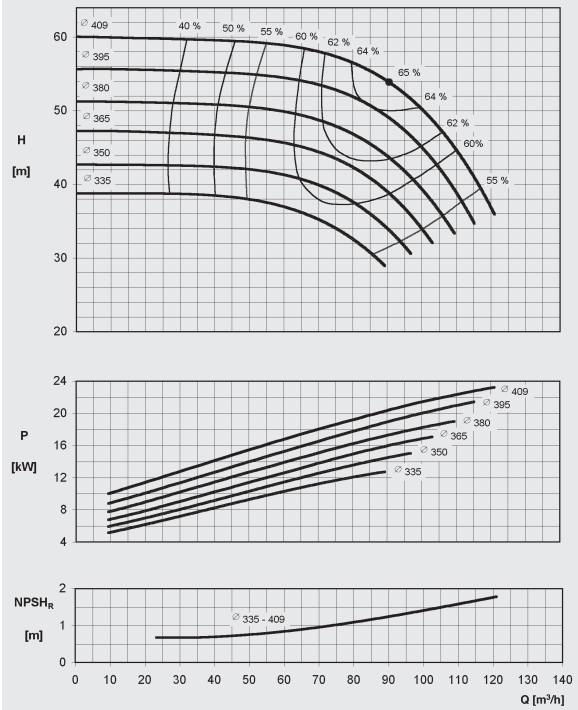
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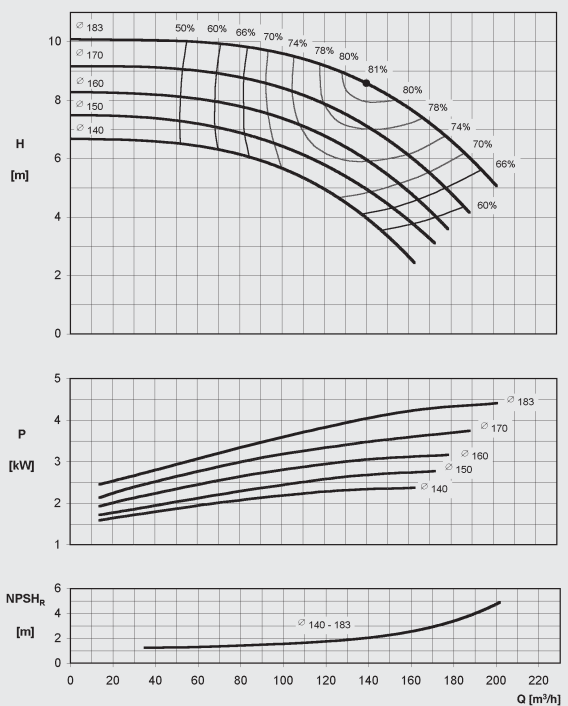
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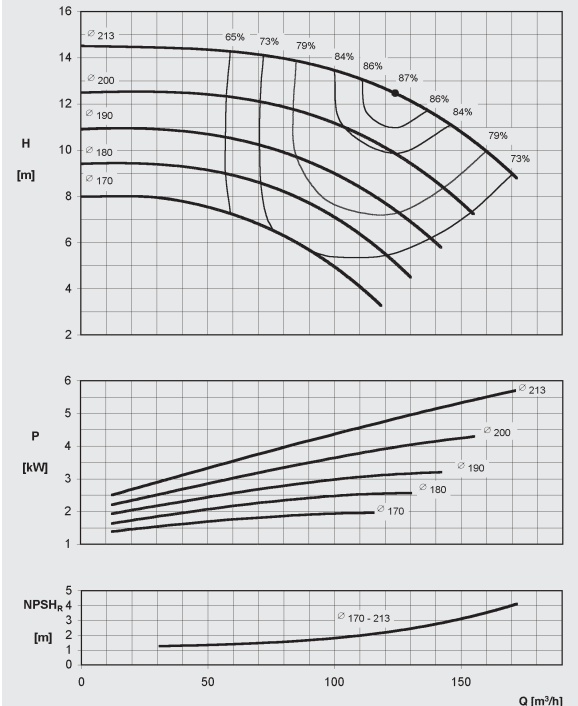
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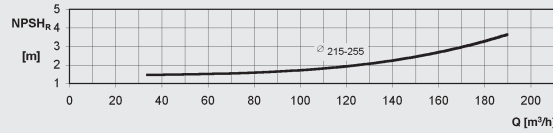
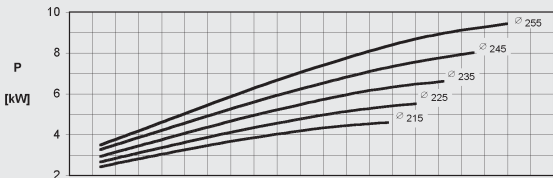
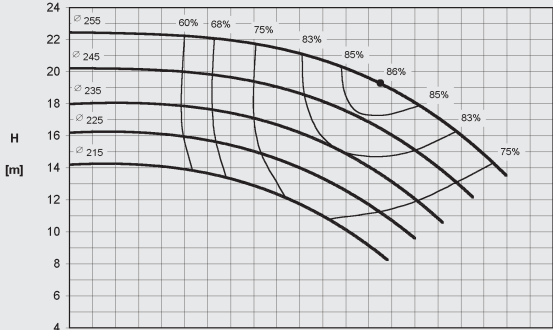
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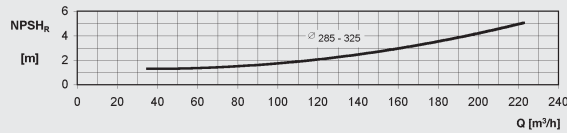
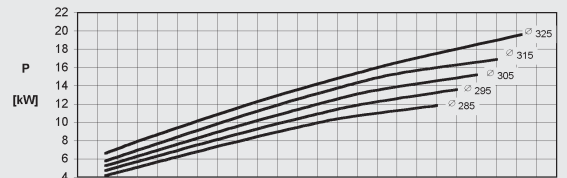
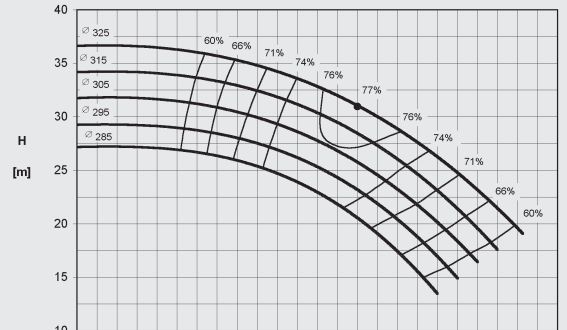
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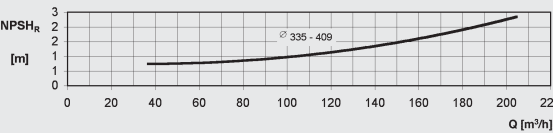
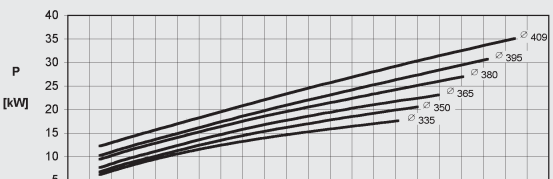
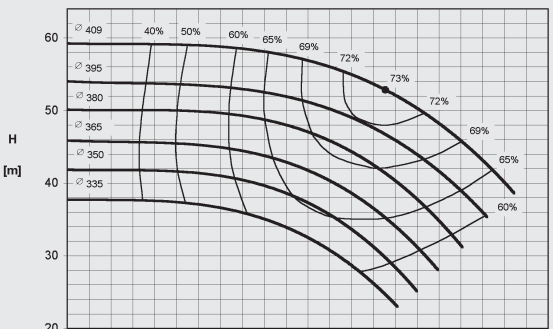
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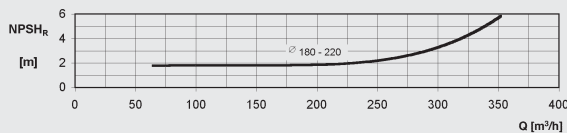
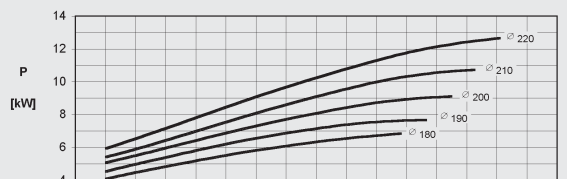
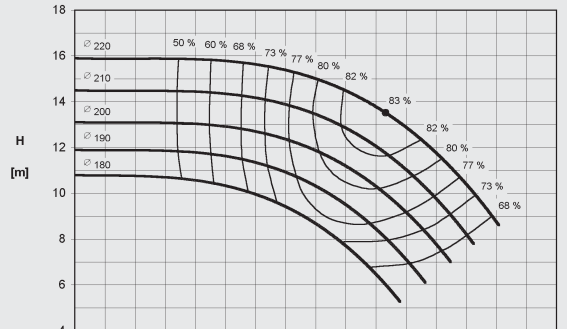
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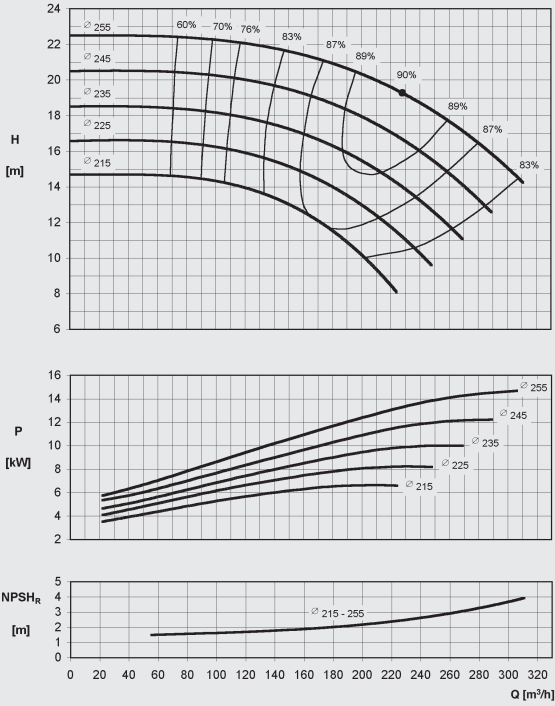
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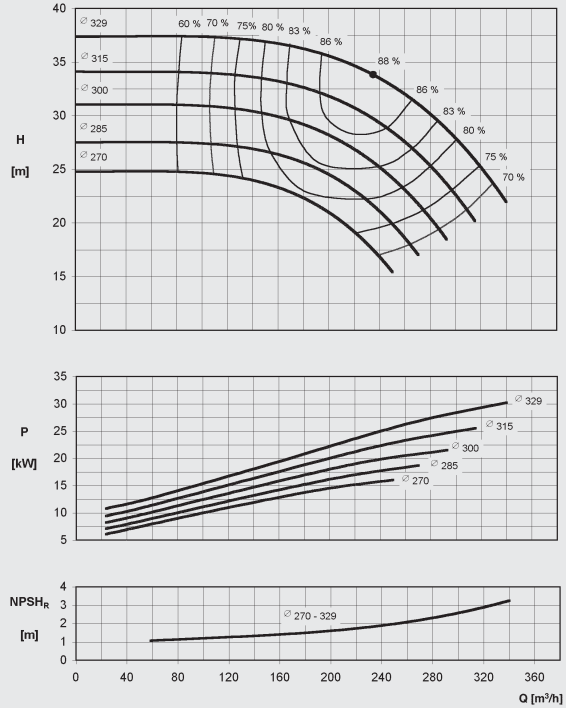
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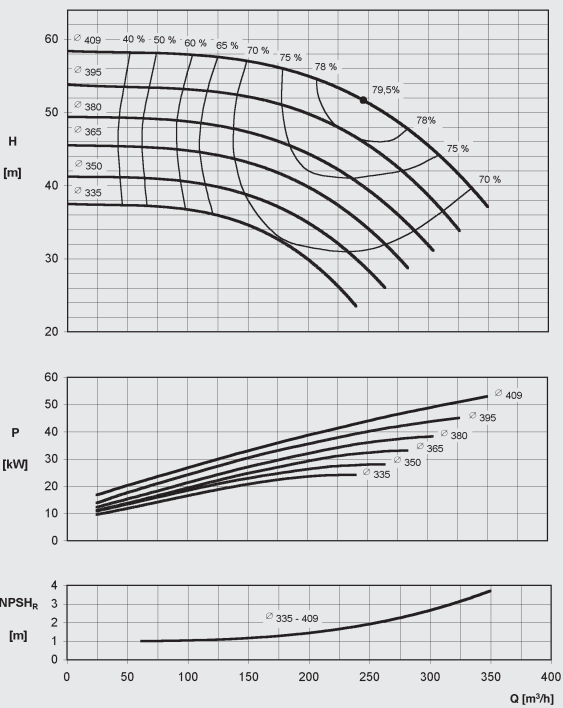
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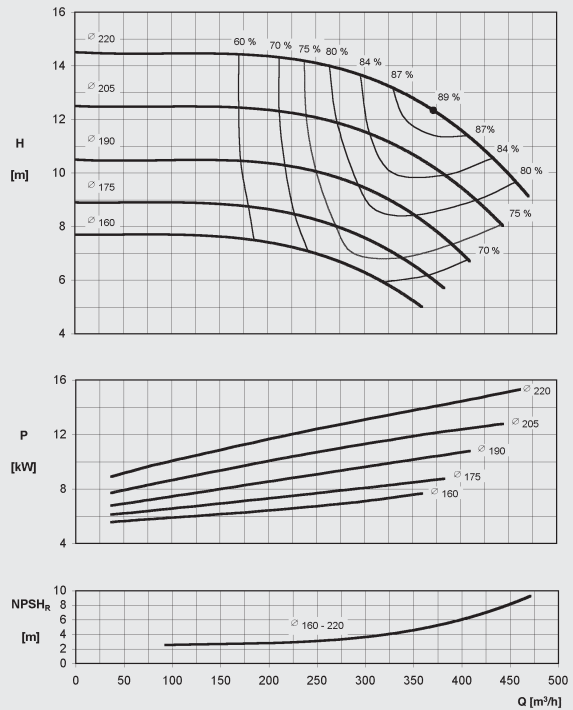
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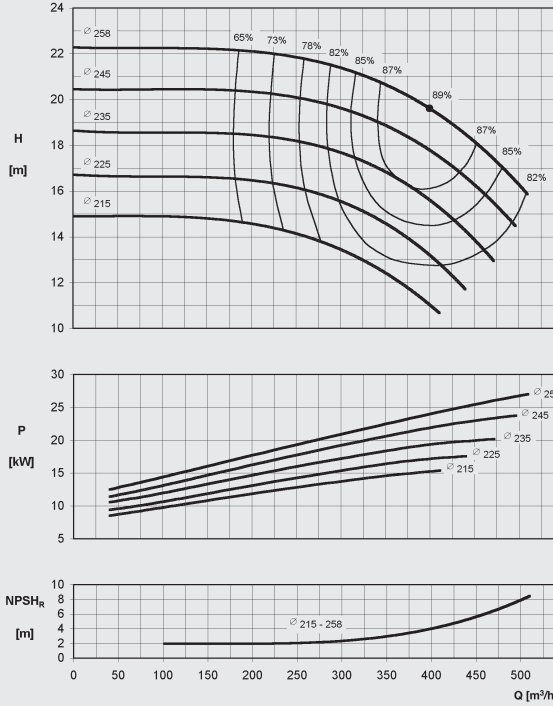
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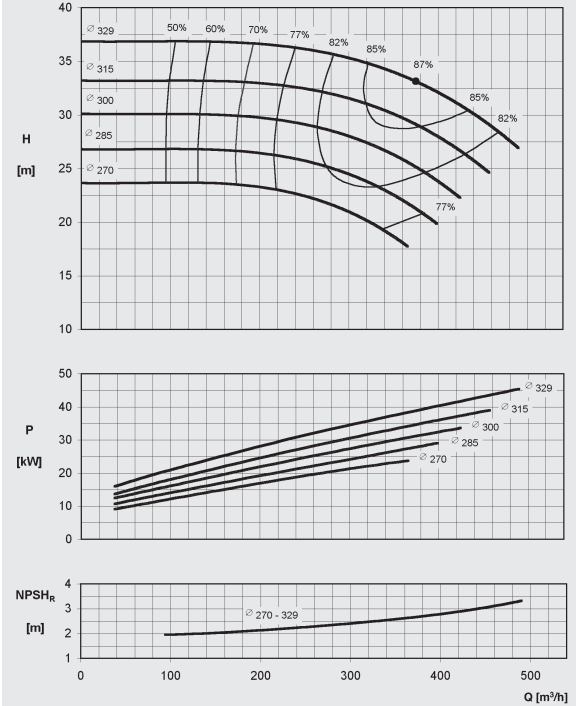
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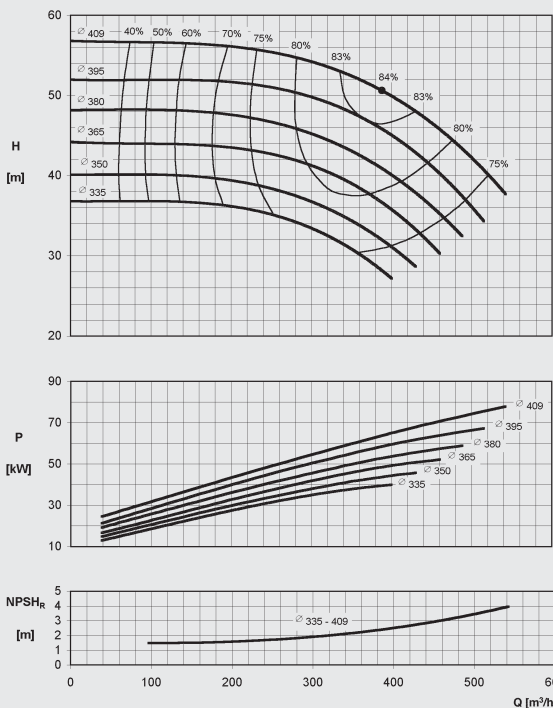
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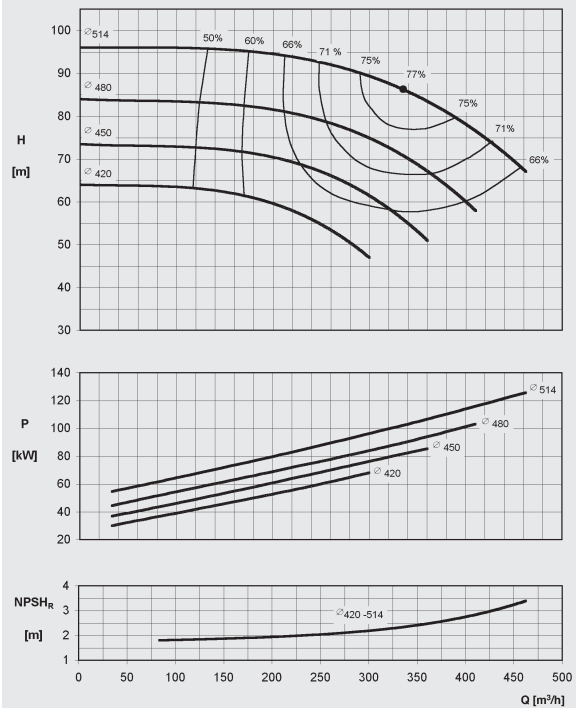
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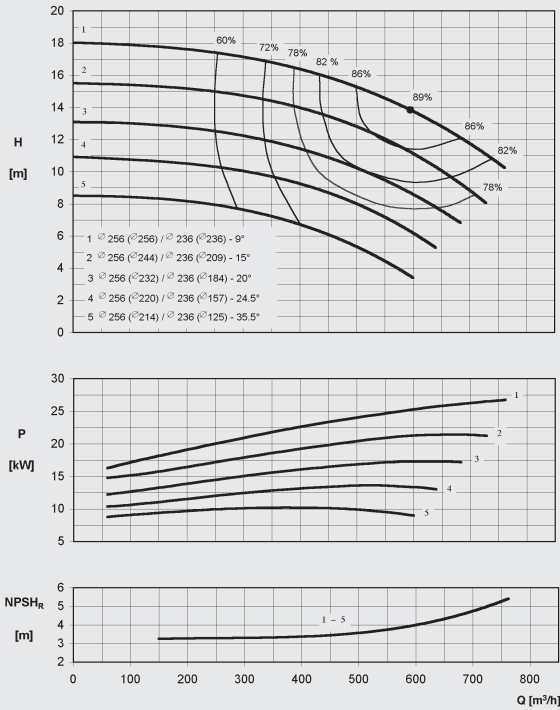
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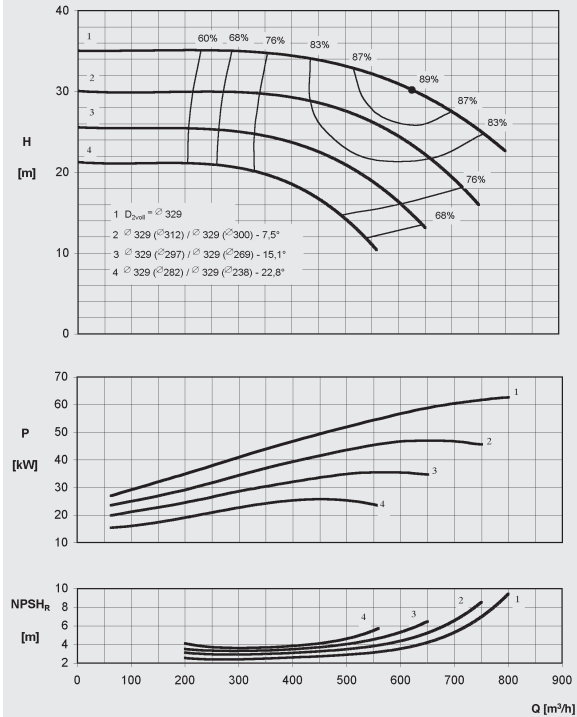
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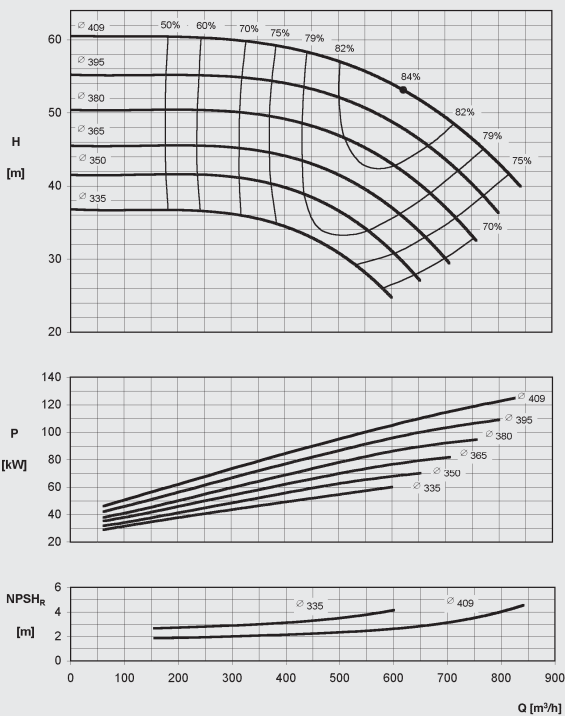
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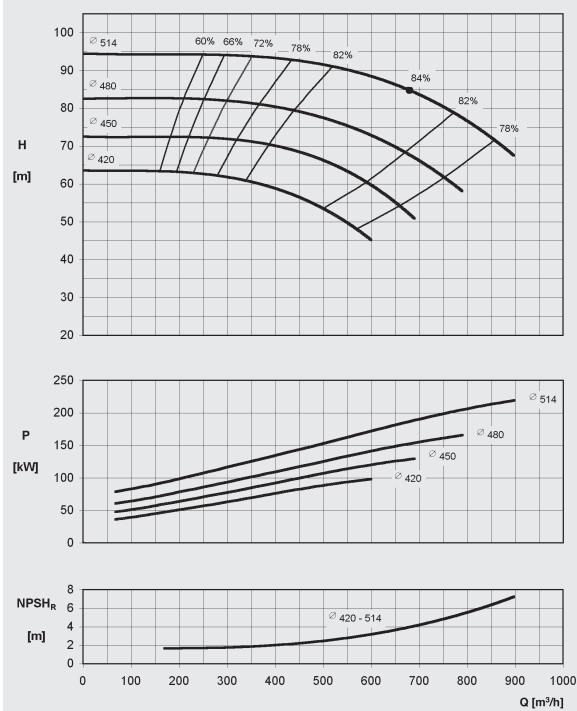
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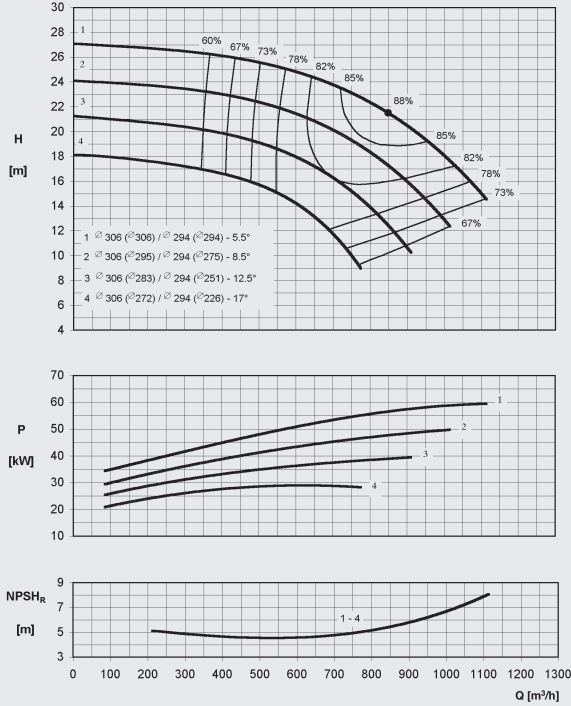
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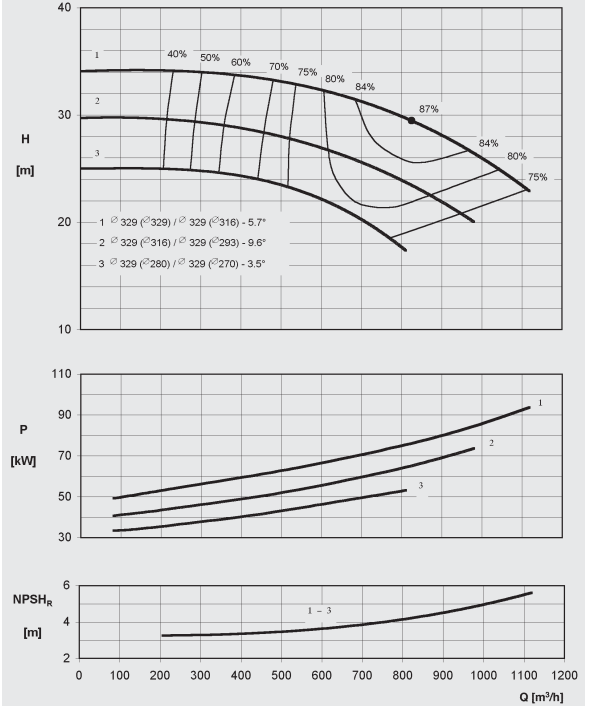
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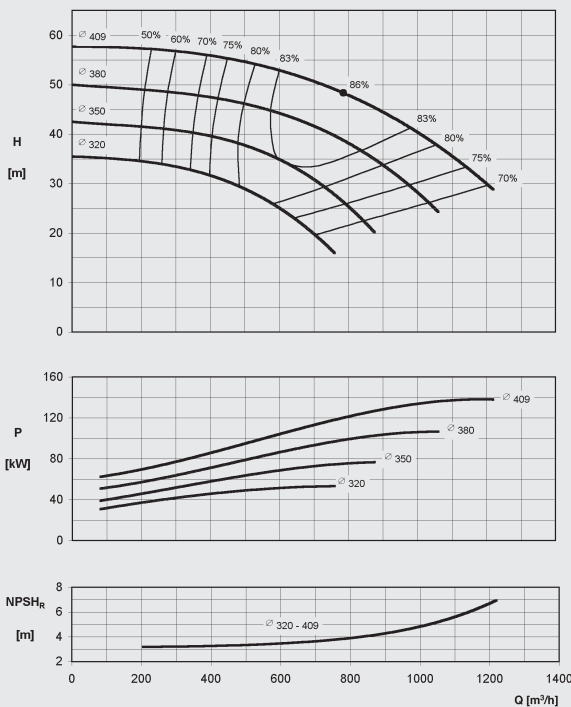
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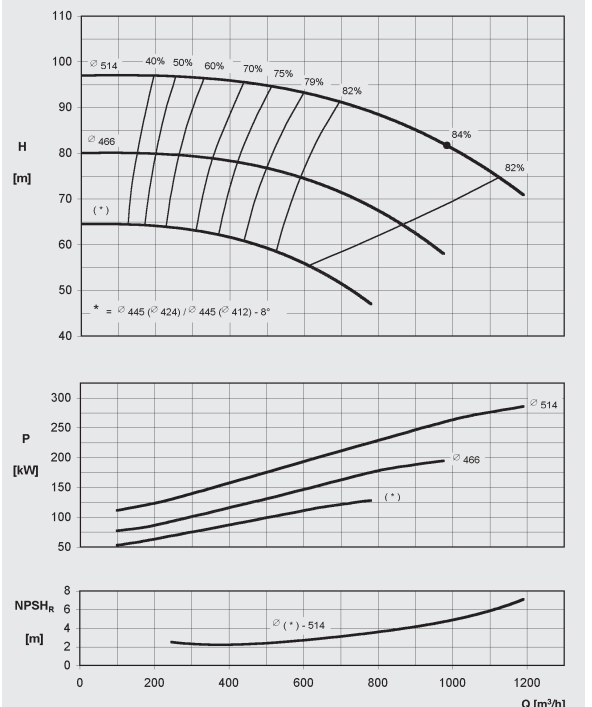
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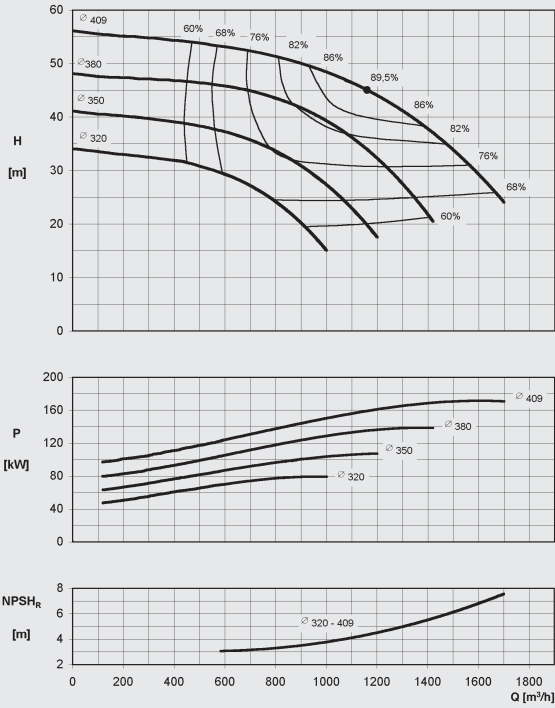
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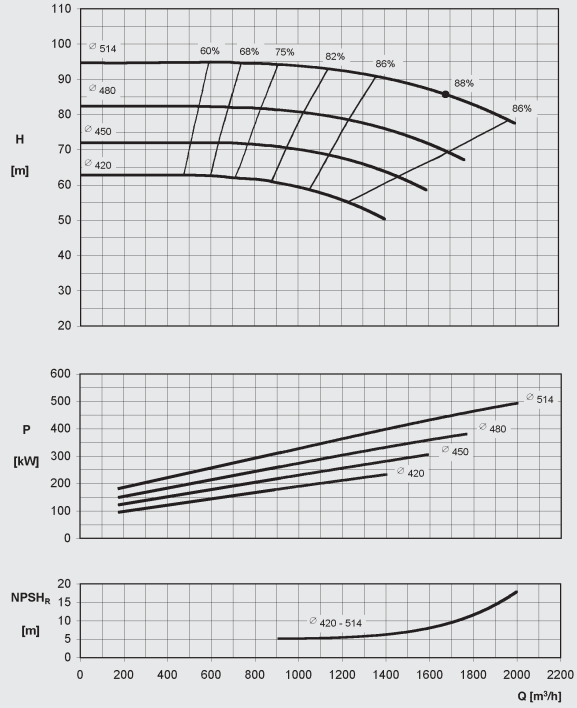
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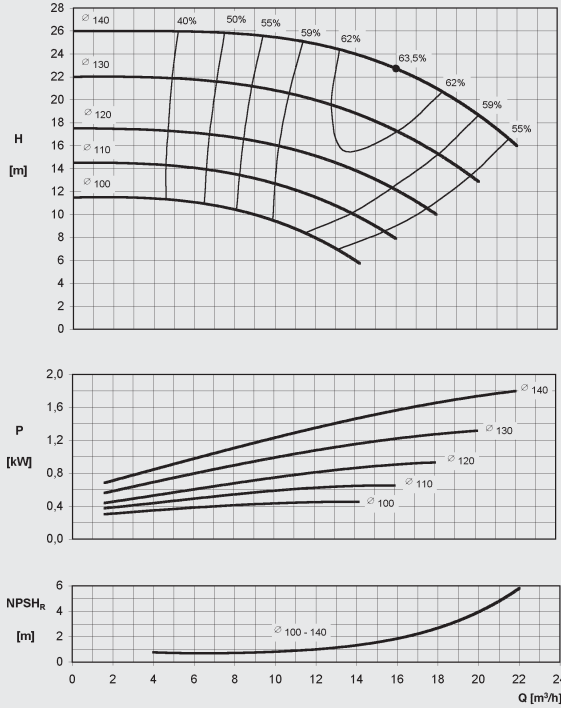
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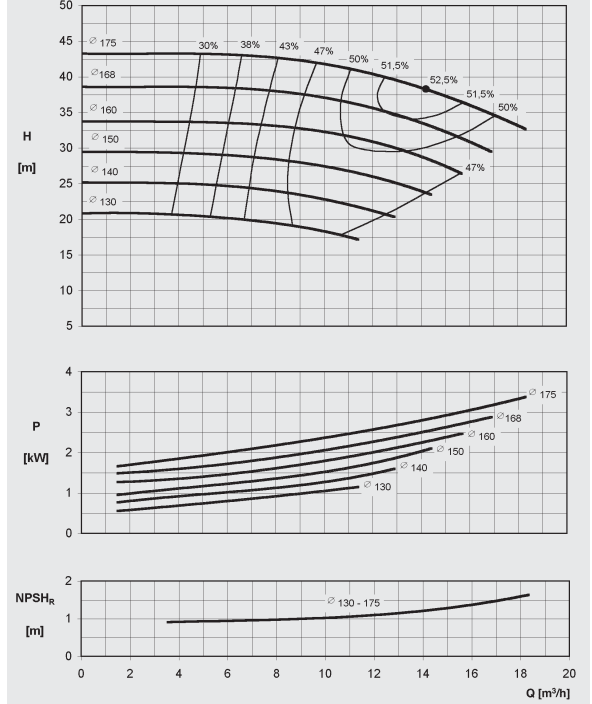
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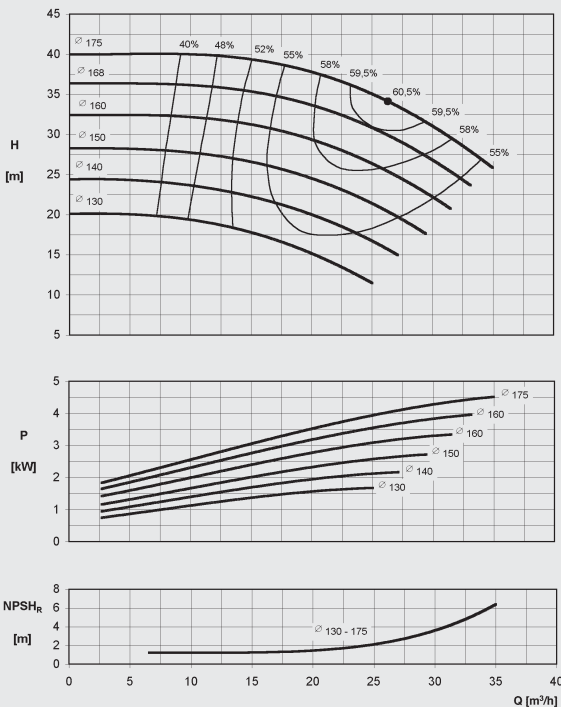
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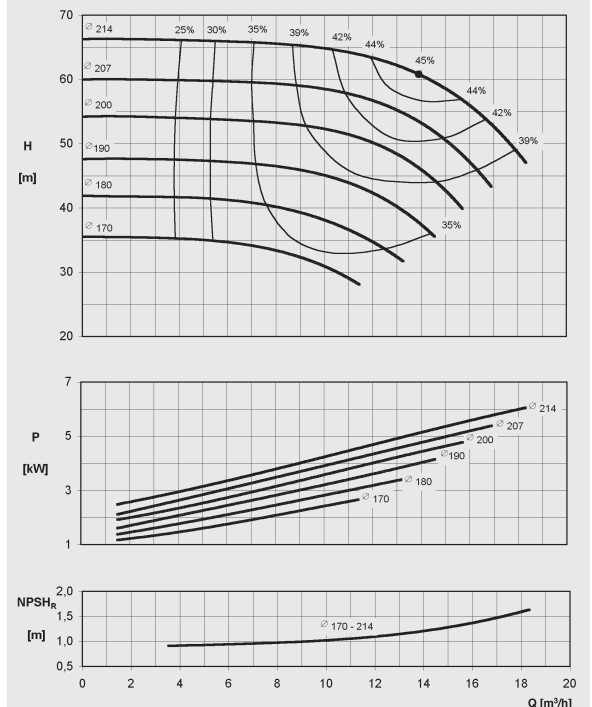
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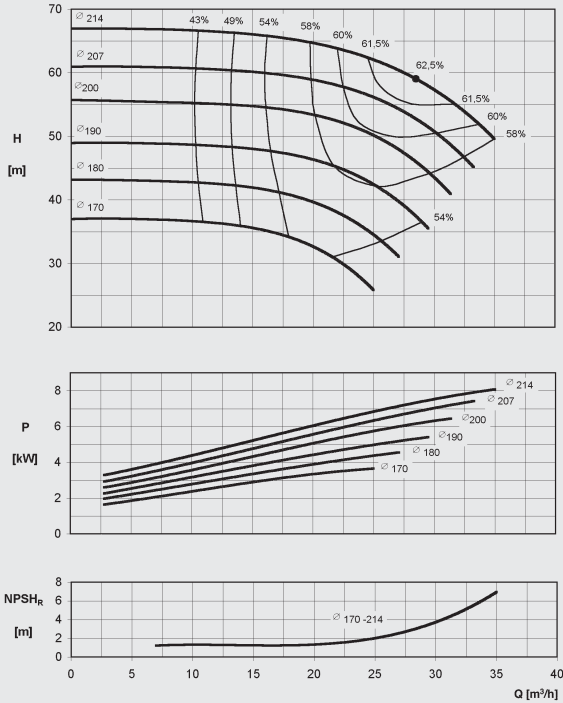
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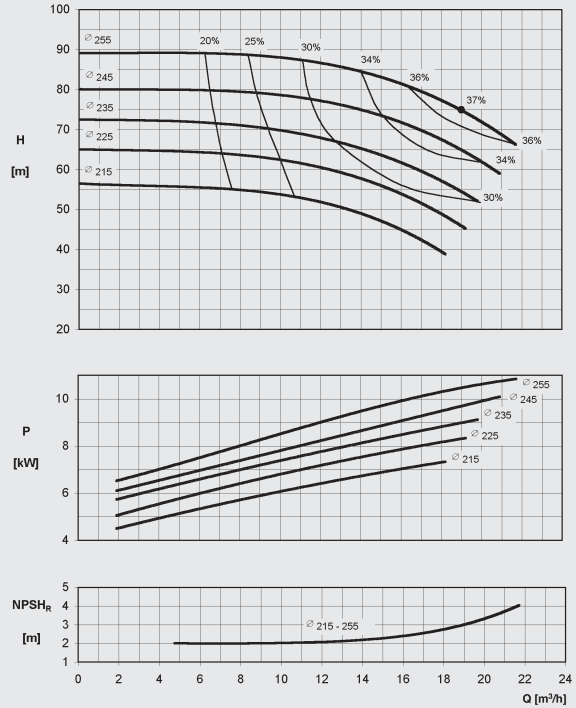
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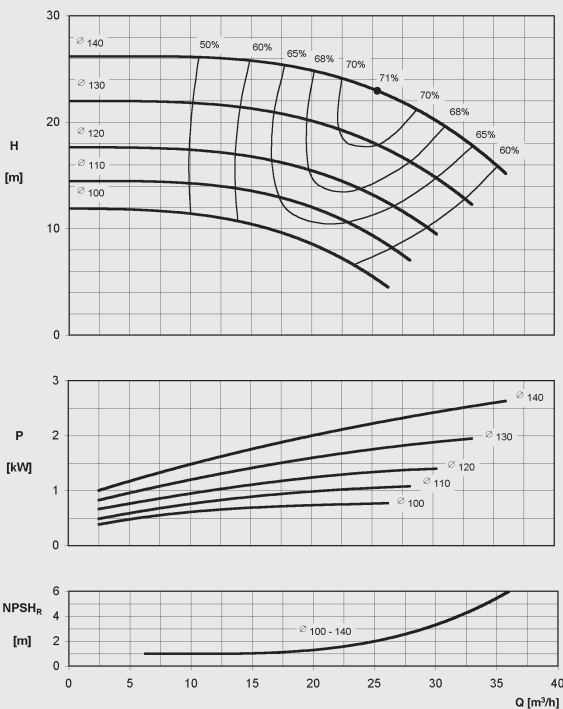
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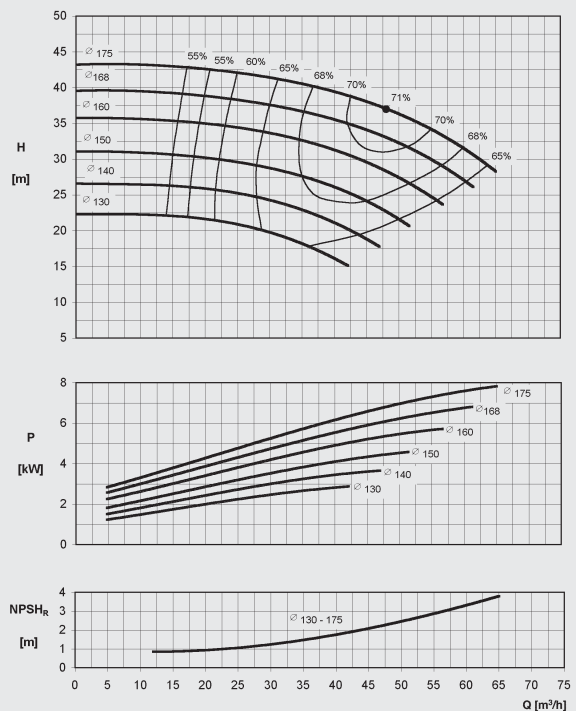
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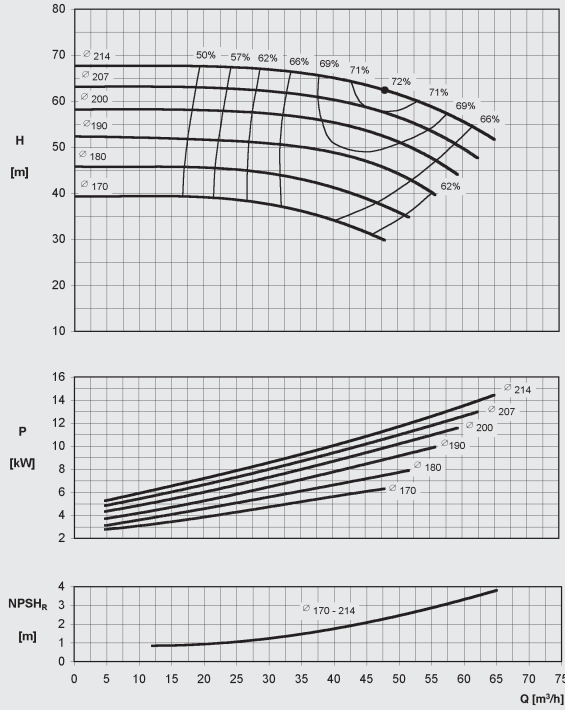
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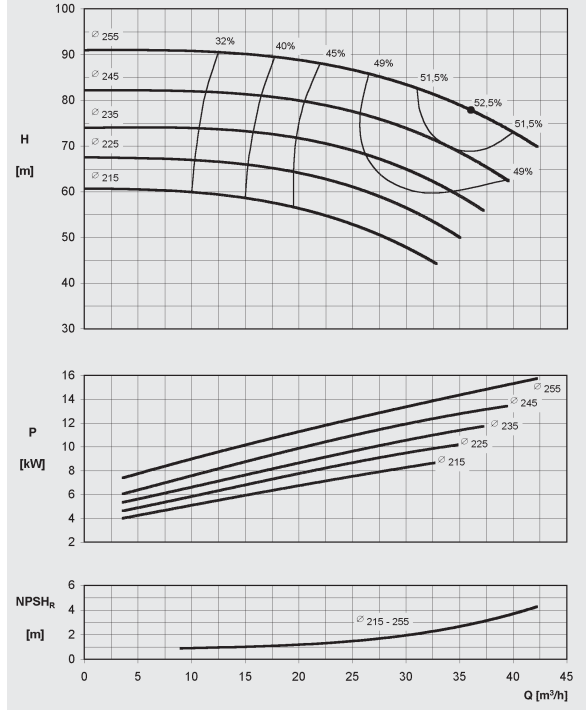
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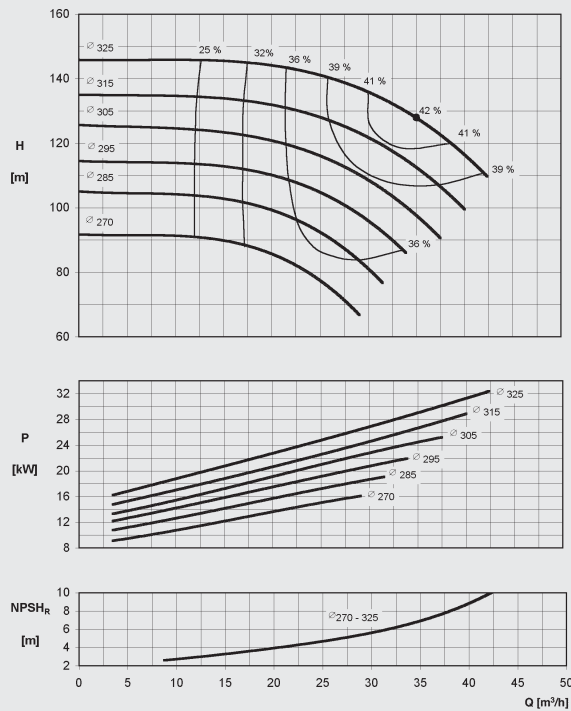
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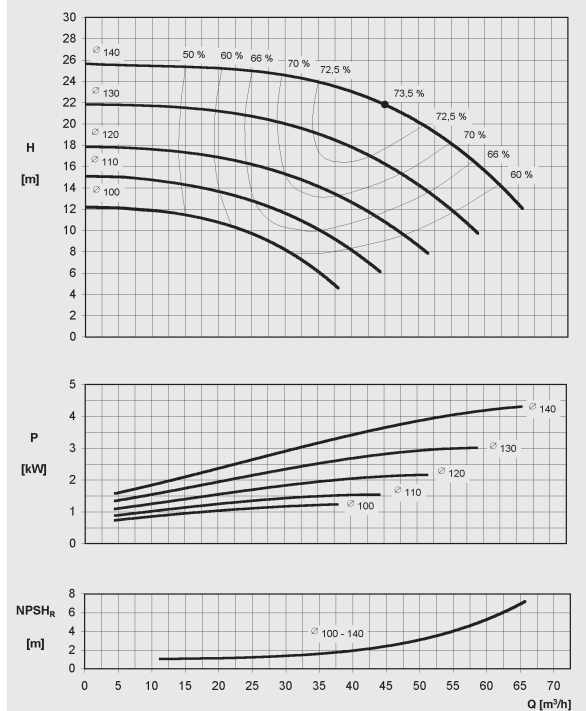
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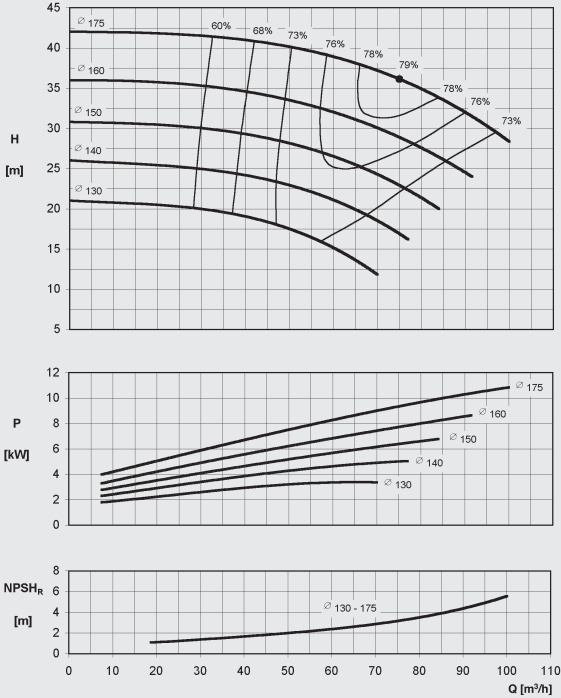
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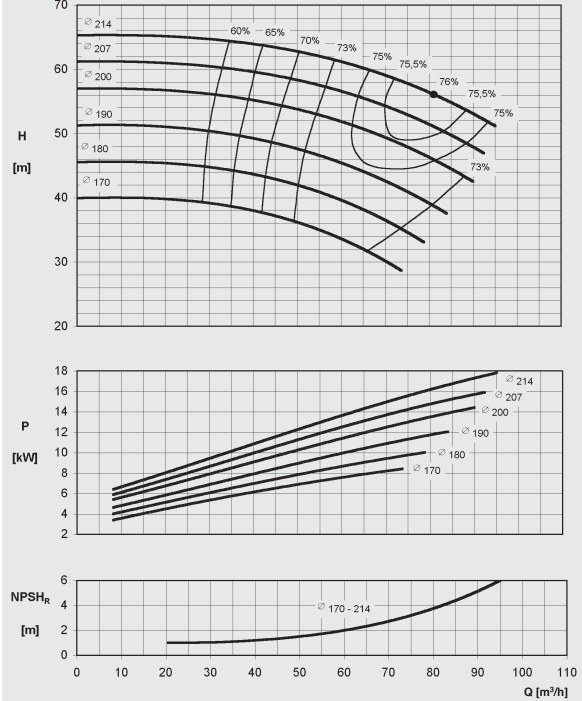
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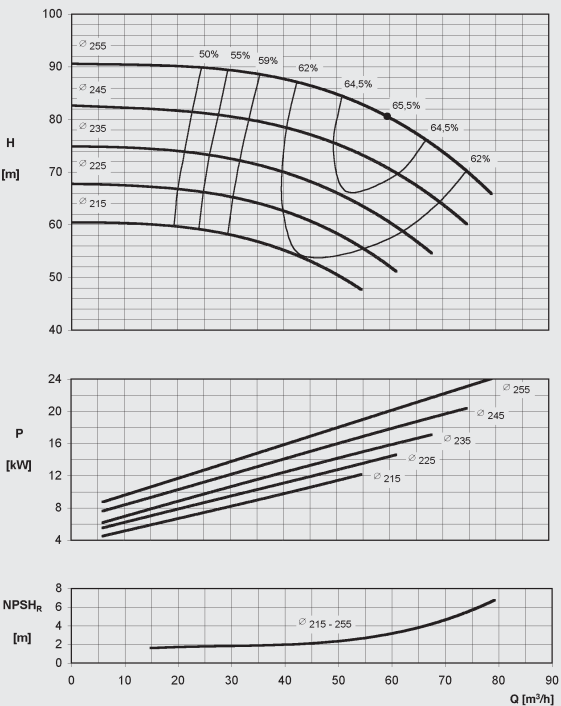
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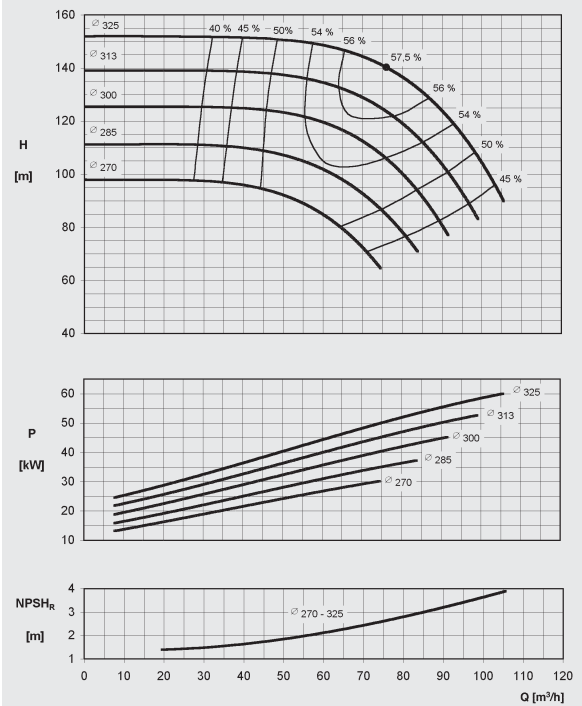
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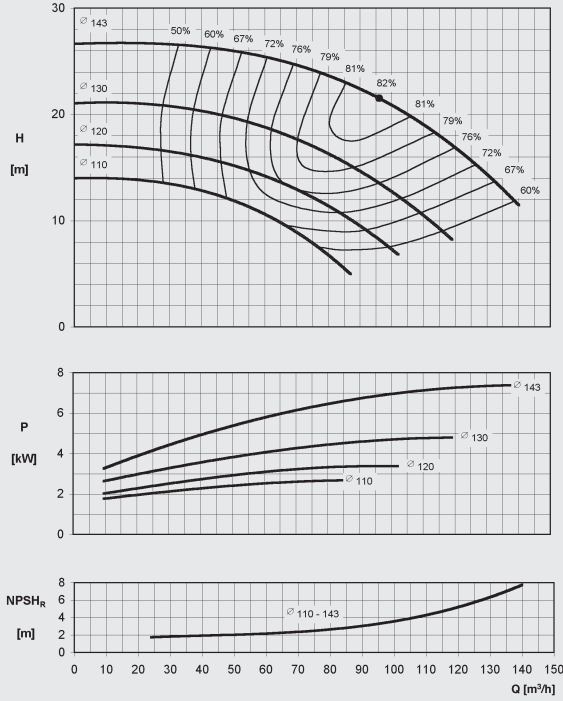
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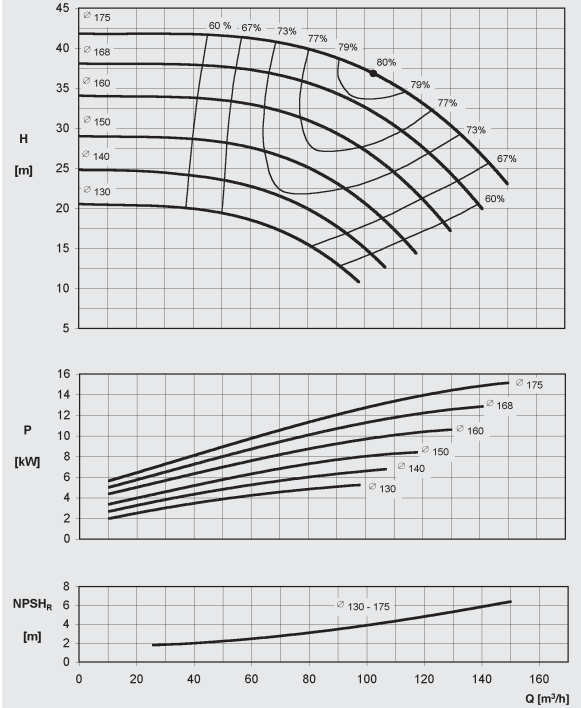
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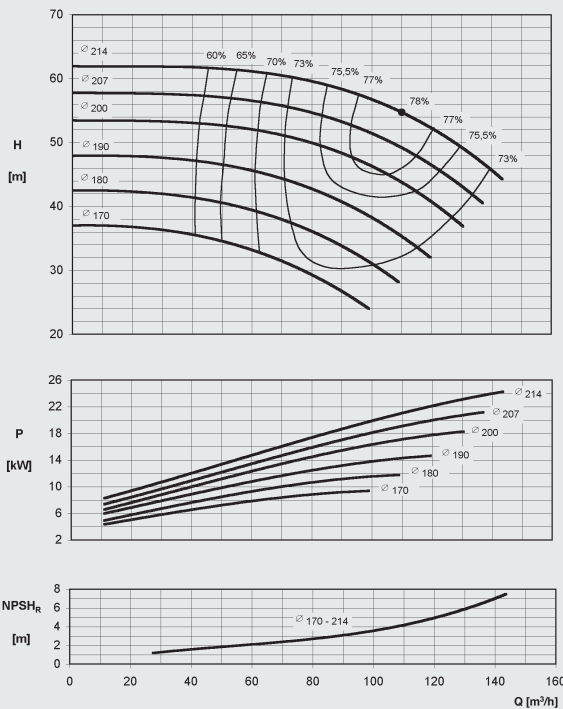
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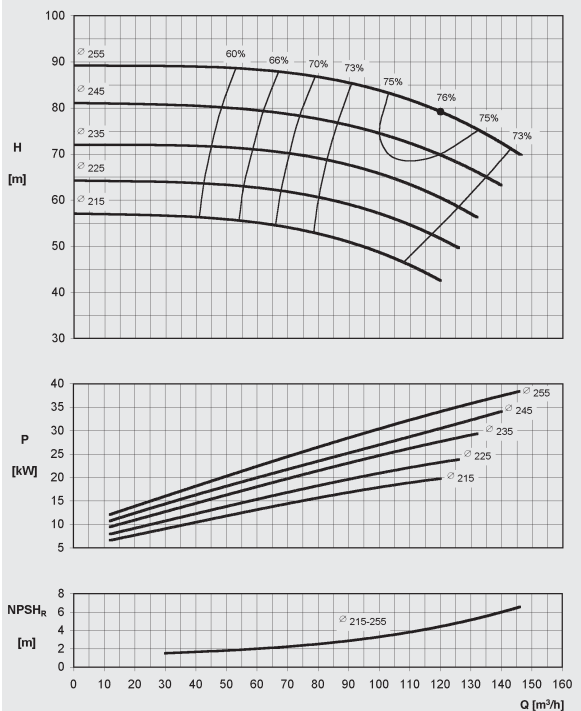
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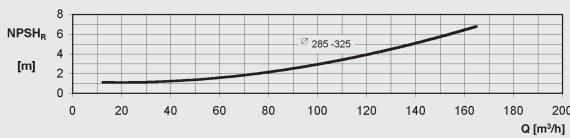
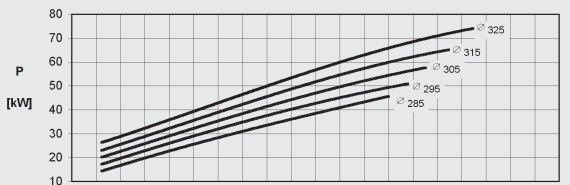
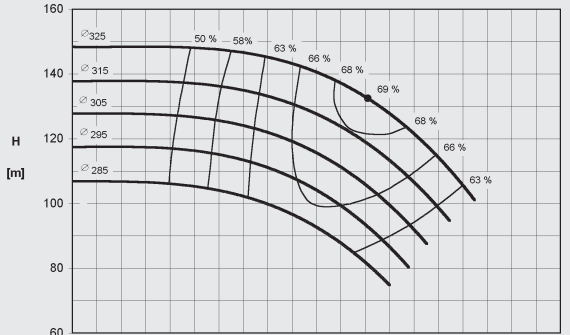
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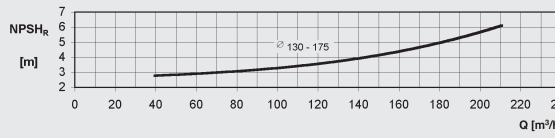
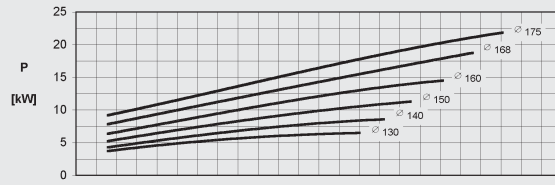
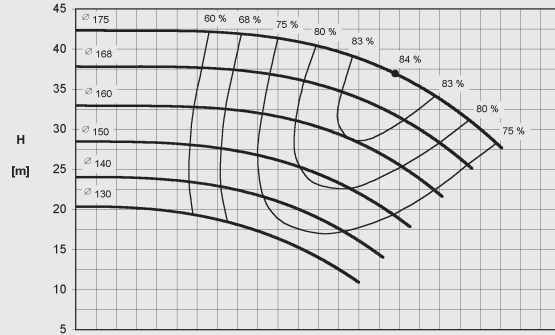
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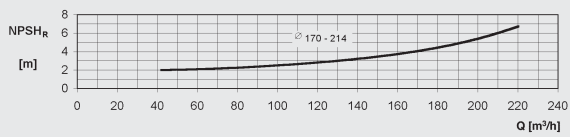
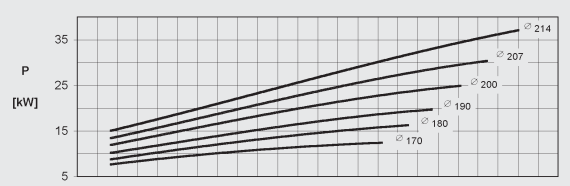
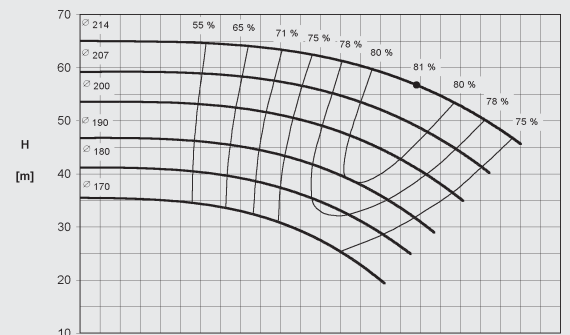
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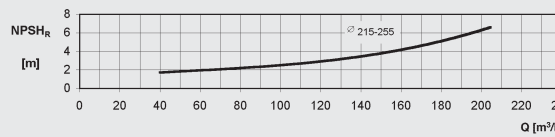
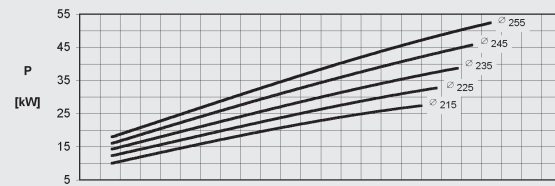
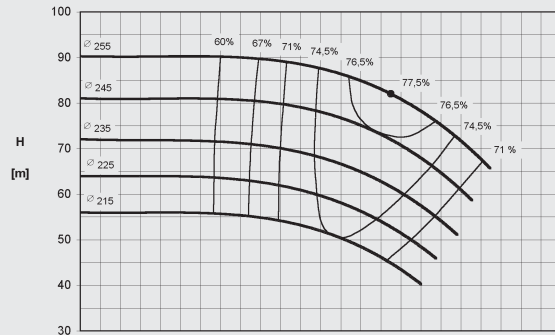
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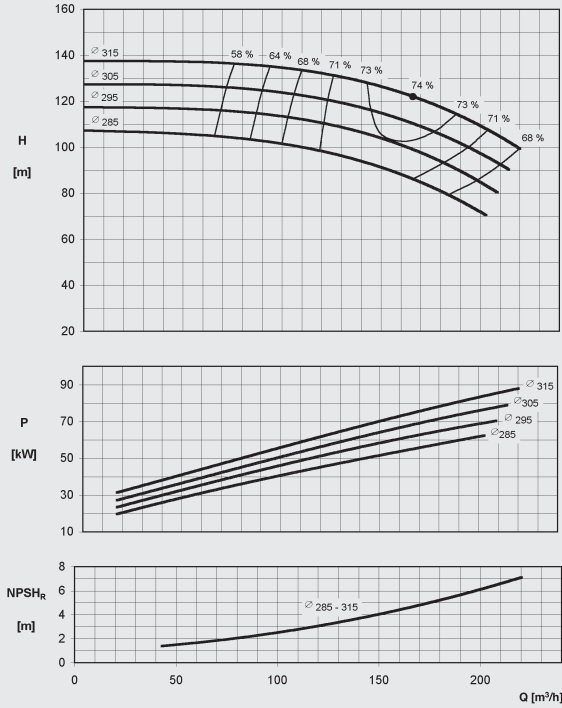
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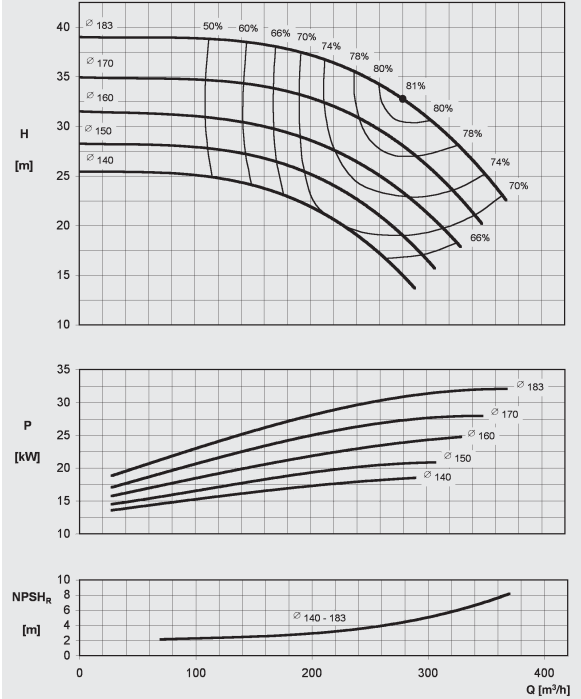
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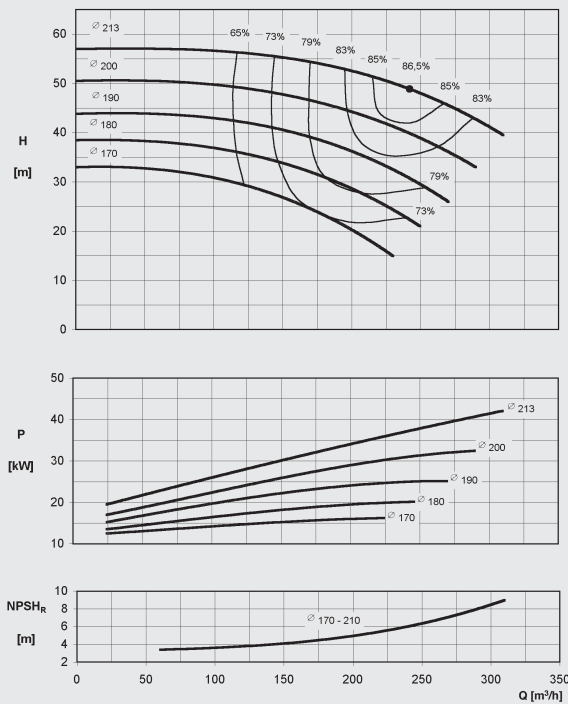
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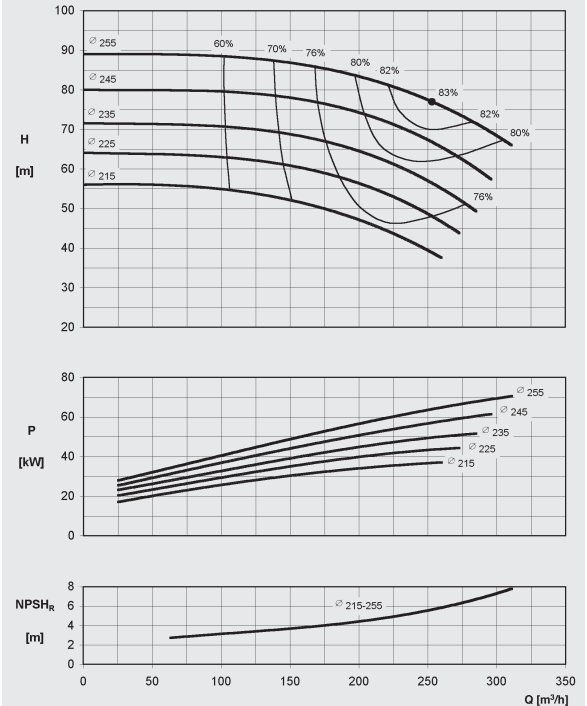
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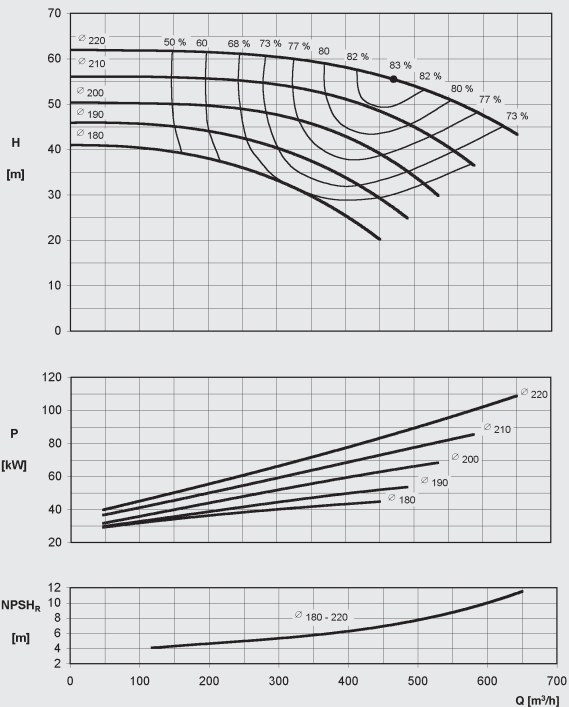
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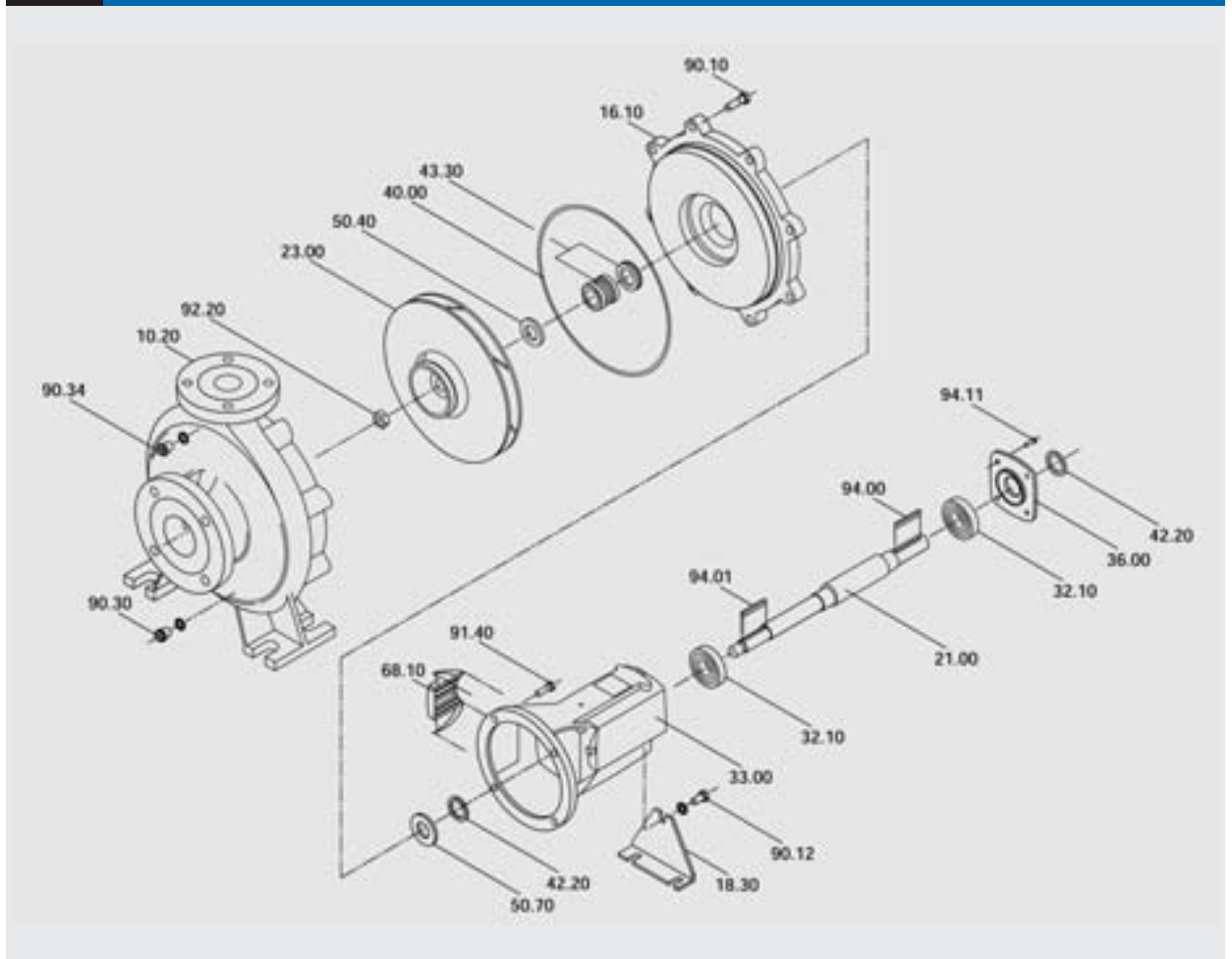
100-250



125-200



EXPLODED VIEW AND LIST OF COMPONENTS



| PART | DESCRIPTION | N° of pumps | | |
|-------|---------------------|-------------|-----|----|
| | | 1÷3 | 4÷7 | ≥7 |
| 10.20 | Volute casing | | | |
| 16.10 | Casing cover | | | |
| 18.30 | Pump foot | | | |
| 21.00 | Shaft | | | |
| 23.00 | Impeller | | | |
| 32.10 | Ball bearing | | | |
| 33.00 | Bearing housing | | | |
| 36.00 | Bearing cover | | | |
| 40.00 | Casing gasket | | | |
| 42.20 | V seal | | | |
| 43.30 | Mechanical seal | | | |
| 50.40 | Distance ring | | | |
| 50.70 | Thrower | | | |
| 68.10 | Protection screen | | | |
| 90.10 | Casing screw | | | |
| 90.11 | Bearing cover screw | | | |
| 90.12 | Foot screw | | | |
| 90.30 | Draining plug | | | |
| 90.34 | Priming plug | | | |
| 91.40 | Housing screw | | | |
| 92.20 | Impeller nut | | | |
| 94.00 | Shaft side key | | | |
| 94.01 | Impeller key | | | |

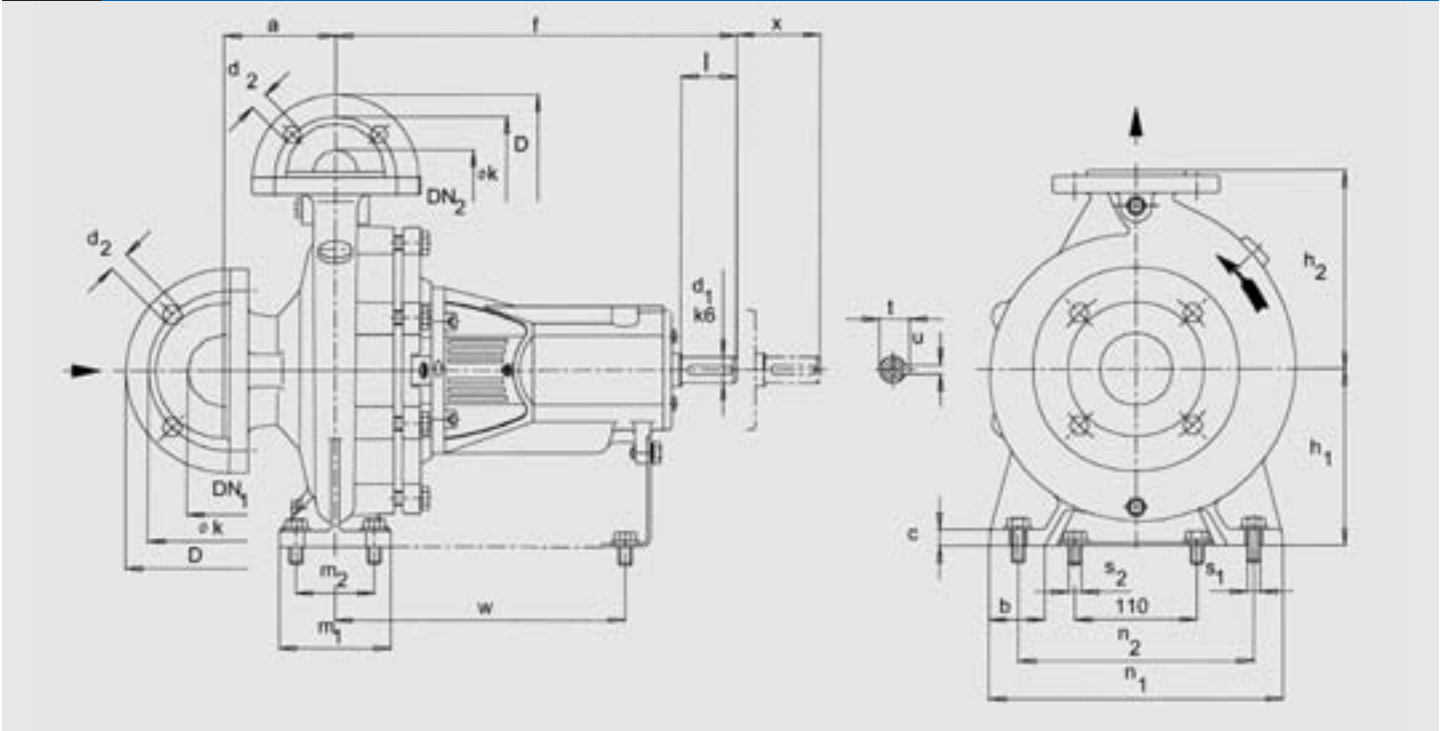
| PART | DESCRIPTION | N° of pumps | | |
|-------|--------------------|-------------|-----|----|
| | | 1÷3 | 4÷7 | ≥7 |
| 21.00 | Complete shaft | 2 | 3 | 4 |
| 23.00 | Impeller | 1 | 2 | 3 |
| 32.10 | Ball bearing (set) | 2 | 3 | 4 |
| 43.30 | Mechanical seal | 2 | 3 | 4 |
| - | Gasket kit | 2 | 3 | 4 |

CHANGEABILITY CHART

| PART NAME | CASING | CASING COVER | FOOT | SHAFT | IMPELLER | BALL BEARING | BEARING HOUSING | BEARING COVER | CASING GASKET | MECHANICAL SEAL | DISTANCE RING | PROTECTION SCREEN | IMPELLER NUT | KEY | IMPELLER KEY |
|--------------|--------|--------------|-------|-------|----------|--------------|-----------------|---------------|---------------|-----------------|---------------|-------------------|--------------|-------|--------------|
| PUMP | 10.20 | 16.10 | 18.30 | 21.00 | 23.00 | 32.10 | 33.00 | 36.00 | 40.00 | 43.30 | 50.40 | 68.10 | 92.20 | 94.00 | 94.01 |
| ENR 32-125 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 32-160 A | 2a | 2 | 2 | 1 | 2a | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 32-160 B | 2b | 2 | 2 | 1 | 2b | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 32-200 A | 3a | 4 | 3 | 1 | 3a | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 32-200 B | 3b | 4 | 3 | 1 | 3b | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 32-250 | 4 | 7 | 4 | 1 | 4 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 40-125 | 5 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 40-160 | 6 | 2 | 2 | 1 | 6 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 40-200 | 7 | 4 | 3 | 1 | 7 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 40-250 | 8 | 7 | 4 | 1 | 8 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 40-315 | 9 | 14 | 5 | 2 | 9 | 2 | 2 | 2 | 6 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 50-125 | 10 | 1 | 2 | 1 | 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 50-160 | 11 | 3 | 3 | 1 | 11 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 50-200 | 12 | 5 | 3 | 1 | 12 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 50-250 | 13 | 7 | 4 | 1 | 13 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 50-315 | 14 | 15 | 5 | 2 | 14 | 2 | 2 | 2 | 6 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 65-125 | 15 | 1 | 3 | 1 | 15 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 65-160 | 16 | 3 | 3 | 1 | 16 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 65-200 | 17 | 5 | 4 | 1 | 17 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 65-250 | 18 | 8 | 6 | 2 | 18 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 65-315 | 19 | 15 | 5 | 2 | 19 | 2 | 2 | 2 | 6 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 80-160 | 20 | 3 | 4 | 1 | 20 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| ENR 80-200 | 21 | 6 | 7 | 2 | 21 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 80-250 | 22 | 9 | 6 | 2 | 22 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 80-315 | 23 | 15 | 8 | 2 | 23 | 2 | 2 | 2 | 6 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 80-400 | 24 | 17 | 9 | 3 | 24 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 |
| ENR 100-160 | 25 | 19 | 6 | 2 | 25 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 100-200 | 26 | 20 | 6 | 2 | 26 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 100-250 | 27 | 10 | 5 | 2 | 27 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 100-315 | 28 | 15 | 8 | 2 | 28 | 2 | 2 | 2 | 6 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 100-400 | 29 | 17 | 9 | 3 | 29 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 |
| ENR 125-200 | 30 | 21 | 8 | 2 | 30 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 125-250 | 31 | 11 | 8 | 2 | 31 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 125-315 | 32 | 16 | 9 | 3 | 32 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 |
| ENR 125-400 | 33 | 18 | 10 | 3 | 33 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 |
| ENR 150-200 | 34 | 21 | 11 | 2 | 34 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 150-250 | 35 | 12 | 11 | 2 | 35 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| ENR 150-315 | 36 | 16 | 9 | 3 | 36 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 3 |
| ENR 150-400 | 37 | 18 | 10 | 3 | 37 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 |
| ENR 200-250 | 39 | 13 | 9 | 3 | 39 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 3 |

The chart shows the part list (main parts) of ENR pumps, and each part is designated by a number (1, 2, 3...).
Parts designated by the same number and placed in the same column means that these parts are changeable among these pump sizes.

DIMENSIONS BEARING BRACKET 25, 35 & 45



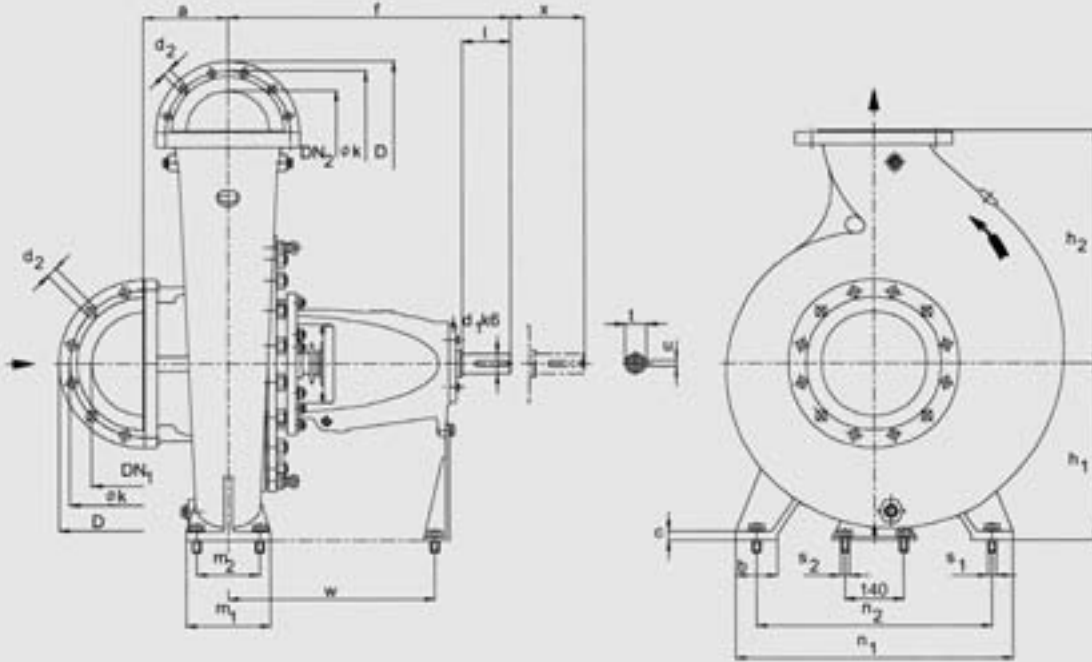
OUTLINE DIMENSIONS

| Pump size | Sup. | Pump dimensions | | | | | | Foot dimensions | | | | | | | | Shaft end | | | | | Weight kg | |
|-----------------------|------|-----------------|-----|-----|-----|-----|-----|-----------------|----|-----|-----|-----|-----|-----|-----|-----------|-----|----|-----|----|--------------|-----|
| | | DN2 | DN1 | a | f | h1 | h2 | b | c | m1 | m2 | n1 | n2 | s1* | s2* | w | x | d1 | l | t | | u |
| 32-125 | 25 | 32 | 50 | 80 | 360 | 112 | 140 | 50 | 15 | 100 | 70 | 190 | 140 | M12 | M12 | 260 | 100 | 24 | 50 | 27 | 8 | 31 |
| 32-160 | | | | | | 132 | 160 | | | | | 240 | 190 | | | | | | | | | 33 |
| 32-200 | | | | | | 160 | 180 | | | | | 210 | 160 | | | | | | | | | 34 |
| 32-250 ¹⁾ | | | | | | 180 | 225 | | | | | 320 | 250 | | | | | | | | | 46 |
| 40-125 | 25 | 40 | 65 | 80 | 360 | 112 | 140 | 50 | 15 | 100 | 70 | 210 | 160 | M12 | M12 | 260 | 100 | 24 | 50 | 27 | 8 | 28 |
| 40-160 | | | | | | 132 | 160 | | | | | 240 | 190 | | | | | | | | | 30 |
| 40-200 | | | | | | 160 | 180 | | | | | 265 | 212 | | | | | | | | | 36 |
| 40-250 | | | | | | 180 | 225 | | | | | 320 | 250 | | | | | | | | | 46 |
| 40-315 ¹⁾ | 35 | 50 | 65 | 125 | 470 | 225 | 250 | 65 | 18 | 125 | 95 | 345 | 280 | M12 | M12 | 340 | 100 | 32 | 80 | 35 | 10 | 73 |
| 50-125 | 132 | | | 160 | 240 | 190 | 30 | | | | | | | | | | | | | | | |
| 50-160 | 160 | | | 180 | 265 | 212 | 36 | | | | | | | | | | | | | | | |
| 50-200 | 180 | | | 200 | 320 | 250 | 40 | | | | | | | | | | | | | | | |
| 50-250 | 35 | 65 | 80 | 100 | 360 | 180 | 225 | 65 | 17 | 125 | 95 | 320 | 250 | M12 | M12 | 260 | 100 | 24 | 50 | 27 | 8 | 50 |
| 50-315 ¹⁾ | | | | | | 225 | 280 | | | | | 345 | 280 | | | | | | | | | 88 |
| 65-125 | | | | | | 132 | 160 | | | | | 240 | 190 | | | | | | | | | 30 |
| 65-160 | | | | | | 160 | 180 | | | | | 265 | 212 | | | | | | | | | 36 |
| 65-200 | 25 | 65 | 80 | 100 | 360 | 180 | 225 | 65 | 15 | 125 | 95 | 320 | 250 | M12 | M12 | 260 | 100 | 24 | 50 | 27 | 8 | 40 |
| 65-250 | | | | | | 200 | 250 | | | | | 360 | 280 | | | | | | | | | 70 |
| 65-315 | | | | | | 225 | 280 | | | | | 400 | 315 | | | | | | | | | 92 |
| 80-160 | | | | | | 180 | 225 | | | | | 320 | 250 | | | | | | | | | 43 |
| 80-200 | 35 | 80 | 100 | 125 | 470 | 180 | 250 | 65 | 15 | 125 | 95 | 345 | 280 | M12 | M12 | 340 | 140 | 32 | 80 | 35 | 10 | 60 |
| 80-250 | | | | | | 200 | 280 | | | | | 400 | 315 | | | | | | | | | 75 |
| 80-315 | | | | | | 250 | 315 | | | | | 400 | 315 | | | | | | | | | 95 |
| 80-400 ¹⁾ | | | | | | 280 | 355 | | | | | 435 | 355 | | | | | | | | | 143 |
| 100-160 ¹⁾ | 35 | 100 | 125 | 140 | 530 | 200 | 280 | 80 | 18 | 160 | 120 | 360 | 280 | M16 | M12 | 340 | 140 | 32 | 80 | 35 | 10 | 78 |
| 100-200 | | | | | | 225 | 315 | | | | | 400 | 315 | | | | | | | | | 70 |
| 100-250 | | | | | | 250 | 315 | | | | | 400 | 315 | | | | | | | | | 85 |
| 100-315 | | | | | | 280 | 355 | | | | | 500 | 400 | | | | | | | | | 104 |
| 100-400 | 315 | 400 | 500 | 400 | 177 | | | | | | | | | | | | | | | | | |
| 125-200 ¹⁾ | 35 | 125 | 150 | 140 | 530 | 250 | 315 | 100 | 18 | 200 | 150 | 550 | 450 | M20 | M12 | 370 | 140 | 42 | 110 | 45 | 12 | 100 |
| 125-250 | | | | | | 280 | 355 | | | | | 500 | 400 | | | | | | | | | 102 |
| 125-315 | | | | | | 315 | 400 | | | | | 550 | 450 | | | | | | | | | 151 |
| 125-400 | | | | | | 355 | 400 | | | | | 550 | 450 | | | | | | | | | 188 |
| 150-200 ¹⁾ | 45 | 150 | 200 | 160 | 530 | 280 | 400 | 100 | 18 | 200 | 150 | 500 | 400 | M20 | M12 | 370 | 140 | 42 | 80 | 35 | 10 | 123 |
| 150-250 | | | | | | 315 | 450 | | | | | 550 | 450 | | | | | | | | | 128 |
| 150-315 | | | | | | 355 | 400 | | | | | 550 | 450 | | | | | | | | | 170 |
| 150-400 | | | | | | 400 | 450 | | | | | 550 | 450 | | | | | | | | | 205 |
| 200-250 ¹⁾ | 45 | 200 | 200 | 160 | 590 | 280 | 400 | 100 | 22 | 200 | 150 | 500 | 400 | M20 | M12 | 430 | 180 | 42 | 110 | 45 | 12 | 230 |

1) Transnorm pump sizes, not included in DIN 24255 / EN 733. Flanges drilled according to ANSI 150 on request.

* Slots suitable for bolts with dimensions indicated. Bolts are not included in the bare shaft pump standard scope of supply.

DIMENSIONS BEARING BRACKET 55 & 65



OUTLINE DIMENSIONS

| Pump size | Sup. | Pump dimensions | | | | | | Foot dimensions | | | | | | | | Shaft end | | | | | Weight kg | |
|-----------------------|------|-----------------|-----|-----|-----|-----|-----|-----------------|----|-----|-----|-----|-----|-----|-----|-----------|-----|------------------|-----|------|--------------|-----|
| | | DN2 | DN1 | a | f | h1 | h2 | b | c | m1 | m2 | n1 | n2 | s1* | s2* | w | x | d1 | l | t | | u |
| 150-500 ¹⁾ | 55 | 150 | 200 | 180 | 670 | 400 | 500 | 100 | 22 | 200 | 150 | 640 | 540 | M20 | M16 | 489 | 180 | 50 | 115 | 53.5 | 14 | 335 |
| 200-315 ¹⁾ | 55 | 200 | 250 | 200 | 670 | 355 | 450 | 100 | 22 | 200 | 150 | 550 | 450 | M20 | M16 | 489 | 180 | 50 | 115 | 53.5 | 14 | 310 |
| 200-400 ¹⁾ | | | | 180 | | 500 | 340 | | | | | | | | | | | | | | | |
| 200-500 ¹⁾ | | | | 200 | | 425 | 560 | | | | | 395 | | | | | | | | | | |
| 250-300 ¹⁾ | 55 | 250 | 300 | 305 | 655 | 425 | 550 | 120 | 28 | 240 | 190 | 700 | 600 | M20 | M16 | 474 | 180 | 50 | 115 | 53.5 | 14 | 416 |
| 250-315 ¹⁾ | | | | 670 | 375 | 560 | 424 | | | | | | | | | | | | | | | |
| 250-400 ¹⁾ | | | | 400 | 600 | 508 | 464 | | | | | | | | | | | | | | | |
| 250-500 ¹⁾ | 65 | 300 | 350 | 720 | 450 | 670 | 32 | 120 | 30 | 250 | 190 | 750 | 650 | M24 | M16 | 503 | 180 | 60 ²⁾ | 145 | 64 | 18 | 589 |
| 300-400 ¹⁾ | | | | 425 | 670 | 32 | 760 | | | | | 660 | 620 | | | | | | | | | |
| 300-500 ¹⁾ | | | | 480 | 670 | 32 | 840 | | | | | 720 | 508 | | | | | | | | | 620 |
| | 65 | 300 | 350 | 300 | 720 | 425 | 670 | 120 | 30 | 250 | 190 | 760 | 660 | M24 | M16 | 508 | 180 | 60 ²⁾ | 145 | 64 | 18 | 800 |

1) Transnom pump sizes, not included in DIN 24255 / EN 733. Flanges drilled according to ANSI 150 on request.

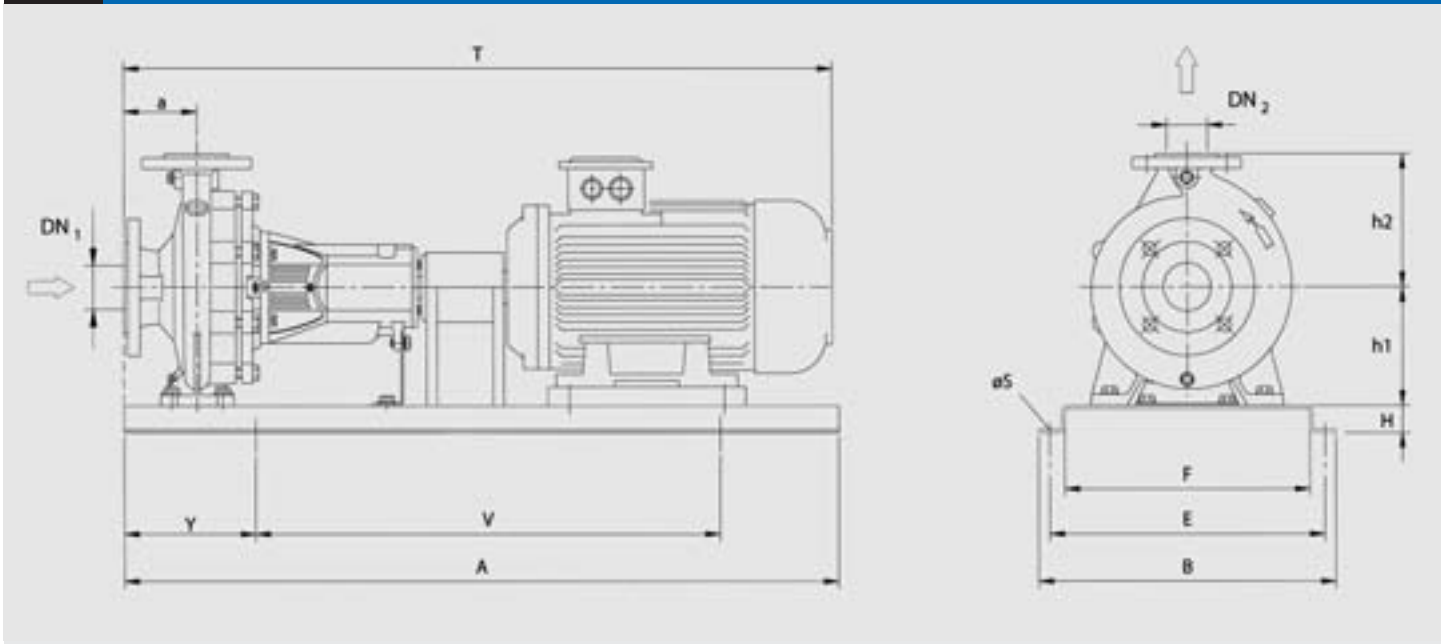
2) For these sizes the clearance corresponds to m6.

* Slots suitable for bolts with dimensions indicated. Bolts are not included in the bare shaft pump standard scope of supply.

FLANGES

| Flange connections to DIN 2501 PN 16 | | | | | | | | | | | | | | DIN 2501 PN 10 | | | |
|--------------------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|----------------|------|------|------|
| DN2/DN1 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 100 | 125 | 150 | 200 |
| D | 140 | 150 | 165 | 185 | 200 | 220 | 250 | 285 | 340 | 405 | 460 | 520 | 580 | 220 | 250 | 285 | 340 |
| k | 100 | 110 | 125 | 145 | 160 | 180 | 210 | 240 | 295 | 355 | 410 | 470 | 525 | 180 | 210 | 240 | 295 |
| d: x number | 18x4 | 18x4 | 18x4 | 18x4 | 18x8 | 18x8 | 18x8 | 22x8 | 22x12 | 26x12 | 26x12 | 26x16 | 30x16 | 18x8 | 18x8 | 22x8 | 22x8 |

FOUNDATION PLAN, BEARING BRACKETS 25, 35 & 45



OUTLINE DIMENSIONS

| Components | | | Common | | | | Standard coupling | | | | | | | | | | Coupling with spacer | | | | | | | | | | | | |
|------------|--------|--------|--------|-----|-----|-----|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|------------|-----|
| Pump | Motor | | DN2 | DN1 | a | h2 | h1 | A | B | F | Y | V | E | H | S | T | kg | A | B | F | Y | V | E | H | S | T | kg | | |
| | 4 pol. | 2 pol. | | | | | | | | | | | | | | | | | | | | | | | | | | Frame size | |
| 32-125 | 0,37 | 71 | 32 | 50 | 80 | 140 | 112 | 900 | 390 | 300 | 150 | 600 | 350 | 50 | 18 | 714 | 70 | 900 | 390 | 300 | 150 | 600 | 350 | 50 | 18 | 810 | 71 | | |
| | 0,55 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | 70 | 71 |
| | 0,75 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | 70 | 71 |
| | 0,75 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | 70 | 71 |
| | 1,1 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | 70 | 71 |
| | 1,5 | 90S | | | | | | | | | | | | | | | | | | | | | | | | | | 73 | 74 |
| | 2,2 | 90L | | | | | | | | | | | | | | | | | | | | | | | | | | 76 | 77 |
| | 3 | 100L | | | | | | | | | | | | | | | | | | | | | | | | | | 76 | 77 |
| 32-160 | 0,37 | 71 | 32 | 50 | 80 | 160 | 132 | 900 | 390 | 300 | 150 | 600 | 350 | 50 | 18 | 714 | 71 | 900 | 390 | 300 | 150 | 600 | 350 | 50 | 18 | 810 | 72 | | |
| | 0,55 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | 71 | 72 |
| | 0,75 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | 71 | 72 |
| | 1,5 | 90S | | | | | | | | | | | | | | | | | | | | | | | | | | 74 | 74 |
| | 2,2 | 90L | | | | | | | | | | | | | | | | | | | | | | | | | | 76 | 77 |
| | 3 | 100L | | | | | | | | | | | | | | | | | | | | | | | | | | 76 | 77 |
| | 4 | 112 | | | | | | | | | | | | | | | | | | | | | | | | | | 844 | 87 |
| | 5,5 | 132S | | | | | | | | | | | | | | | | | | | | | | | | | | 844 | 87 |
| 32-200 | 0,55 | 80 | 32 | 50 | 80 | 180 | 160 | 900 | 390 | 300 | 150 | 600 | 350 | 50 | 18 | 714 | 79 | 900 | 390 | 300 | 150 | 600 | 350 | 50 | 18 | 810 | 79 | | |
| | 0,75 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | 79 | 79 |
| | 1,1 | 90S | | | | | | | | | | | | | | | | | | | | | | | | | | 82 | 83 |
| | 1,5 | 90L | | | | | | | | | | | | | | | | | | | | | | | | | | 764 | 84 |
| | 2,2 | 90L | | | | | | | | | | | | | | | | | | | | | | | | | | 764 | 84 |
| | 3 | 100L | | | | | | 844 | 91 | | | | | | | | | | | | | | | | | | | | |
| | 4 | 112 | | | | | | 844 | 103 | | | | | | | | | | | | | | | | | | | | |
| | 5,5 | 132S | | | | | | 844 | 103 | | | | | | | | | | | | | | | | | | | | |
| | 7,5 | 132S | | | | | | 926 | 121 | | | | | | | | | | | | | | | | | | | | |
| | 11 | 160M | | | | | | 926 | 121 | | | | | | | | | | | | | | | | | | | | |
| 32-250 | 0,75 | 80 | 32 | 50 | 100 | 225 | 180 | 900 | 490 | 380 | 150 | 600 | 440 | 50 | 18 | 734 | 95 | 900 | 490 | 380 | 150 | 600 | 440 | 50 | 18 | 830 | 96 | | |
| | 1,1 | 90S | | | | | | | | | | | | | | | | | | | | | | | | | | 784 | 98 |
| | 1,5 | 90L | | | | | | | | | | | | | | | | | | | | | | | | | | 784 | 100 |
| | 2,2 | 100L | | | | | | | | | | | | | | | | | | | | | | | | | | 864 | 111 |
| | 3 | 100L | | | | | | | | | | | | | | | | | | | | | | | | | | 864 | 111 |
| | 7,5 | 132S | | | | | | 946 | 132 | | | | | | | | | | | | | | | | | | | | |
| | 11 | 160M | | | | | | 946 | 132 | | | | | | | | | | | | | | | | | | | | |
| | 15 | 160M | | | | | | 1112 | 187 | | | | | | | | | | | | | | | | | | | | |
| | 18,5 | 160L | | | | | | 1112 | 201 | | | | | | | | | | | | | | | | | | | | |
| | 40-125 | 0,37 | | | | | | 71 | 40 | 65 | 80 | 140 | 112 | 900 | 390 | 300 | 150 | 600 | 350 | 50 | 18 | 714 | 71 | 900 | 390 | 300 | 150 | 600 | 350 |
| 0,55 | | 80 | 71 | 72 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0,75 | | 80 | 71 | 72 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1 | | 80 | 71 | 72 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,5 | | 90S | 74 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,2 | | 90L | 76 | 77 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | 100L | 76 | 77 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | 112 | 844 | 87 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5,5 | | 132S | 844 | 94 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 132 | | 900 | 490 | 380 | 150 | 600 | 440 | 50 | | | | | | 18 | 926 | 114 | 1120 | 490 | 380 | 190 | 740 | 440 | 50 | 22 | 1022 | 132 | | | |

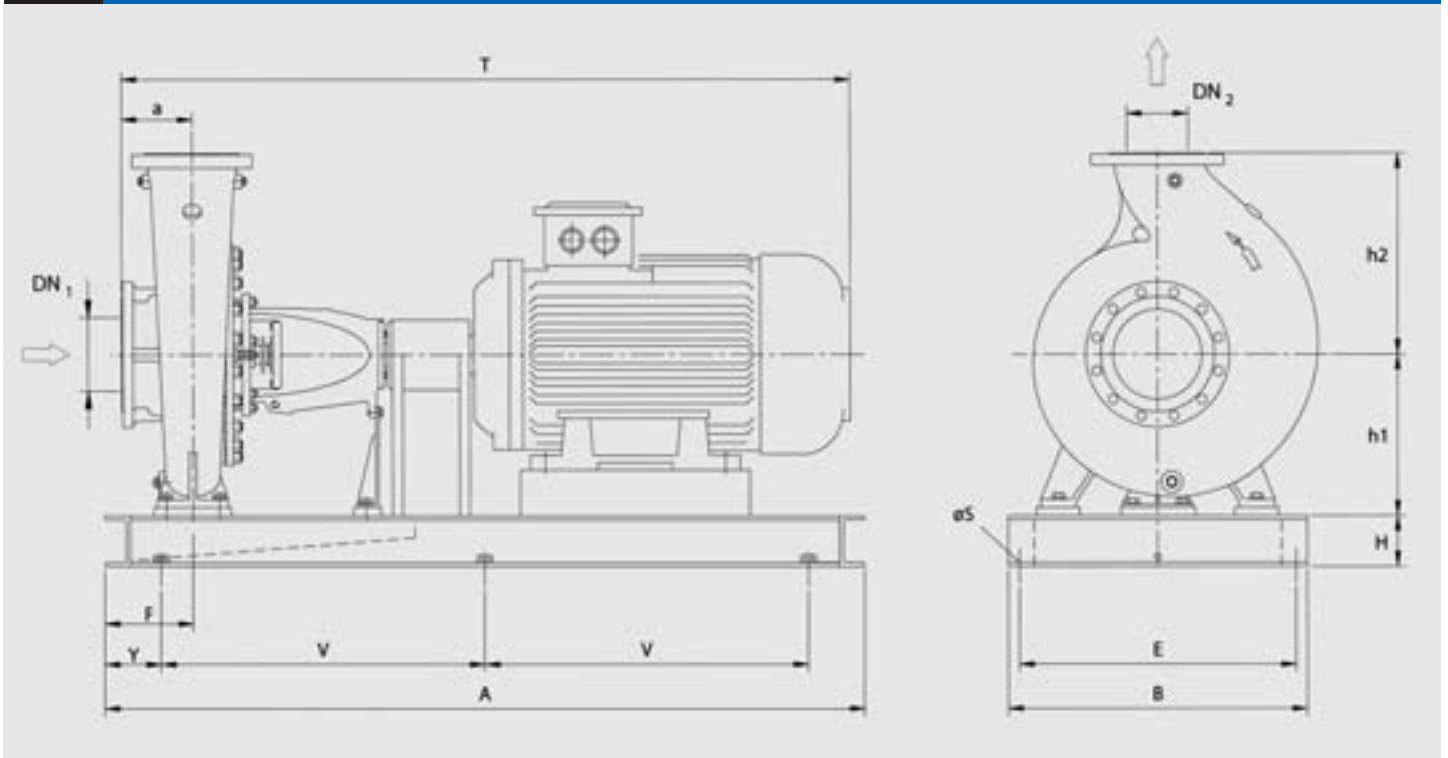
| Components | | | | Common | | | | | Standard coupling | | | | | | | | Coupling with spacer | | | | | | | | | | | |
|------------|--------|--------|------------|--------|-----|-----|-----|-----|-------------------|-----|-----|-----|-----|-----|----|----|----------------------|------|------|-----|-----|-----|-----|-----|----|----|------|-----|
| Pump | Motor | | | DN2 | DN1 | a | h2 | h1 | A | B | F | Y | V | E | H | S | T | kg | A | B | F | Y | V | E | H | S | T | kg |
| | 4 pol. | 2 pol. | Frame size | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40-160 | 0,37 | | 71 | 40 | 65 | 80 | 160 | 132 | 900 | 390 | 300 | 150 | 600 | 350 | 50 | 18 | 714 | 77 | 900 | 390 | 300 | 150 | 600 | 350 | 50 | 18 | 810 | 77 |
| | 0,55 | | 80 | | | | | | | | | | | | | | | 77 | | | | | | | | | | 77 |
| | 0,75 | | 80 | | | | | | | | | | | | | | | 77 | | | | | | | | | | 77 |
| | 1,1 | | 90S | | | | | | | | | | | | | | | 80 | | | | | | | | | | 80 |
| | 1,5 | | 90L | | | | | | | | | | | | | | | 82 | | | | | | | | | | 83 |
| | | 1,5 | 90S | | | | | | | | | | | | | | | 82 | | | | | | | | | | 83 |
| | | 2,2 | 90L | | | | | | | | | | | | | | | 83 | | | | | | | | | | 83 |
| | | 3 | 100L | | | | | | | | | | | | | | | 844 | | | | | | | | | | 93 |
| | | 4 | 112 | | | | | | | | | | | | | | | 844 | | | | | | | | | | 104 |
| | | 5,5 | 132S | | | | | | | | | | | | | | | 900 | | | | | | | | | | 104 |
| | | 7,5 | 132S | | | | | | | | | | | | | | | 900 | | | | | | | | | | 104 |
| | 11 | 160M | 926 | 115 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1092 | 165 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1120 | 165 | | | | | | | | | | | | | | | | | | | | | | | | |
| 40-200 | 0,55 | | 80 | 40 | 65 | 100 | 180 | 160 | 900 | 490 | 380 | 150 | 600 | 440 | 50 | 18 | 734 | 84 | 1000 | 450 | 340 | 170 | 660 | 400 | 50 | 22 | 830 | 86 |
| | 0,75 | | 80 | | | | | | | | | | | | | | | 84 | | | | | | | | | | 86 |
| | 1,1 | | 90S | | | | | | | | | | | | | | | 87 | | | | | | | | | | 89 |
| | 1,5 | | 90L | | | | | | | | | | | | | | | 89 | | | | | | | | | | 91 |
| | | 3 | 100L | | | | | | | | | | | | | | | 97 | | | | | | | | | | 99 |
| | | 4 | 112 | | | | | | | | | | | | | | | 106 | | | | | | | | | | 124 |
| | | 5,5 | 132S | | | | | | | | | | | | | | | 121 | | | | | | | | | | 139 |
| | | 7,5 | 132S | | | | | | | | | | | | | | | 121 | | | | | | | | | | 139 |
| | | 11 | 160M | | | | | | | | | | | | | | | 121 | | | | | | | | | | 139 |
| | | 15 | 160M | | | | | | | | | | | | | | | 167 | | | | | | | | | | 168 |
| | | | | | | | | | | | | | | | | | | 1112 | | | | | | | | | | 167 |
| | | | 1120 | 168 | | | | | | | | | | | | | | | | | | | | | | | | |
| 40-250 | 1,1 | | 90S | 40 | 65 | 100 | 225 | 180 | 900 | 490 | 380 | 150 | 600 | 440 | 50 | 18 | 784 | 98 | 1120 | 490 | 380 | 150 | 600 | 440 | 50 | 18 | 880 | 99 |
| | 1,5 | | 90L | | | | | | | | | | | | | | | 100 | | | | | | | | | | 101 |
| | 2,2 | | 100L | | | | | | | | | | | | | | | 111 | | | | | | | | | | 113 |
| | 3 | | 100L | | | | | | | | | | | | | | | 111 | | | | | | | | | | 113 |
| | | 7,5 | 132S | | | | | | | | | | | | | | | 946 | | | | | | | | | | 132 |
| | | 11 | 160M | | | | | | | | | | | | | | | 1120 | | | | | | | | | | 178 |
| | | 15 | 160M | | | | | | | | | | | | | | | 1112 | | | | | | | | | | 178 |
| | | 18,5 | 160L | | | | | | | | | | | | | | | 1112 | | | | | | | | | | 201 |
| | | 22 | 180M | | | | | | | | | | | | | | | 1150 | | | | | | | | | | 224 |
| | | | | | | | | | | | | | | | | | | 1120 | | | | | | | | | | 224 |
| | | | | | | | | | | | | | | | | | | 1120 | | | | | | | | | | 228 |
| 40-315 | 2,2 | | 100L | 40 | 65 | 125 | 250 | 225 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 999 | 171 | 1250 | 540 | 430 | 205 | 840 | 490 | 50 | 22 | 1095 | 173 |
| | 3 | | 100L | | | | | | | | | | | | | | | 171 | | | | | | | | | | 173 |
| | 4 | | 112 | | | | | | | | | | | | | | | 178 | | | | | | | | | | 180 |
| | 5,5 | | 132S | | | | | | | | | | | | | | | 189 | | | | | | | | | | 195 |
| | | 15 | 160M | | | | | | | | | | | | | | | 189 | | | | | | | | | | 195 |
| | | 18,5 | 160L | | | | | | | | | | | | | | | 242 | | | | | | | | | | 244 |
| | | 22 | 180M | | | | | | | | | | | | | | | 256 | | | | | | | | | | 258 |
| | | 30 | 200L | | | | | | | | | | | | | | | 1285 | | | | | | | | | | 280 |
| | | 37 | 200L | | | | | | | | | | | | | | | 1322 | | | | | | | | | | 345 |
| | | | | | | | | | | | | | | | | | | 1400 | | | | | | | | | | 345 |
| | | | | | | | | | | | | | | | | | | 1400 | | | | | | | | | | 347 |
| 50-125 | 0,37 | | 71 | 50 | 65 | 100 | 160 | 132 | 900 | 390 | 300 | 150 | 600 | 350 | 50 | 18 | 734 | 77 | 900 | 390 | 300 | 150 | 600 | 350 | 50 | 18 | 830 | 77 |
| | 0,55 | | 80 | | | | | | | | | | | | | | | 77 | | | | | | | | | | 77 |
| | 0,75 | | 80 | | | | | | | | | | | | | | | 77 | | | | | | | | | | 77 |
| | 1,1 | | 90S | | | | | | | | | | | | | | | 80 | | | | | | | | | | 80 |
| | | 1,5 | 90S | | | | | | | | | | | | | | | 82 | | | | | | | | | | 83 |
| | | 2,2 | 90L | | | | | | | | | | | | | | | 83 | | | | | | | | | | 83 |
| | | 3 | 100L | | | | | | | | | | | | | | | 864 | | | | | | | | | | 93 |
| | | 4 | 112 | | | | | | | | | | | | | | | 864 | | | | | | | | | | 104 |
| | | 5,5 | 132S | | | | | | | | | | | | | | | 900 | | | | | | | | | | 104 |
| | | 7,5 | 132S | | | | | | | | | | | | | | | 900 | | | | | | | | | | 104 |
| | | 11 | 160M | | | | | | | | | | | | | | | 946 | | | | | | | | | | 115 |
| | 15 | 160M | 1120 | 165 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1120 | 165 | | | | | | | | | | | | | | | | | | | | | | | | |
| 50-160 | 0,55 | | 80 | 50 | 65 | 100 | 180 | 160 | 900 | 490 | 380 | 150 | 600 | 440 | 50 | 18 | 734 | 82 | 1000 | 450 | 340 | 170 | 660 | 400 | 50 | 22 | 830 | 84 |
| | 0,75 | | 80 | | | | | | | | | | | | | | | 82 | | | | | | | | | | 84 |
| | 1,1 | | 90S | | | | | | | | | | | | | | | 85 | | | | | | | | | | 87 |
| | 1,5 | | 90L | | | | | | | | | | | | | | | 87 | | | | | | | | | | 89 |
| | | 2,2 | 100L | | | | | | | | | | | | | | | 864 | | | | | | | | | | 97 |
| | | 2,2 | 90L | | | | | | | | | | | | | | | 864 | | | | | | | | | | 87 |
| | | 3 | 100L | | | | | | | | | | | | | | | 864 | | | | | | | | | | 97 |
| | | 4 | 112 | | | | | | | | | | | | | | | 864 | | | | | | | | | | 103 |
| | | 5,5 | 132S | | | | | | | | | | | | | | | 946 | | | | | | | | | | 119 |
| | | 7,5 | 132S | | | | | | | | | | | | | | | 946 | | | | | | | | | | 119 |
| | | 11 | 160M | | | | | | | | | | | | | | | 1120 | | | | | | | | | | 165 |
| | 15 | 160M | 1120 | 165 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1120 | 166 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1120 | 166 | | | | | | | | | | | | | | | | | | | | | | | | |
| 50-200 | 1,1 | | 90S | 50 | 65 | 100 | 200 | 160 | 900 | 490 | 380 | 150 | 600 | 440 | 50 | 18 | 784 | 89 | 1120 | 490 | 380 | 190 | 740 | 440 | 50 | 22 | 880 | 91 |
| | 1,5 | | 90L | | | | | | | | | | | | | | | 92 | | | | | | | | | | 93 |
| | 2,2 | | 100L | | | | | | | | | | | | | | | 102 | | | | | | | | | | 104 |
| | 3 | | 100L | | | | | | | | | | | | | | | 102 | | | | | | | | | | 104 |
| | | 4 | 112 | | | | | | | | | | | | | | | 864 | | | | | | | | | | 109 |
| | | 3 | 100L | | | | | | | | | | | | | | | 864 | | | | | | | | | | 102 |
| | | 4 | 112 | | | | | | | | | | | | | | | 864 | | | | | | | | | | 102 |
| | | 5,5 | 132S | | | | | | | | | | | | | | | 946 | | | | | | | | | | 123 |
| | | 7,5 | 132S | | | | | | | | | | | | | | | 946 | | | | | | | | | | 123 |
| | | 11 | 160M | | | | | | | | | | | | | | | 1120 | | | | | | | | | | 169 |
| | | 15 | 160M | | | | | | | | | | | | | | | 1120 | | | | | | | | | | 169 |
| | 18,5 | 160L | 1112 | 183 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 22 | 180M | 1150 | 217 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1120 | 217 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1120 | 220 | | | | | | | | | | | | | | | | | | | | | | | | |

| Components | | | | Common | | | | | Standard coupling | | | | | | | | | Coupling with spacer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--------|--------|------------|--------|------|------|------|-----|-------------------|------|------|------|------|------|-----|------|------|----------------------|------|-----|------|-----|------|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----|-----|-----|----|----|-----|-----|------|-----|-----|-----|-----|-----|----|----|------|-----|
| Pump | Motor | | | DN2 | DN1 | a | h2 | h1 | A | B | F | Y | V | E | H | S | T | kg | A | B | F | Y | V | E | H | S | T | kg | | | | | | | | | | | | | | | | | | | | | | |
| | kW | 2 pol. | Frame size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 pol. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50-250 | 1,5 | | 90L | 50 | 65 | 100 | 225 | 180 | 900 | 490 | 380 | 150 | 600 | 440 | 50 | 18 | 784 | 107 | 900 | 490 | 380 | 150 | 600 | 440 | 50 | 18 | 880 | 108 | | | | | | | | | | | | | | | | | | | | | | |
| | 2,2 | | 100L | | | | | | | | | | | | | | 864 | 117 | | | | | | | | | 960 | 119 | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | | 100L | | | | | | | | | | | | | | 864 | 117 | | | | | | | | | 960 | 119 | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | 112 | | | | | | | | | | | | | | 946 | 123 | | | | | | | | | 1042 | 142 | | | | | | | | | | | | | | | | | | | | | | |
| | 5,5 | | 132S | | | | | | | | | | | | | | 946 | 138 | | | | | | | | | 1042 | 157 | | | | | | | | | | | | | | | | | | | | | | |
| | | 15 | 160M | | | | | | | | | | | | | | 1112 | 194 | | | | | | | | | 1208 | 195 | | | | | | | | | | | | | | | | | | | | | | |
| | | 18,5 | 160L | | | | | | | | | | | | | | 1112 | 207 | | | | | | | | | 1208 | 211 | | | | | | | | | | | | | | | | | | | | | | |
| | | 22 | 180M | | | | | | | | | | | | | | 1150 | 232 | | | | | | | | | 1250 | 235 | | | | | | | | | | | | | | | | | | | | | | |
| | 30 | 200L | 1187 | 296 | 1400 | 321 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50-315 | 3 | | 100L | 50 | 65 | 125 | 280 | 225 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 999 | 171 | 1250 | 540 | 430 | 205 | 840 | 490 | 50 | 22 | 1095 | 173 | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | 112 | | | | | | | | | | | | | | 1081 | 178 | | | | | | | | | 1095 | 180 | | | | | | | | | | | | | | | | | | | | | | |
| | 5,5 | | 132S | | | | | | | | | | | | | | 1081 | 189 | | | | | | | | | 1095 | 195 | | | | | | | | | | | | | | | | | | | | | | |
| | 7,5 | | 132M | | | | | | | | | | | | | | 1081 | 199 | | | | | | | | | 1177 | 203 | | | | | | | | | | | | | | | | | | | | | | |
| | | 22 | 180M | | | | | | | | | | | | | | 1285 | 280 | | | | | | | | | 1381 | 283 | | | | | | | | | | | | | | | | | | | | | | |
| | | 30 | 200L | | | | | | | | | | | | | | 1322 | 345 | | | | | | | | | 1418 | 348 | | | | | | | | | | | | | | | | | | | | | | |
| | | 37 | 200L | | | | | | | | | | | | | | 1322 | 345 | | | | | | | | | 1418 | 348 | | | | | | | | | | | | | | | | | | | | | | |
| | | 45 | 225M | | | | | | | | | | | | | | 1400 | 404 | | | | | | | | | 1525 | 411 | | | | | | | | | | | | | | | | | | | | | | |
| | | 55 | 250M | | | | | | | | | | | | | | 1429 | 438 | | | | | | | | | 1525 | 441 | | | | | | | | | | | | | | | | | | | | | | |
| | | 75 | 280S | | | | | | | | | | | | | | 1559 | 572 | | | | | | | | | 1655 | 576 | | | | | | | | | | | | | | | | | | | | | | |
| 65-125 | 0,55 | | 80 | 65 | 80 | 100 | 180 | 160 | 900 | 490 | 380 | 150 | 600 | 440 | 50 | 18 | 734 | 80 | 1000 | 450 | 340 | 170 | 660 | 400 | 50 | 22 | 830 | 81 | | | | | | | | | | | | | | | | | | | | | | |
| | 0,75 | | 80 | | | | | | | | | | | | | | 784 | 80 | | | | | | | | | 880 | 85 | | | | | | | | | | | | | | | | | | | | | | |
| | 1,1 | | 90S | | | | | | | | | | | | | | 784 | 83 | | | | | | | | | 880 | 85 | | | | | | | | | | | | | | | | | | | | | | |
| | | 3 | 100L | | | | | | | | | | | | | | 864 | 95 | | | | | | | | | 960 | 98 | | | | | | | | | | | | | | | | | | | | | | |
| | | 4 | 112 | | | | | | | | | | | | | | 864 | 102 | | | | | | | | | 960 | 120 | | | | | | | | | | | | | | | | | | | | | | |
| | | 5,5 | 132S | | | | | | | | | | | | | | 946 | 117 | | | | | | | | | 1042 | 135 | | | | | | | | | | | | | | | | | | | | | | |
| | | 7,5 | 132S | | | | | | | | | | | | | | 946 | 117 | | | | | | | | | 1042 | 135 | | | | | | | | | | | | | | | | | | | | | | |
| | | 11 | 160M | | | | | | | | | | | | | | 1112 | 163 | | | | | | | | | 1208 | 164 | | | | | | | | | | | | | | | | | | | | | | |
| 65-160 | 0,75 | | 80 | 65 | 80 | 100 | 200 | 160 | 900 | 490 | 380 | 150 | 600 | 440 | 50 | 18 | 734 | 85 | 1000 | 450 | 340 | 170 | 660 | 400 | 50 | 22 | 830 | 86 | | | | | | | | | | | | | | | | | | | | | | |
| | 1,1 | | 90S | | | | | | | | | | | | | | 784 | 88 | | | | | | | | | 880 | 90 | | | | | | | | | | | | | | | | | | | | | | |
| | 1,5 | | 90L | | | | | | | | | | | | | | 784 | 90 | | | | | | | | | 880 | 92 | | | | | | | | | | | | | | | | | | | | | | |
| | 2,2 | | 100L | | | | | | | | | | | | | | 864 | 100 | | | | | | | | | 960 | 103 | | | | | | | | | | | | | | | | | | | | | | |
| | | 5,5 | 132S | | | | | | | | | | | | | | 946 | 122 | | | | | | | | | 1042 | 140 | | | | | | | | | | | | | | | | | | | | | | |
| | | 7,5 | 132S | | | | | | | | | | | | | | 946 | 122 | | | | | | | | | 1042 | 140 | | | | | | | | | | | | | | | | | | | | | | |
| | | 11 | 160M | | | | | | | | | | | | | | 1112 | 168 | | | | | | | | | 1208 | 169 | | | | | | | | | | | | | | | | | | | | | | |
| | | 15 | 160M | | | | | | | | | | | | | | 1112 | 168 | | | | | | | | | 1208 | 169 | | | | | | | | | | | | | | | | | | | | | | |
| 65-200 | 1,1 | | 90S | 65 | 80 | 100 | 225 | 180 | 900 | 490 | 380 | 150 | 600 | 440 | 50 | 18 | 784 | 98 | 1120 | 490 | 380 | 190 | 740 | 440 | 50 | 22 | 880 | 115 | | | | | | | | | | | | | | | | | | | | | | |
| | 1,5 | | 90L | | | | | | | | | | | | | | 864 | 110 | | | | | | | | | 960 | 128 | | | | | | | | | | | | | | | | | | | | | | |
| | 2,2 | | 100L | | | | | | | | | | | | | | 864 | 110 | | | | | | | | | 960 | 128 | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | | 100L | | | | | | | | | | | | | | 946 | 116 | | | | | | | | | 1042 | 134 | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | 112 | | | | | | | | | | | | | | 946 | 131 | | | | | | | | | 1042 | 149 | | | | | | | | | | | | | | | | | | | | | | |
| | 5,5 | | 132S | | | | | | | | | | | | | | 1112 | 186 | | | | | | | | | 1208 | 219 | | | | | | | | | | | | | | | | | | | | | | |
| | | 11 | 160M | | | | | | | | | | | | | | 1112 | 186 | | | | | | | | | 1208 | 219 | | | | | | | | | | | | | | | | | | | | | | |
| | | 15 | 160M | | | | | | | | | | | | | | 1112 | 186 | | | | | | | | | 1208 | 219 | | | | | | | | | | | | | | | | | | | | | | |
| | | 18,5 | 160L | | | | | | | | | | | | | | 1150 | 200 | | | | | | | | | 1246 | 234 | | | | | | | | | | | | | | | | | | | | | | |
| | | 22 | 180M | | | | | | | | | | | | | | 1150 | 225 | | | | | | | | | 1246 | 257 | | | | | | | | | | | | | | | | | | | | | | |
| | | 30 | 200L | | | | | | | | | | | | | | 1187 | 288 | | | | | | | | | 1283 | 313 | | | | | | | | | | | | | | | | | | | | | | |
| | 65-250 | 2,2 | | | | | | | | | | | | | | | 100L | 65 | | | | | | | | | 80 | 100 | 250 | 200 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 974 | 163 | 1250 | 540 | 430 | 205 | 840 | 490 | 50 | 22 | 1070 | 164 |
| 3 | | | 100L | 1056 | 169 | 1070 | 172 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | 112 | 1056 | 184 | 1152 | 187 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5,5 | | | 132S | 1056 | 194 | 1152 | 194 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7,5 | | | 132M | 1222 | 249 | 1318 | 251 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 18,5 | 160L | 1260 | 273 | 1356 | 276 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 22 | 180M | 1297 | 337 | 1393 | 340 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 30 | 200L | 1297 | 337 | 1393 | 340 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 37 | 200L | 1404 | 396 | 1500 | 403 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 45 | 225M | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 1081 | 203 | 1400 | 610 | 480 | 230 | | 940 | 550 | 75 | 26 | 1217 | 227 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65-315 | | 5,5 | | 132S | 65 | 80 | 125 | 280 | 225 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | | 1081 | 211 | 1400 | 610 | 480 | 230 | 940 | 550 | | | | | | | | | | | | | 75 | 26 | | | | | | | | | 1217 | 235 |
| | | 7,5 | | 132M | | | | | | 1400 | 610 | 480 | 230 | 940 | 550 | 75 | 26 | | 1247 | 254 | 1383 | 270 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | 160M | 1400 | | | | | | 610 | 480 | 230 | 940 | 550 | 75 | 26 | 1247 | 268 | 1383 | 270 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 15 | | 160L | 1400 | | | | | | 730 | 600 | 230 | 940 | 670 | 75 | 26 | 1322 | 370 | 1458 | 373 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 30 | 200L | 1400 | | | | | 730 | 600 | 230 | 940 | 670 | 75 | 26 | 1322 | 370 | 1458 | 373 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 37 | 200L | 1600 | | | | | 660 | 530 | 270 | 1060 | 600 | 75 | 26 | 1429 | 419 | 1565 | 422 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 45 | 225M | 1600 | | | | | 660 | 530 | 270 | 1060 | 600 | 75 | 26 | 1429 | 449 | 1565 | 452 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 55 | 250M | 1800 | | | | | 730 | 600 | 300 | 1200 | 670 | 100 | 26 | 1559 | 583 | 1695 | 587 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 75 | 280S | 1800 | 730 | 600 | 300 | 1200 | 670 | 100 | 26 | 1559 | 629 | 1695 | 633 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80-160 | 0,75 | | 80 | 80 | 100 | 125 | 225 | 180 | 900 | 490 | 380 | 150 | 600 | 440 | 50 | 18 | 759 | 90 | 1120 | 490 | 380 | 190 | 740 | 440 | 50 | 22 | 855 | 108 | | | | | | | | | | | | | | | | | | | | | | |
| | 1,1 | | 90S | | | | | | | | | | | | | | 809 | 93 | | | | | | | | | 905 | 111 | | | | | | | | | | | | | | | | | | | | | | |
| | 1,5 | | 90L | | | | | | | | | | | | | | 809 | 95 | | | | | | | | | 905 | 113 | | | | | | | | | | | | | | | | | | | | | | |
| | 2,2 | | 100L | | | | | | | | | | | | | | 889 | 105 | | | | | | | | | 985 | 123 | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | | 100L | | | | | | | | | | | | | | 889 | 105 | | | | | | | | | 985 | 123 | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | 112 | | | | | | | | | | | | | | 1137 | 112 | | | | | | | | | 1067 | 130 | | | | | | | | | | | | | | | | | | | | | | |
| | | 7,5 | 132S | | | | | | | | | | | | | | 971 | 143 | | | | | | | | | 1067 | 145 | | | | | | | | | | | | | | | | | | | | | | |
| | | 11 | 160M | | | | | | | | | | | | | | 1137 | 182 | | | | | | | | | 1233 | 206 | | | | | | | | | | | | | | | | | | | | | | |
| | | 15 | 160M | | | | | | | | | | | | | | 1137 | 182 | | | | | | | | | 1233 | 206 | | | | | | | | | | | | | | | | | | | | | | |
| | | 18,5 | 160L | | | | | | | | | | | | | | 1175 | 196 | | | | | | | | | 1271 | 220 | | | | | | | | | | | | | | | | | | | | | | |
| | | 22 | 180M | | | | | | | | | | | | | | 1175 | 220 | | | | | | | | | 1271 | 243 | | | | | | | | | | | | | | | | | | | | | | |
| | | 30 | 200L | | | | | | | | | | | | | | 1212 | 284 | | | | | | | | | 1308 | 309 | | | | | | | | | | | | | | | | | | | | | | |

| Components | | | | Common | | | | | Standard coupling | | | | | | | | | Coupling with spacer | | | | | | | | | | |
|------------|--------|--------|------------|--------|------|-----|-----|-----|-------------------|-----|-----|-----|-----|-----|----|----|------|----------------------|------|-----|-----|-----|-----|-----|----|----|------|-----|
| Pump | Motor | | Frame size | DN2 | DN1 | a | h2 | h1 | A | B | F | Y | V | E | H | S | T | kg | A | B | F | Y | V | E | H | S | T | kg |
| | 4 pol. | 2 pol. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80-200 | 2,2 | | 100L | 80 | 100 | 125 | 250 | 180 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 999 | 152 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 1095 | 153 |
| | 3 | | 100L | | | | | | | | | | | | | | 159 | 160 | | | | | | | | | | |
| | 4 | | 112 | | | | | | | | | | | | | | 1247 | 224 | | | | | | | | | 238 | |
| | 5,5 | | 132S | | | | | | | | | | | | | | 1081 | 170 | | | | | | | | | 1217 | 176 |
| | | 15 | 160M | | | | | | | | | | | | | | 1285 | 262 | | | | | | | | | 1343 | 226 |
| | | 18,5 | 160L | | | | | | | | | | | | | | 1322 | 327 | | | | | | | | | 1418 | 240 |
| | | 22 | 180M | | | | | | | | | | | | | | 1429 | 385 | | | | | | | | | 1381 | 265 |
| | | 30 | 200L | | | | | | | | | | | | | | 1429 | 385 | | | | | | | | | 1418 | 329 |
| | | 37 | 200L | | | | | | | | | | | | | | 1429 | 385 | | | | | | | | | 1418 | 329 |
| | 45 | 225M | 1429 | 385 | 1525 | 392 | | | | | | | | | | | | | | | | | | | | | | |
| 80-250 | 3 | | 100L | 80 | 100 | 125 | 280 | 200 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 999 | 167 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 1095 | 170 |
| | 4 | | 112 | | | | | | | | | | | | | | 174 | 177 | | | | | | | | | | |
| | 5,5 | | 132S | | | | | | | | | | | | | | 1081 | 185 | | | | | | | | | 188 | |
| | 7,5 | | 132M | | | | | | | | | | | | | | 1081 | 193 | | | | | | | | | 198 | |
| | 11 | | 160M | | | | | | | | | | | | | | 1247 | 236 | | | | | | | | | 1343 | 238 |
| | | 22 | 180M | | | | | | | | | | | | | | 1285 | 275 | | | | | | | | | 1381 | 278 |
| | | 30 | 200L | | | | | | | | | | | | | | 1322 | 338 | | | | | | | | | 1418 | 341 |
| | | 37 | 200L | | | | | | | | | | | | | | 1322 | 338 | | | | | | | | | 1418 | 341 |
| | | 45 | 225M | | | | | | | | | | | | | | 1429 | 397 | | | | | | | | | 1525 | 404 |
| | | 55 | 250M | | | | | | | | | | | | | | 1429 | 431 | | | | | | | | | 1525 | 434 |
| | 75 | 280S | 1559 | 565 | 1655 | 569 | | | | | | | | | | | | | | | | | | | | | | |
| 80-315 | 5,5 | | 132S | 80 | 100 | 125 | 315 | 250 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 1081 | 196 | 1400 | 610 | 480 | 230 | 940 | 550 | 75 | 26 | 1217 | 218 |
| | 7,5 | | 132M | | | | | | | | | | | | | | 204 | 228 | | | | | | | | | | |
| | 11 | | 160M | | | | | | | | | | | | | | 1247 | 248 | | | | | | | | | 1383 | 250 |
| | 15 | | 160L | | | | | | | | | | | | | | 1247 | 262 | | | | | | | | | 1383 | 264 |
| | 18,5 | | 180M | | | | | | | | | | | | | | 1285 | 286 | | | | | | | | | 1421 | 288 |
| | 22 | | 180L | | | | | | | | | | | | | | 1322 | 325 | | | | | | | | | 1458 | 327 |
| | 30 | | 200L | | | | | | | | | | | | | | 1322 | 364 | | | | | | | | | 1458 | 367 |
| | | 37 | 200L | | | | | | | | | | | | | | 1322 | 364 | | | | | | | | | 1458 | 367 |
| | | 45 | 225M | | | | | | | | | | | | | | 1429 | 413 | | | | | | | | | 1565 | 416 |
| | | 55 | 250M | | | | | | | | | | | | | | 1429 | 443 | | | | | | | | | 1565 | 446 |
| | | 75 | 280S | | | | | | | | | | | | | | 1559 | 576 | | | | | | | | | 1695 | 580 |
| | 90 | 280M | 1559 | 622 | 1695 | 626 | | | | | | | | | | | | | | | | | | | | | | |
| 80-400 | 11 | | 160M | 80 | 125 | 125 | 355 | 280 | 1400 | 610 | 480 | 230 | 940 | 550 | 75 | 26 | 1307 | 356 | 1400 | 610 | 480 | 230 | 940 | 550 | 75 | 26 | 1443 | 340 |
| | 15 | | 160L | | | | | | | | | | | | | | 1370 | 369 | | | | | | | | | 1481 | 379 |
| | 18,5 | | 180M | | | | | | | | | | | | | | 1345 | 392 | | | | | | | | | 1481 | 379 |
| | 22 | | 180L | | | | | | | | | | | | | | 1382 | 428 | | | | | | | | | 1518 | 417 |
| | 30 | | 200L | | | | | | | | | | | | | | 1382 | 452 | | | | | | | | | 1518 | 491 |
| | 37 | | 225S | | | | | | | | | | | | | | 1489 | 494 | | | | | | | | | 1625 | 533 |
| 100-160 | 2,2 | | 100L | 100 | 125 | 125 | 280 | 200 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 999 | 155 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 1135 | 157 |
| | 3 | | 100L | | | | | | | | | | | | | | 162 | 163 | | | | | | | | | | |
| | 4 | | 112 | | | | | | | | | | | | | | 1081 | 173 | | | | | | | | | 1217 | 179 |
| | 5,5 | | 132S | | | | | | | | | | | | | | 1247 | 242 | | | | | | | | | 1383 | 244 |
| | | 18,5 | 160L | | | | | | | | | | | | | | 1285 | 266 | | | | | | | | | 1421 | 268 |
| | | 22 | 180M | | | | | | | | | | | | | | 1322 | 330 | | | | | | | | | 1458 | 332 |
| | | 30 | 200L | | | | | | | | | | | | | | 1322 | 330 | | | | | | | | | 1458 | 332 |
| | | 37 | 200L | | | | | | | | | | | | | | 1322 | 330 | | | | | | | | | 1458 | 332 |
| 100-200 | 2,2 | | 100L | 100 | 125 | 125 | 280 | 200 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 999 | 159 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 1135 | 160 |
| | 3 | | 100L | | | | | | | | | | | | | | 165 | 166 | | | | | | | | | | |
| | 4 | | 112 | | | | | | | | | | | | | | 1081 | 176 | | | | | | | | | 1217 | 182 |
| | 5,5 | | 132S | | | | | | | | | | | | | | 1081 | 186 | | | | | | | | | 1217 | 190 |
| | 7,5 | | 132M | | | | | | | | | | | | | | 1247 | 245 | | | | | | | | | 1383 | 247 |
| | 18,5 | | 160L | | | | | | | | | | | | | | 1285 | 269 | | | | | | | | | 1421 | 271 |
| | 22 | | 180M | | | | | | | | | | | | | | 1322 | 333 | | | | | | | | | 1458 | 336 |
| | 30 | | 200L | | | | | | | | | | | | | | 1322 | 333 | | | | | | | | | 1458 | 336 |
| | 37 | | 200L | | | | | | | | | | | | | | 1322 | 333 | | | | | | | | | 1458 | 336 |
| | 45 | | 225M | | | | | | | | | | | | | | 1429 | 392 | | | | | | | | | 1525 | 399 |
| 55 | | 250M | 1429 | 426 | 1525 | 429 | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | 280S | 1559 | 560 | 1695 | 564 | | | | | | | | | | | | | | | | | | | | | | |
| 100-250 | 4 | | 112 | 100 | 125 | 140 | 280 | 225 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 1014 | 190 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 1150 | 192 |
| | 5,5 | | 132S | | | | | | | | | | | | | | 1096 | 201 | | | | | | | | | 1232 | 225 |
| | 7,5 | | 132M | | | | | | | | | | | | | | 1096 | 209 | | | | | | | | | 1232 | 233 |
| | 11 | | 160M | | | | | | | | | | | | | | 1262 | 252 | | | | | | | | | 1398 | 254 |
| | 15 | | 160L | | | | | | | | | | | | | | 1262 | 266 | | | | | | | | | 1398 | 268 |
| | | 30 | 200L | | | | | | | | | | | | | | 1337 | 368 | | | | | | | | | 1473 | 371 |
| | | 37 | 200L | | | | | | | | | | | | | | 1337 | 368 | | | | | | | | | 1473 | 371 |
| | | 45 | 225M | | | | | | | | | | | | | | 1444 | 417 | | | | | | | | | 1580 | 420 |
| | | 55 | 250M | | | | | | | | | | | | | | 1444 | 447 | | | | | | | | | 1580 | 450 |
| | | 75 | 280S | | | | | | | | | | | | | | 1574 | 581 | | | | | | | | | 1710 | 585 |
| | 90 | 280M | 1574 | 627 | 1710 | 631 | | | | | | | | | | | | | | | | | | | | | | |
| 100-315 | 11 | | 160M | 100 | 125 | 140 | 315 | 250 | 1400 | 610 | 480 | 230 | 940 | 550 | 75 | 26 | 1262 | 270 | 1400 | 610 | 480 | 230 | 940 | 550 | 75 | 26 | 1398 | 272 |
| | 15 | | 160L | | | | | | | | | | | | | | 1300 | 284 | | | | | | | | | 1436 | 286 |
| | 18,5 | | 180M | | | | | | | | | | | | | | 1337 | 309 | | | | | | | | | 1473 | 311 |
| | 22 | | 180L | | | | | | | | | | | | | | 1337 | 347 | | | | | | | | | 1473 | 349 |
| | 30 | 200L | 1337 | 386 | 1473 | 425 | | | | | | | | | | | | | | | | | | | | | | |

| Components | | | Common | | | | | Standard coupling | | | | | | | | | | Coupling with spacer | | | | | | | | | | | | | | | | | |
|------------|---------|------------|--------|-----|------|-----|-----|-------------------|------|------|-----|------|------|------|-----|------|------|----------------------|-----|-----|-----|------|-----|-----|----|------|-----|--------|--------|------|-----|------|-----|------|-----|
| Pump | Motor | | DN2 | DN1 | a | h2 | h1 | A | B | F | Y | V | E | H | S | T | kg | A | B | F | Y | V | E | H | S | T | kg | | | | | | | | |
| | kW | Frame size | | | | | | | | | | | | | | | | | | | | | | | | | | 4 pol. | 2 pol. | | | | | | |
| 100-400 | 15 | 160L | 100 | 125 | 140 | 355 | 280 | 1400 | 730 | 600 | 230 | 940 | 670 | 75 | 26 | 1322 | 373 | 1400 | 730 | 600 | 230 | 940 | 670 | 75 | 26 | 1458 | 376 | | | | | | | | |
| | 18,5 | 180M | | | | | | | | | | | | | | 1360 | 398 | | | | | | | | | 1496 | 401 | | | | | | | | |
| | 22 | 180L | | | | | | | | | | | | | | 436 | 437 | | | | | | | | | | | | | | | | | | |
| | 30 | 200L | | | | | | | | | | | | | | 1397 | 462 | | | | | | | | | 1533 | 501 | | | | | | | | |
| | 37 | 225S | | | | | | | | | | | | | | 503 | 542 | | | | | | | | | | | | | | | | | | |
| | 45 | 225M | | | | | | | | | | | | | | 1504 | 521 | | | | | | | | | 1640 | 561 | | | | | | | | |
| 125-200 | 7,5 | 132M | 125 | 150 | 140 | 315 | 250 | 1120 | 610 | 480 | 190 | 740 | 550 | 50 | 22 | 1096 | 223 | 1400 | 610 | 480 | 230 | 940 | 670 | 75 | 26 | 1232 | 248 | | | | | | | | |
| | 11 | 160M | | | | | | 1400 | 610 | 480 | 230 | 940 | 550 | 75 | 26 | 1262 | 267 | | | | | | | | | 1398 | 269 | | | | | | | | |
| | 15 | 160L | | | | | | 281 | 283 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 37 | 200L | | | | | | 1400 | 730 | 600 | 230 | 940 | 670 | 75 | 26 | 1337 | 383 | | | | | | | | | 1473 | 386 | | | | | | | | |
| | 45 | 225M | | | | | | 1600 | 660 | 530 | 270 | 1060 | 600 | 75 | 26 | 1444 | 432 | | | | | | | | | 435 | 465 | | | | | | | | |
| | 55 | 250M | | | | | | 462 | 465 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 75 | 280S | | | | | | 280 | 1800 | 730 | 600 | 300 | 1200 | 670 | 100 | 26 | 1574 | | | | | | | | | 595 | 599 | | | | | | | | |
| | 90 | 280M | | | | | | 641 | 645 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 110 | 315S | | | | | | 1800 | 850 | 700 | 300 | 1200 | 780 | 100 | 26 | 1574 | 670 | | | | | | | | | 1710 | 675 | | | | | | | | |
| | 125-250 | 7,5 | | | | | | 132M | 125 | 150 | 140 | 355 | 250 | 1120 | 610 | 480 | 190 | | | | | | | | | 740 | 550 | 50 | 22 | 1096 | 237 | 1400 | 610 | 480 | 230 |
| 11 | | 160M | 1262 | 281 | 1398 | 283 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | 160L | 295 | 297 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18,5 | | 180M | 1300 | 319 | 1436 | 322 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | 180L | 1337 | 358 | 1473 | 360 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | 160L | 1322 | 352 | 1458 | 355 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 125-315 | 18,5 | 180M | 125 | 150 | 140 | 355 | 280 | 1400 | 730 | 600 | 230 | 940 | 670 | 75 | 26 | 1360 | 377 | 1400 | 730 | 600 | 230 | 940 | 670 | 75 | 26 | 1496 | 379 | | | | | | | | |
| | 22 | 180L | | | | | | | | | | | | | | 1397 | 415 | | | | | | | | | 1533 | 415 | | | | | | | | |
| | 30 | 200L | | | | | | | | | | | | | | 440 | 479 | | | | | | | | | | | | | | | | | | |
| | 37 | 225S | | | | | | | | | | | | | | 1504 | 482 | | | | | | | | | 1640 | 521 | | | | | | | | |
| | 45 | 225M | | | | | | | | | | | | | | 500 | 540 | | | | | | | | | | | | | | | | | | |
| | 30 | 200L | | | | | | | | | | | | | | 1397 | 475 | | | | | | | | | 1533 | 513 | | | | | | | | |
| 125-400 | 37 | 225S | 125 | 150 | 140 | 400 | 315 | 1400 | 730 | 600 | 230 | 940 | 670 | 75 | 26 | 1504 | 516 | 1800 | 730 | 600 | 300 | 1200 | 670 | 100 | 26 | 1640 | 555 | | | | | | | | |
| | 45 | 225M | | | | | | 534 | 575 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 55 | 250M | | | | | | 1800 | 730 | 600 | 300 | 1200 | 670 | 100 | 26 | 1569 | 612 | | | | | | | | | 1705 | 616 | | | | | | | | |
| | 75 | 280S | | | | | | 1800 | 850 | 700 | 300 | 1200 | 780 | 100 | 26 | 1634 | 733 | | | | | | | | | 1770 | 739 | | | | | | | | |
| | 7,5 | 132M | | | | | | 1116 | 303 | 1252 | 306 | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | 160M | | | | | | 1282 | 325 | 1418 | 327 | | | | | | | | | | | | | | | | | | | | | | | | |
| 150-200 | 15 | 160L | 150 | 200 | 160 | 400 | 280 | 1400 | 730 | 600 | 230 | 940 | 670 | 75 | 26 | 1282 | 338 | 1400 | 730 | 600 | 230 | 940 | 670 | 75 | 26 | 1418 | 373 | | | | | | | | |
| | 18,5 | 180M | | | | | | | | | | | | | | 1320 | 363 | | | | | | | | | 1456 | 366 | | | | | | | | |
| | 15 | 160L | | | | | | | | | | | | | | 1282 | 370 | | | | | | | | | 1418 | 373 | | | | | | | | |
| | 18,5 | 180M | | | | | | | | | | | | | | 1320 | 395 | | | | | | | | | 1456 | 398 | | | | | | | | |
| | 22 | 180L | | | | | | | | | | | | | | 1357 | 433 | | | | | | | | | 1493 | 436 | | | | | | | | |
| | 30 | 200L | | | | | | | | | | | | | | 459 | 497 | | | | | | | | | | | | | | | | | | |
| 150-250 | 37 | 225S | 150 | 200 | 160 | 400 | 280 | 1400 | 730 | 600 | 230 | 940 | 670 | 75 | 26 | 1464 | 500 | 1800 | 730 | 600 | 300 | 1200 | 670 | 100 | 26 | 1600 | 539 | | | | | | | | |
| | 18,5 | 180M | | | | | | | | | | | | | | 1380 | 427 | | | | | | | | | 1400 | 730 | 600 | 230 | 940 | 670 | 75 | 26 | 1516 | 432 |
| | 22 | 180L | | | | | | | | | | | | | | 1417 | 465 | | | | | | | | | 1553 | 504 | | | | | | | | |
| | 30 | 200L | | | | | | | | | | | | | | 491 | 530 | | | | | | | | | | | | | | | | | | |
| | 37 | 225S | | | | | | | | | | | | | | 1524 | 567 | | | | | | | | | 1660 | 571 | | | | | | | | |
| | 45 | 225M | | | | | | | | | | | | | | 586 | 591 | | | | | | | | | | | | | | | | | | |
| 150-315 | 55 | 250M | 150 | 200 | 160 | 400 | 280 | 1400 | 730 | 600 | 300 | 1200 | 670 | 100 | 26 | 1589 | 628 | 1800 | 730 | 600 | 300 | 1200 | 670 | 100 | 26 | 1725 | 632 | | | | | | | | |
| | 45 | 225M | | | | | | | | | | | | | | 1524 | 605 | | | | | | | | | 1660 | 610 | | | | | | | | |
| | 55 | 250M | | | | | | | | | | | | | | 1589 | 647 | | | | | | | | | 1725 | 652 | | | | | | | | |
| | 75 | 280S | | | | | | | | | | | | | | 1800 | 730 | | | | | | | | | 600 | 300 | 1200 | 670 | 100 | 26 | 1654 | 768 | 1790 | 774 |
| | 90 | 280M | | | | | | | | | | | | | | 837 | 844 | | | | | | | | | | | | | | | | | | |
| | 15 | 160L | | | | | | | | | | | | | | 1402 | 425 | | | | | | | | | 1578 | 468 | | | | | | | | |
| 200-250 | 18,5 | 180M | 200 | 200 | 160 | 400 | 280 | 1400 | 730 | 600 | 230 | 940 | 670 | 75 | 26 | 1440 | 450 | 1800 | 730 | 600 | 300 | 1200 | 670 | 100 | 26 | 1616 | 493 | | | | | | | | |
| | 22 | 180L | | | | | | | | | | | | | | 488 | 531 | | | | | | | | | | | | | | | | | | |
| | 30 | 200L | | | | | | | | | | | | | | 1477 | 514 | | | | | | | | | 1653 | 557 | | | | | | | | |

FOUNDATION PLAN, BEARING BRACKETS 55 & 65



OUTLINE DIMENSIONS

| Components | | | Common | | | | | Standard coupling | | | | | | | | | | Coupling with spacer | | | | | | | | | | | | | | | | |
|------------|--------------|---------------|--------|-----|-----|-----|-----|-------------------|-----|-----|-----|------|-----|------|------|------|------|----------------------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|--|
| Pump | Motor | | DN2 | DN1 | a | h2 | h1 | A | B | F | Y | V | E | H | S | T | kg | A | B | F | Y | V | E | H | S | T | kg | | | | | | | |
| | kW 4 pol. | Frame size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150-500 | 22 | 180L | 150 | 200 | 180 | 500 | 430 | 1670 | 810 | 235 | 170 | 665 | 760 | 120 | 18 | 1566 | 674 | 1850 | 810 | 235 | 190 | 735 | 760 | 120 | 18 | 1742 | 677 | | | | | | | |
| | 30 | 200L | | | | | | 1740 | | | 700 | | | 1624 | 754 | 1920 | | | | 1661 | 817 | 1960 | | | 190 | 770 | | | | | 1800 | 757 | | |
| | 37 | 225S | | | | | | 1780 | | | 720 | | | 1661 | 817 | 1960 | | | | 1661 | 817 | 1960 | | | 190 | 790 | | | | | 1837 | 820 | | |
| | 45 | 225M | | | | | | 1900 | 820 | 240 | 760 | 770 | 140 | 18 | 1784 | 955 | 2080 | | | | 1784 | 955 | 2080 | 820 | 240 | 830 | 770 | 140 | 18 | 1960 | 961 | | | |
| | 55 | 250M | | | | | | 1980 | | | 190 | 800 | | | 1859 | 1136 | 1186 | | | | 1859 | 1136 | 1186 | | | 210 | 865 | | | | 2035 | 1143 | | |
| | 75 | 280S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2035 | 1193 | |
| | 90 | 280M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 110 | 315S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 132 | 315M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 160 | 315L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 200 | 315L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 250 | 315 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200-315 | 22 | 180L | 200 | 250 | 200 | 450 | 385 | 1690 | 720 | 255 | 170 | 675 | 670 | 120 | 18 | 1586 | 659 | 1870 | 720 | 255 | 190 | 745 | 670 | 120 | 20 | 1762 | 662 | | | | | | | |
| | 30 | 200L | | | | | | 1760 | | | 170 | | | 1644 | 712 | 1940 | | | | 1644 | 712 | 1940 | | | 190 | 780 | | | | | 1820 | 715 | | |
| | 37 | 225S | | | | | | 1800 | 730 | 260 | 190 | 710 | 680 | 140 | 18 | 1681 | 777 | 805 | 1980 | 730 | 260 | | | 190 | 800 | 680 | 140 | 20 | 1857 | 780 | | | | |
| | 45 | 225M | | | | | | 1920 | | | | | | | 1804 | 915 | 2100 | | | | 1804 | 915 | 2100 | | | 210 | 840 | | | | 1980 | 921 | | |
| | 55 | 250M | | | | | | 2000 | 740 | 260 | 210 | 790 | 690 | 140 | 18 | 1879 | 1095 | 2170 | 740 | 260 | 210 | 875 | 690 | 140 | 20 | 2055 | 1102 | | | | | | | |
| | 75 | 280S | | | | | | 1670 | 720 | 235 | 170 | 665 | 670 | 120 | 18 | 1566 | 666 | 1850 | 720 | 235 | 190 | 735 | 670 | 120 | 18 | 1742 | 669 | | | | | | | |
| | 90 | 280M | | | | | | 1740 | | | 700 | | | | 1624 | 742 | 1920 | | | | 1624 | 742 | 1920 | | | 190 | 770 | | | | | 1800 | 745 | |
| | 110 | 315S | | | | | | 1780 | 730 | 240 | 170 | 720 | 680 | 140 | 18 | 1661 | 807 | 835 | 1960 | 730 | 240 | | | 190 | 790 | 680 | 140 | 18 | 1837 | 810 | | | | |
| | 132 | 315M | | | | | | 1900 | | | 190 | 760 | | | 1784 | 945 | 2080 | | | | 1784 | 945 | 2080 | | | 210 | 830 | | | | 1960 | 951 | | |
| | 160 | 315L | | | | | | 1980 | 740 | 240 | 190 | 800 | 690 | 140 | 18 | 1859 | 1125 | 1175 | 2150 | 740 | 240 | 210 | 865 | 690 | 140 | 18 | 2035 | 1132 | | | | | | |
| | 200 | 315L | | | | | | 2120 | 820 | 245 | 210 | 850 | | | 1994 | 1400 | 1480 | 2300 | | | 1994 | 1400 | 1480 | 2300 | | | 230 | 920 | | | | 2170 | 1409 | |
| | 250 | 315 | | | | | | 2260 | | | 230 | 900 | | | 2134 | 1635 | 1775 | 2440 | | | 2134 | 1635 | 1775 | 2440 | | | 250 | 970 | | | | 2310 | 1644 | |
| 200-400 | 22 | 180L | 200 | 250 | 180 | 500 | 385 | 1670 | 720 | 235 | 170 | 665 | 670 | 120 | 18 | 1566 | 666 | 1850 | 720 | 235 | 190 | 735 | 670 | 120 | 18 | 1742 | 669 | | | | | | | |
| | 30 | 200L | | | | | | 1740 | | | 700 | | | 1624 | 742 | 1920 | | | | 1624 | 742 | 1920 | | | 190 | 770 | | | | | 1800 | 745 | | |
| | 37 | 225S | | | | | | 1780 | 730 | 240 | 170 | 720 | 680 | 140 | 18 | 1661 | 807 | 835 | 1960 | 730 | 240 | | | 190 | 790 | 680 | 140 | 18 | 1837 | 810 | | | | |
| | 45 | 225M | | | | | | 1900 | | | 190 | 760 | | | 1784 | 945 | 2080 | | | | 1784 | 945 | 2080 | | | 210 | 830 | | | | 1960 | 951 | | |
| | 55 | 250M | | | | | | 1980 | 740 | 240 | 190 | 800 | 690 | 140 | 18 | 1859 | 1125 | 1175 | 2150 | 740 | 240 | 210 | 865 | 690 | 140 | 18 | 2035 | 1132 | | | | | | |
| | 75 | 280S | | | | | | 2000 | 740 | 260 | 210 | 790 | 690 | 140 | 18 | 1879 | 1095 | 2170 | 740 | 260 | 210 | 875 | 690 | 140 | 20 | 2055 | 1102 | | | | | | | |
| | 90 | 280M | | | | | | 1670 | 720 | 235 | 170 | 665 | 670 | 120 | 18 | 1566 | 666 | 1850 | 720 | 235 | 190 | 735 | 670 | 120 | 18 | 1742 | 669 | | | | | | | |
| | 110 | 315S | | | | | | 1740 | | | 700 | | | | 1624 | 742 | 1920 | | | | 1624 | 742 | 1920 | | | 190 | 770 | | | | | 1800 | 745 | |
| | 132 | 315M | | | | | | 1780 | 730 | 240 | 170 | 720 | 680 | 140 | 18 | 1661 | 807 | 835 | 1960 | 730 | 240 | | | 190 | 790 | 680 | 140 | 18 | 1837 | 810 | | | | |
| | 160 | 315L | | | | | | 1900 | | | 190 | 760 | | | 1784 | 945 | 2080 | | | | 1784 | 945 | 2080 | | | 210 | 830 | | | | 1960 | 951 | | |
| | 200 | 315L | | | | | | 1980 | 740 | 240 | 190 | 800 | 690 | 140 | 18 | 1859 | 1125 | 1175 | 2150 | 740 | 240 | 210 | 865 | 690 | 140 | 18 | 2035 | 1132 | | | | | | |
| | 250 | 315 | | | | | | 2120 | 820 | 245 | 210 | 850 | | | 1994 | 1400 | 1480 | 2300 | | | 1994 | 1400 | 1480 | 2300 | | | 230 | 920 | | | | 2170 | 1409 | |
| 200-500 | 45 | 225M | 200 | 250 | 200 | 560 | 455 | 1800 | | | 190 | 710 | | | 1681 | 915 | 1980 | | | 190 | 800 | | | | | 1857 | 920 | | | | | | | |
| | 55 | 250M | | | | | | 1920 | 840 | 260 | 770 | 790 | 140 | 18 | 1804 | 1025 | 2100 | | | 1804 | 1025 | 2100 | 840 | 260 | 840 | 790 | 140 | 18 | 1980 | 1031 | | | | |
| | 75 | 280S | | | | | | 2000 | | | 210 | 790 | | | 1879 | 1205 | 1255 | 2170 | | | 1879 | 1205 | 1255 | 2170 | | | 210 | 875 | | | 2055 | 1212 | | |
| | 90 | 280M | | | | | | 2140 | 850 | 265 | 210 | 860 | | | 2014 | 1465 | 1545 | 2320 | | | 2014 | 1465 | 1545 | 2320 | | | 230 | 930 | | | 2190 | 1474 | | |
| | 110 | 315S | | | | | | 2280 | | | 230 | 910 | | | 2154 | 1700 | 1840 | 2460 | | | 2154 | 1700 | 1840 | 2460 | | | 250 | 980 | | | 2330 | 1554 | | |
| | 132 | 315M | | | | | | 2400 | 870 | 265 | 250 | 950 | 810 | 160 | 20 | 2274 | 1665 | 1865 | 2580 | 870 | 265 | 250 | 1040 | 810 | 160 | 20 | 2450 | 1685 | | | | | | |
| | 160 | 315L | | | | | | 2640 | 980 | 270 | 270 | 1050 | 920 | 180 | 20 | 2499 | 1965 | | 2810 | 980 | 270 | 290 | 1115 | 920 | 180 | 20 | 2675 | 1885 | | | | | | |
| | 200 | 315L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 250 | 315 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 315 | 315 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 355 | 355 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Components | | | Common | | | | | Standard coupling | | | | | | | | | | Coupling with spacer | | | | | | | | | | | | | | | | | | | | | |
|------------|--------------|------------|--------|------|--------------|------|------|-------------------|--------------|--------------|--------------|------|------|-----|-----|--------------|--------------|----------------------|------|------|--------------|------|-----|-----|----|--------------|--------------|--------------|--------------|------|-----|------|------|------|------|-----|------|--------------|--------------|
| Pump | Motor | | DN2 | DN1 | a | h2 | h1 | A | B | F | Y | V | E | H | S | T | kg | A | B | F | Y | V | E | H | S | T | kg | | | | | | | | | | | | |
| | kW 4 pol. | Frame size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 250-300 | 37 | 225S | 250 | 300 | 305 | 550 | 455 | 1890 | 880 | 365 | 190 | 755 | 830 | 140 | 18 | 1771 | 894 922 | 2070 | 880 | 365 | 210 | 825 | 830 | 140 | 18 | 1947 | 898 | | | | | | | | | | | | |
| | 45 | 225M | | | | | | 2010 | | | 795 | 1894 | | | | 1037 | 2190 | 885 | | | | 2070 | | | | 1044 | | | | | | | | | | | | | |
| | 55 | 250M | | | | | | 2090 | | | 835 | 1969 | | | | 1217 | 2260 | 900 | | | | 2145 | | | | 1225 | | | | | | | | | | | | | |
| | 75 | 280S | | | | | | 1810 | | | 715 | 1694 | | | | 842 | 1990 | 190 | | | | 1870 | | | | 846 | | | | | | | | | | | | | |
| 250-315 | 37 | 225S | 250 | 300 | 250 | 560 | 405 | 1850 | 800 | 310 | 190 | 735 | 750 | 140 | 18 | 1731 | 902 930 | 2030 | 800 | 310 | 210 | 805 | 750 | 140 | 18 | 1907 | 906 | | | | | | | | | | | | |
| | 45 | 225M | | | | | | 1970 | | | 795 | 1854 | | | | 1045 | 2150 | 865 | | | | 2030 | | | | 1052 | | | | | | | | | | | | | |
| | 55 | 250M | | | | | | 2050 | | | 815 | 1929 | | | | 1225 | 2220 | 880 | | | | 2105 | | | | 1283 | | | | | | | | | | | | | |
| | 75 | 280S | | | | | | 2190 | | | 820 | 315 | | | | 210 | 885 | 760 | | | | 160 | | | | 20 | 2064 | 1485 1565 | 2370 | 820 | 315 | 230 | 955 | 760 | 160 | 20 | 2240 | 1496 1576 | |
| | 90 | 280M | | | | | | 1900 | | | 800 | 310 | | | | 190 | 760 | 830 | | | | 140 | | | | 18 | 1781 | 958 985 | 2080 | 210 | 830 | 1957 | 962 | | | | | | |
| | 110 | 315S | | | | | | 2020 | | | 880 | 310 | | | | 200 | 800 | 830 | | | | 140 | | | | 18 | 1904 | 1095 | 2200 | 870 | 830 | 140 | 18 | 2080 | 1103 | | | | |
| | 132 | 315M | | | | | | 2100 | | | 210 | 840 | | | | 1979 | 1275 | 2270 | | | | 230 | | | | 905 | 2155 | 1284 | 1334 | | | | | | | | | | |
| | 160 | 315L | | | | | | 2240 | | | 230 | 890 | | | | 2114 | 1540 | 2420 | | | | 250 | | | | 960 | 2290 | 1552 | 1632 | | | | | | | | | | |
| 250-400 | 160 | 315L | 250 | 300 | 250 | 600 | 430 | 2380 | 890 | 315 | 230 | 960 | 830 | 160 | 20 | 2254 | 1775 1915 | 2560 | 890 | 315 | 250 | 1030 | 830 | 160 | 20 | 2430 | 1787 1927 | | | | | | | | | | | | |
| | 200 | 315L | | | | | | 2500 | | | 250 | 1000 | | | | 2374 | 2135 | 2680 | | | | 270 | | | | 1070 | 2550 | 1758 | | | | | | | | | | | |
| | 250 | 315 | | | | | | 2740 | | | 980 | 320 | | | | 270 | 1100 | 920 | | | | 180 | | | | 20 | 2599 | 2040 | 2910 | 980 | 320 | 290 | 1165 | 920 | 180 | 20 | 2775 | 2063 | |
| | 315 | 315 | | | | | | 2100 | | | 930 | 310 | | | | 210 | 840 | 880 | | | | 140 | | | | 18 | 1979 | 1407 1456 | 2270 | 930 | 310 | 230 | 905 | 880 | 140 | 18 | 2155 | 1431 1480 | |
| | 355 | 355 | | | | | | 2240 | | | 230 | 890 | | | | 2114 | 1671 1755 | 2420 | | | | 250 | | | | 960 | 2290 | 1703 | 1780 | | | | | | | | | | |
| | 400 | 355 | | | | | | 2380 | | | 940 | 315 | | | | 2380 | 940 | 315 | | | | 880 | | | | 160 | 20 | 2254 | 1910 2050 | 2560 | 940 | 315 | 250 | 1030 | 880 | 160 | 20 | 2430 | 1933 2068 |
| | 450 | 355 | | | | | | 2500 | | | 250 | 1000 | | | | 2374 | 1860 | 2680 | | | | 270 | | | | 1070 | 2550 | 1903 | 2197 | | | | | | | | | | |
| | 500 | 355 | | | | | | 2740 | | | 980 | 320 | | | | 270 | 1100 | 920 | | | | 180 | | | | 20 | 2599 | 2165 2205 | 2910 | 980 | 320 | 290 | 1165 | 920 | 180 | 20 | 2775 | 2202 2242 | |
| | 550 | 355 | | | | | | 2100 | | | 930 | 310 | | | | 210 | 840 | 880 | | | | 140 | | | | 18 | 1979 | 1407 1456 | 2270 | 930 | 310 | 230 | 905 | 880 | 140 | 18 | 2155 | 1431 1480 | |
| | 600 | 355 | | | | | | 2240 | | | 230 | 890 | | | | 2114 | 1671 1755 | 2420 | | | | 250 | | | | 960 | 2290 | 1703 | 1780 | | | | | | | | | | |
| 300-400 | 45 | 225M | 300 | 350 | 300 | 670 | 455 | 1950 | 940 | 360 | 190 | 785 | 890 | 140 | 18 | 1831 | 1150 1230 | 2130 | 940 | 360 | 230 | 855 | 890 | 140 | 18 | 2007 | 1143 | | | | | | | | | | | | |
| | 55 | 250M | | | | | | 2070 | | | 825 | 1954 | | | | 1260 | 2250 | 895 | | | | 2130 | | | | 1243 | | | | | | | | | | | | | |
| | 75 | 280S | | | | | | 2150 | | | 865 | 2029 | | | | 1442 | 2320 | 930 | | | | 2205 | | | | 1466 | | | | | | | | | | | | | |
| | 90 | 280M | | | | | | 2290 | | | 915 | 2164 | | | | 1701 1785 | 2470 | 985 | | | | 2340 | | | | 1733 1810 | | | | | | | | | | | | | |
| | 110 | 315S | | | | | | 2430 | | | 950 | 365 | | | | 2304 | 1945 2085 | 2610 | | | | 950 | | | | 365 | 2480 | 1968 2103 | | | | | | | | | | | |
| | 132 | 315M | | | | | | 2550 | | | 1025 | 2424 | | | | 1892 1976 | 2730 | 1095 | | | | 2600 | | | | 1949 | | | | | | | | | | | | | |
| | 160 | 315L | | | | | | 2790 | | | 980 | 370 | | | | 270 | 1125 | 920 | | | | 180 | | | | 20 | 2649 | 2196 2240 | 2960 | 980 | 370 | 290 | 1190 | 920 | 180 | 20 | 2825 | 2253 2290 | |
| | 200 | 315L | | | | | | 1950 | | | 940 | 360 | | | | 190 | 785 | 890 | | | | 140 | | | | 18 | 1831 | 1150 1230 | 2130 | 940 | 360 | 210 | 855 | 890 | 140 | 18 | 2007 | 1143 | |
| | 250 | 315 | | | | | | 2070 | | | 825 | 1954 | | | | 1260 | 2250 | 895 | | | | 2130 | | | | 1243 | | | | | | | | | | | | | |
| | 315 | 315 | | | | | | 2150 | | | 865 | 2029 | | | | 1442 | 2320 | 930 | | | | 2205 | | | | 1466 | | | | | | | | | | | | | |
| 300-500 | 355 | 355 | 300 | 350 | 300 | 670 | 510 | 2290 | 1030 | 365 | 230 | 915 | 970 | 160 | 20 | 2164 | 1925 2007 | 2470 | 1030 | 365 | 270 | 985 | 970 | 160 | 20 | 2340 | 1925 2007 | | | | | | | | | | | | |
| | 400 | 355 | | | | | | 2430 | | | 965 | 2304 | | | | 2170 2313 | 2610 | 1030 | | | | 365 | | | | 2480 | 2170 2313 | | | | | | | | | | | | |
| | 450 | 355 | | | | | | 2550 | | | 1025 | 2424 | | | | 2725 2939 | 2730 | 1095 | | | | 2600 | | | | 2720 2938 | | | | | | | | | | | | | |
| | 500 | 355 | | | | | | 2790 | | | 1040 | 370 | | | | 270 | 1125 | 980 | | | | 180 | | | | 20 | 2649 | 3372 3474 | 2960 | 1040 | 370 | 290 | 1190 | 980 | 180 | 20 | 2825 | 3372 3474 | |
| | 550 | 355 | | | | | | 1950 | | | 940 | 360 | | | | 190 | 785 | 890 | | | | 140 | | | | 18 | 1831 | 1150 1230 | 2130 | 940 | 360 | 210 | 855 | 890 | 140 | 18 | 2007 | 1143 | |
| | 600 | 355 | | | | | | 2070 | | | 825 | 1954 | | | | 1260 | 2250 | 895 | | | | 2130 | | | | 1243 | | | | | | | | | | | | | |
| | 630 | 400 | | | | | | 2150 | | | 865 | 2029 | | | | 1442 | 2320 | 930 | | | | 2205 | | | | 1466 | | | | | | | | | | | | | |
| | 710 | 400 | | | | | | 2290 | | | 915 | 2164 | | | | 1701 1785 | 2470 | 985 | | | | 2340 | | | | 1733 1810 | | | | | | | | | | | | | |
| | 750 | 400 | | | | | | 2430 | | | 965 | 2304 | | | | 2170 2313 | 2610 | 1030 | | | | 365 | | | | 2480 | 2170 2313 | | | | | | | | | | | | |
| | 800 | 400 | | | | | | 2550 | | | 1025 | 2424 | | | | 2725 2939 | 2730 | 1095 | | | | 2600 | | | | 2720 2938 | | | | | | | | | | | | | |
| | 850 | 400 | | | | | | 2790 | | | 1040 | 370 | | | | 270 | 1125 | 980 | | | | 180 | | | | 20 | 2649 | 3372 3474 | 2960 | 1040 | 370 | 290 | 1190 | 980 | 180 | 20 | 2825 | 3372 3474 | |
| | 900 | 400 | | | | | | 1950 | | | 940 | 360 | | | | 190 | 785 | 890 | | | | 140 | | | | 18 | 1831 | 1150 1230 | 2130 | 940 | 360 | 210 | 855 | 890 | 140 | 18 | 2007 | 1143 | |
| | 950 | 400 | | | | | | 2070 | | | 825 | 1954 | | | | 1260 | 2250 | 895 | | | | 2130 | | | | 1243 | | | | | | | | | | | | | |
| | 1000 | 400 | | | | | | 2150 | | | 865 | 2029 | | | | 1442 | 2320 | 930 | | | | 2205 | | | | 1466 | | | | | | | | | | | | | |
| 1050 | 400 | 2290 | 915 | 2164 | 1701 1785 | 2470 | 985 | 2340 | 1733 1810 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1100 | 400 | 2430 | 965 | 2304 | 2170 2313 | 2610 | 1030 | 365 | 2480 | 2170 2313 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1150 | 400 | 2550 | 1025 | 2424 | 2725 2939 | 2730 | 1095 | 2600 | 2720 2938 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1200 | 400 | 2790 | 1040 | 370 | 270 | 1125 | 980 | 180 | 20 | 2649 | 3372 3474 | 2960 | 1040 | 370 | 290 | 1190 | 980 | 180 | 20 | 2825 | 3372 3474 | | | | | | | | | | | | | | | | | | |
| 1250 | 400 | 1950 | 940 | 360 | 190 | 785 | 890 | 140 | 18 | 1831 | 1150 1230 | 2130 | 940 | 360 | 210 | 855 | 890 | 140 | 18 | 2007 | 1143 | | | | | | | | | | | | | | | | | | |
| 1300 | 400 | 2070 | 825 | 1954 | 1260 | 2250 | 895 | 2130 | 1243 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1350 | 400 | 2150 | 865 | 2029 | 1442 | 2320 | 930 | 2205 | 1466 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1400 | 400 | 2290 | 915 | 2164 | 1701 1785 | 2470 | 985 | 2340 | 1733 1810 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1450 | 400 | 2430 | 965 | 2304 | 2170 2313 | 2610 | 1030 | 365 | 2480 | 2170 2313 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1500 | 400 | 2550 | 1025 | 2424 | 2725 2939 | 2730 | 1095 | 2600 | 2720 2938 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1550 | 400 | 2790 | 1040 | 370 | 270 | 1125 | 980 | 180 | 20 | 2649 | 3372 3474 | 2960 | 1040 | 370 | 290 | 1190 | 980 | 180 | 20 | 2825 | 3372 3474 | | | | | | | | | | | | | | | | | | |
| 1600 | 400 | 1950 | 940 | 360 | 190 | 785 | 890 | 140 | 18 | 1831 | 1150 1230 | 2130 | 940 | 360 | 210 | 855 | 890 | 140 | 18 | 2007 | 1143 | | | | | | | | | | | | | | | | | | |
| 1650 | 400 | 2070 | 825 | 1954 | 1260 | 2250 | 895 | 2130 | 1243 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1700 | 400 | 2150 | 865 | 2029 | 1442 | 2320 | 930 | 2205 | 1466 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1750 | 400 | 2290 | 915 | 2164 | 1701 1785 | 2470 | 985 | 2340 | 1733 1810 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1800 | 400 | 2430 | 965 | 2304 | 2170 2313 | 2610 | 1030 | 365 | 2480 | 2170 2313 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1850 | 400 | 2550 | 1025 | 2424 | 2725 2939 | 2730 | 1095 | 2600 | 2720 2938 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1900 | 400 | 2790 | 1040 | 370 | 270 | 1125 | 980 | 180 | 20 | 2649 | 3372 3474 | 2960 | 1040 | 370 | 290 | 1190 | 980 | 180 | 20 | 2825 | 3372 3474 | | | | | | | | | | | | | | | | | | |
| 1950 | 400 | 1950 | 940 | 360 | 190 | 785 | 890 | 140 | 18 | 1831 | 1150 1230 | 2130 | 940 | 360 | 210 | 855 | 890 | 140 | 18 | 2007 | 1143 | | | | | | | | | | | | | | | | | | |
| 2000 | 400 | 2070 | 825 | 1954 | 1260 | 2250 | 895 | 2130 | 1243 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2050 | 400 | 2150 | 865 | 2029 | 1442 | 2320 | 930 | 2205 | 1466 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2100 | 400 | 2290 | 915 | 2164 | 1701 1785 | 2470 | 985 | 2340 | 1733 1810 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2150 | 400 | 2430 | 965 | 2304 | 2170 2313 | 2610 | 1030 | 365 | 2480 | 2170 2313 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200 | 400 | 2550 | 1025 | 2424 | 2725 2939 | 2730 | 1095 | 2600 | 2720 2938 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2250 | 400 | 2790 | 1040 | 370 | 270 | 1125 | 980 | 180 | 20 | 2649 | 3372 3474 | 2960 | 1040 | 370 | 290 | 1190 | 980 | 180 | 20 | 2825 | 3372 3474 | | | | | | | | | | | | | | | | | | |
| 2300 | 400 | 1950 | 940 | 360 | 190 | 785 | 890 | 140 | 18 | 1831 | 1150 1230 | 2130 | 940 | 360 | 210 | 855 | 890 | 140 | 18 | 2007 | 1143 | | | | | | | | | | | | | | | | | | |
| 2350 | 400 | 2070 | 825 | 1954 | 1260 | 2250 | 895 | 2130 | 1243 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SOUND LEVEL DB(A)

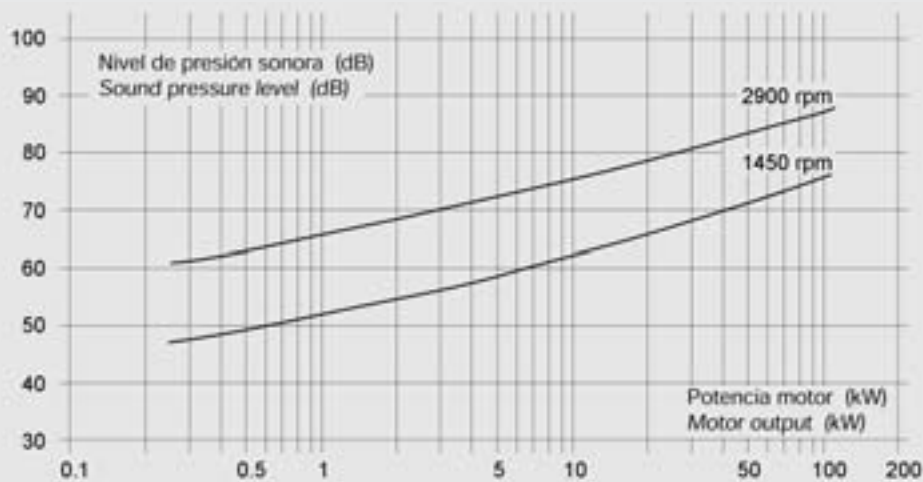
The graphic shows the values of sound levels corresponding to the equipment composed by pump + motor.

These values were measured according to UNE-EN ISO 3746 "Acoustics. Determination of sound levels of noise sources using sound pressure", using measuring points located on parallel planes of the ones delimitating the equipment in a distance of 1 meter, operating with water and the motors in full power.

The shown values should be used as reference since the real values measured in the installation may vary due to resonance effects of the building and the pipes. It is recomendable the use of dampeners to avoid noise transmission through the installation.

In the case of equipment operating at 60Hz electric supply, the values obtained from the graphic will be corrected as follows:

- 2 poles motors (3500 r.p.m.): + 3 dB
- 4 poles motors (1750 r.p.m.): + 1 dB



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