

ES

**End Suction Pump
Product Catalogue.**



South Africa.

Important Information :

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South Africa.

Overview

Introduction

ES(S), ESD Series single-stage horizontal centrifugal pump completed the liquid transportation by the centrifugal force generated by the impeller of the rotary pump. It's pump body and motor are composed of a main shaft, impeller, pump case and mechanical seal. The ES(S), ESD series can work under high temperature and pressure. They are mainly used for heating, cooling tower, air-conditioning system and can be used as booster pump in water supply system. The pull-back structure of axial inlet and radial outlet ensures a more compact pump structure and pipeline.

Pump Structure Design

Pull-back design with separated motor and pump body. The pump cover bracket acts as a connection between the motor and the pump body and dimensions accord to DIN 24255 and STD BS EN733. The flange size meets the requirements of PN16 in GB/T17241.6 or ISO7005-2/DIN2501

Liquid Temperature

Normal temperature pump: 15°C to 70°C
Hot temperature pump: -15°C to 105°C

Ambient Temperature

If the ambient temperature exceeds the 40°C or the pump is installed at an altitude exceeding 1000 m, the motor output power P2 will decrease. In such cases, it is necessary to use a motor with a higher rated output.

Motor

Totally enclosed, fan-cooled, 2-pole & 4-pole standard motors.

Enclosure class: IP55

Insulation class: F

Voltage: 3x220-240/380-415V
1x220-240V

Available with single-phase motors (0.37kW-2.2kW)

Pump Operating Conditions

Pumping liquids which are thin, clean, non-flammable, non-combustible or non-explosive with no solid particles or fibres.

Max. ambient temperature: +40°C

Max. altitude above sea level: 1000m

Performance Curves

The motors used for the measurements are based on 2900 rpm or 1450 rpm.

Tolerances to ISO 9906

Measurements have been made with airless water at a temperature of 20°C

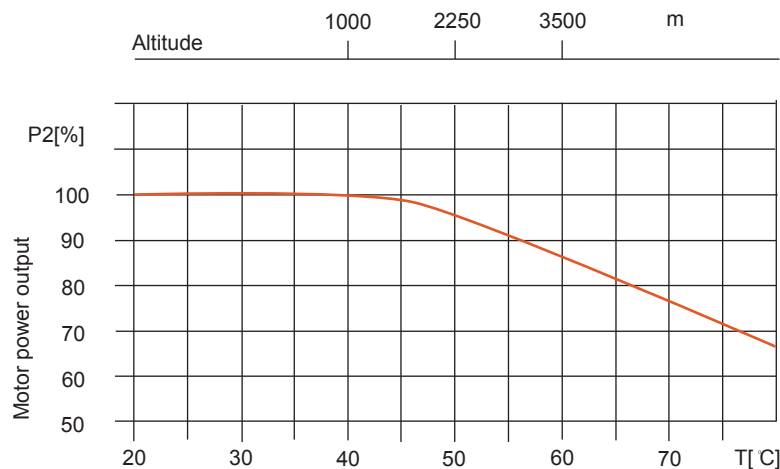
Curves apply to kinematic viscosity of 1mm²/s

Select a best efficiency of the pump which is operating within the bold curve of the pump performance.

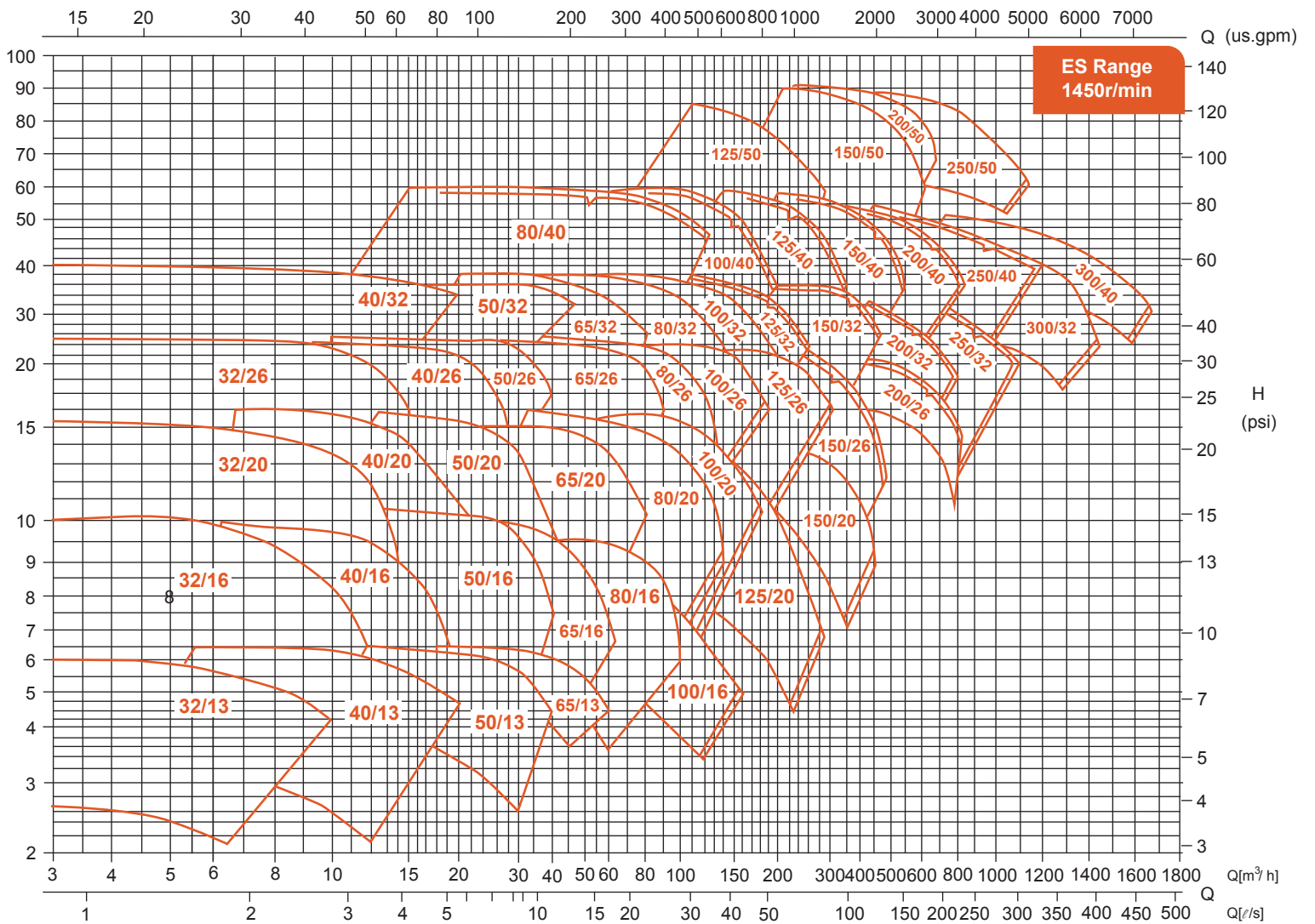
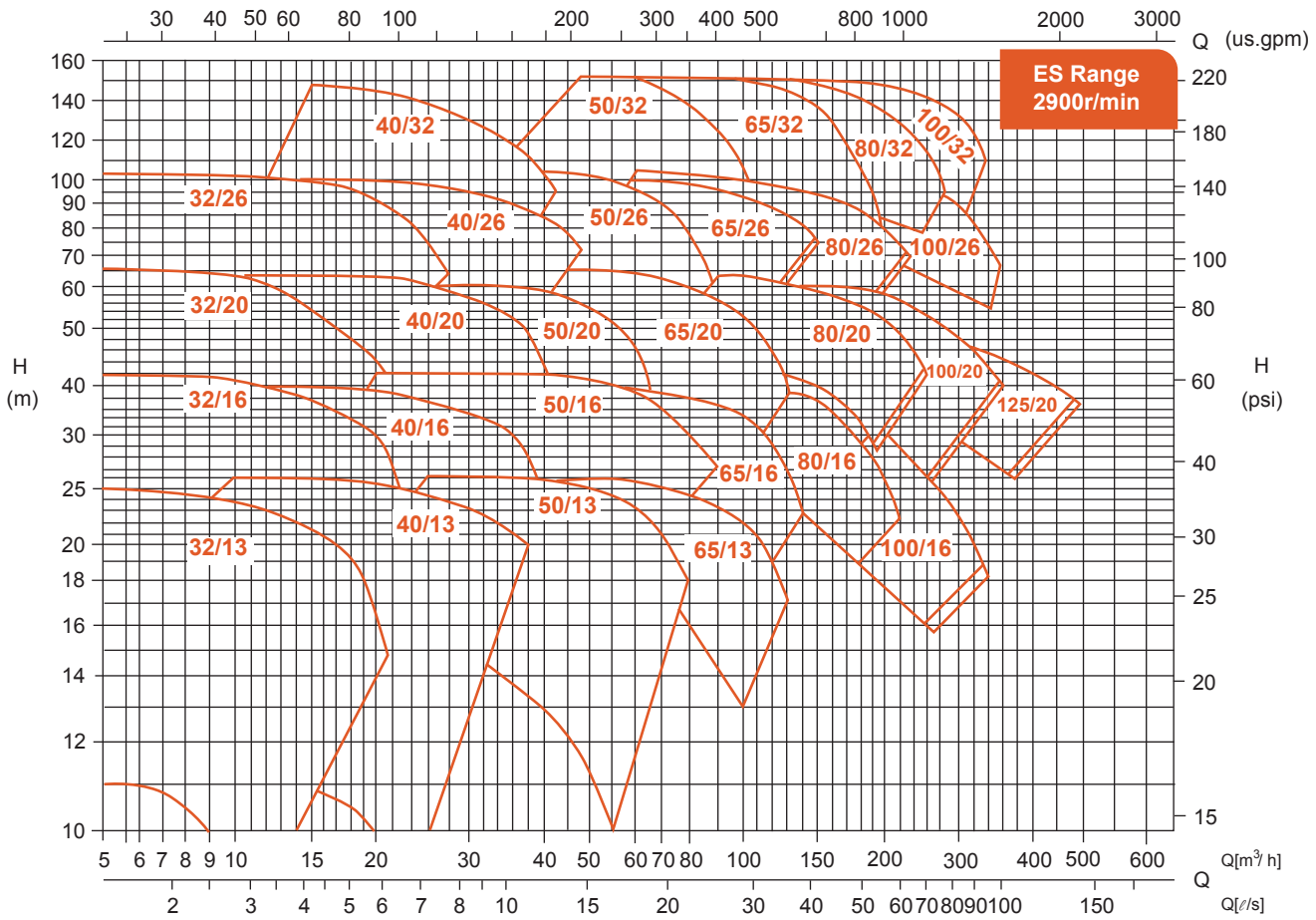
Maximum Working Pressure

Normal pressure type: PN 16 bar

High pressure type: PN 25 bar

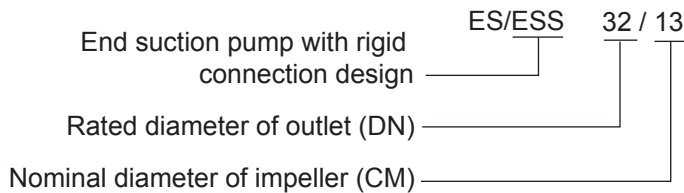


Performance Range

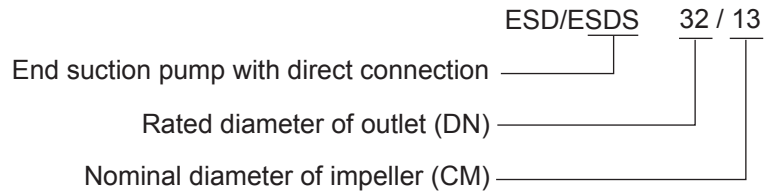


Pump Labelling

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Applications

Water Supply

- Water Filtering
- Supercharging
- Pressurization of Hotels
- Industrial Pressurization

Industrial Liquid Transport

- Cooling Air Conditioning System
- Boiler Feed Water
- Condensing System and Cooling Towers
- Machine Tool Cooling Lubrication System

Irrigation

- Regional Irrigation
- Sprinkler Irrigation
- Drip Irrigation
- Greenhouse Irrigation

Industrial Boosting

- Cleaning System
- High Pressure Flushing Systems
- Firefighting Systems
- Car Cleaning Equipment

Water Treatment

- Ultrafiltration System
- Reverse Osmosis System
- Distillation System
- Separator
- Swimming Pool



Minimum Inlet Pressure, NPSH

Cavitation may occur if the following conditions exist during the operation of the water pump:

- The water tank or pool is lower than the pump inlet
- Actual flow is significantly greater than the rated flow

To avoid cavitation, make sure there is a minimum pressure on the inlet side of the pump. The maximum suction range H (m) can be calculated as follows:

P_b = Atmospheric pressure (atmospheric pressure can be set to bar)

H_T = Net positive suction head (can be read from the maximum possible flow rate on the NPSH curve).

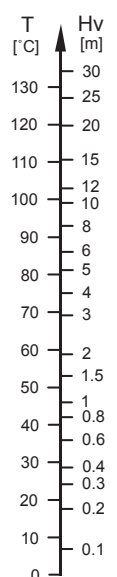
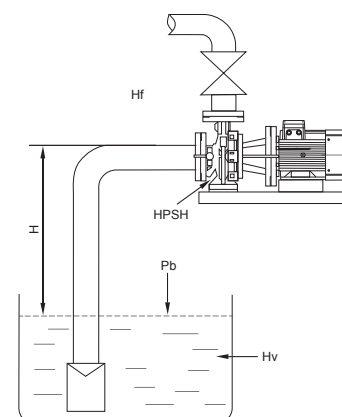
H_I = Pipeline loss at inlet

H_v = Vaporization pressure

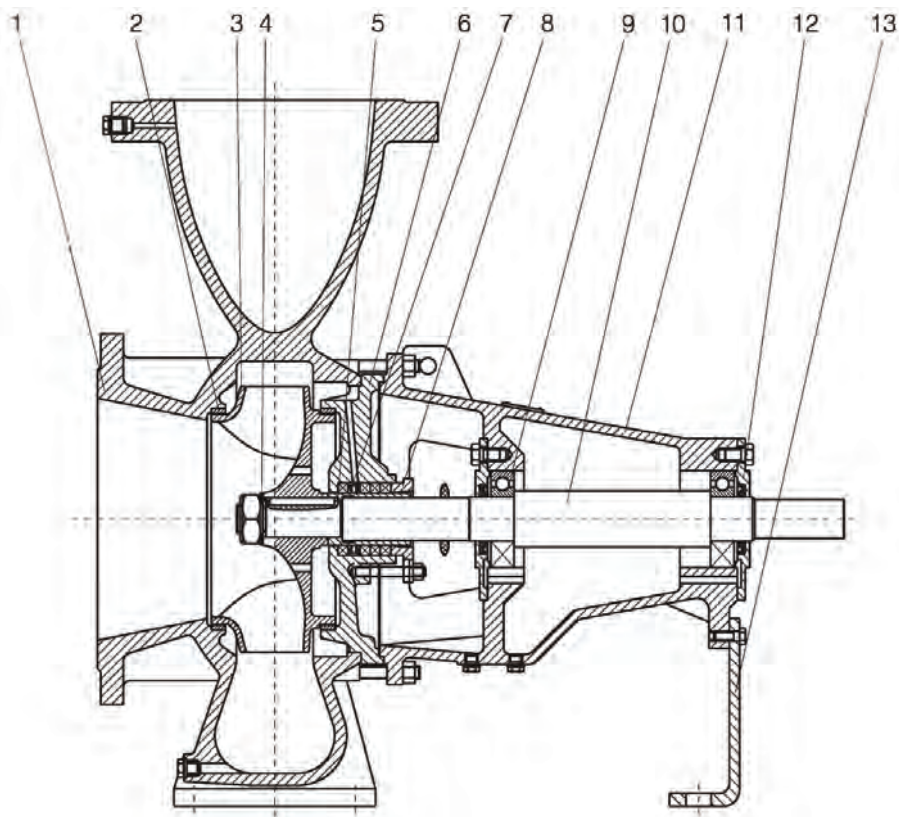
H_S = Safety margin, minimum 0.5m head

If the calculated value of H is positive, the pump can be operated at the maximum suction range H .

If the calculated value of H is negative, there must be a head with a minimum inlet pressure H .

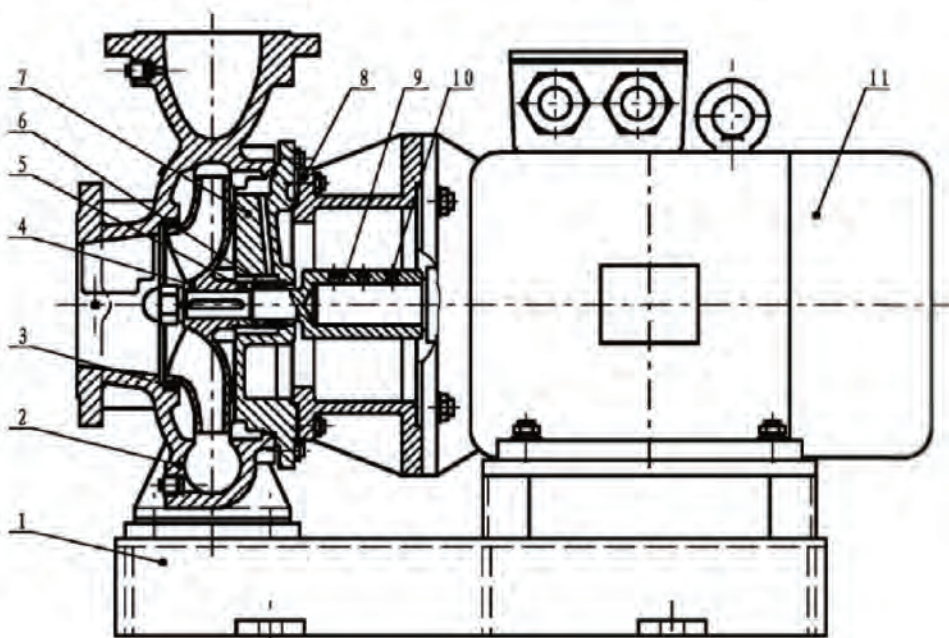


Structure ES



- 1 Pump Casing
- 2 O Ring
- 3 Impeller
- 4 Impeller Nut
- 5 Sleeve
- 6 Pump Cover
- 7 Mechanical Seal
- 8 Mechanical Seal Cover
- 9 Bearing
- 10 Shaft
- 11 Suspension
- 12 Bearing Cover
- 13 Suspension Bracket

Structure ESD

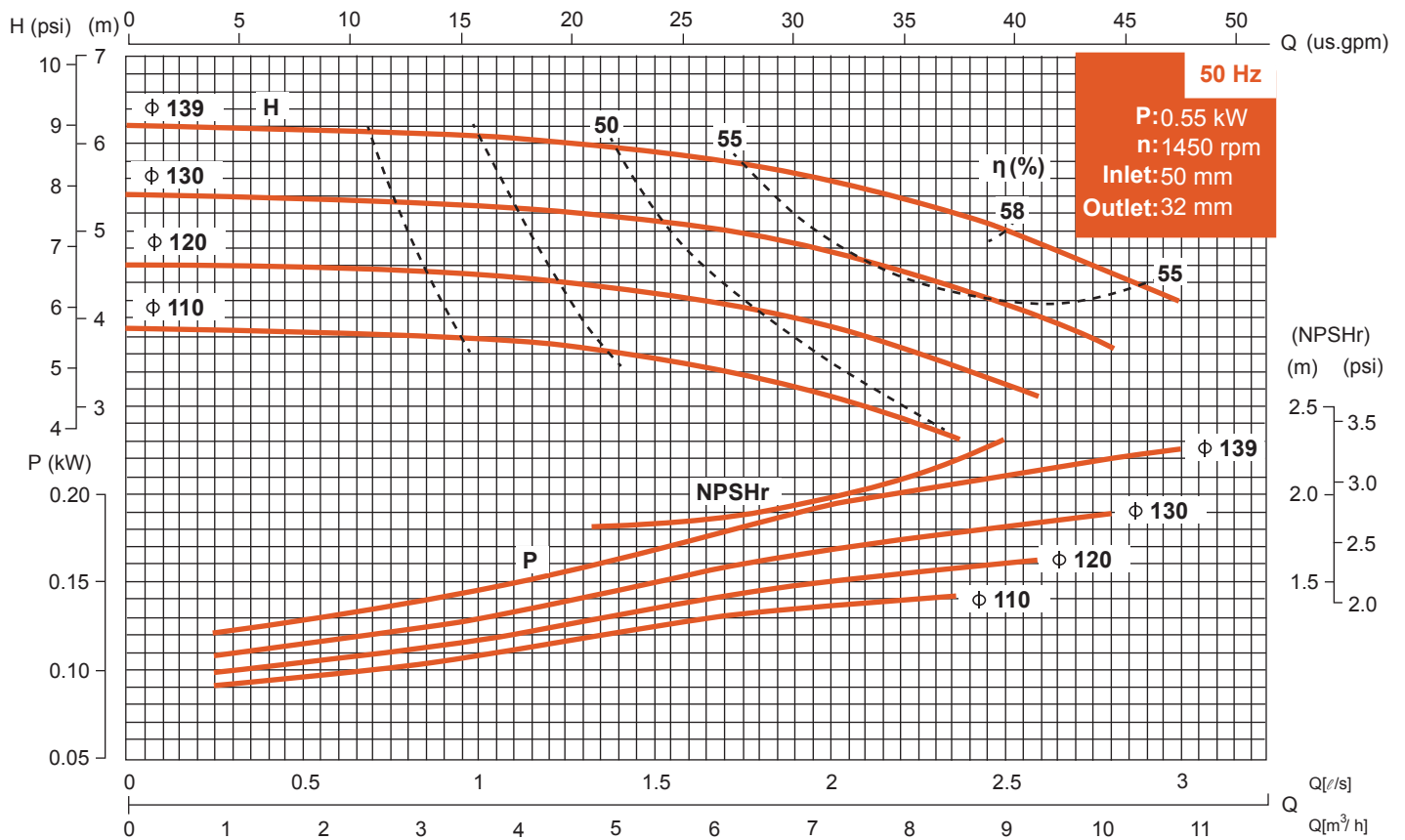
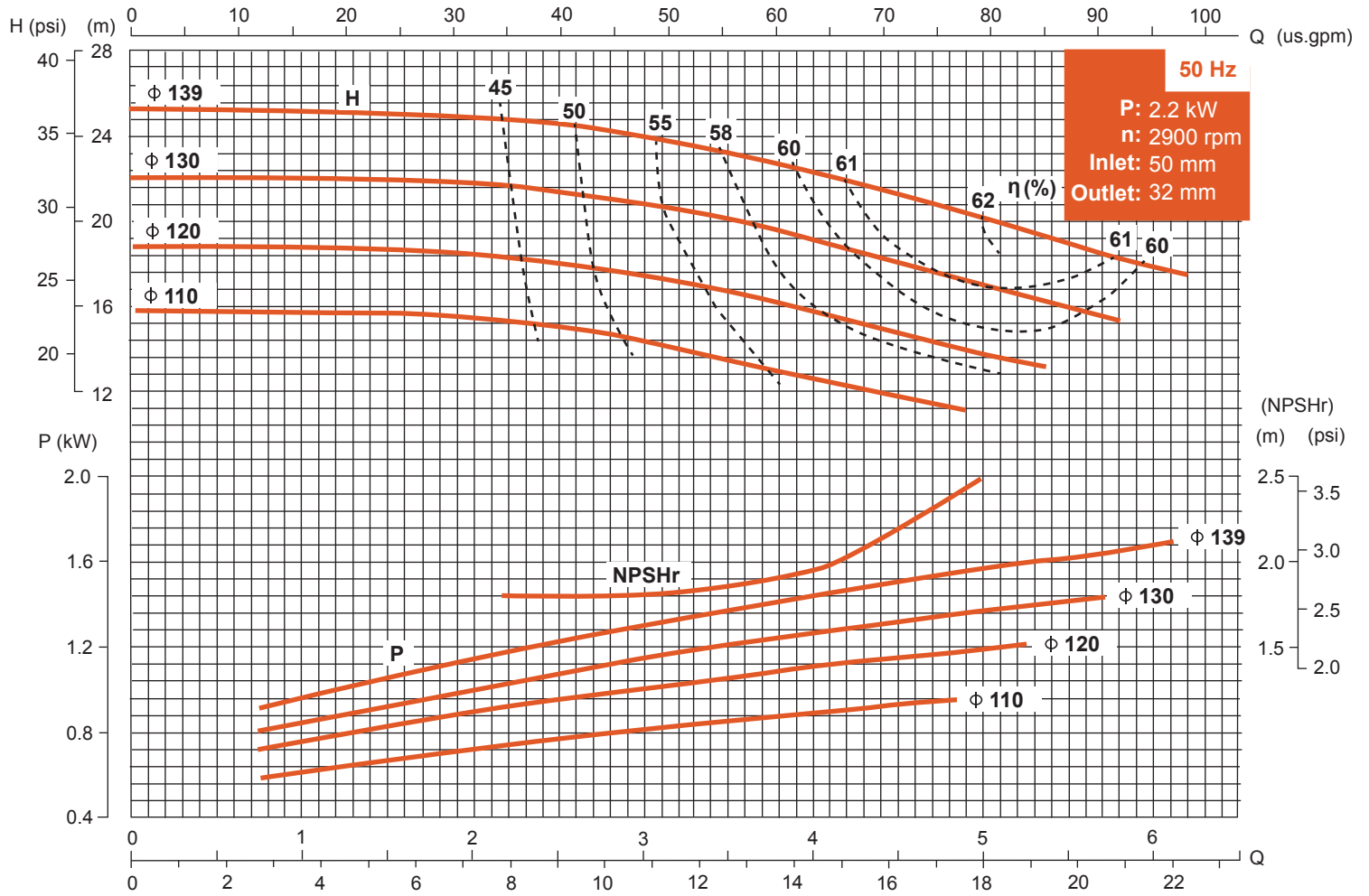


- 1 Base
- 2 Casing
- 3 Wear Ring
- 4 Impeller
- 5 Mechanical Seal Locking Collar
- 6 Mechanical Seal
- 7 Casing Cover
- 8 Motor Bracket
- 9 Shaft
- 10 Shaft Set Screw
- 11 Motor

ES/ESD

END SUCTION PUMP

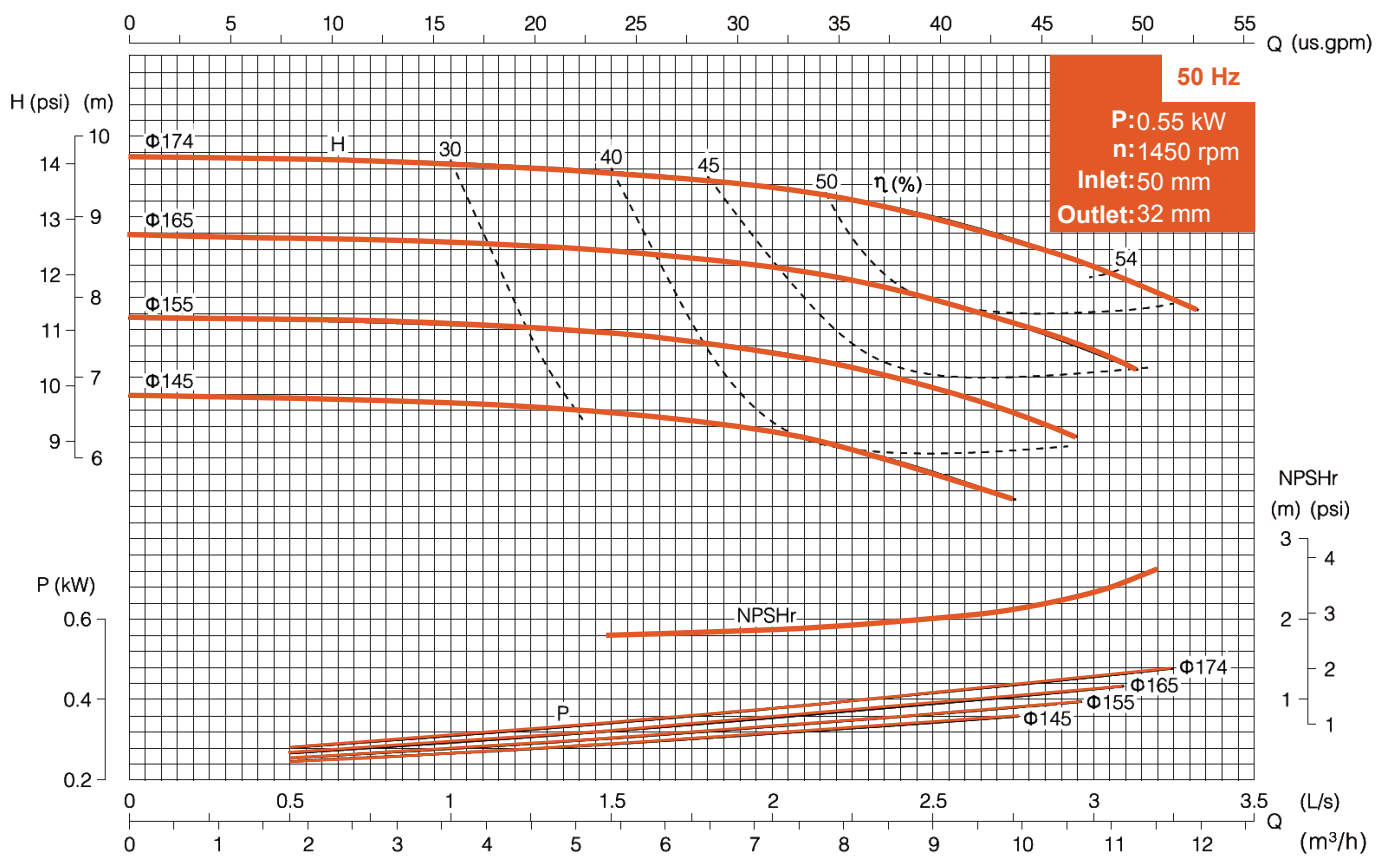
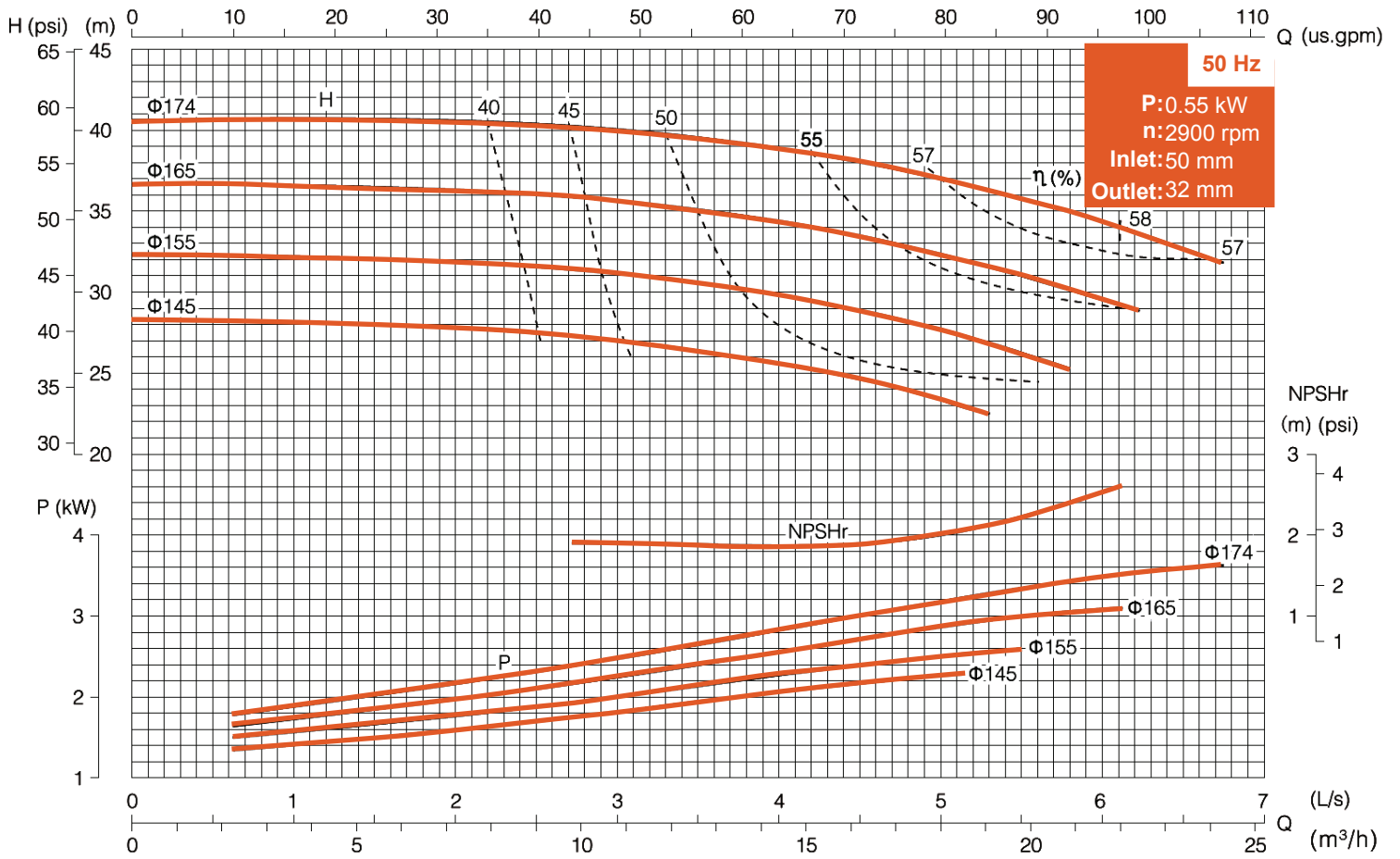
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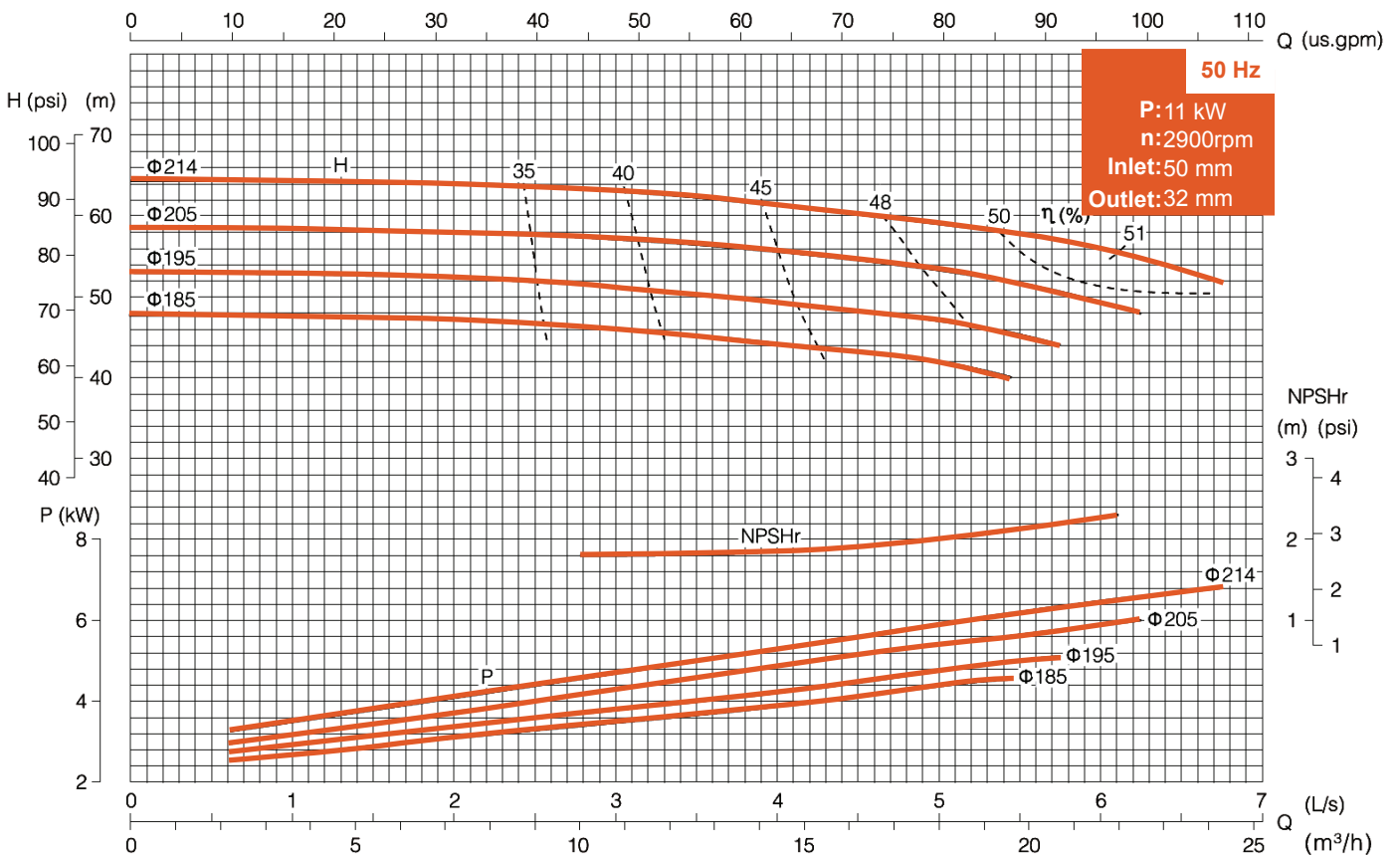
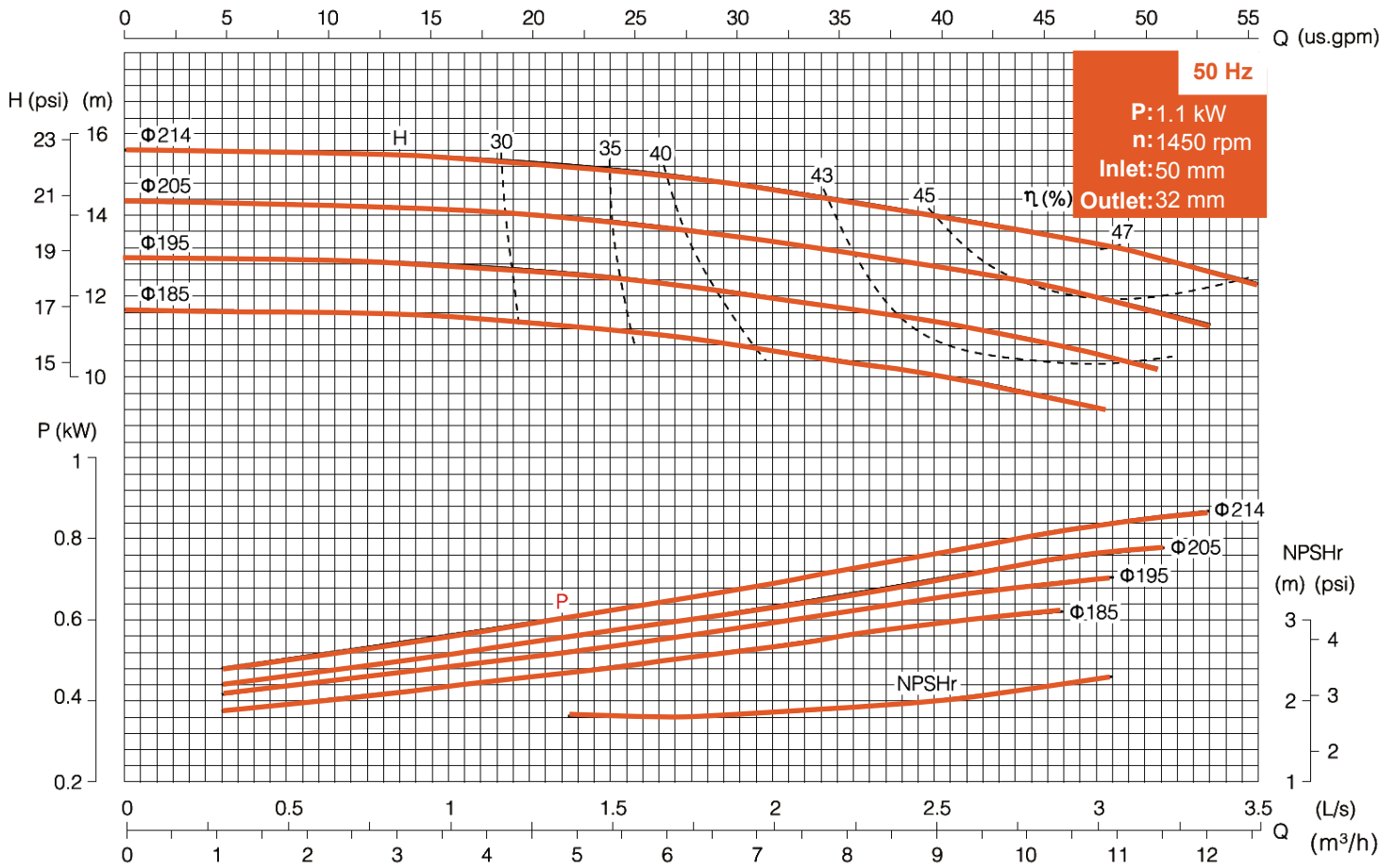
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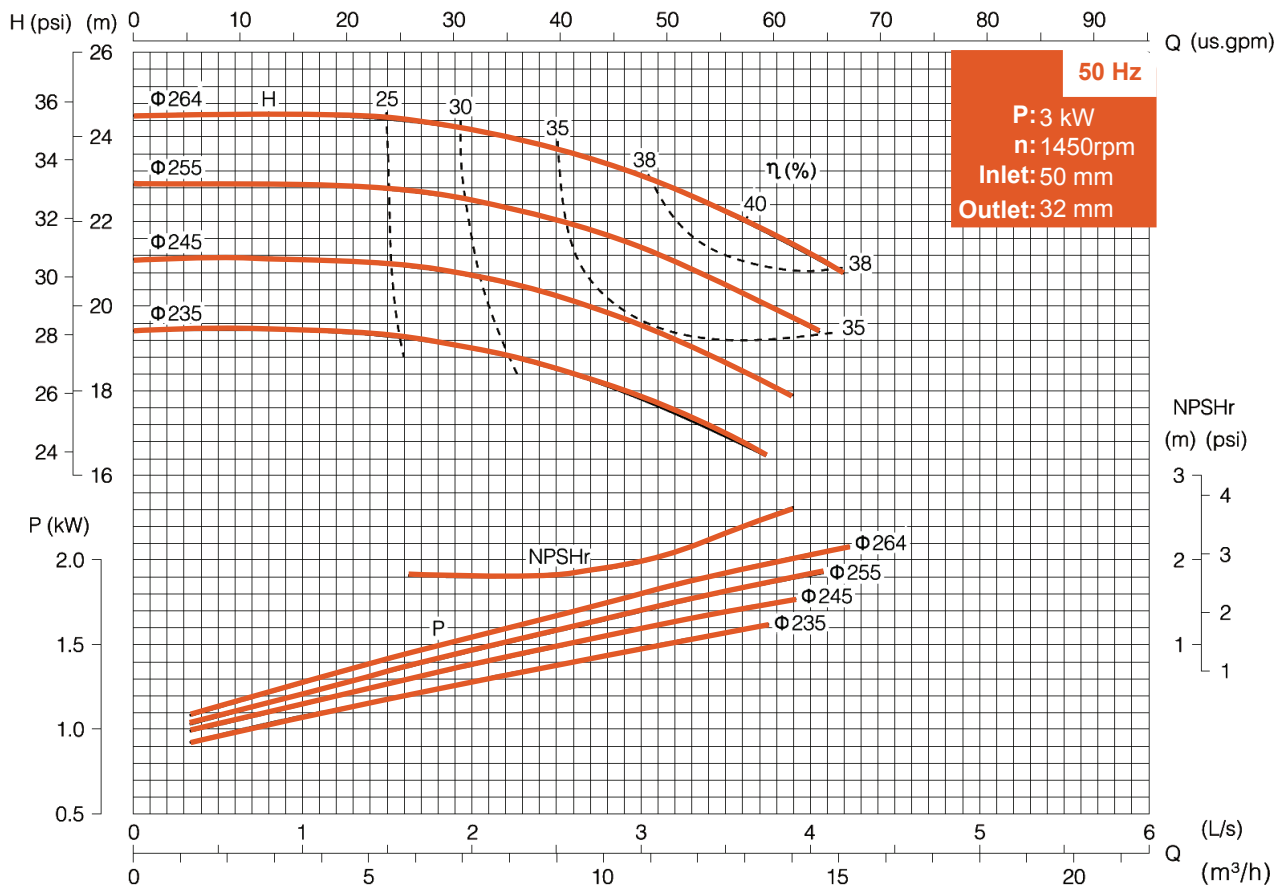
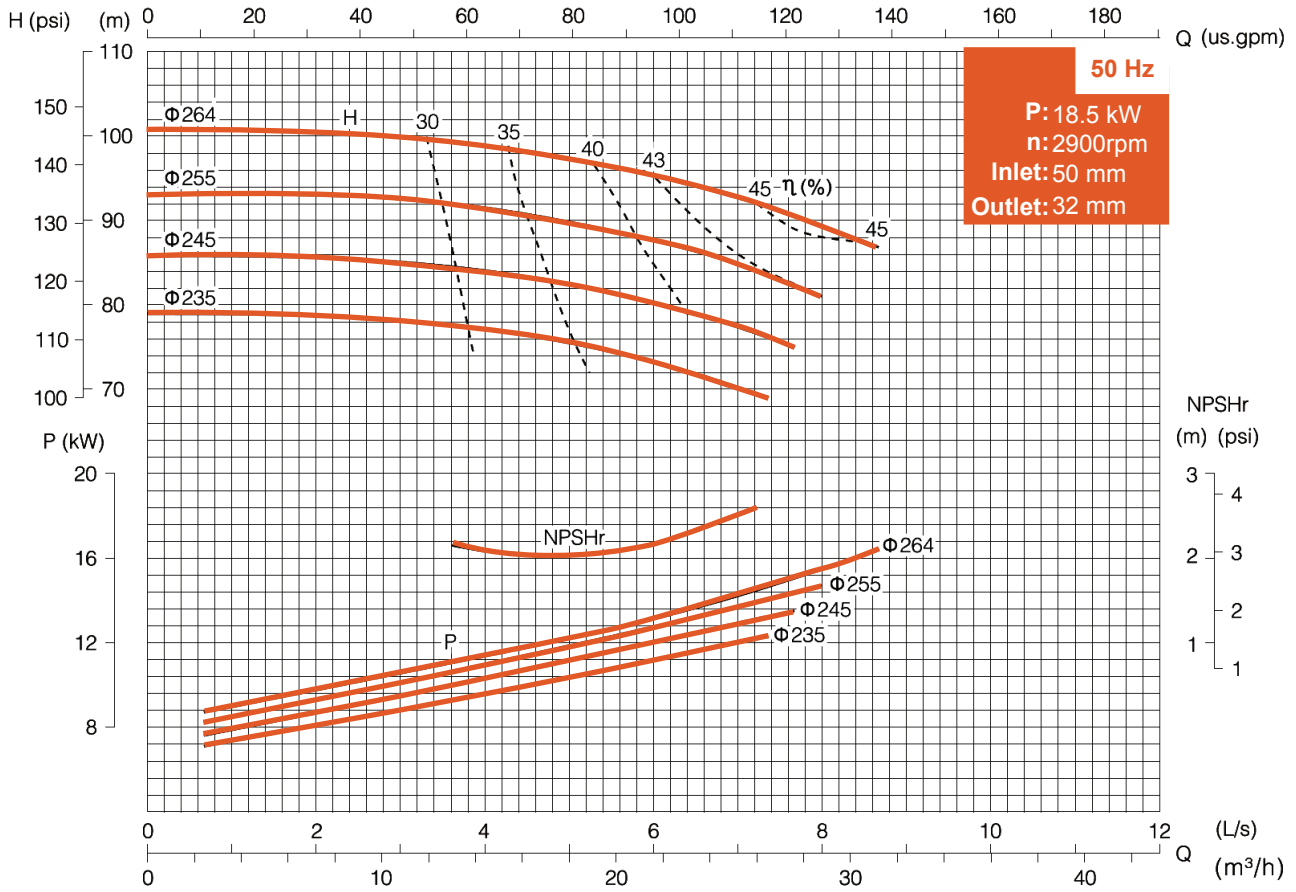
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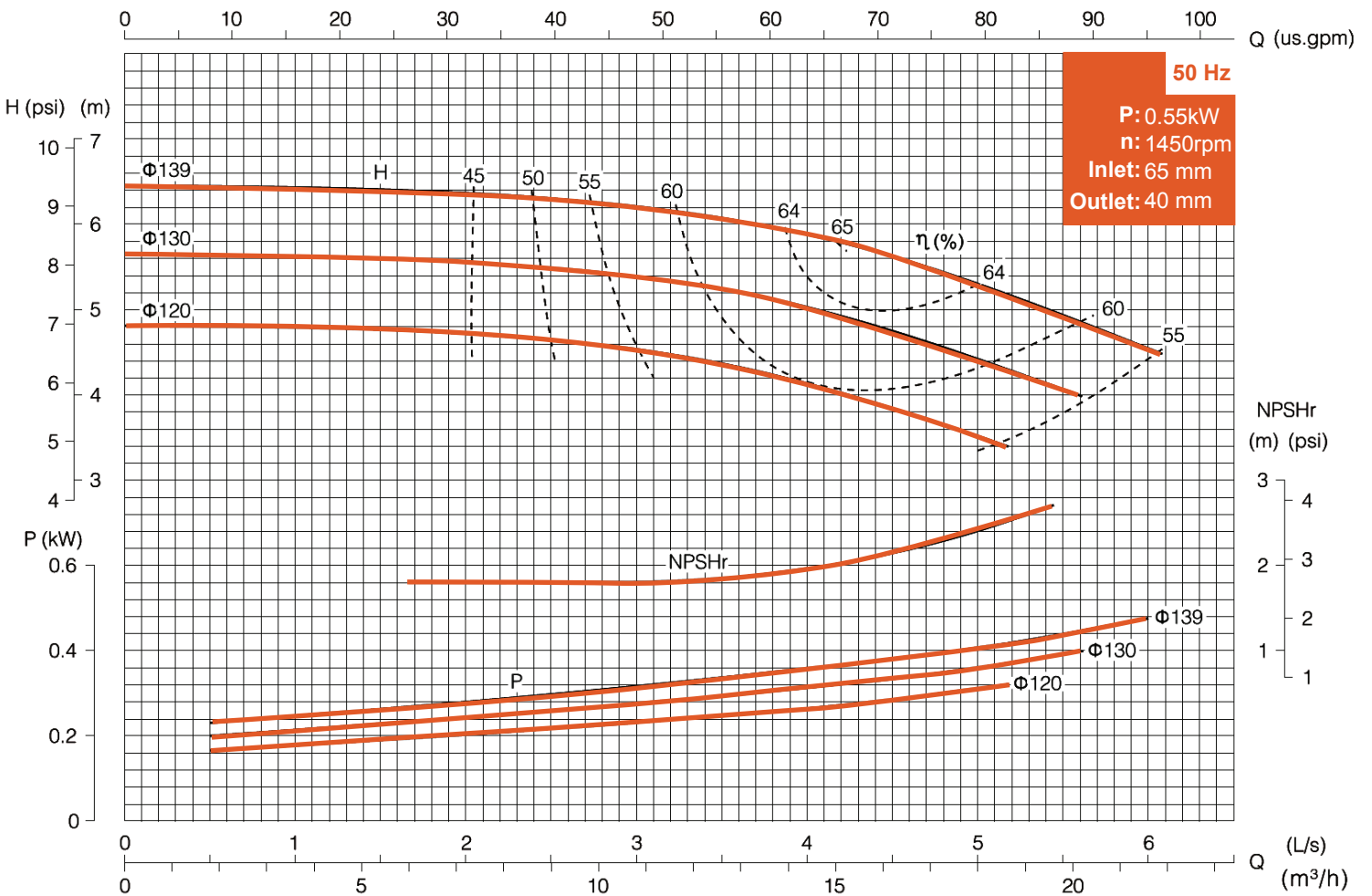
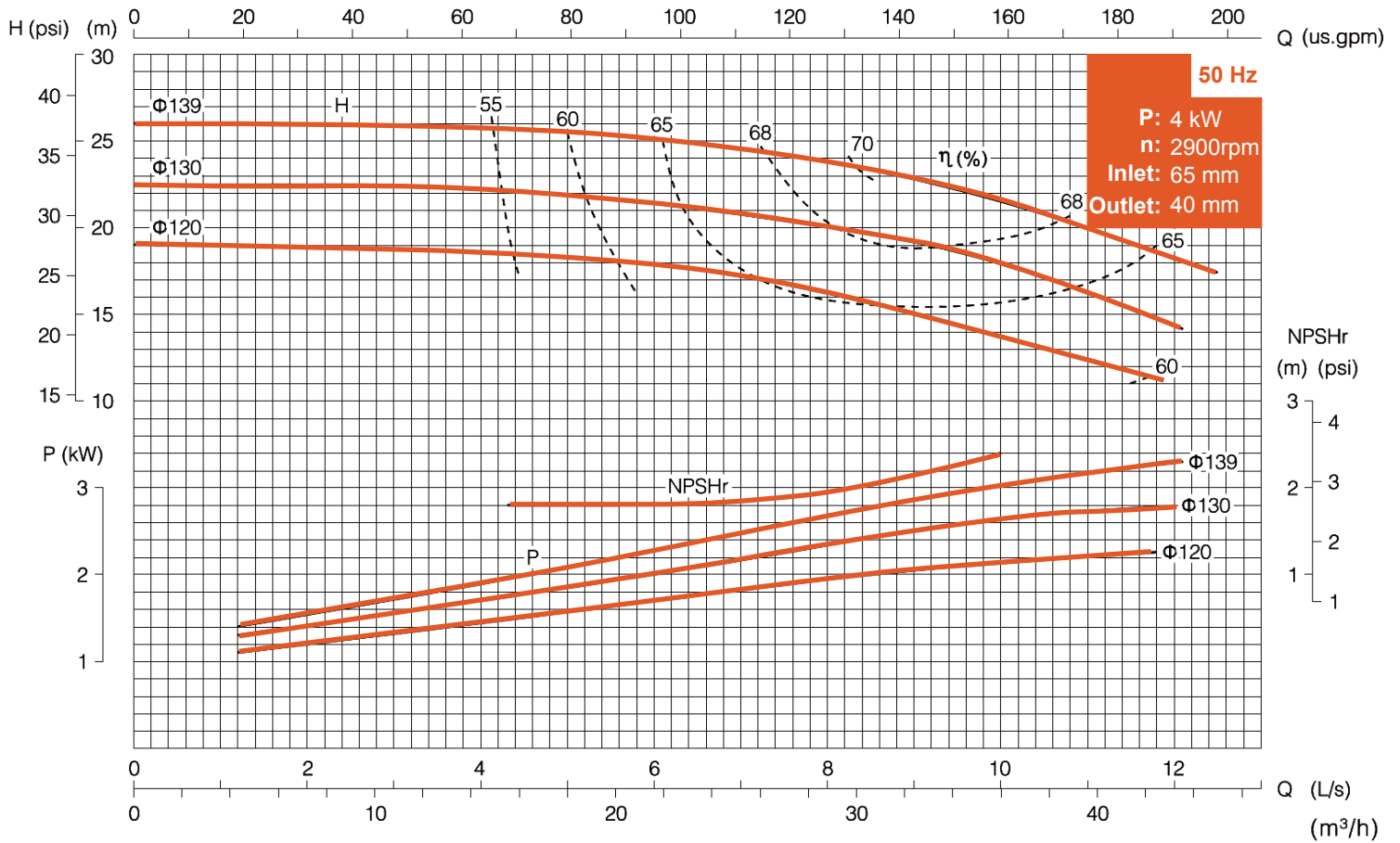
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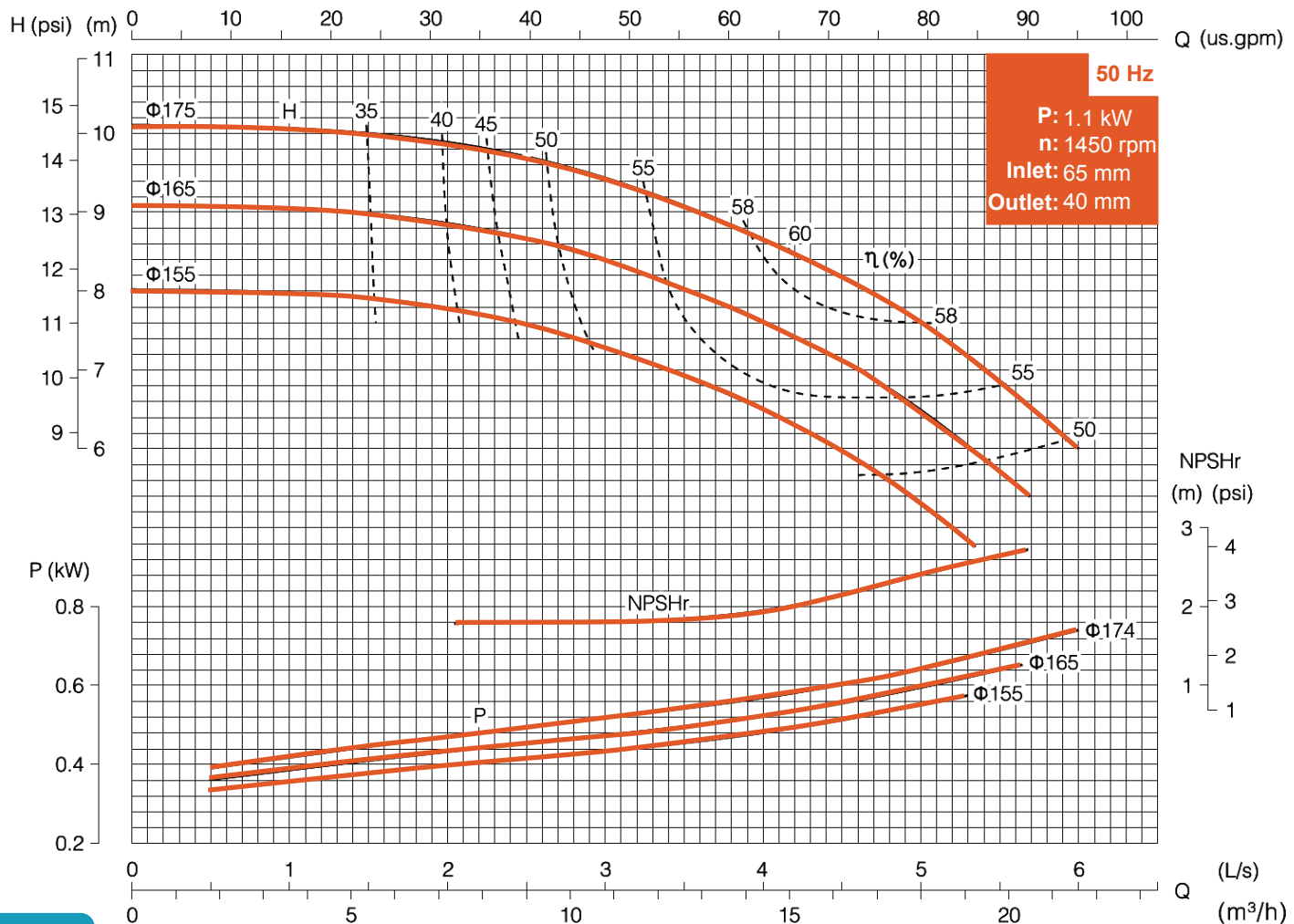
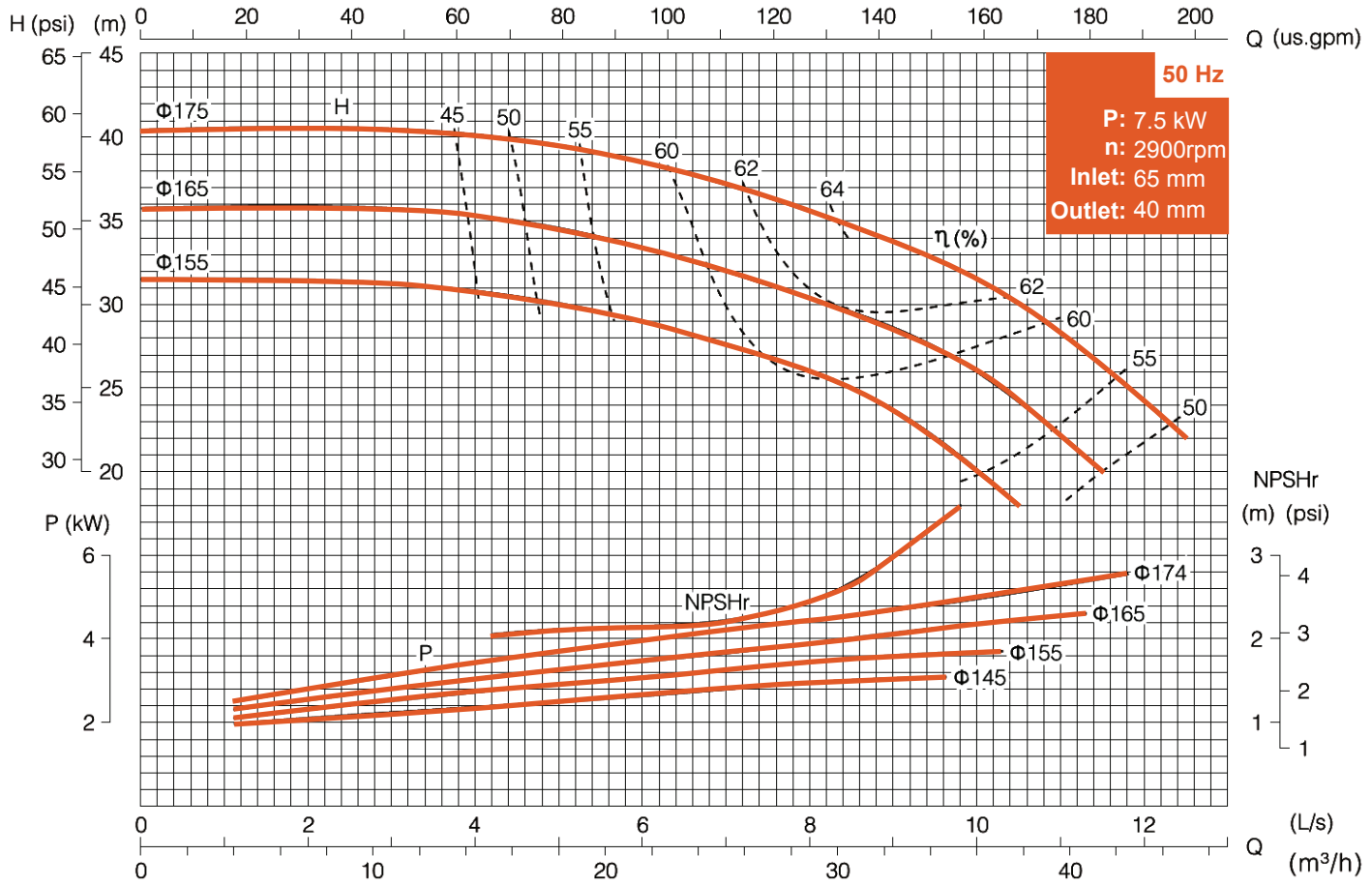
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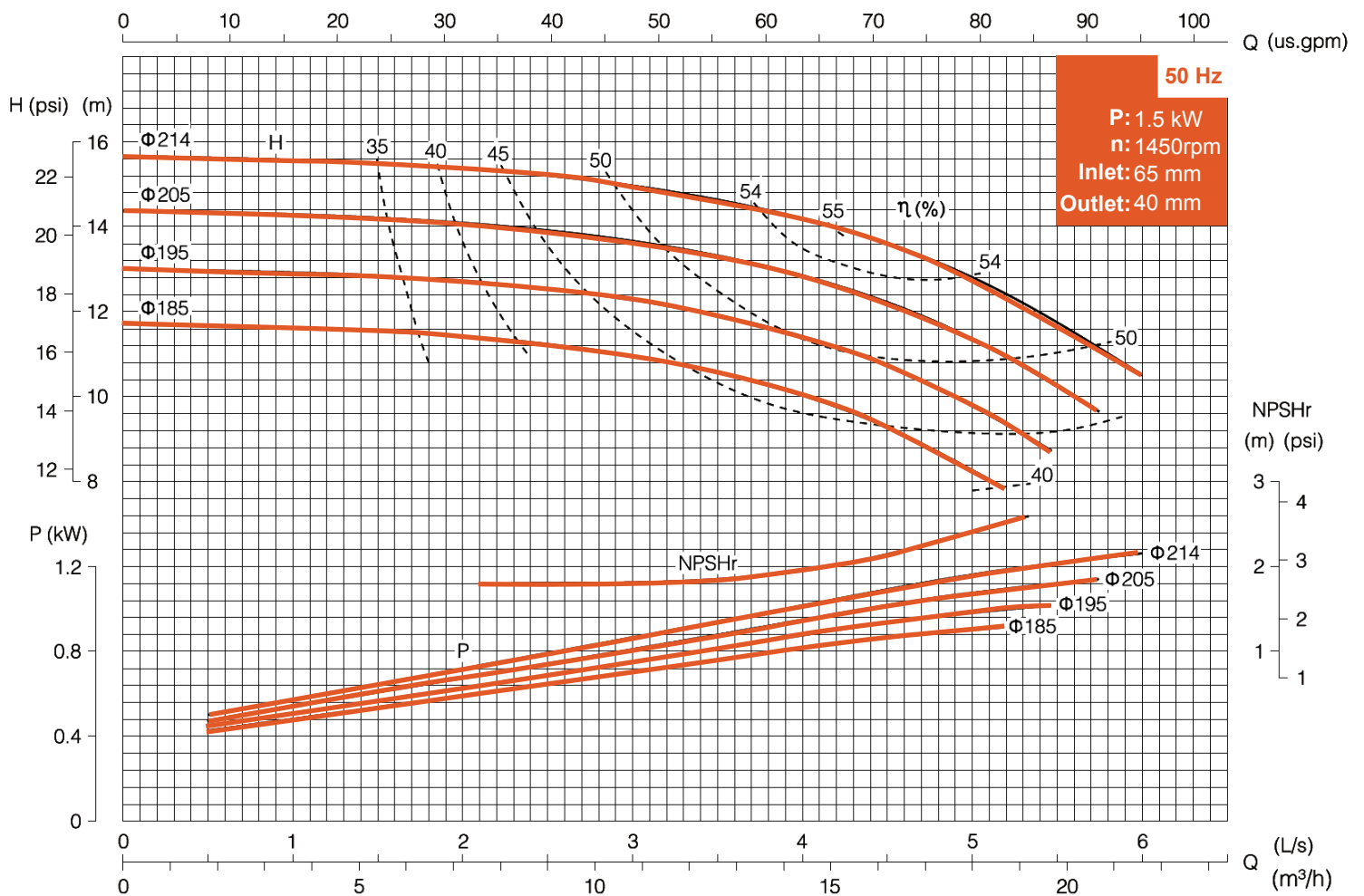
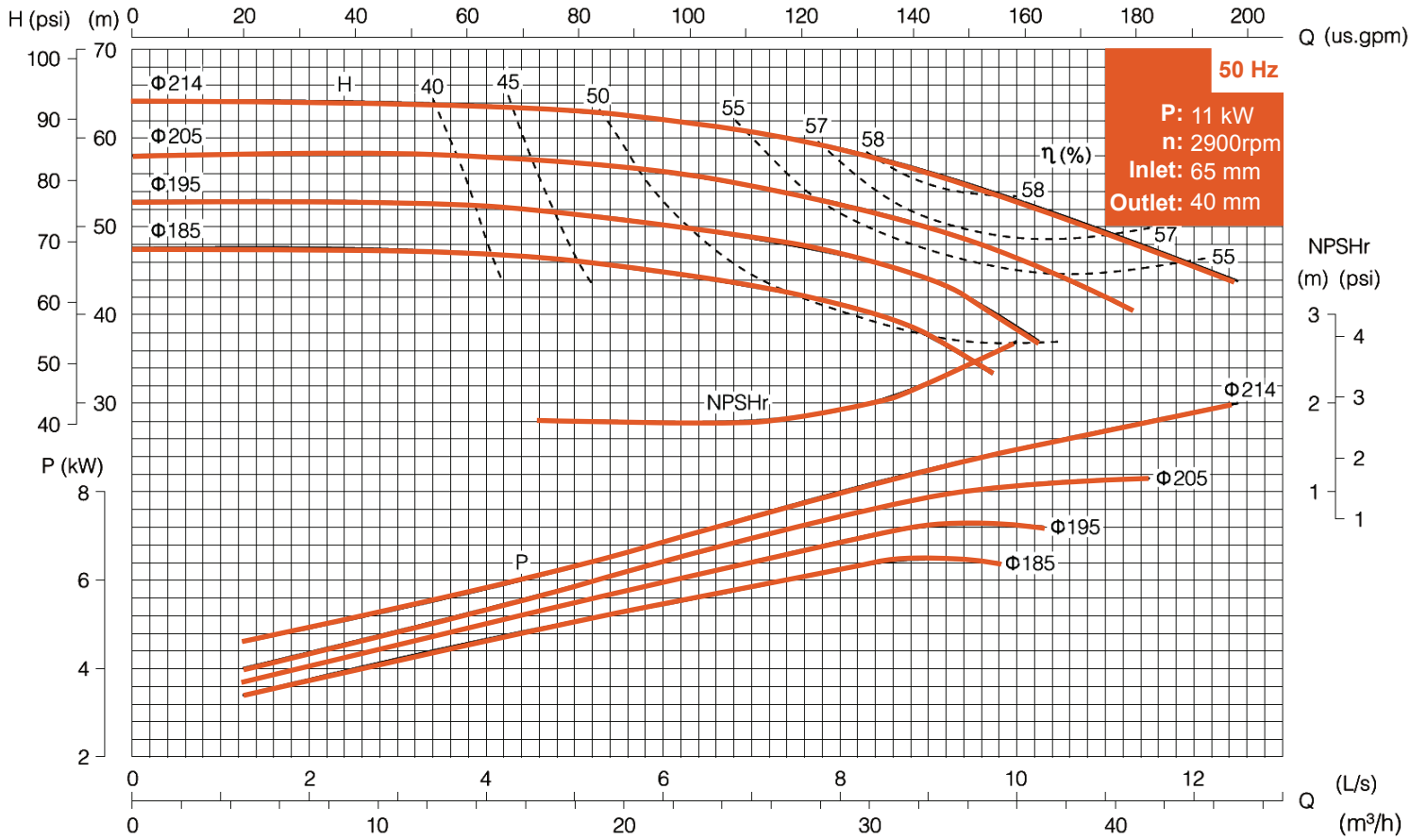
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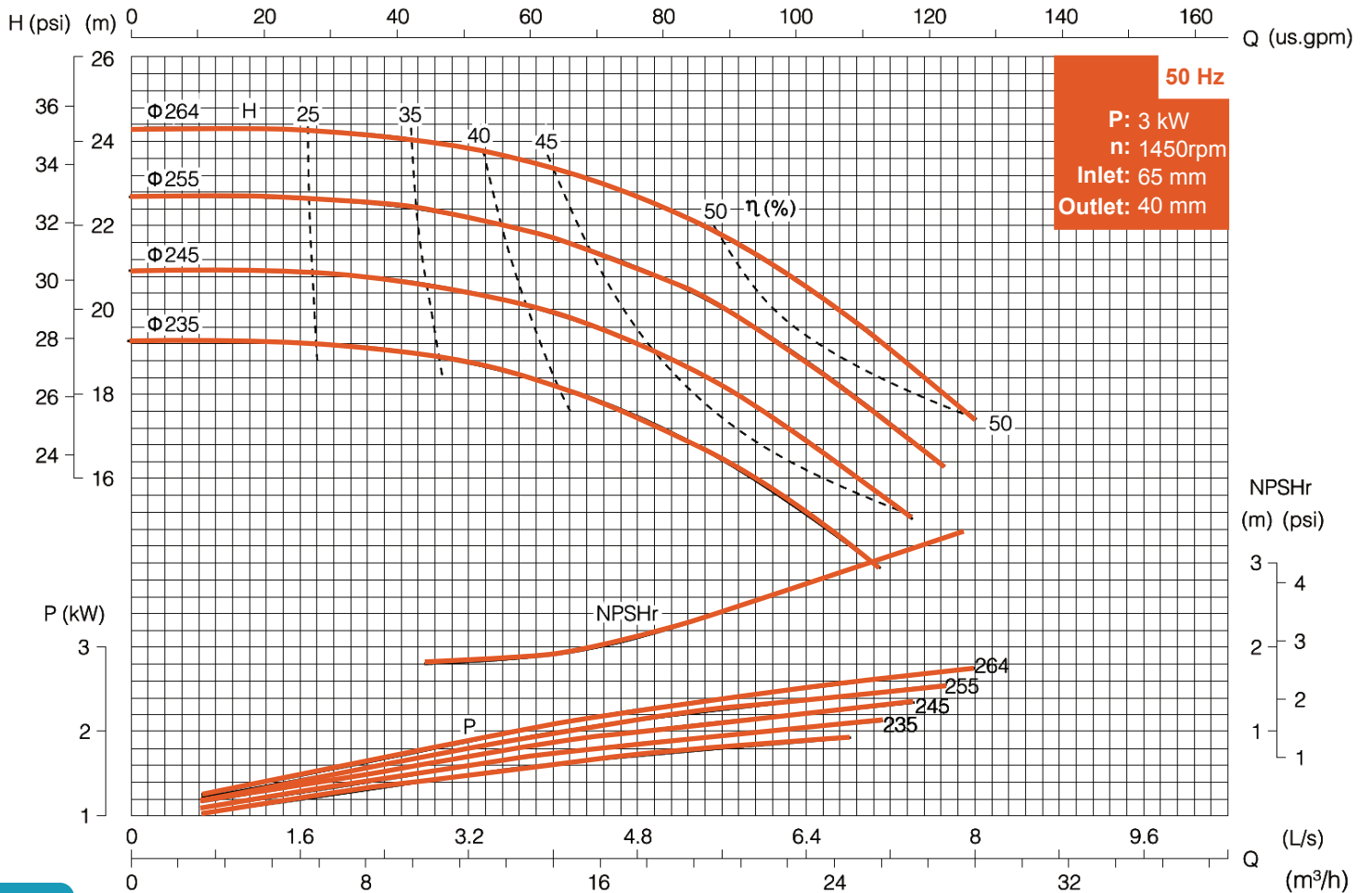
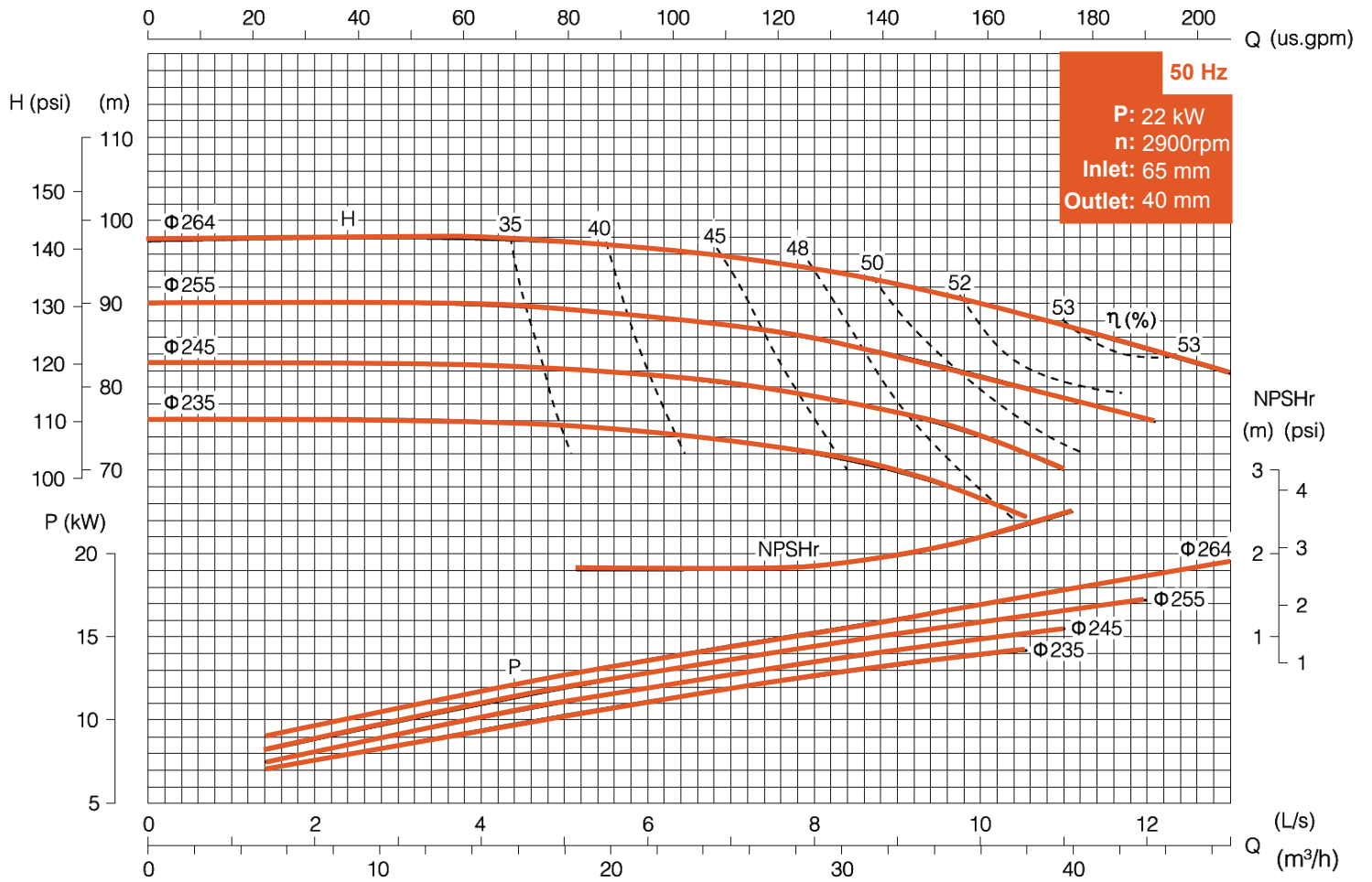
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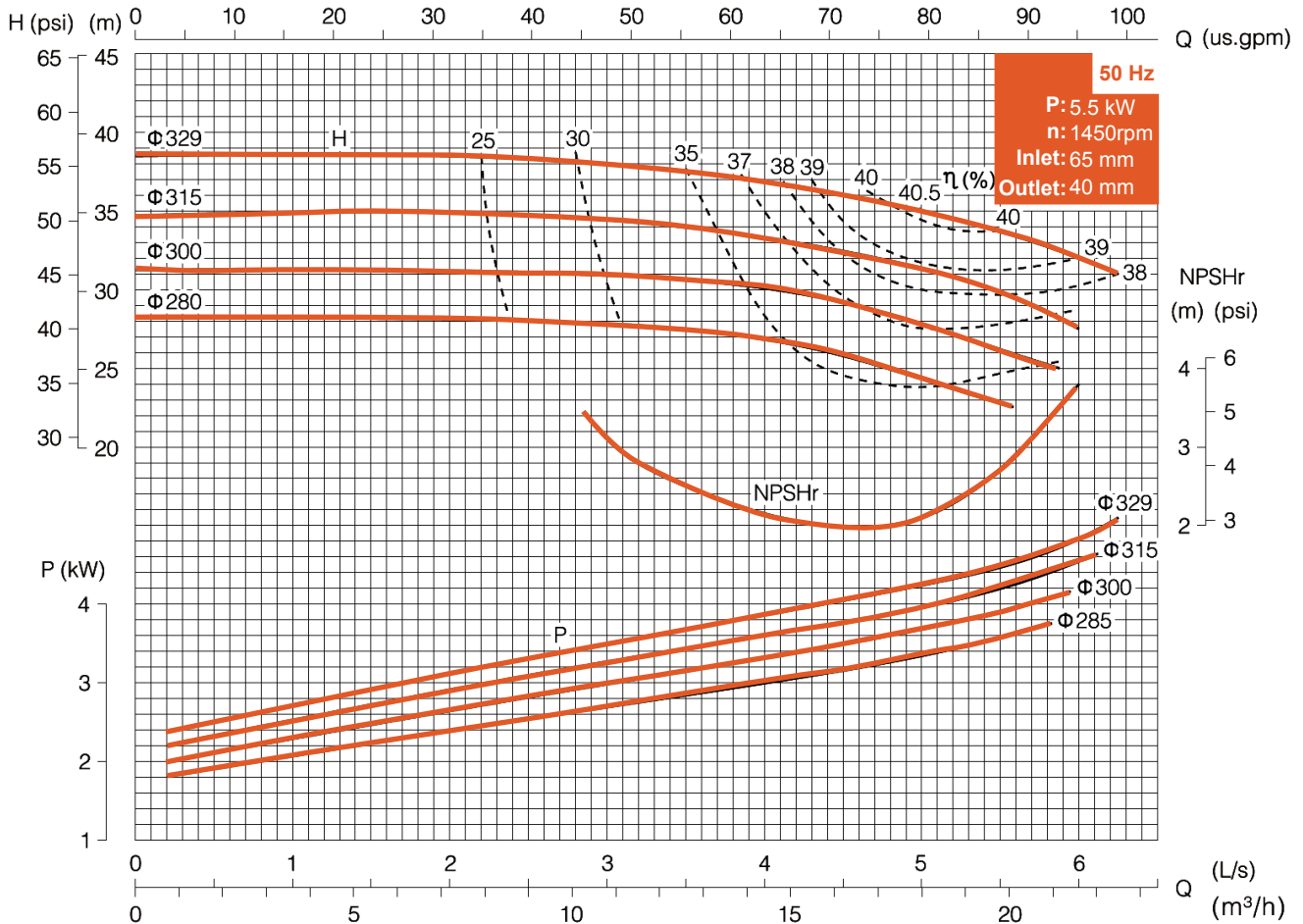
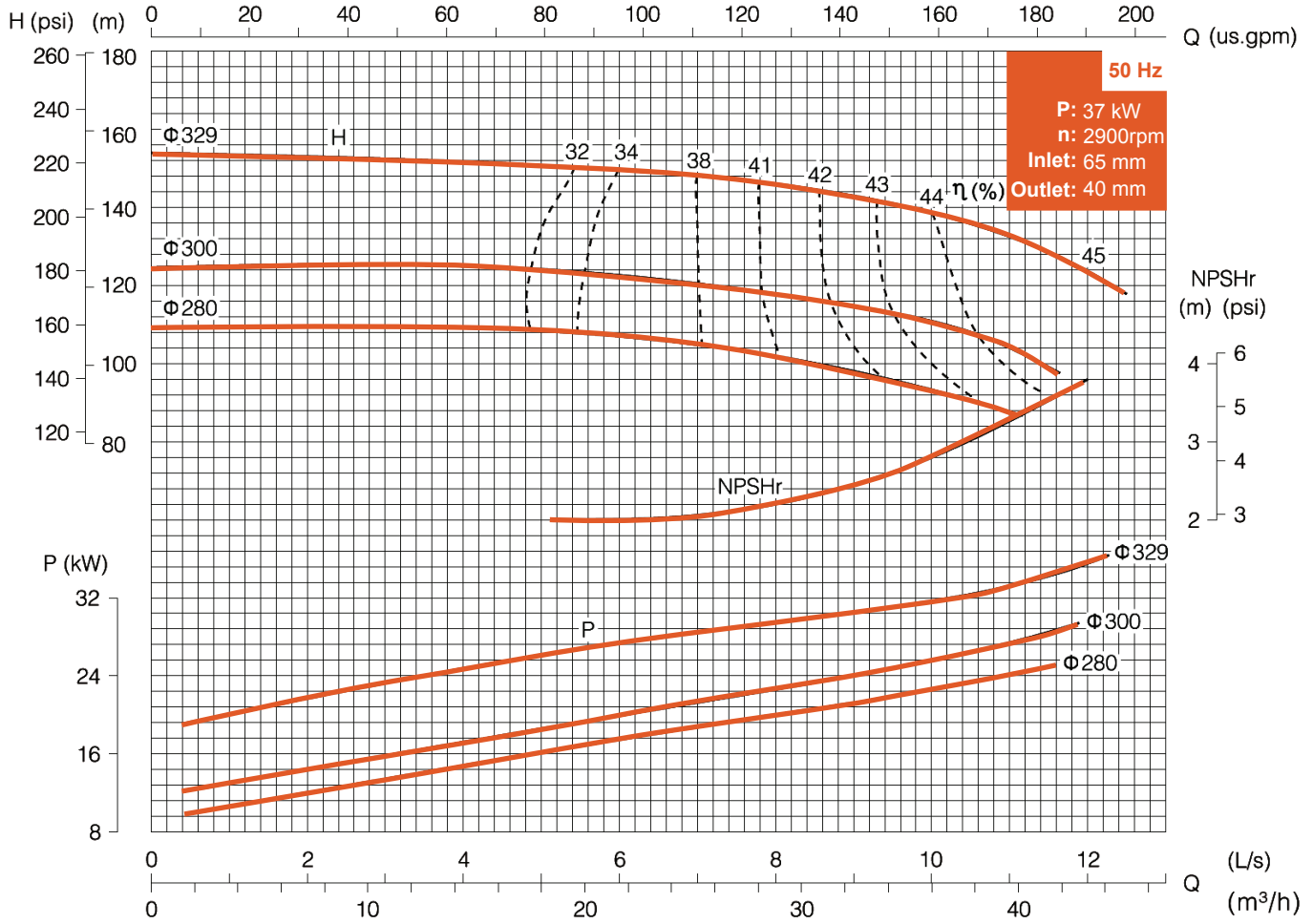
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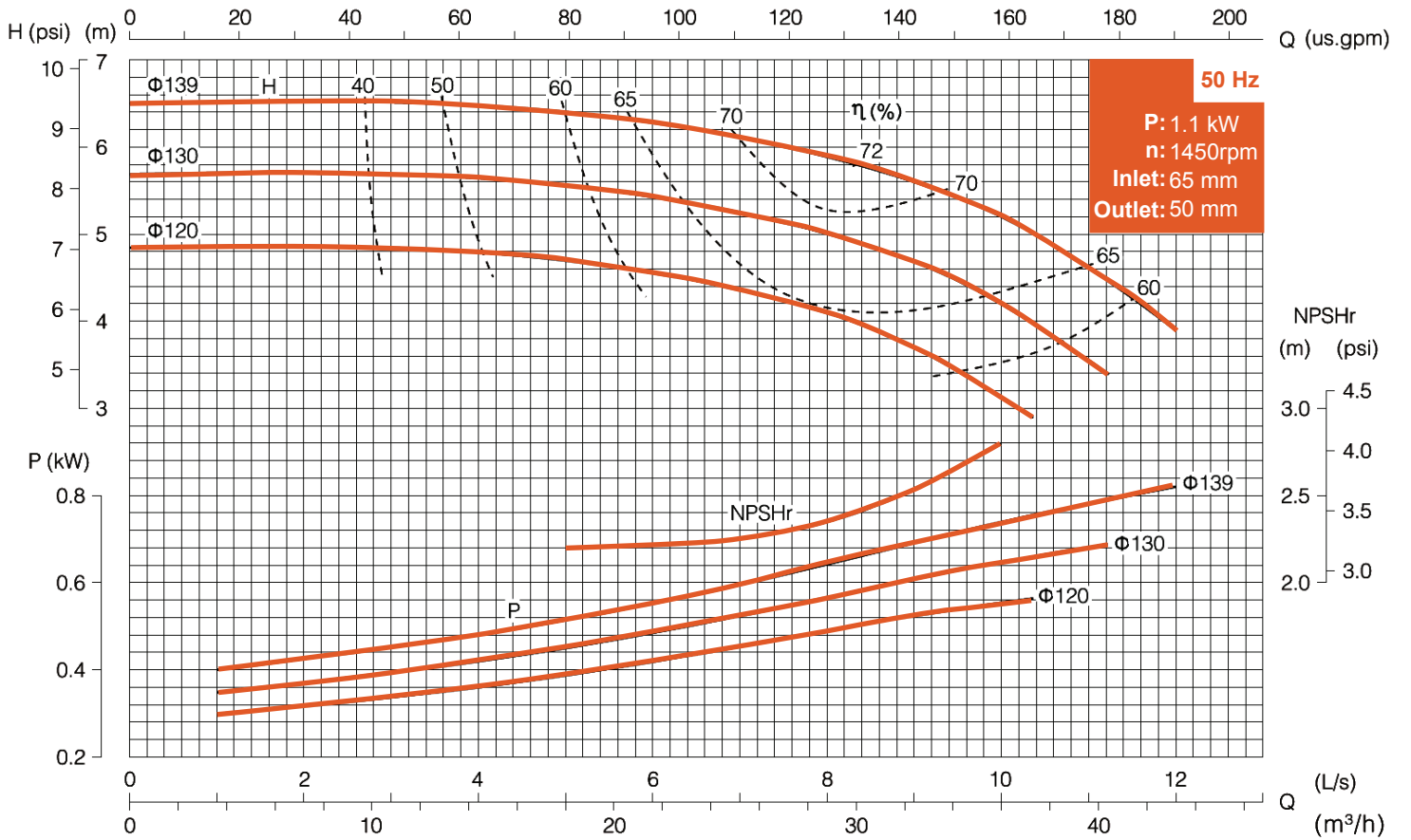
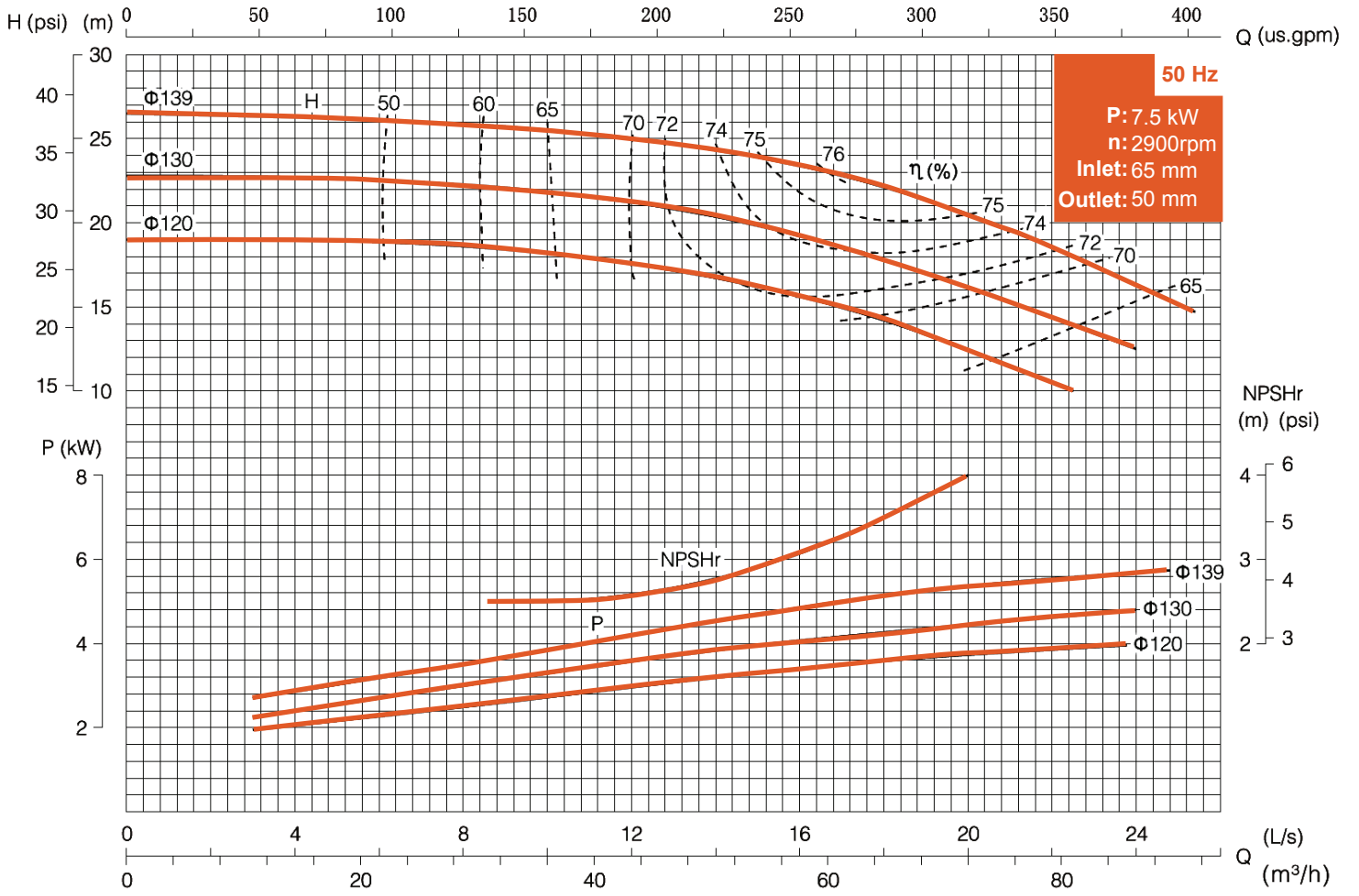
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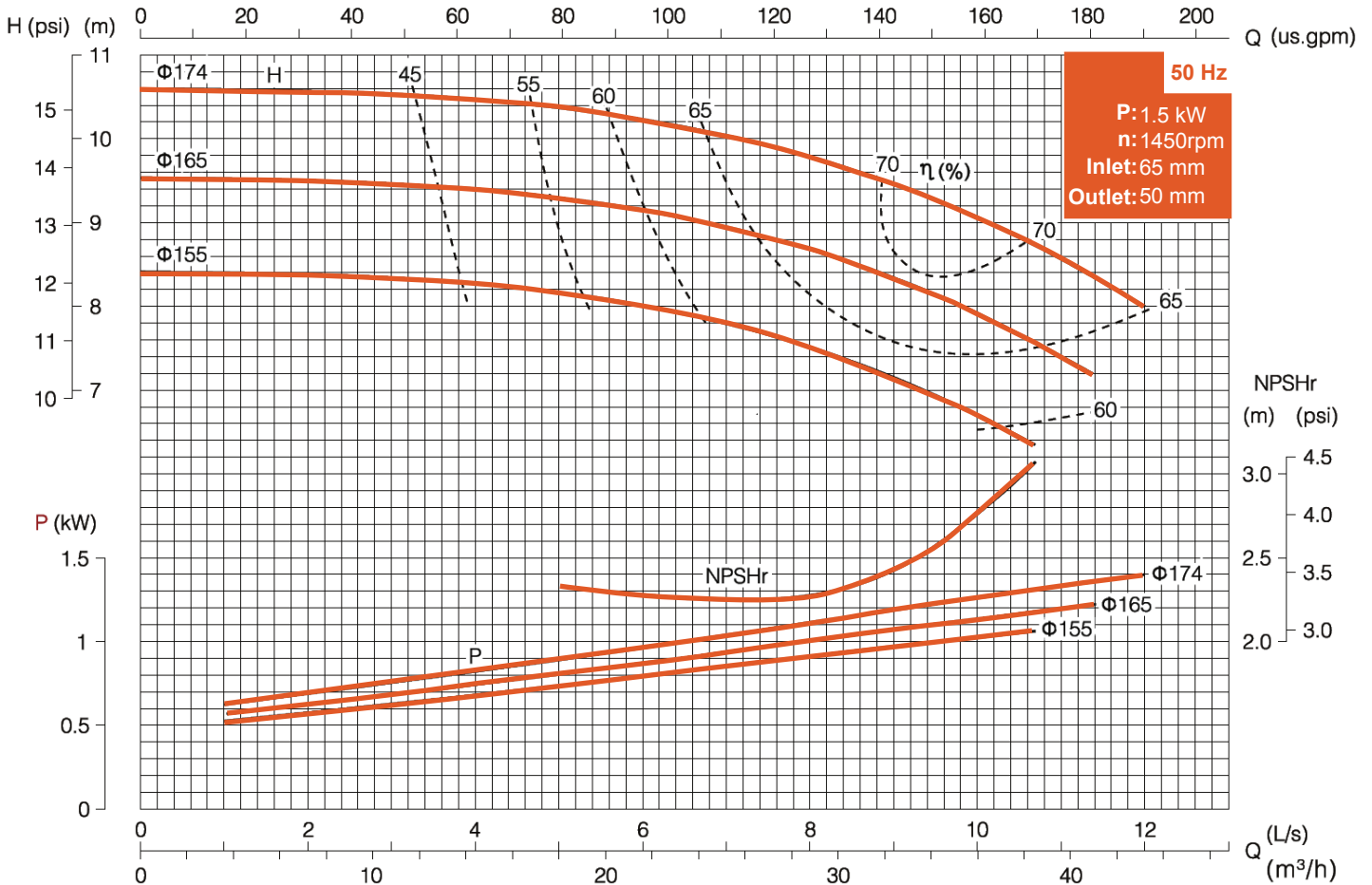
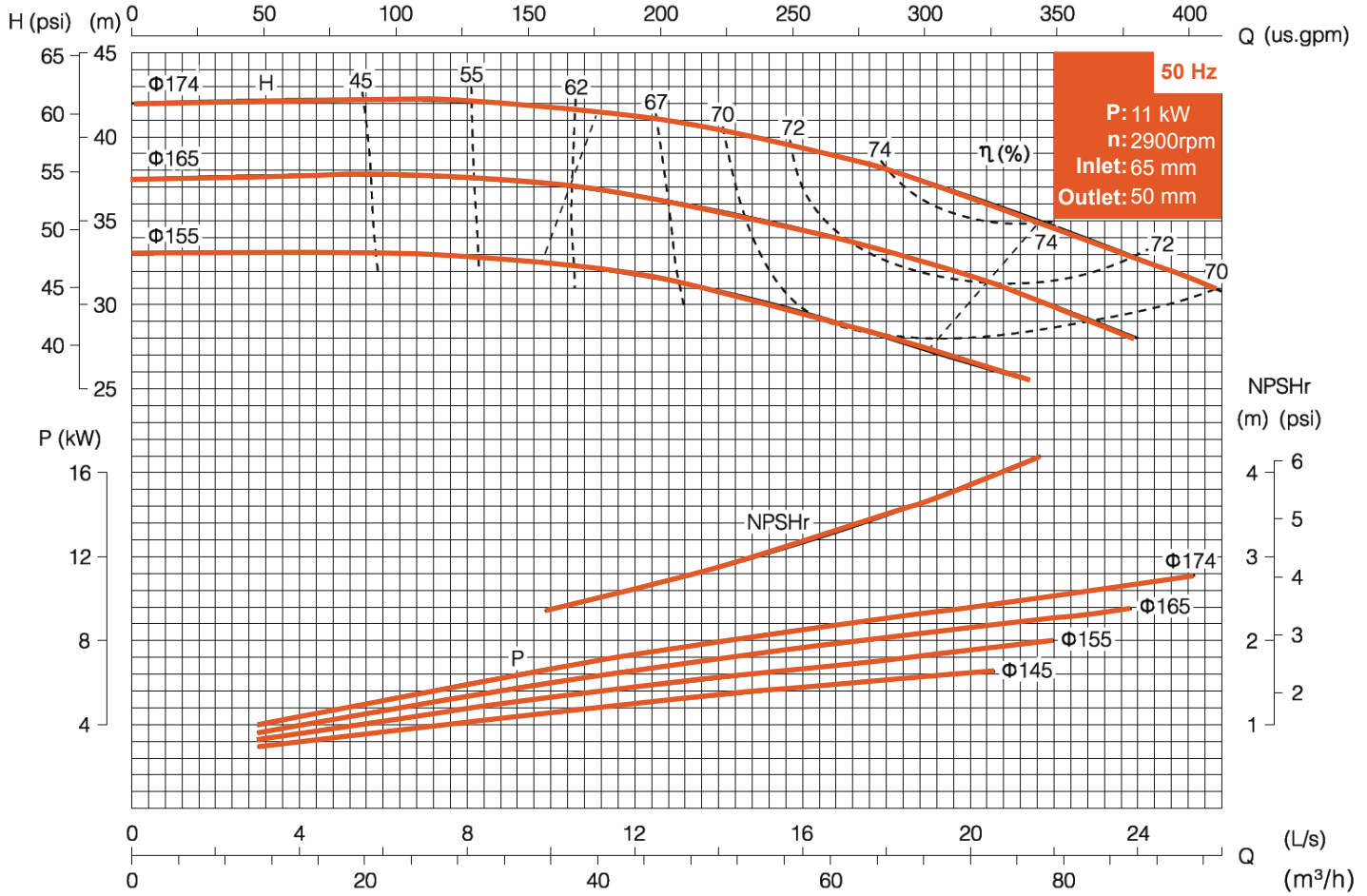
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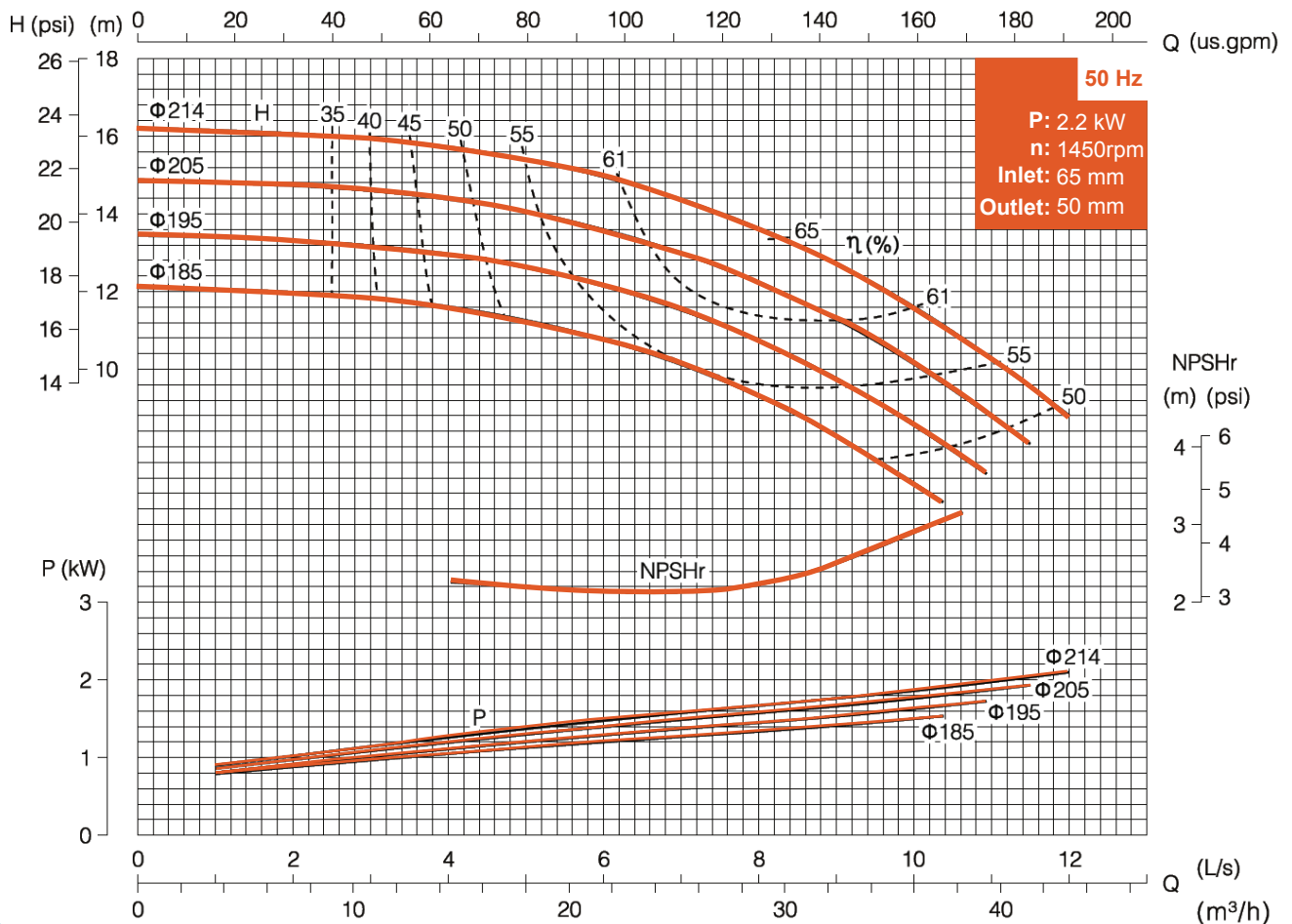
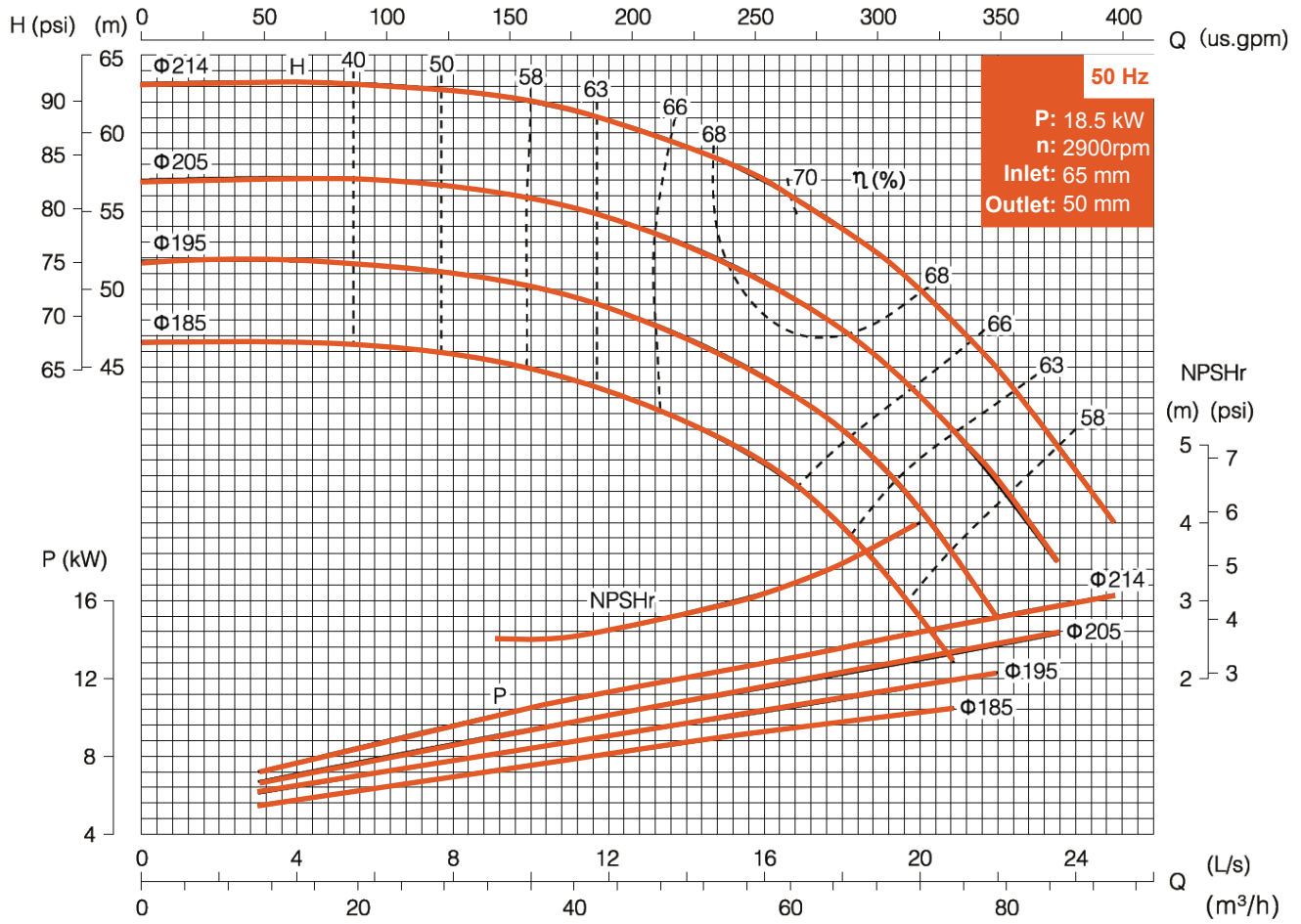
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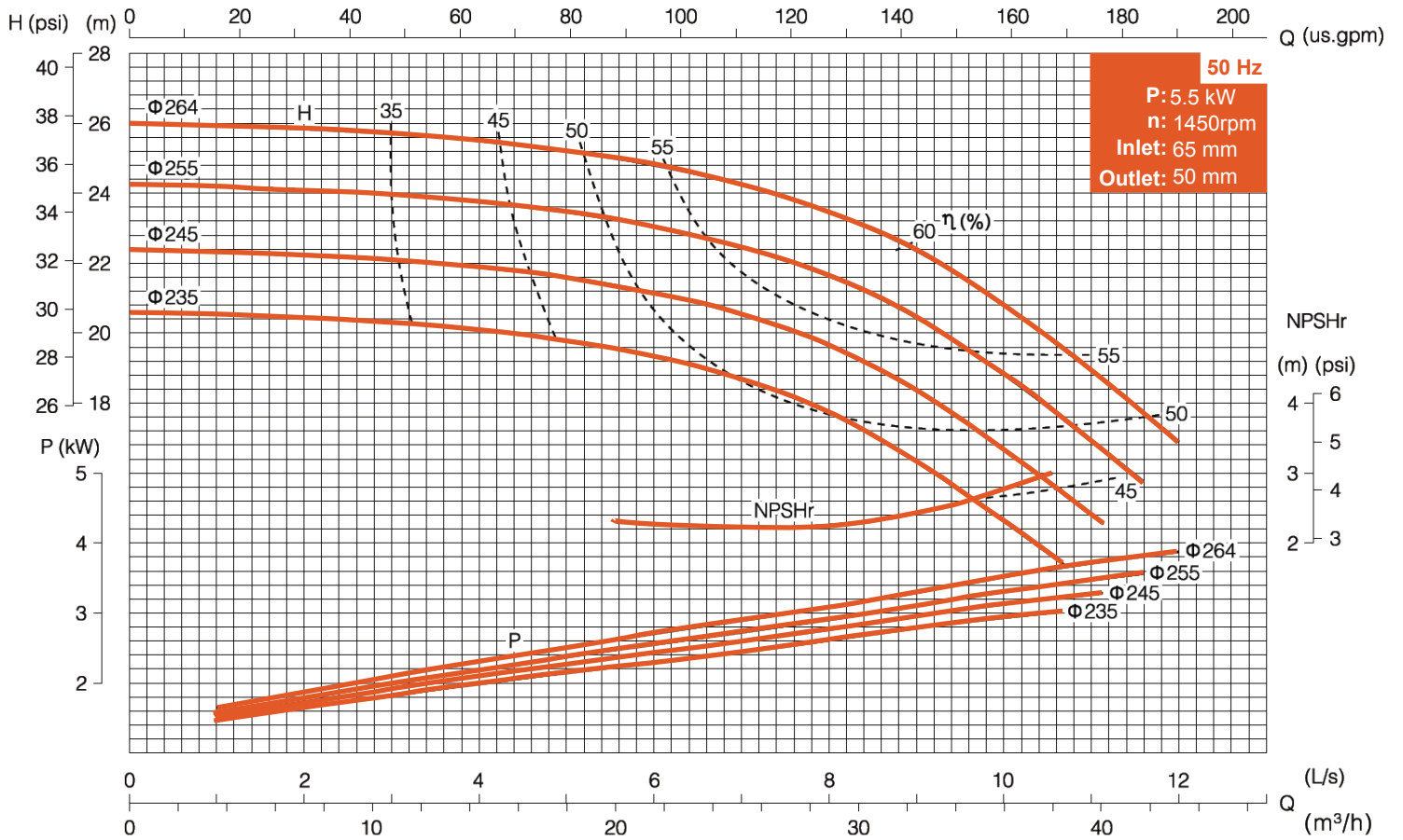
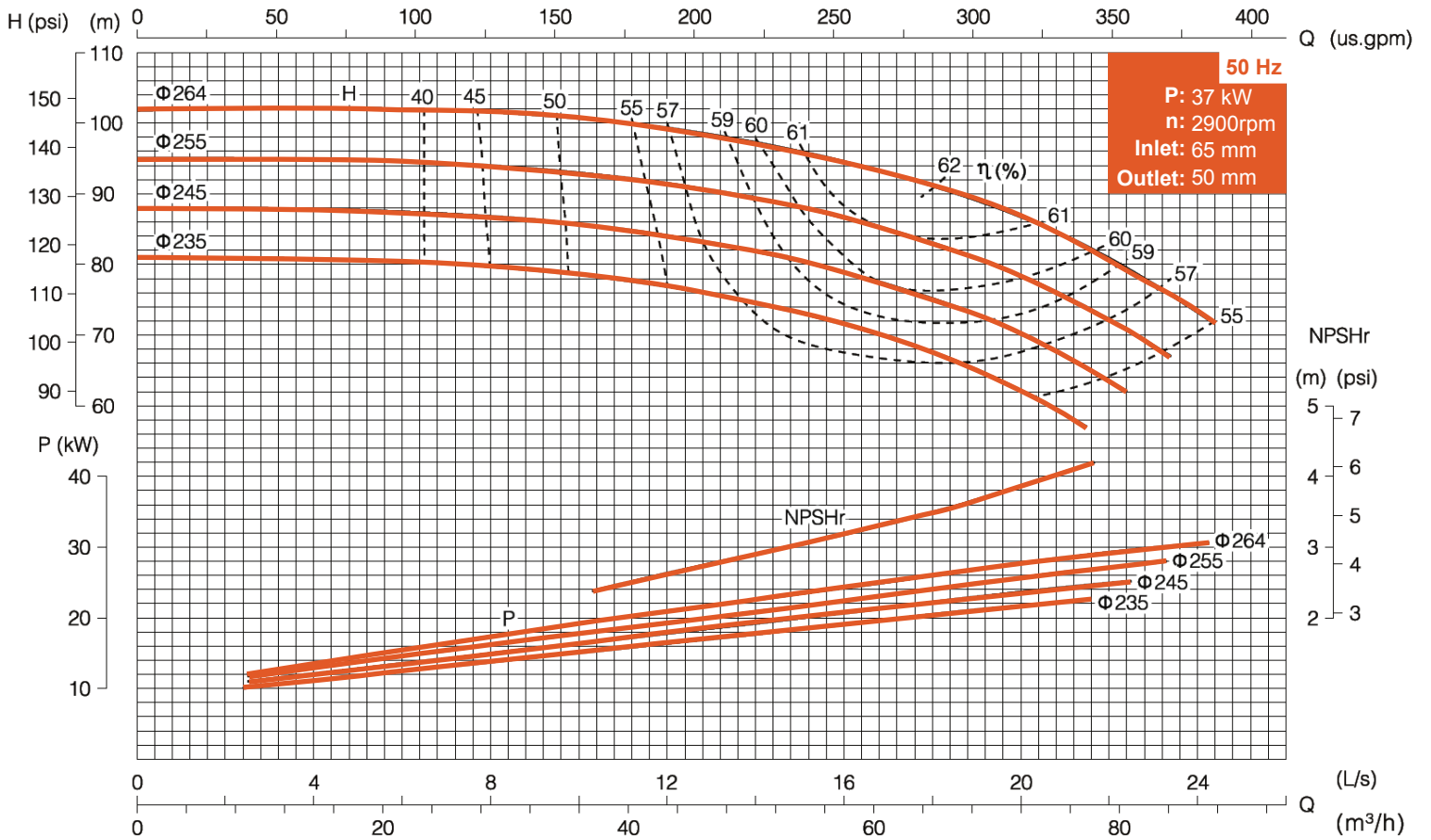
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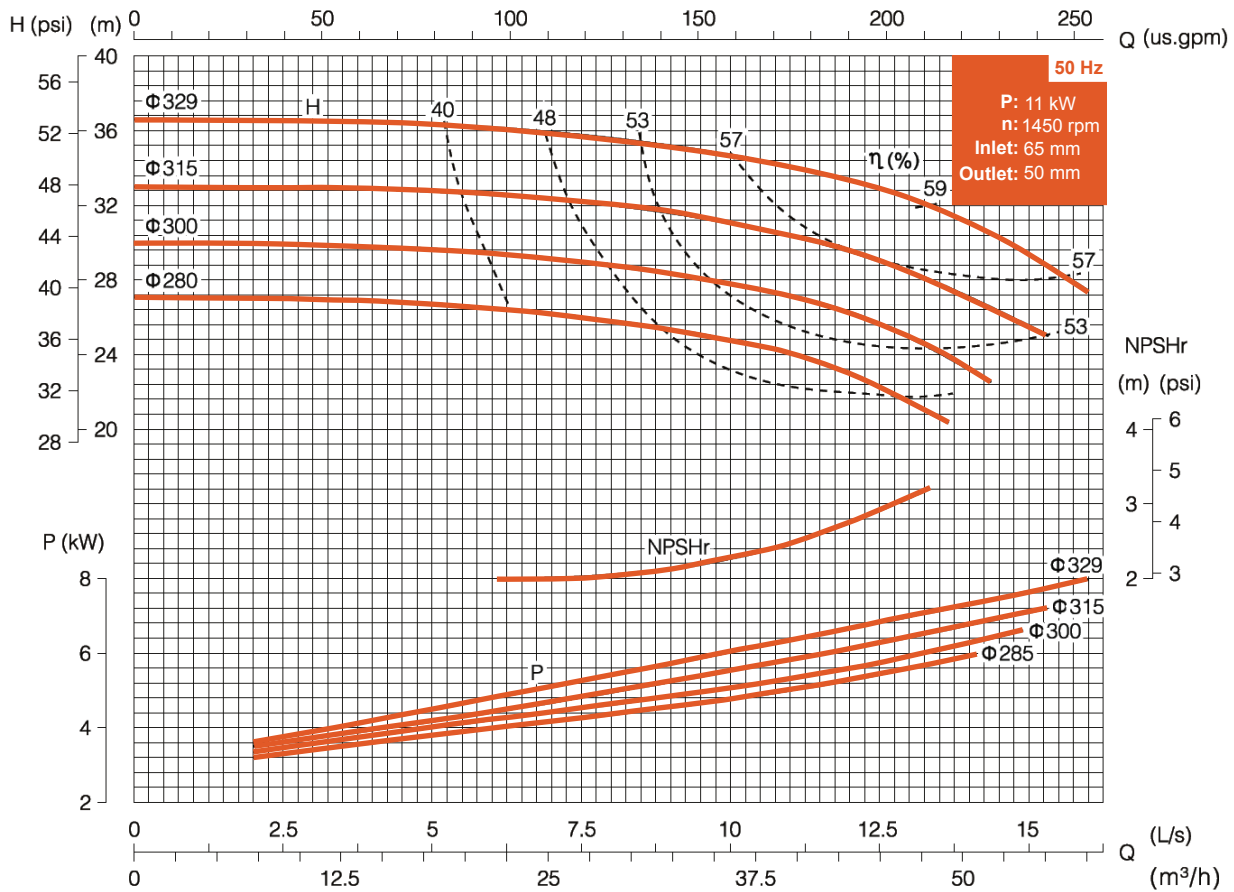
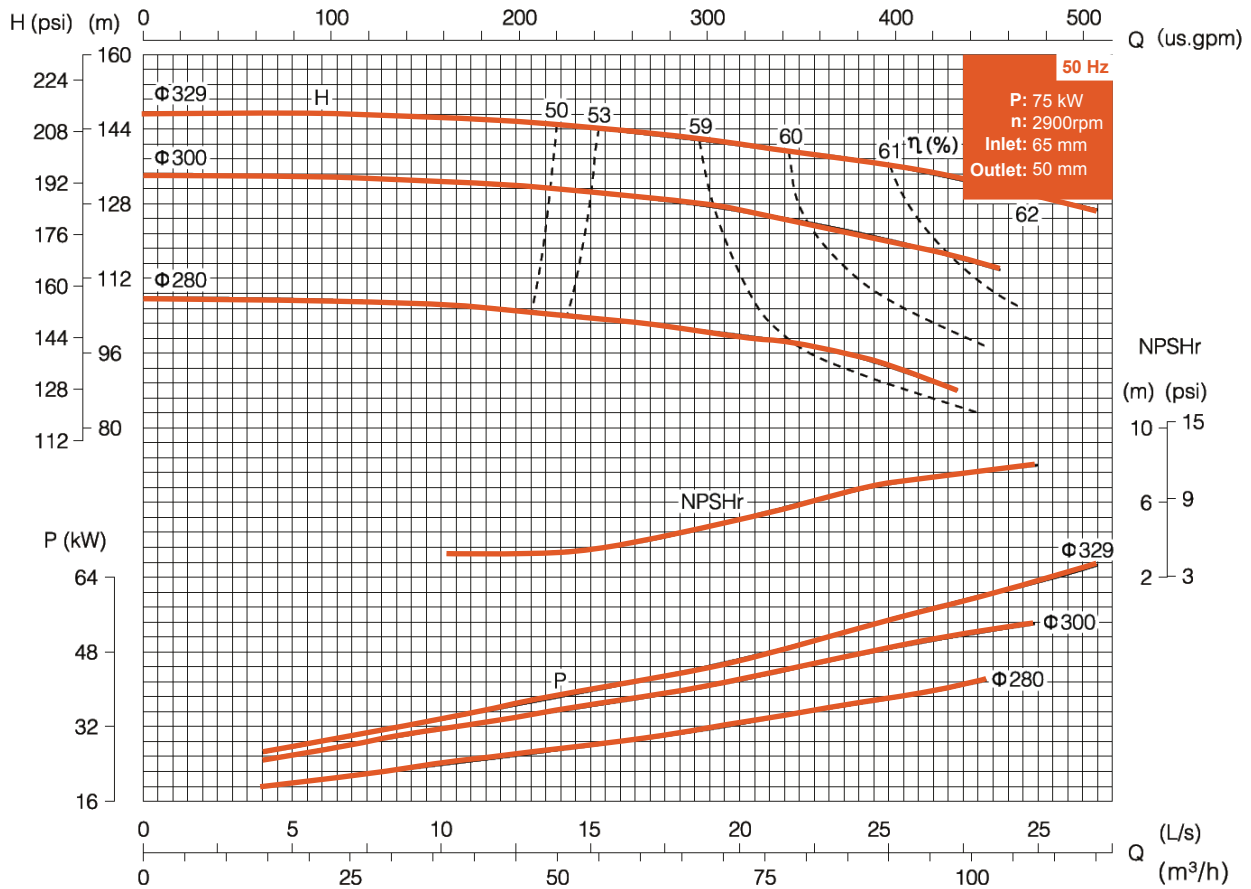
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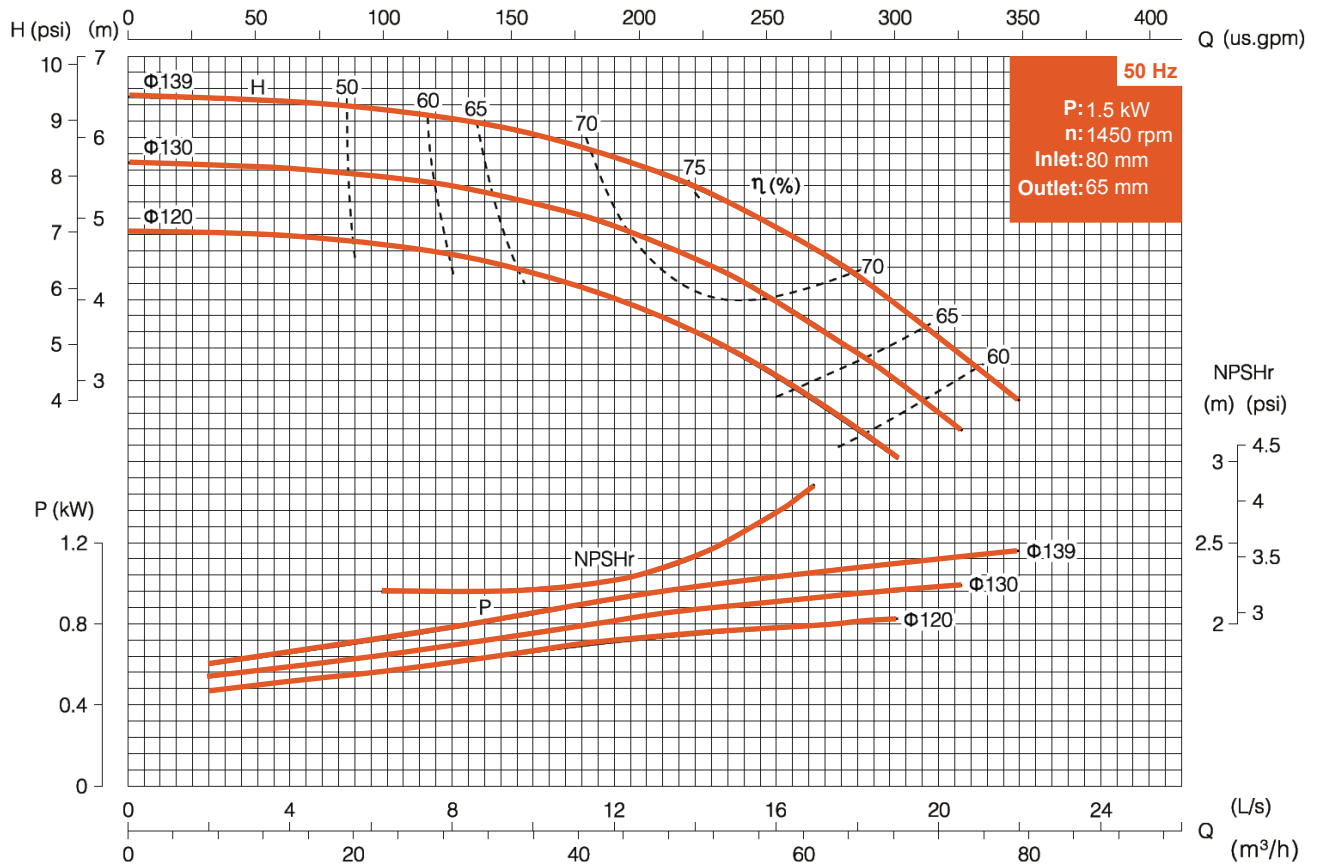
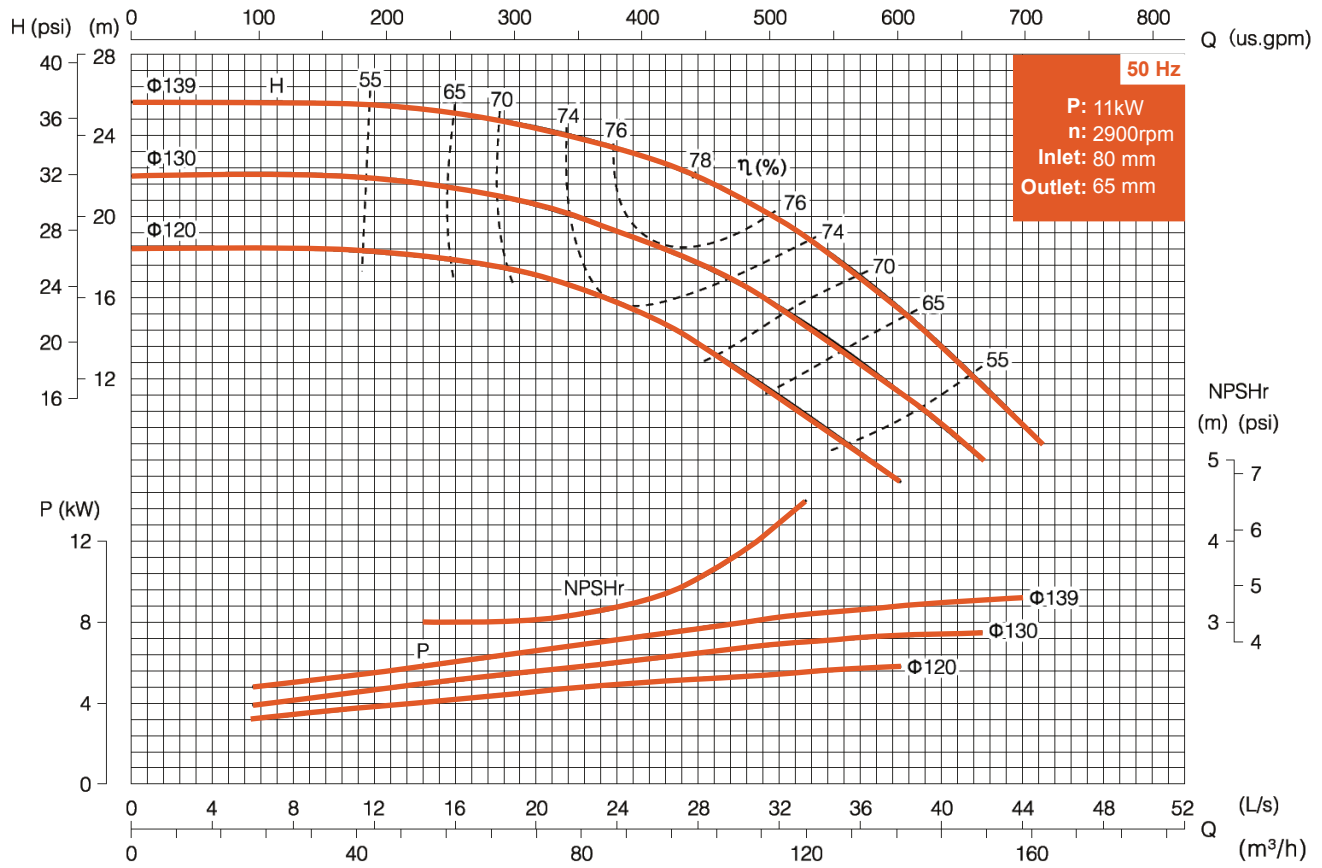
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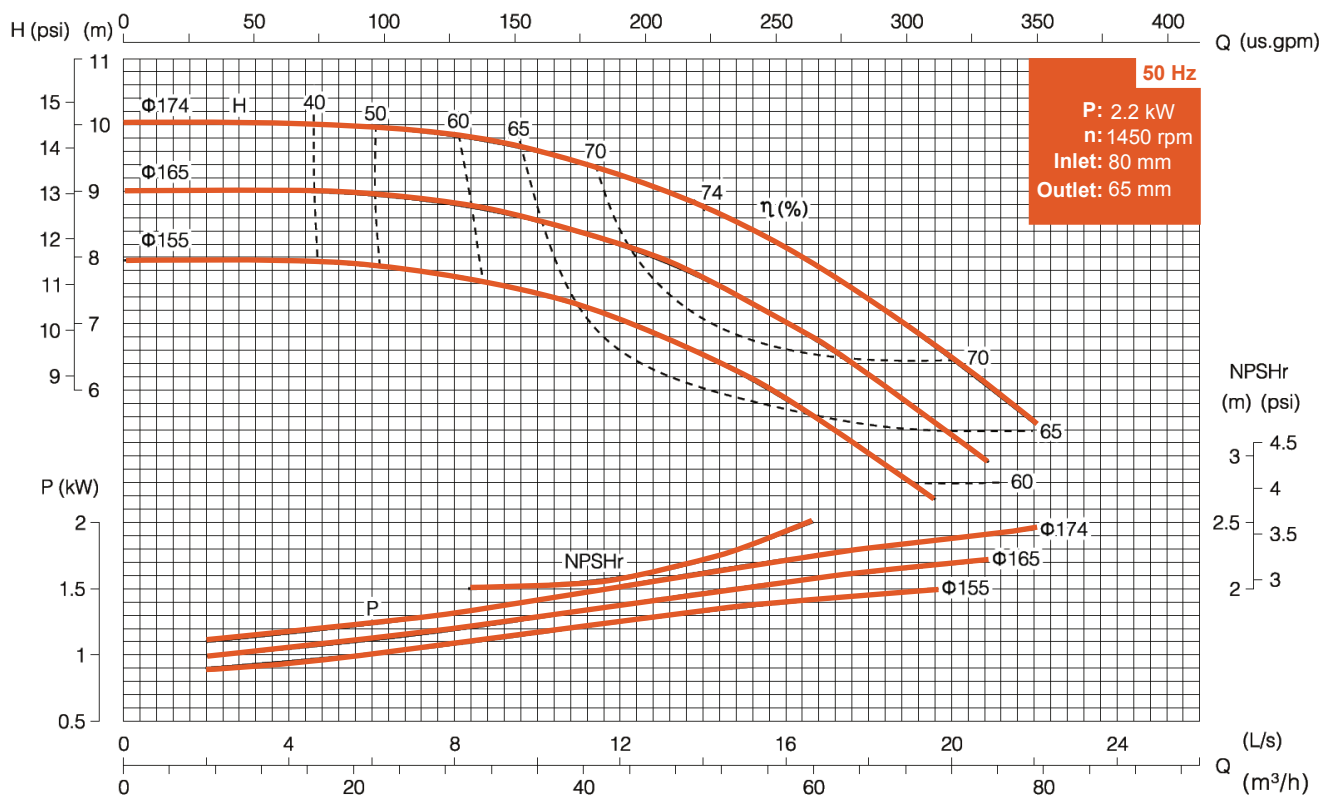
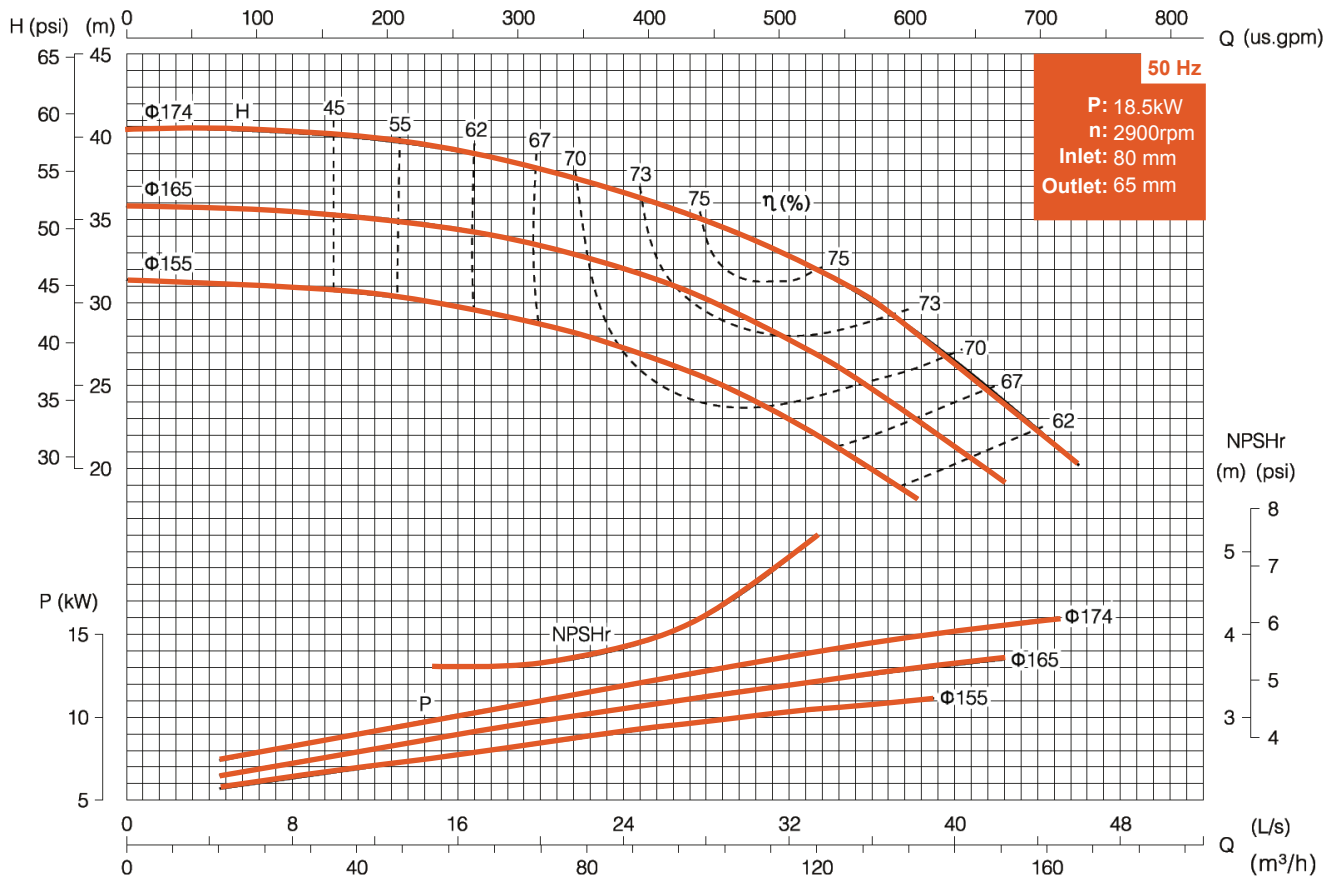
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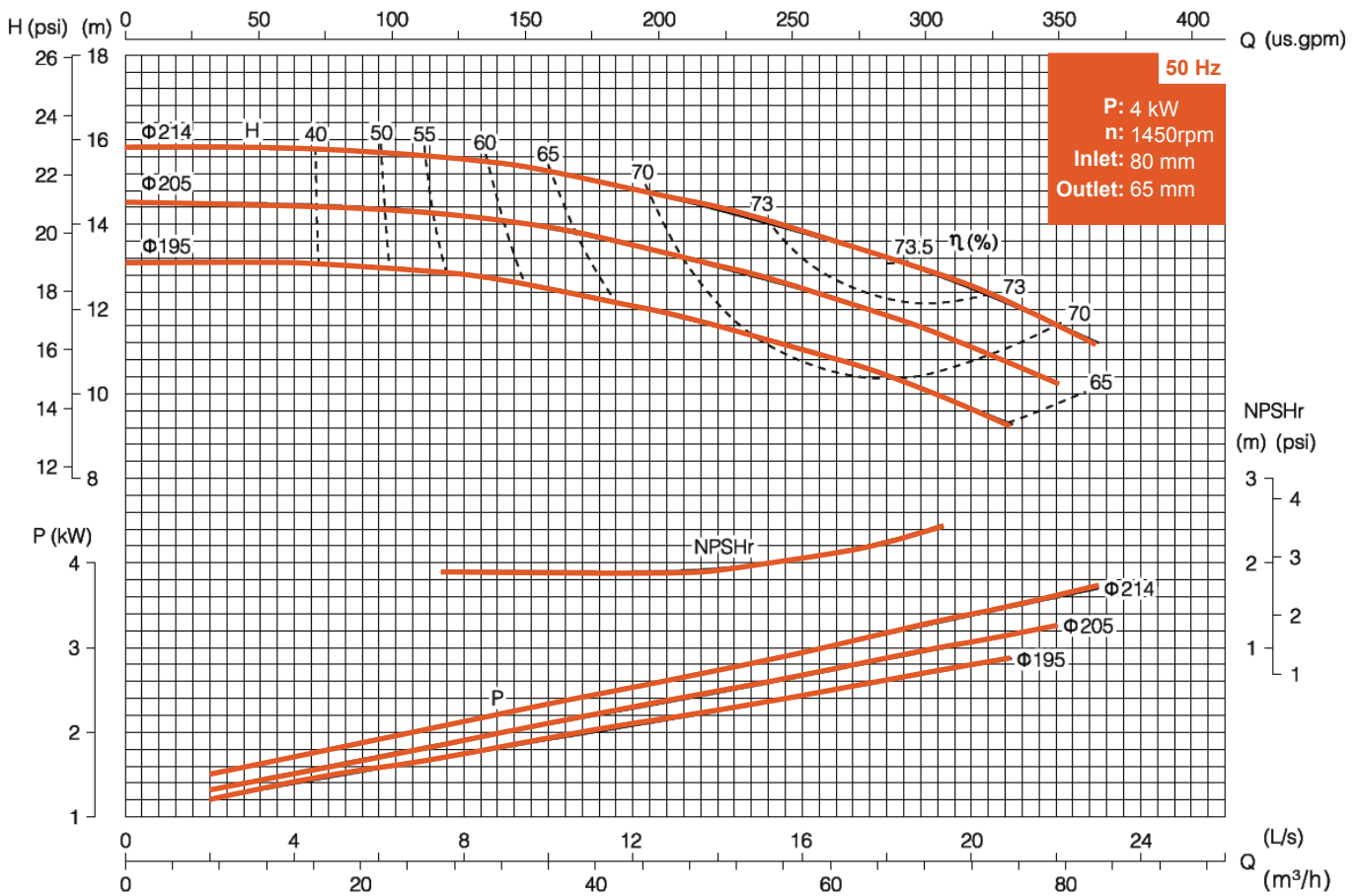
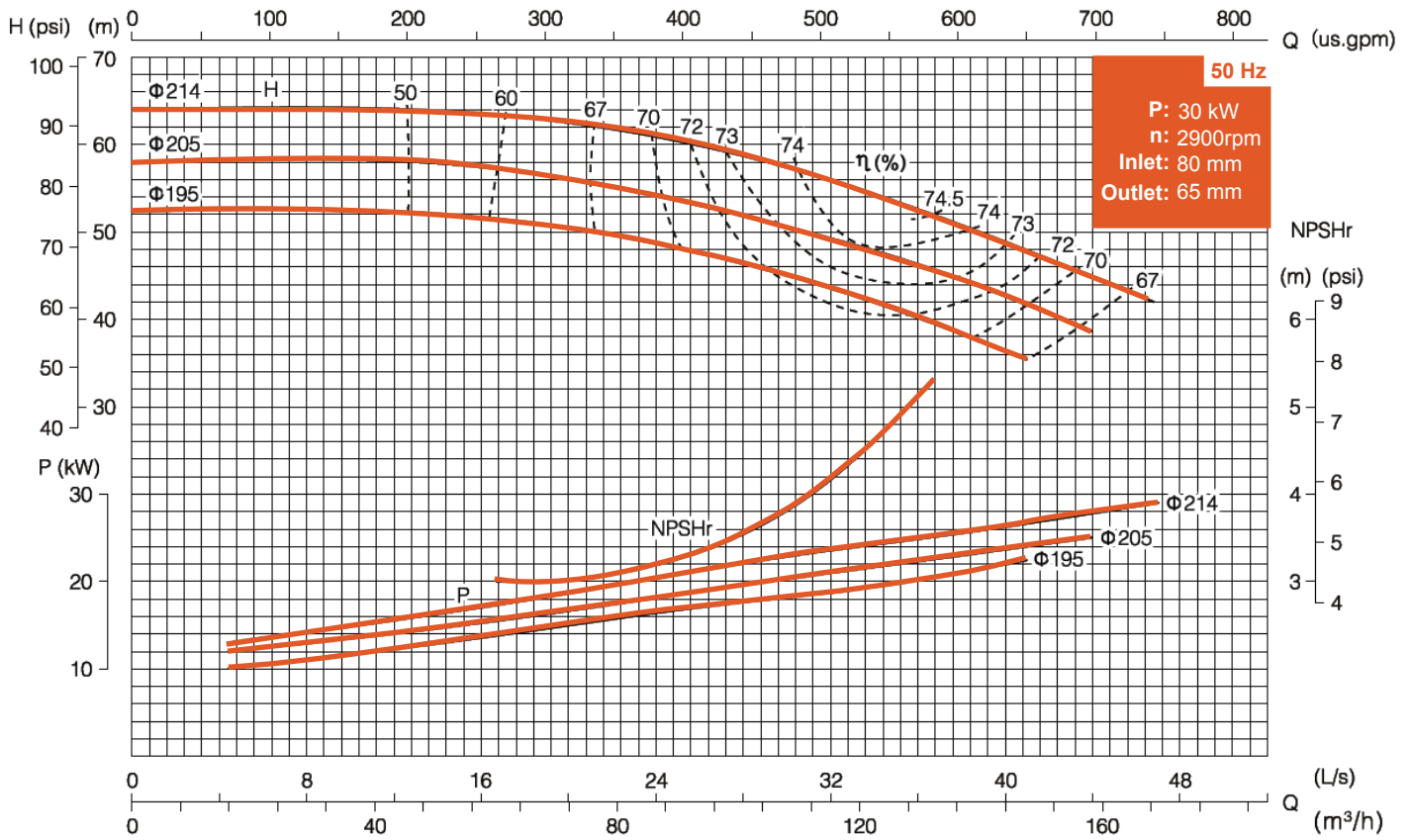
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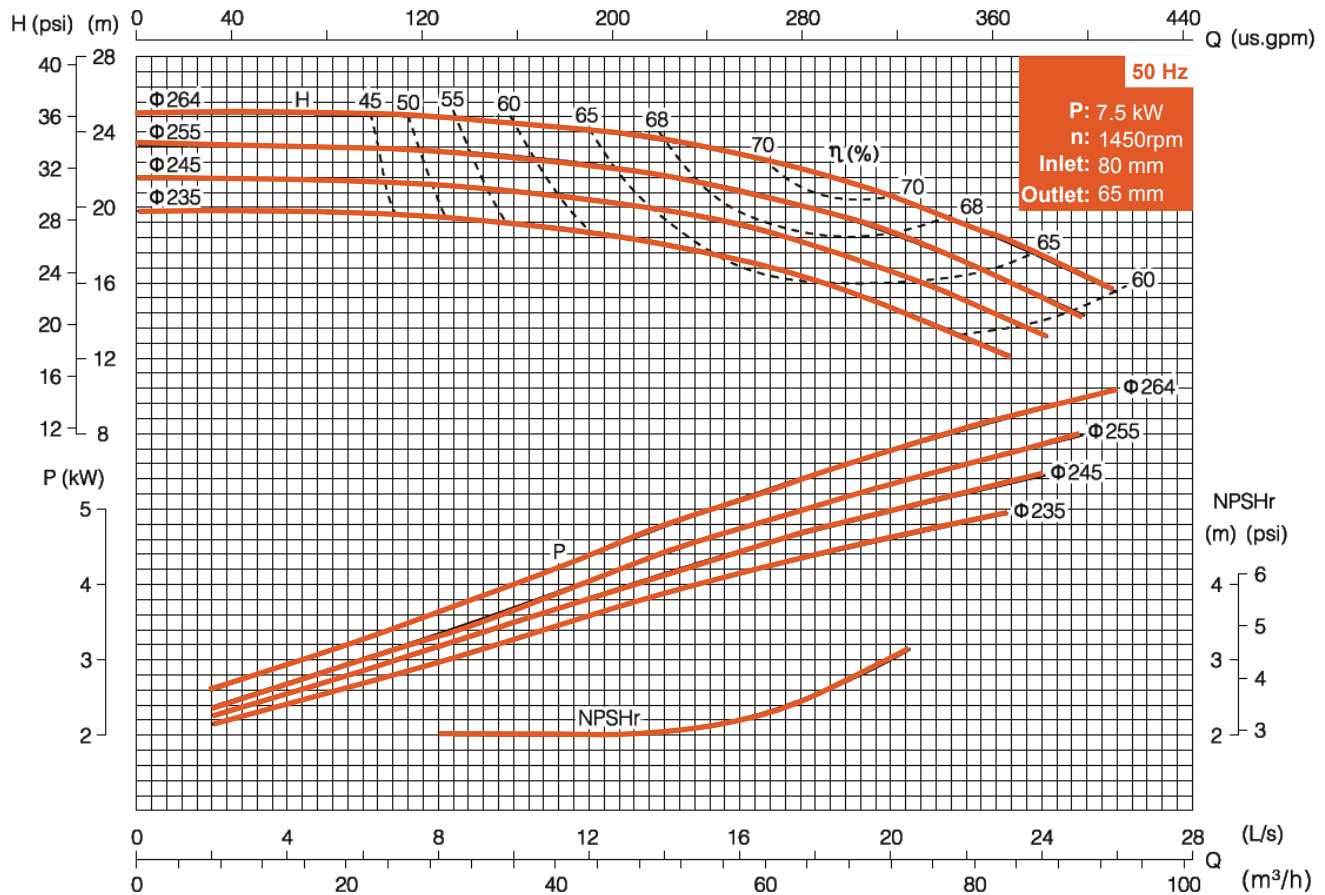
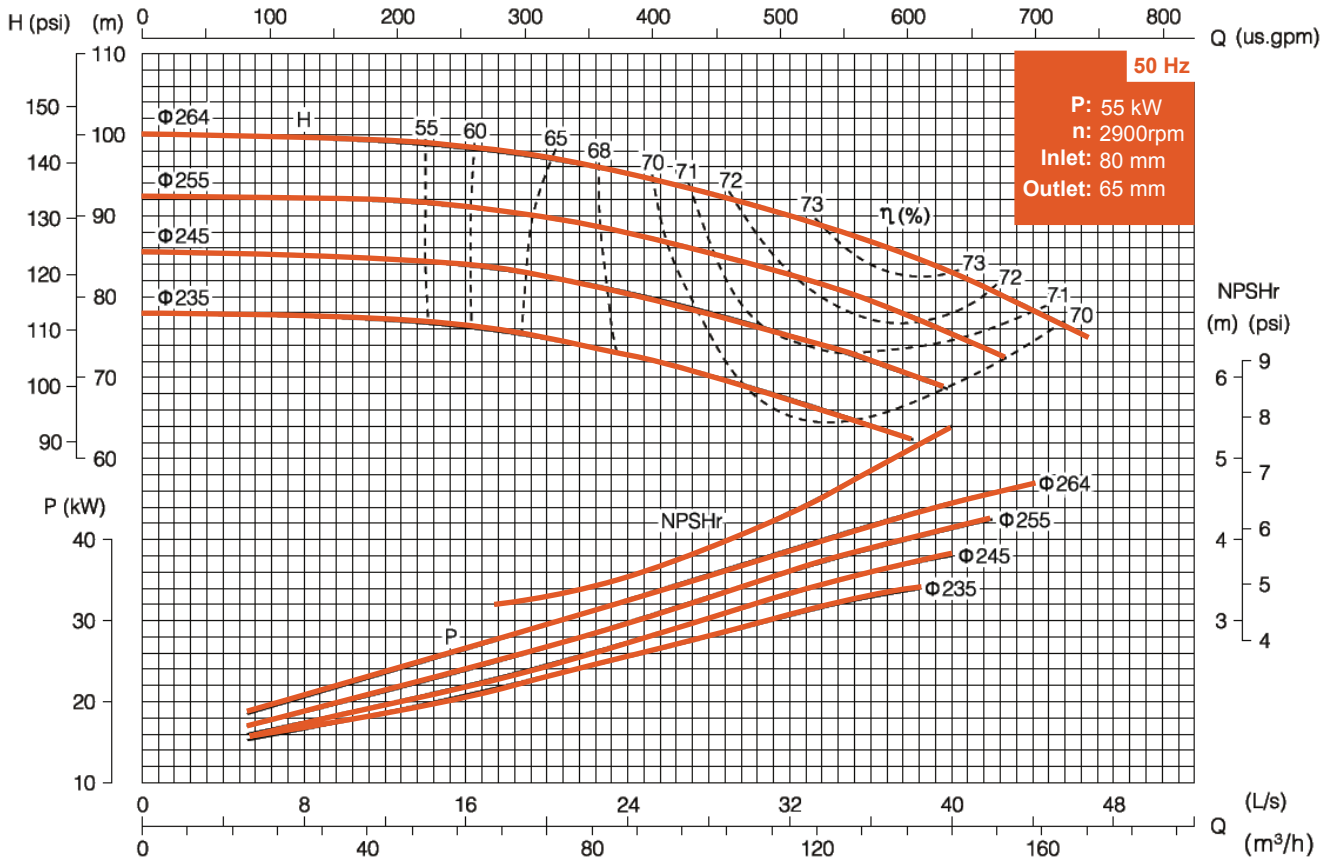
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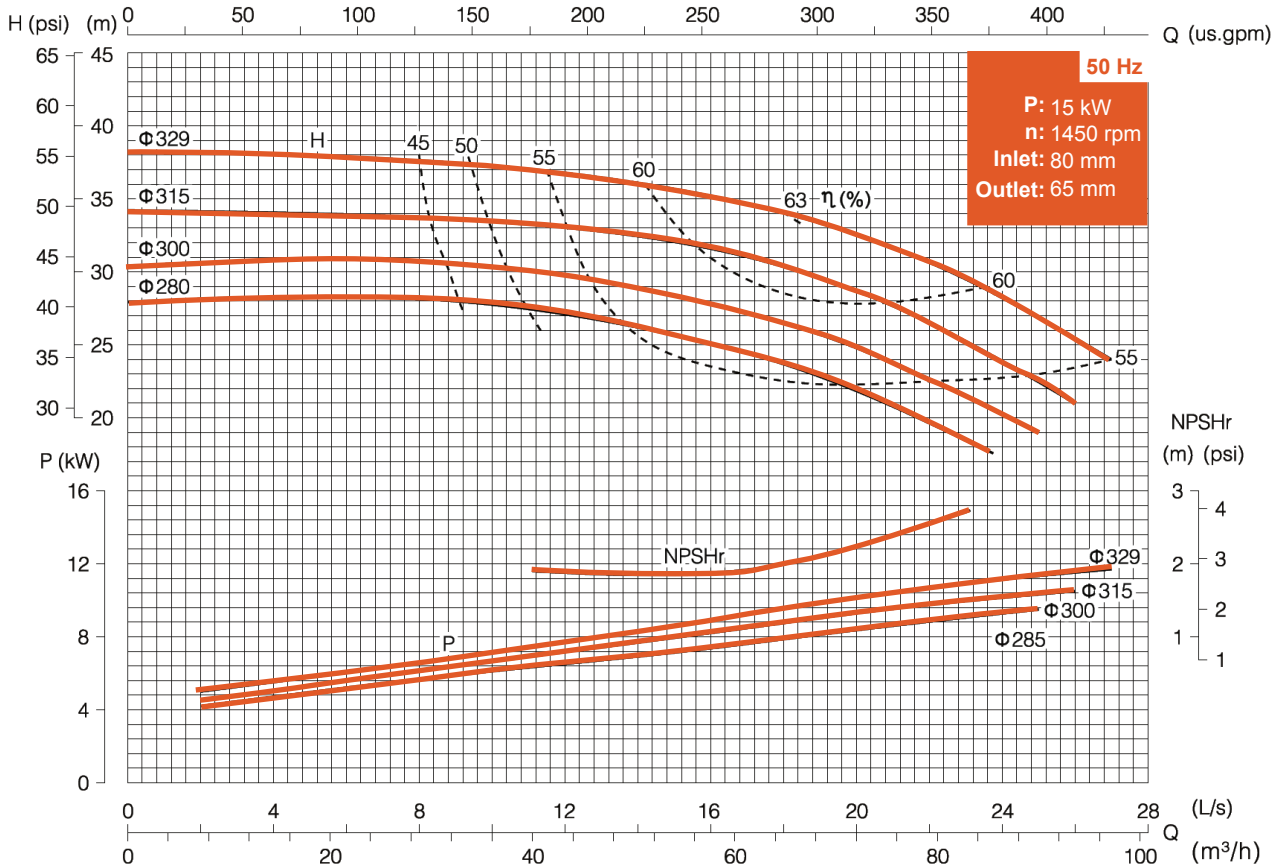
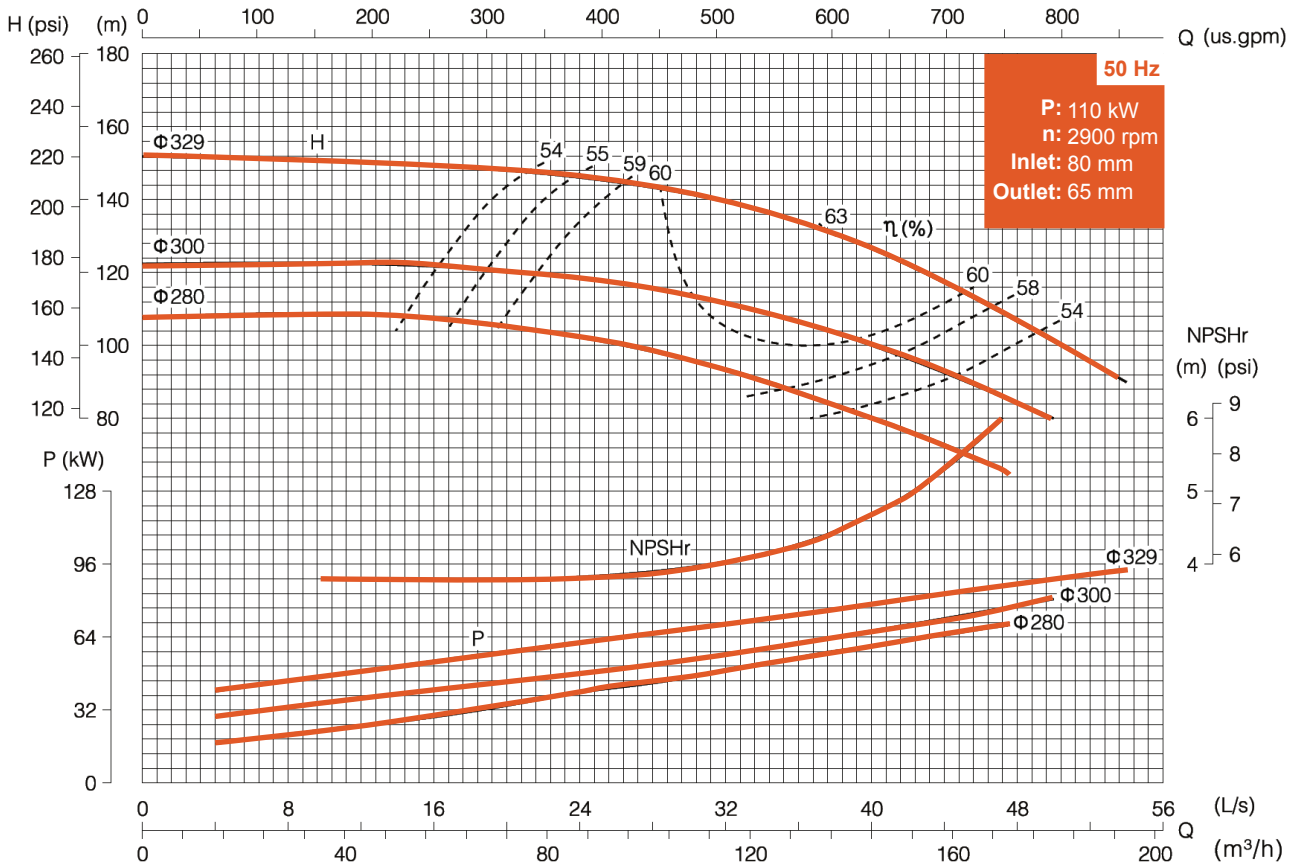
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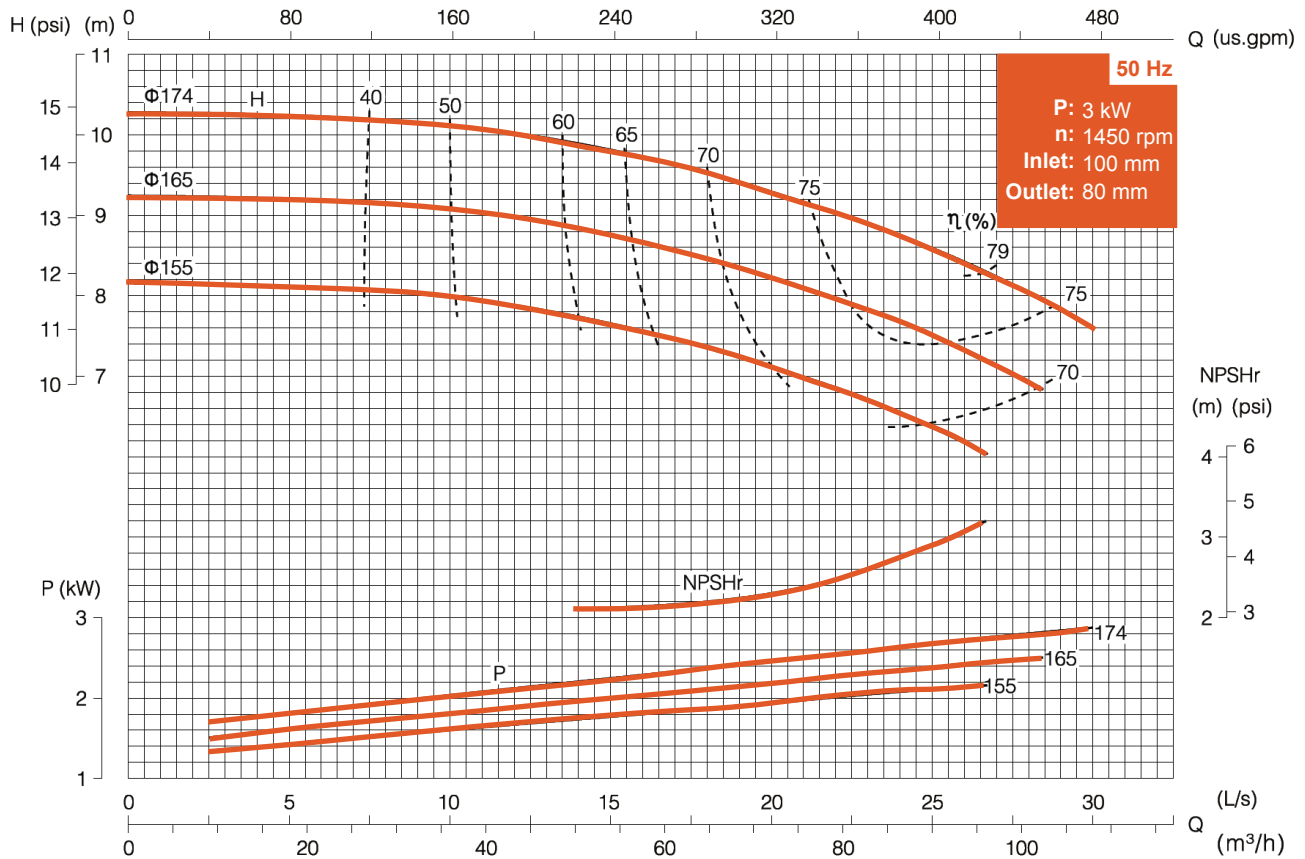
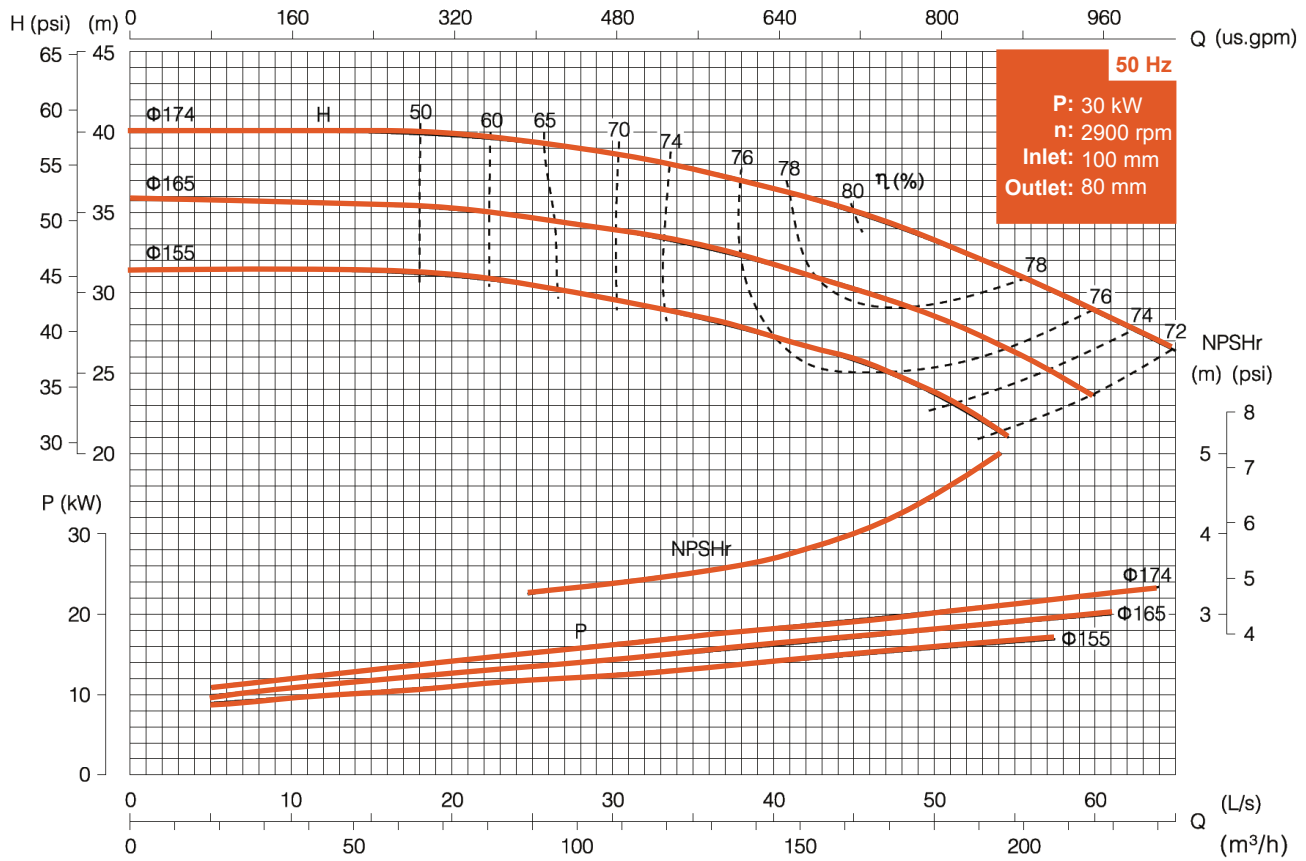
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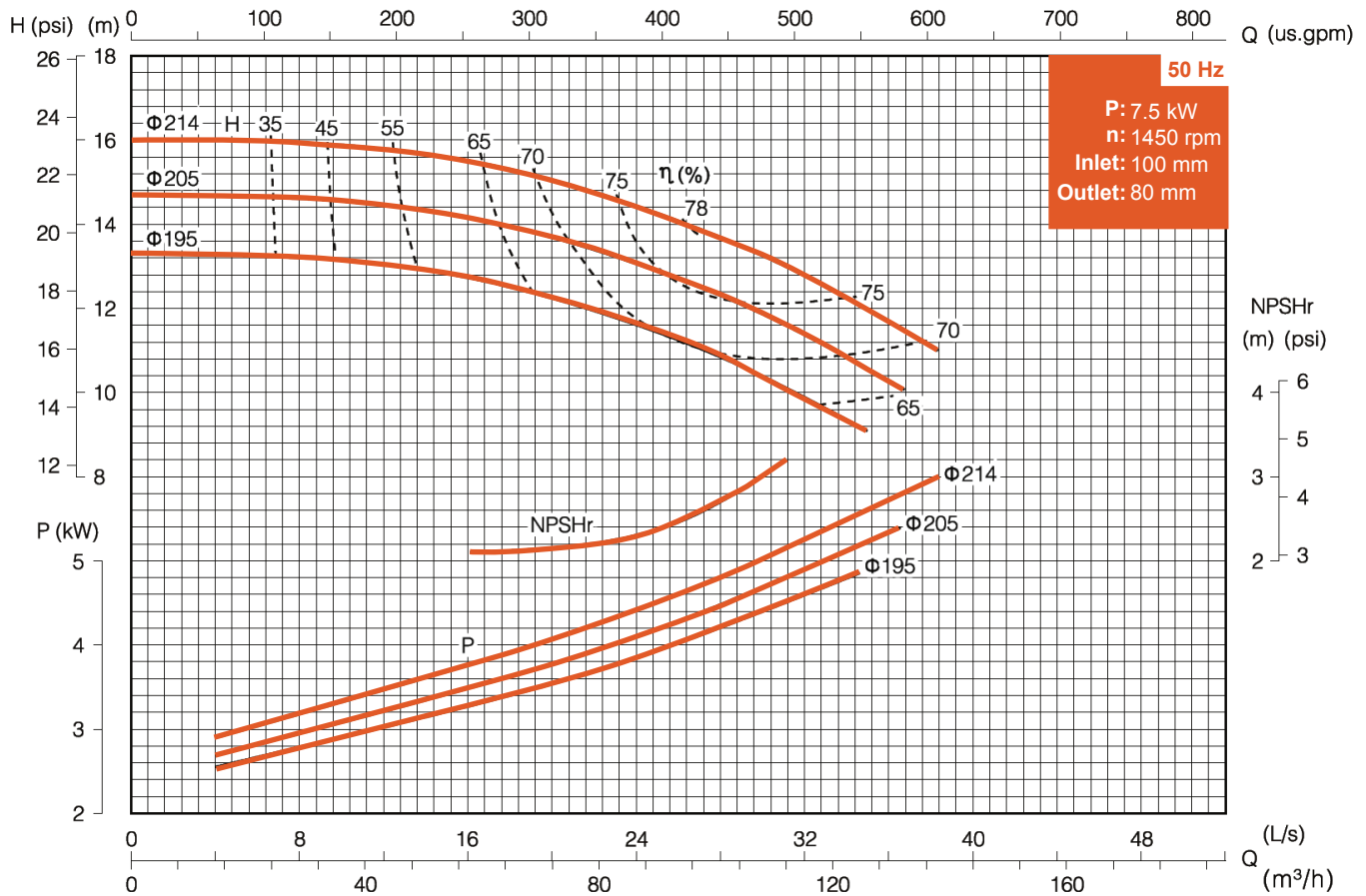
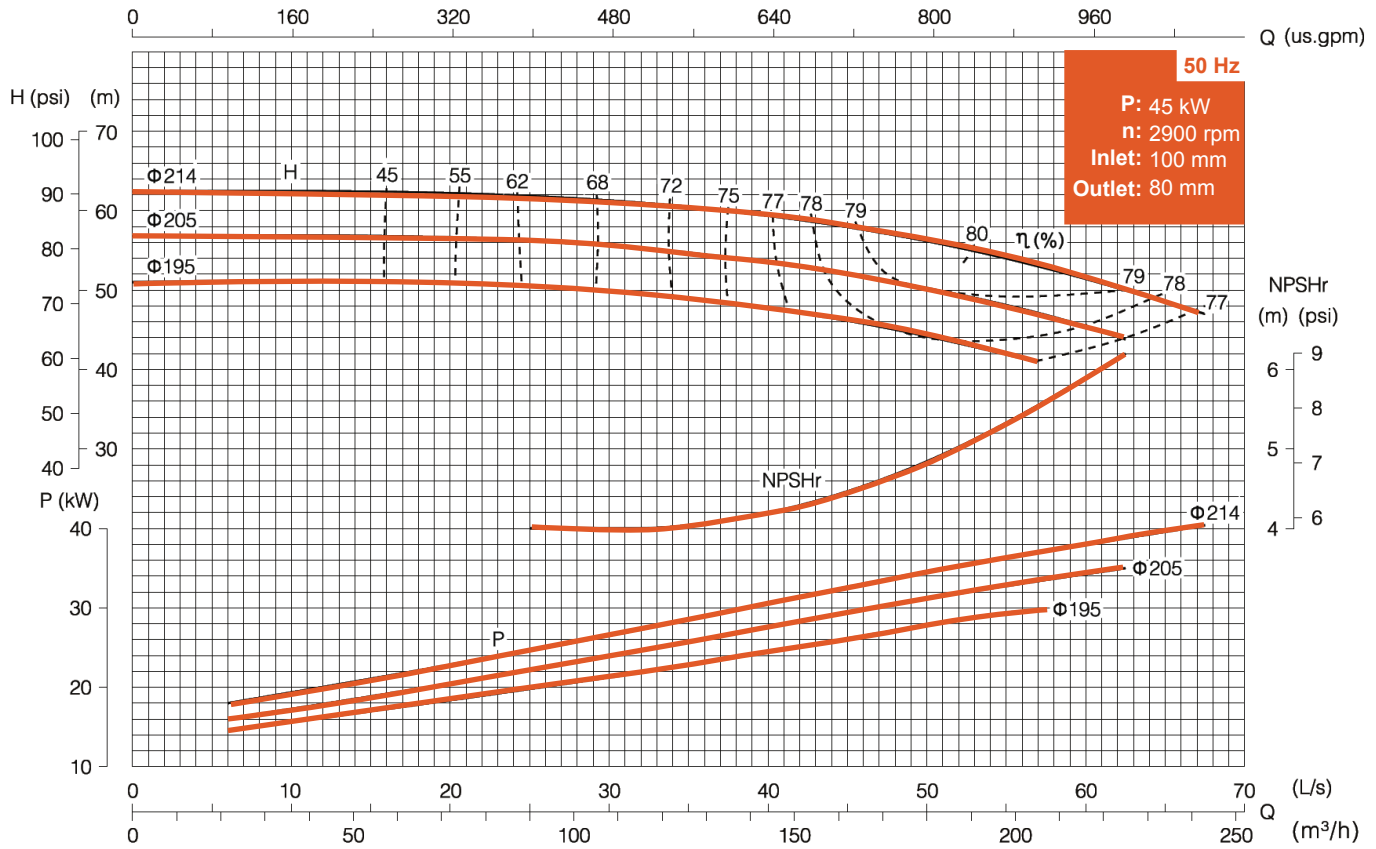
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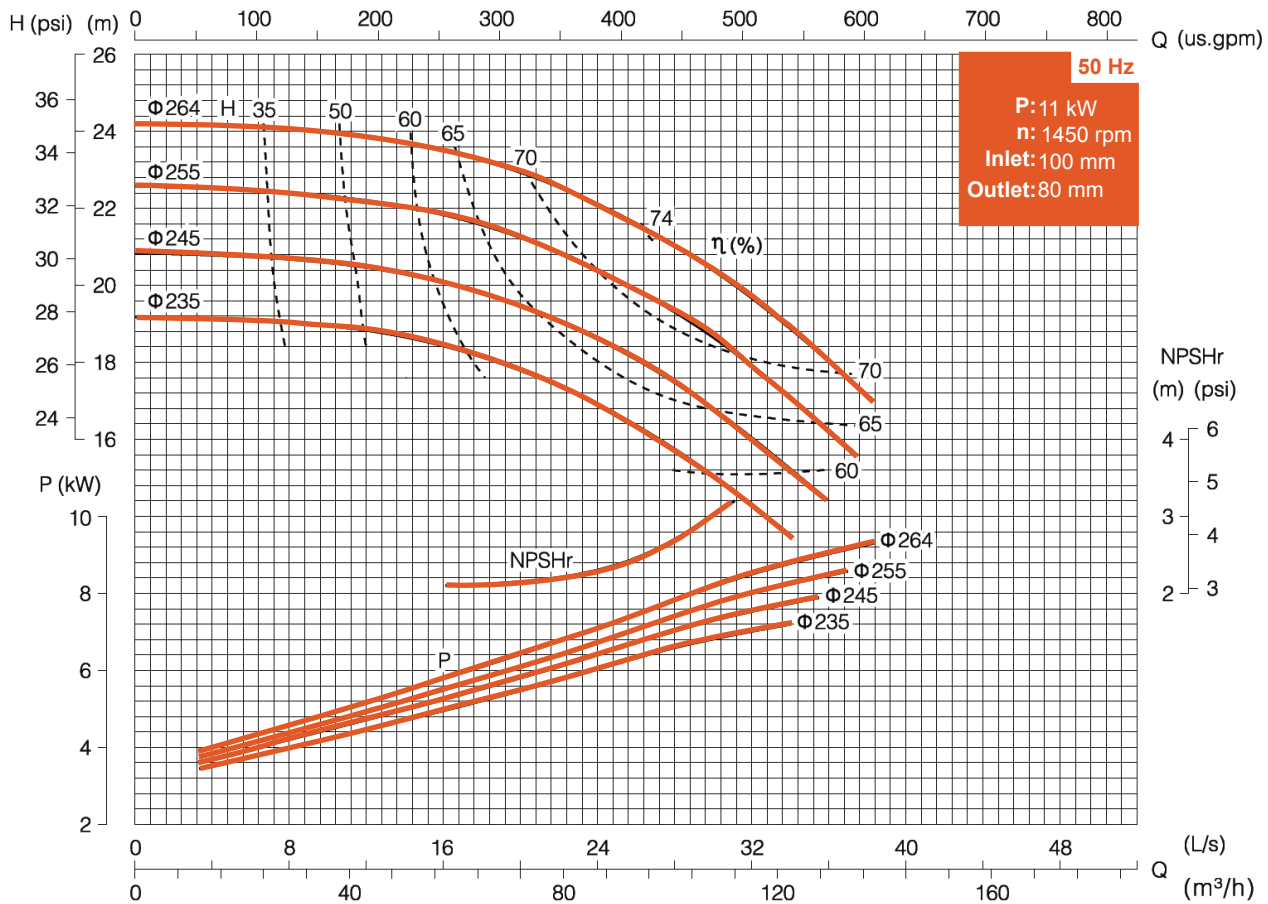
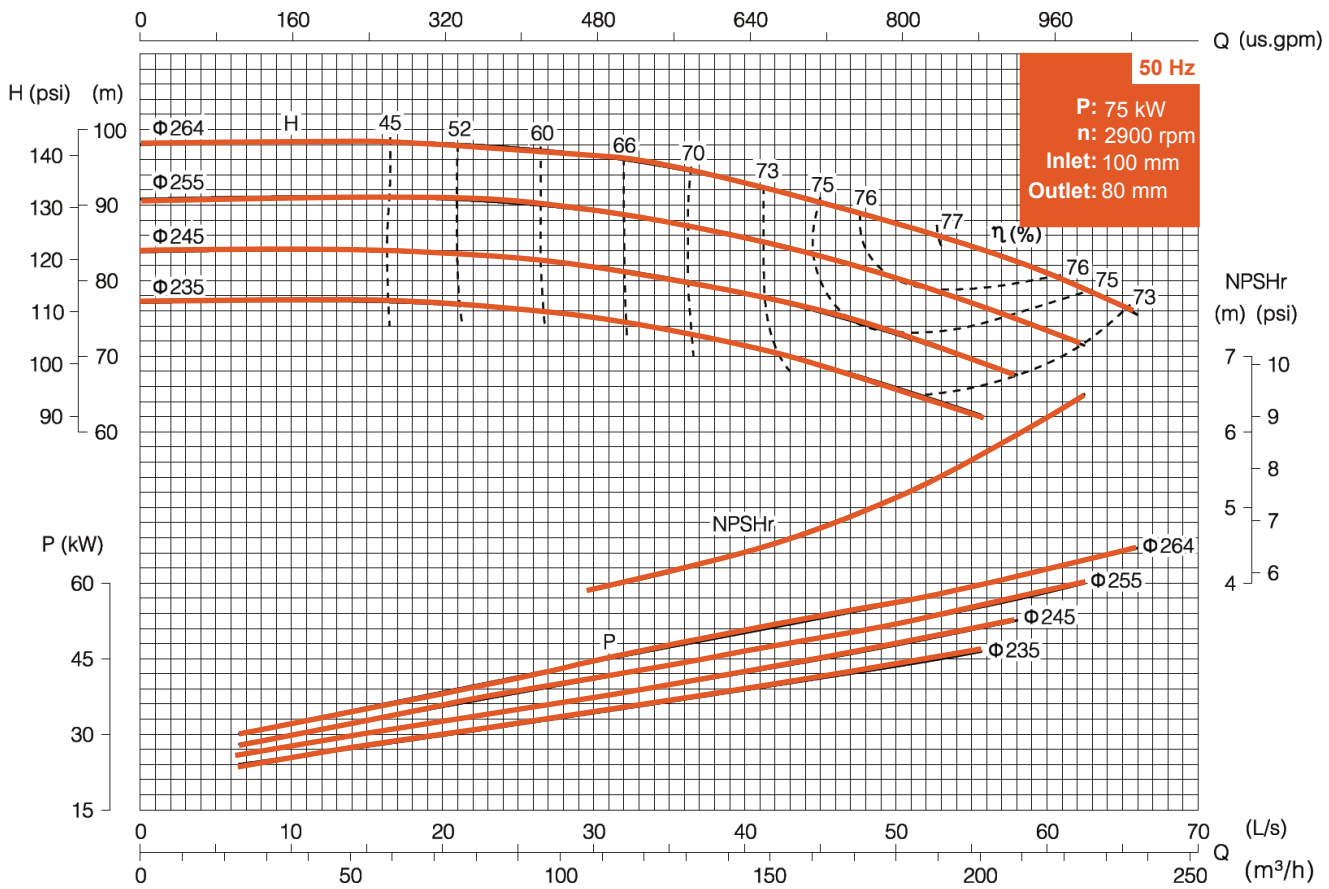
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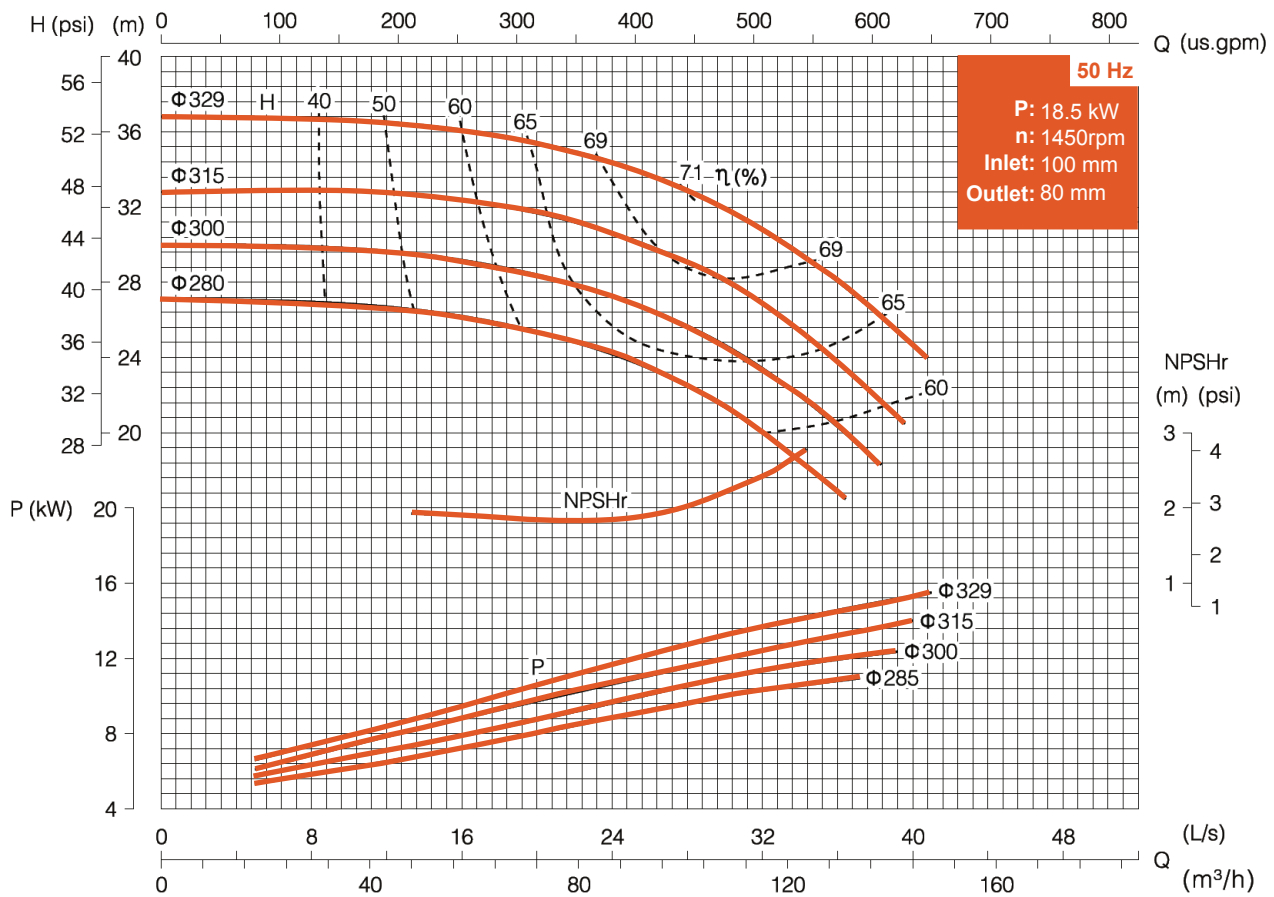
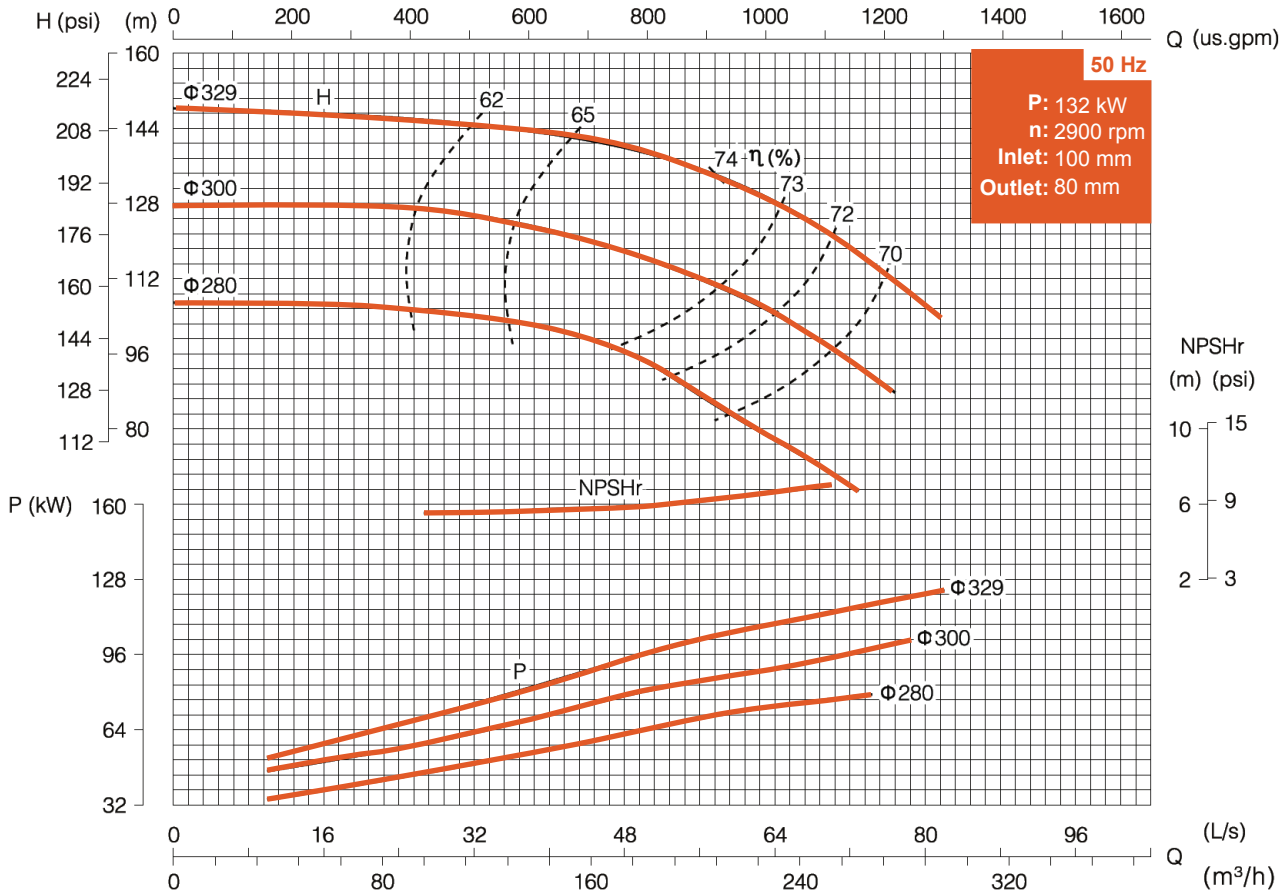
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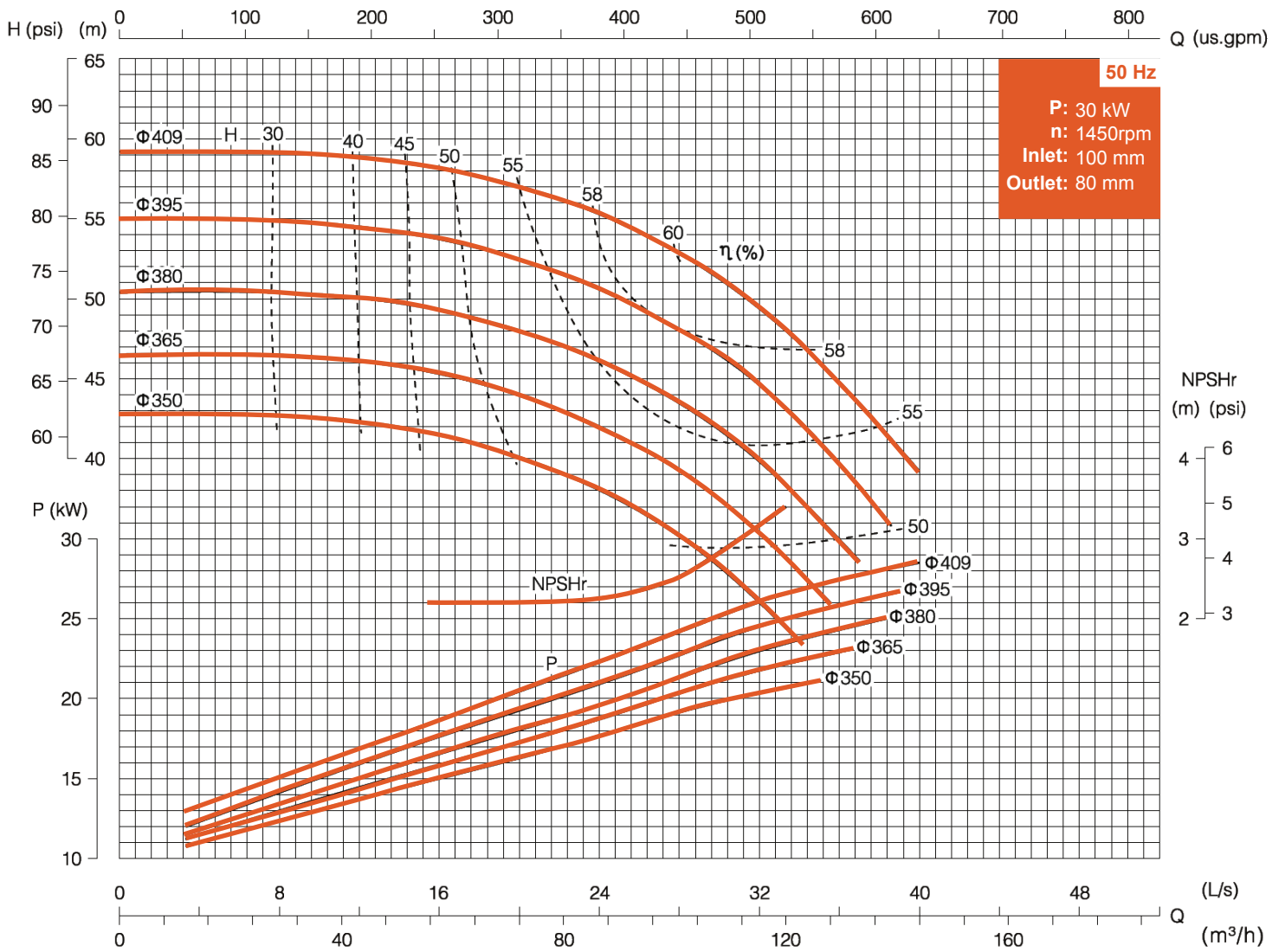
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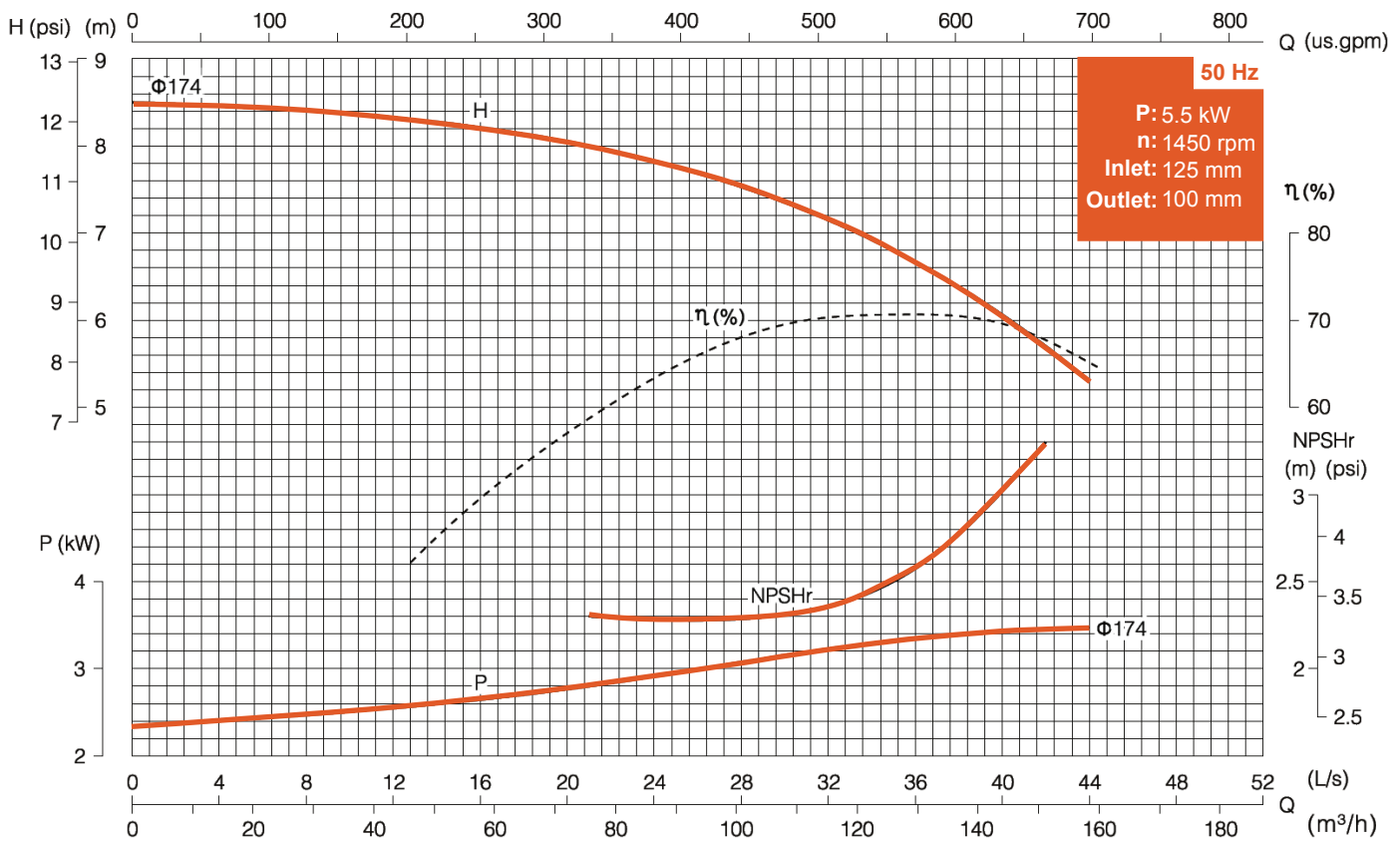
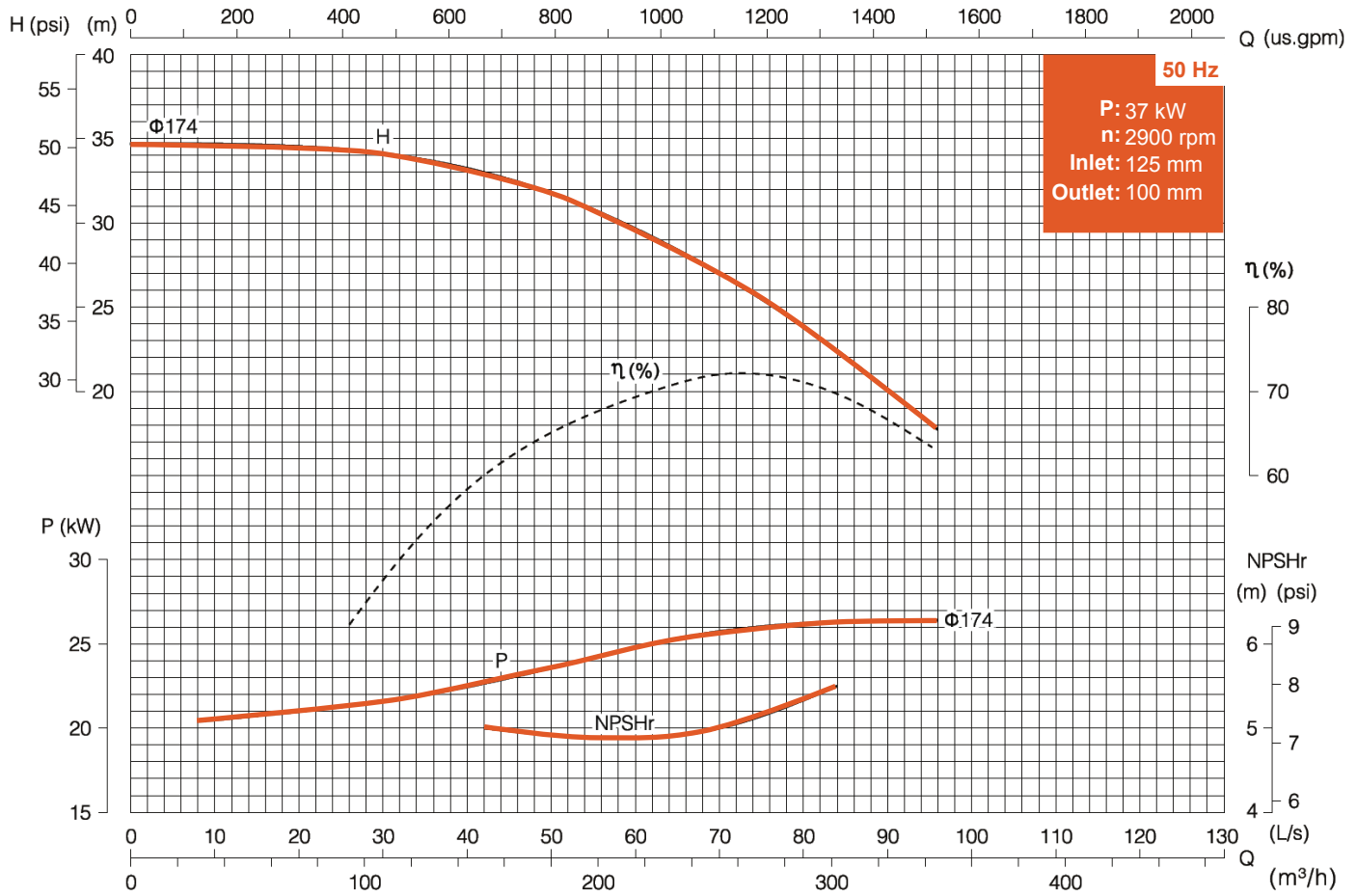
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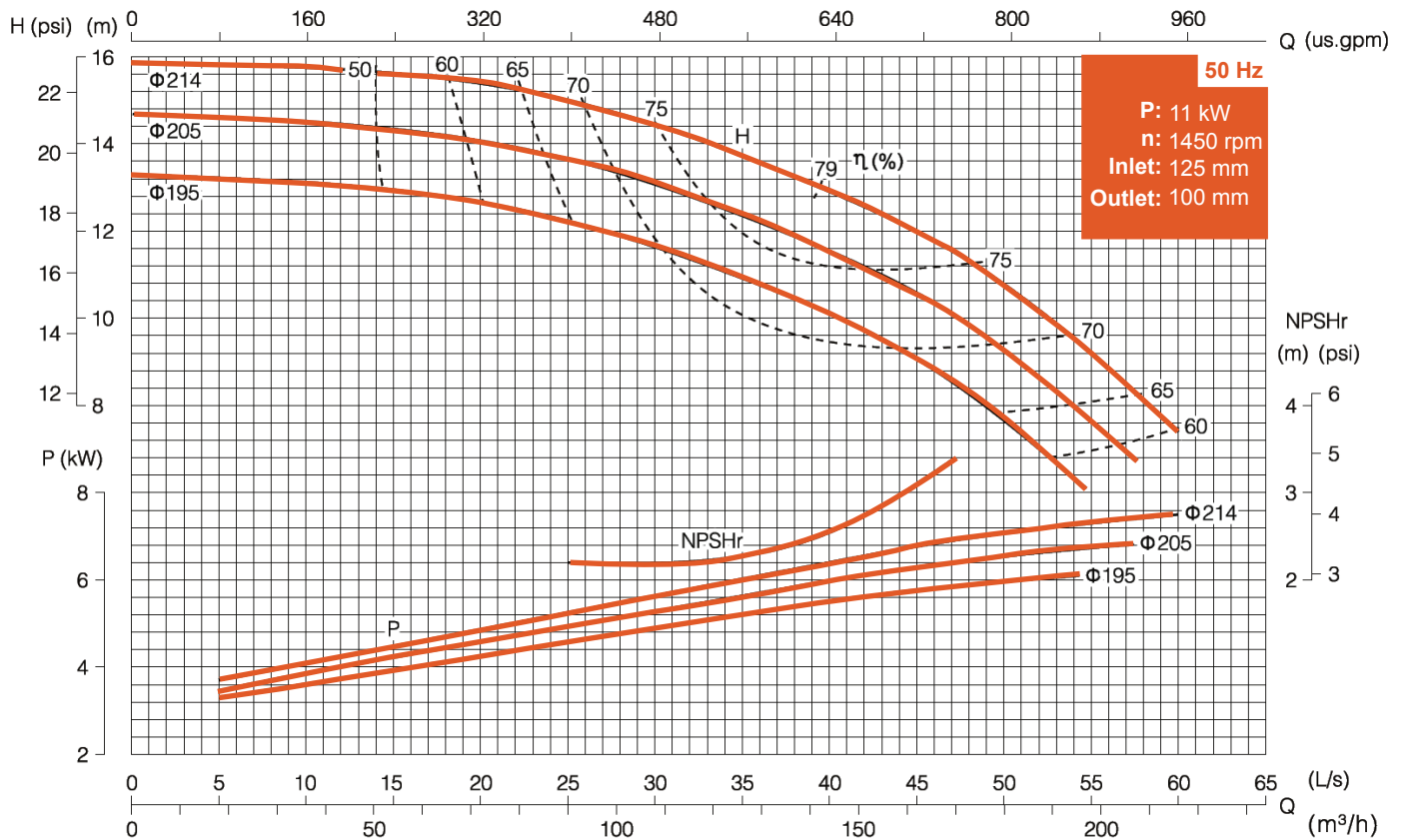
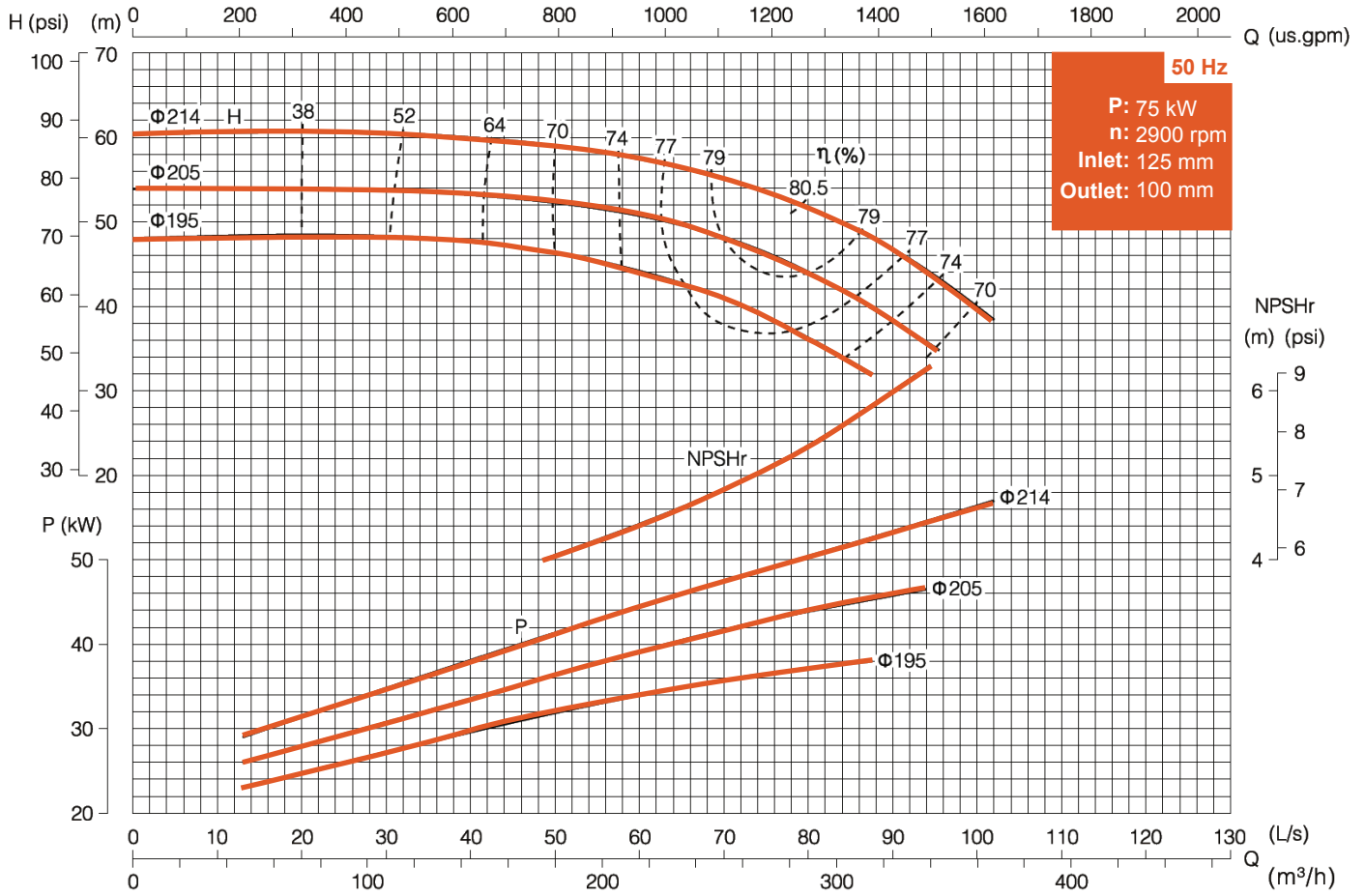
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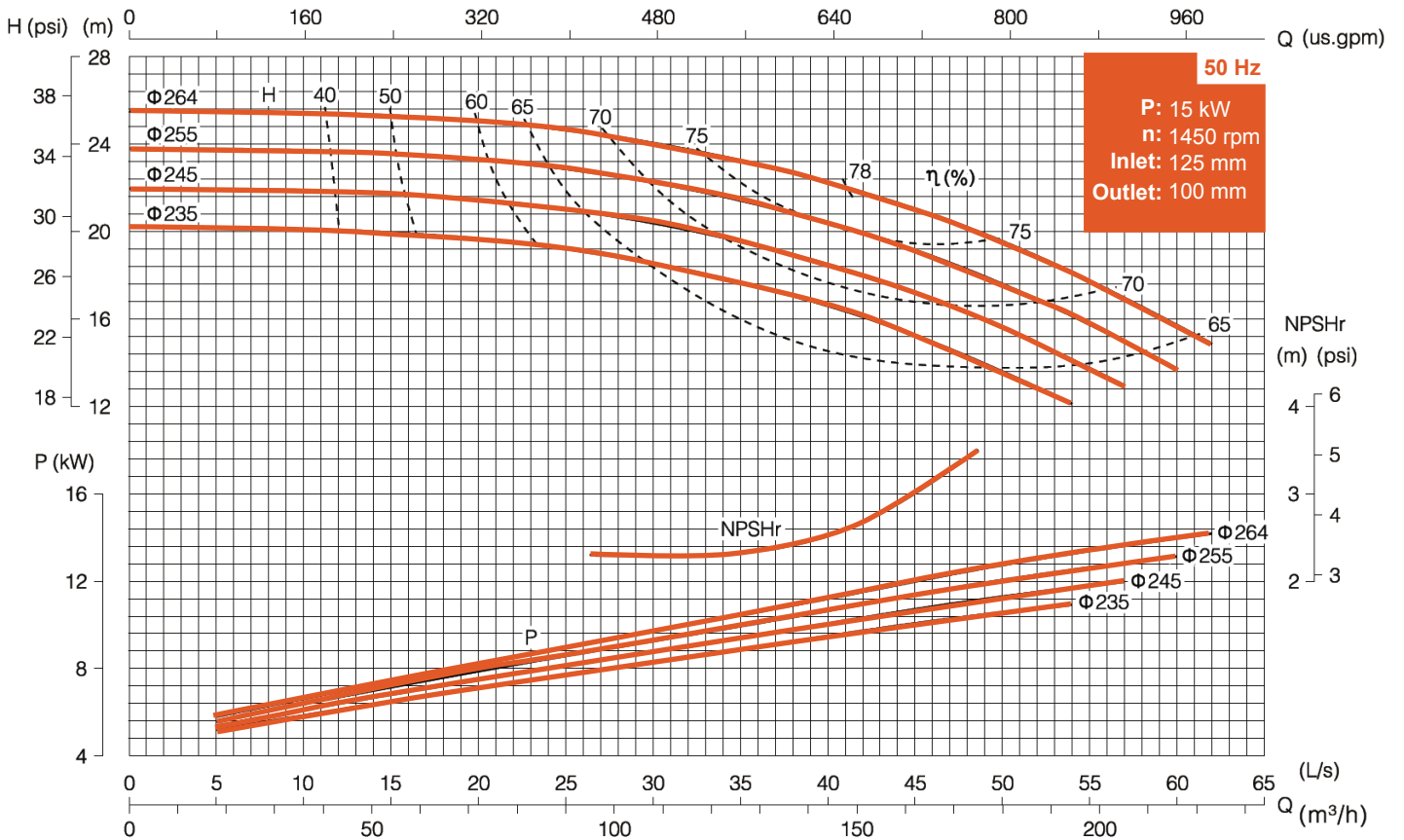
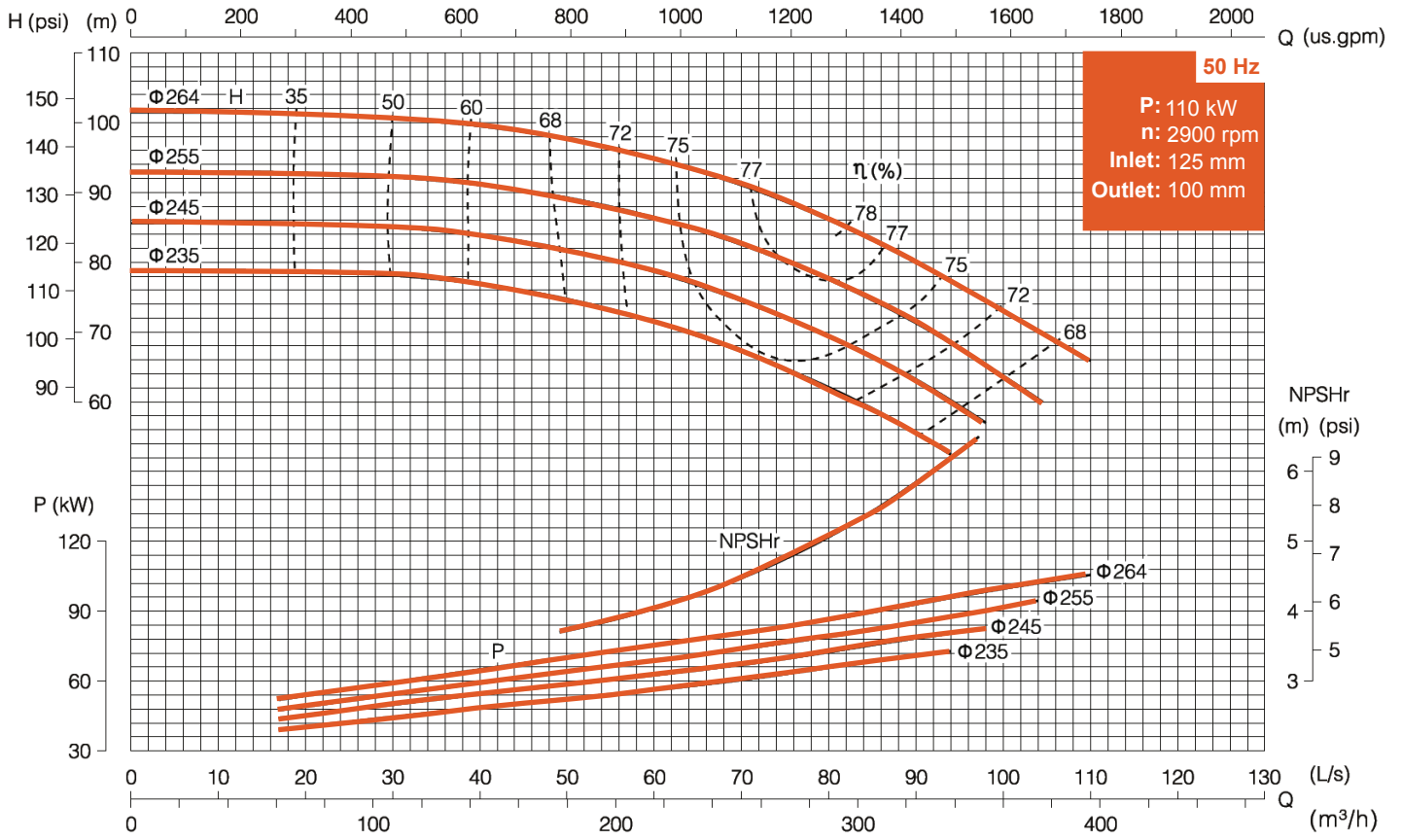
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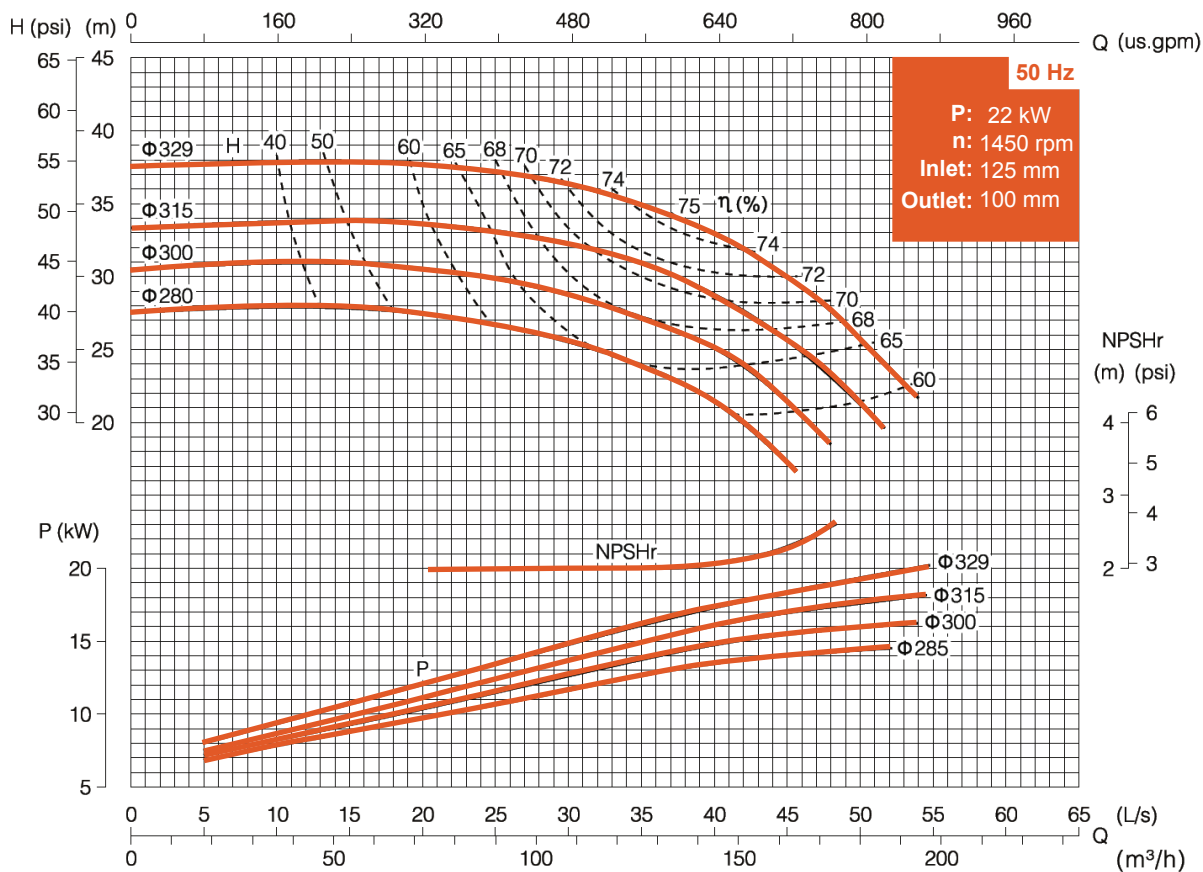
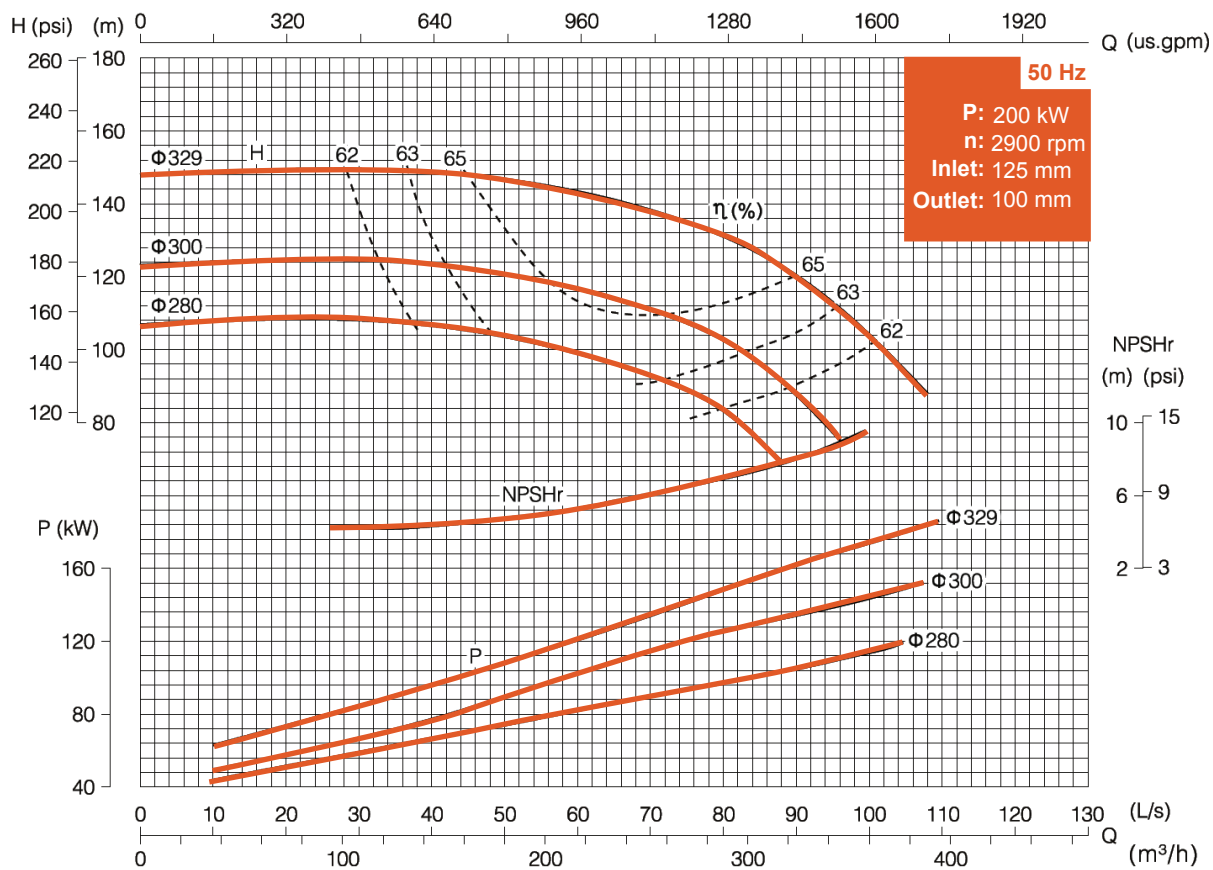
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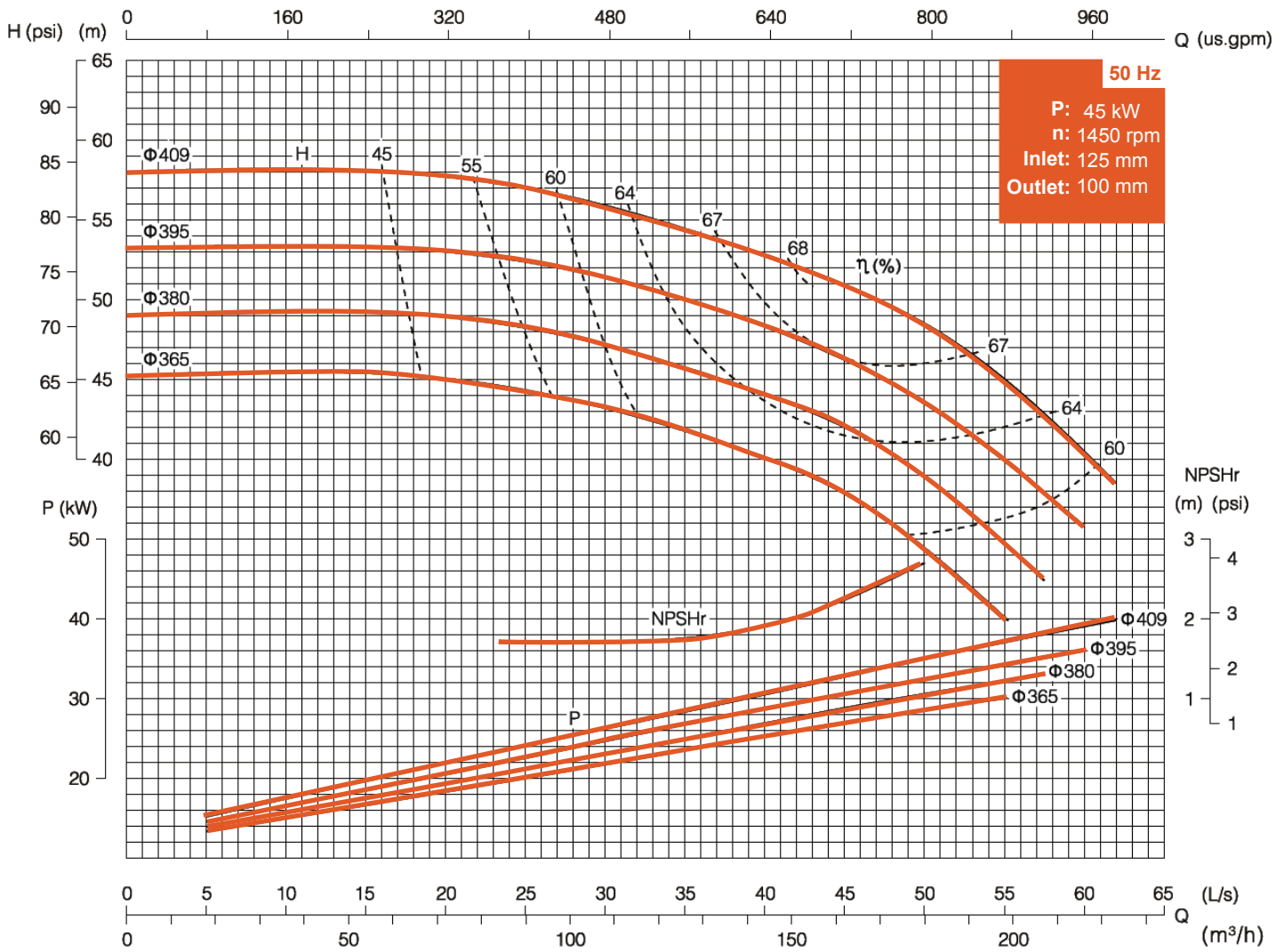
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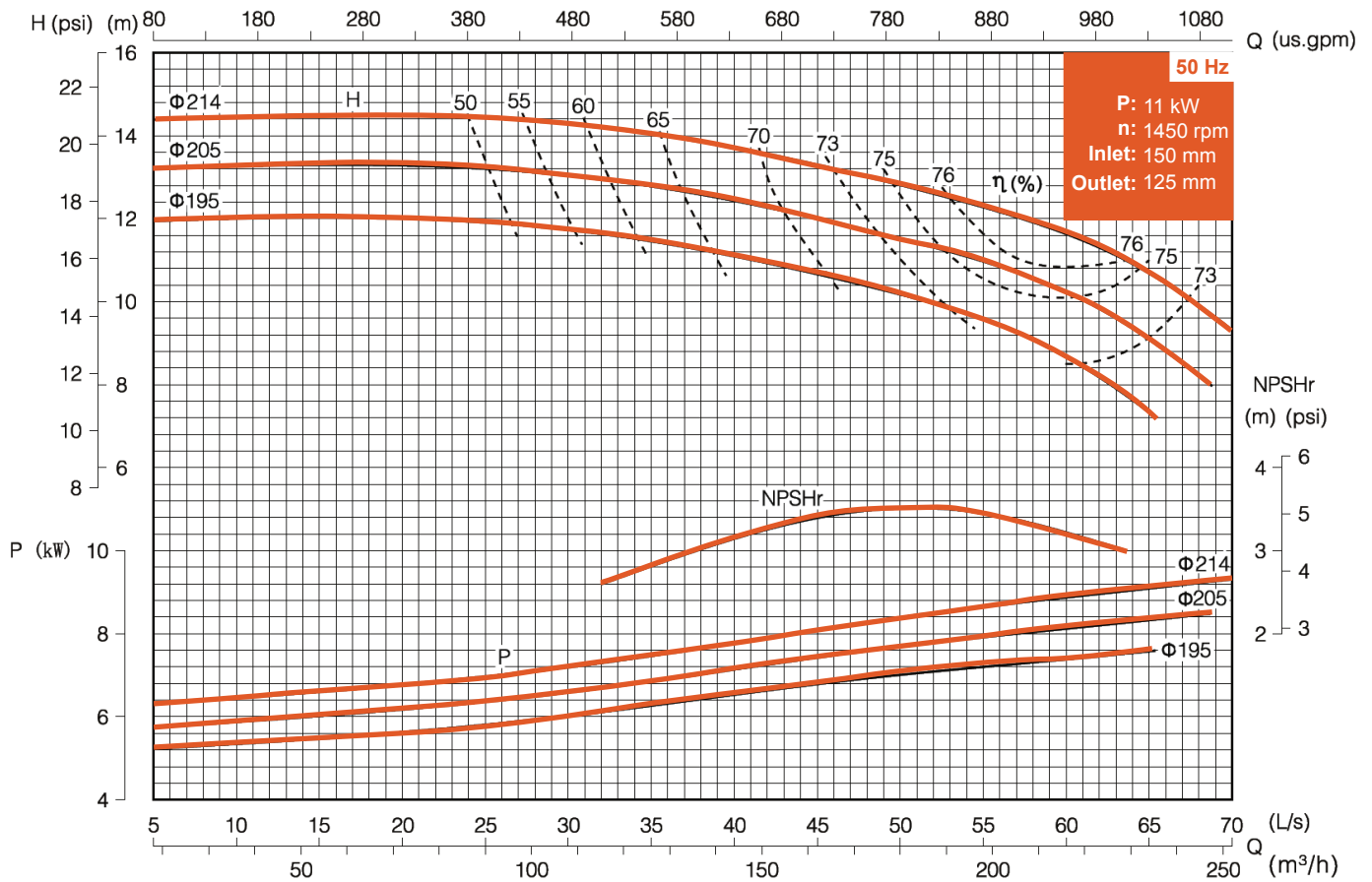
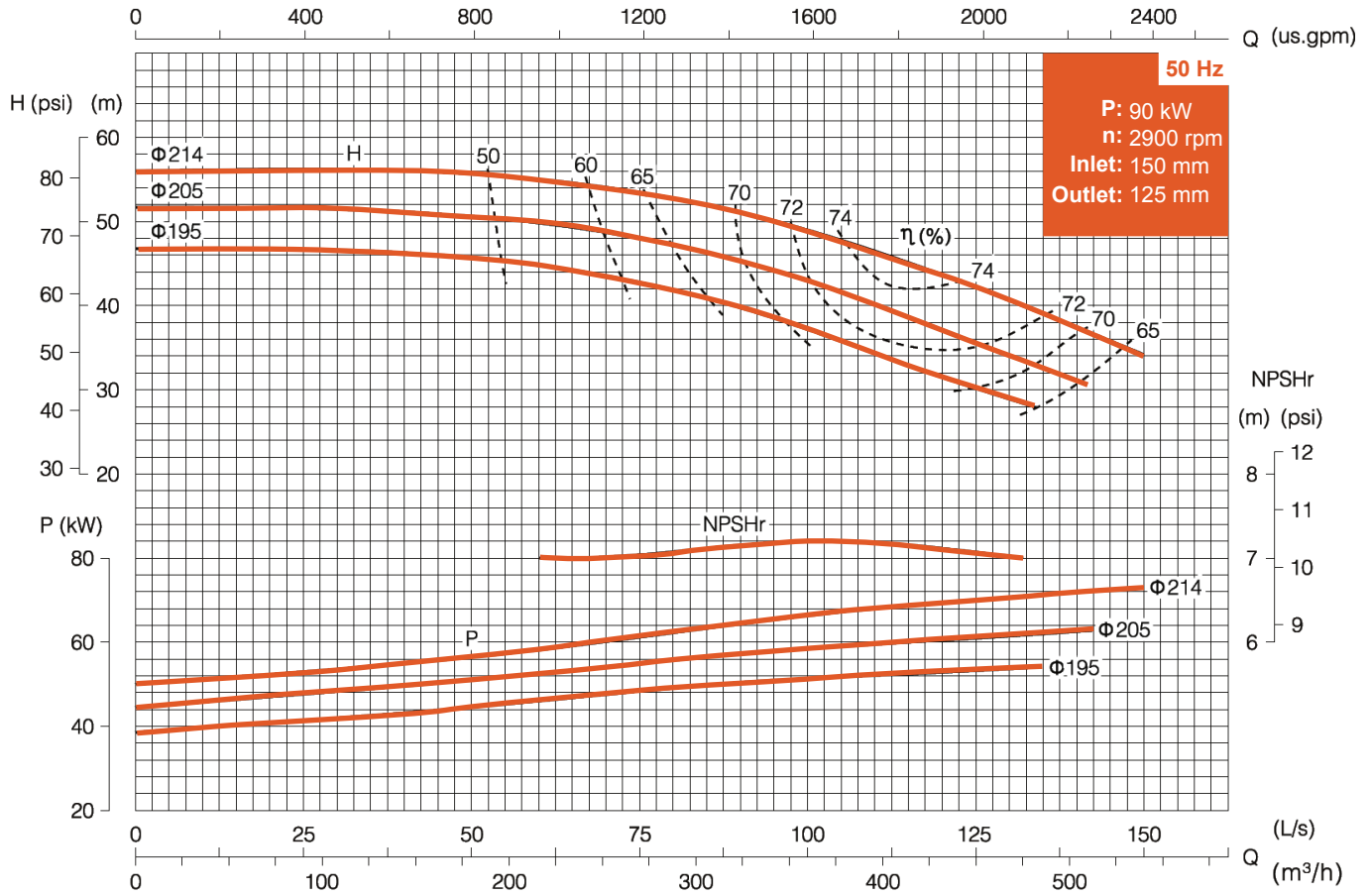
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END SUCTION PUMP

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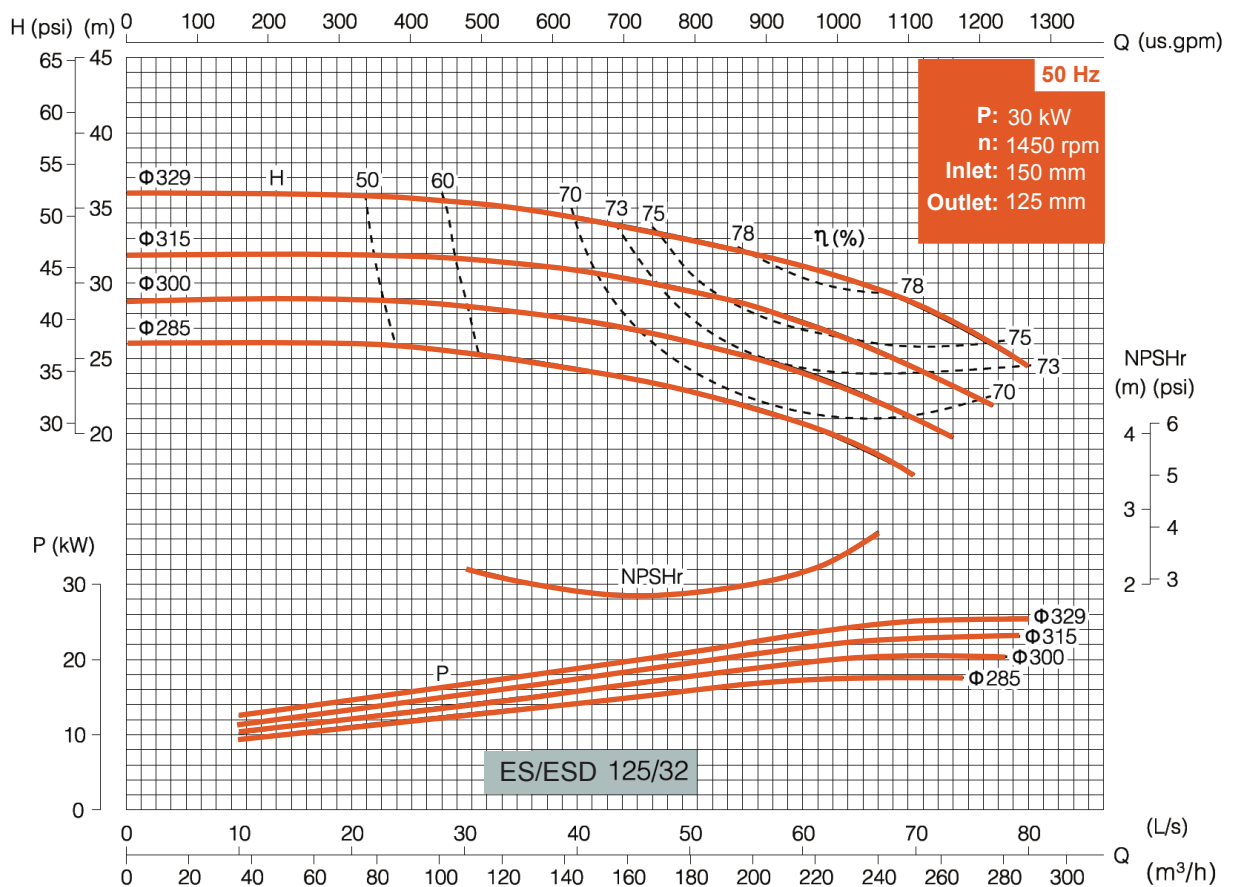
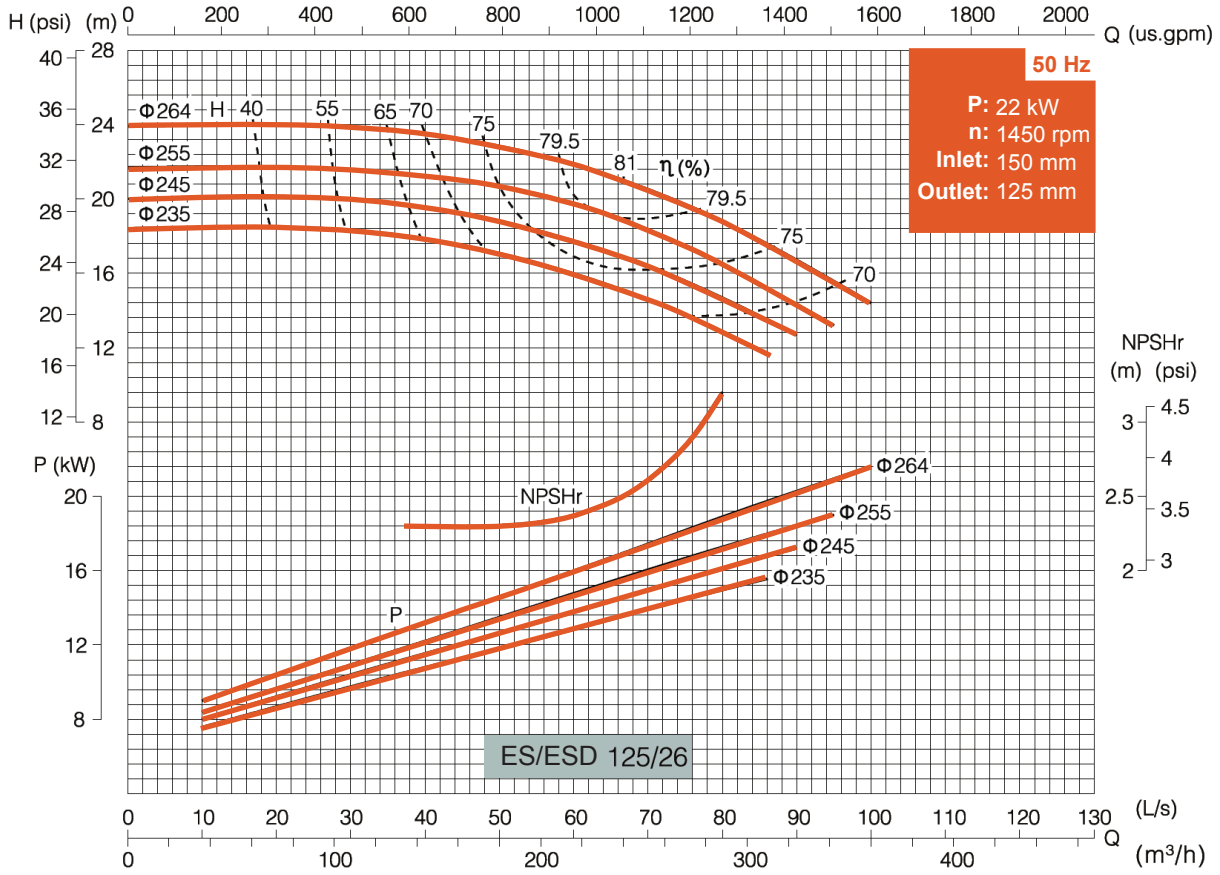


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END SUCTION PUMP

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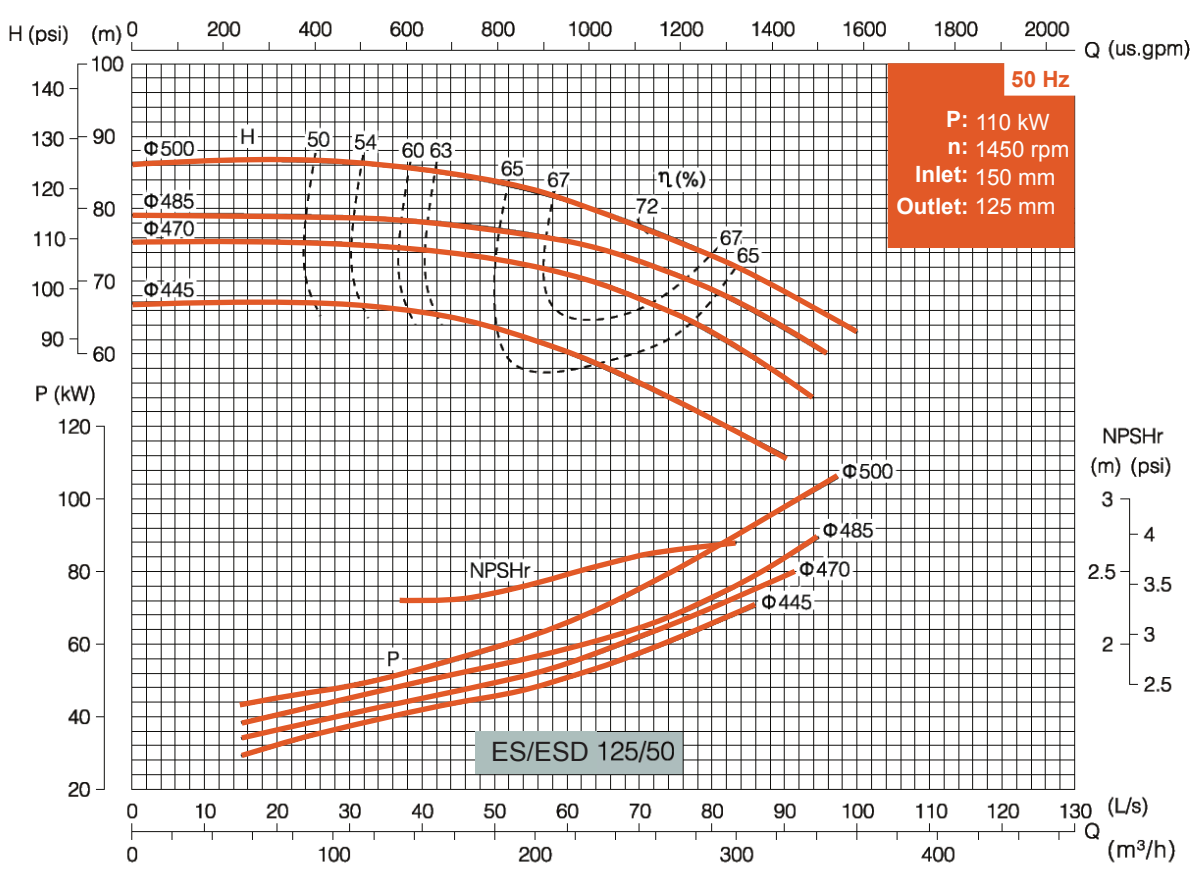
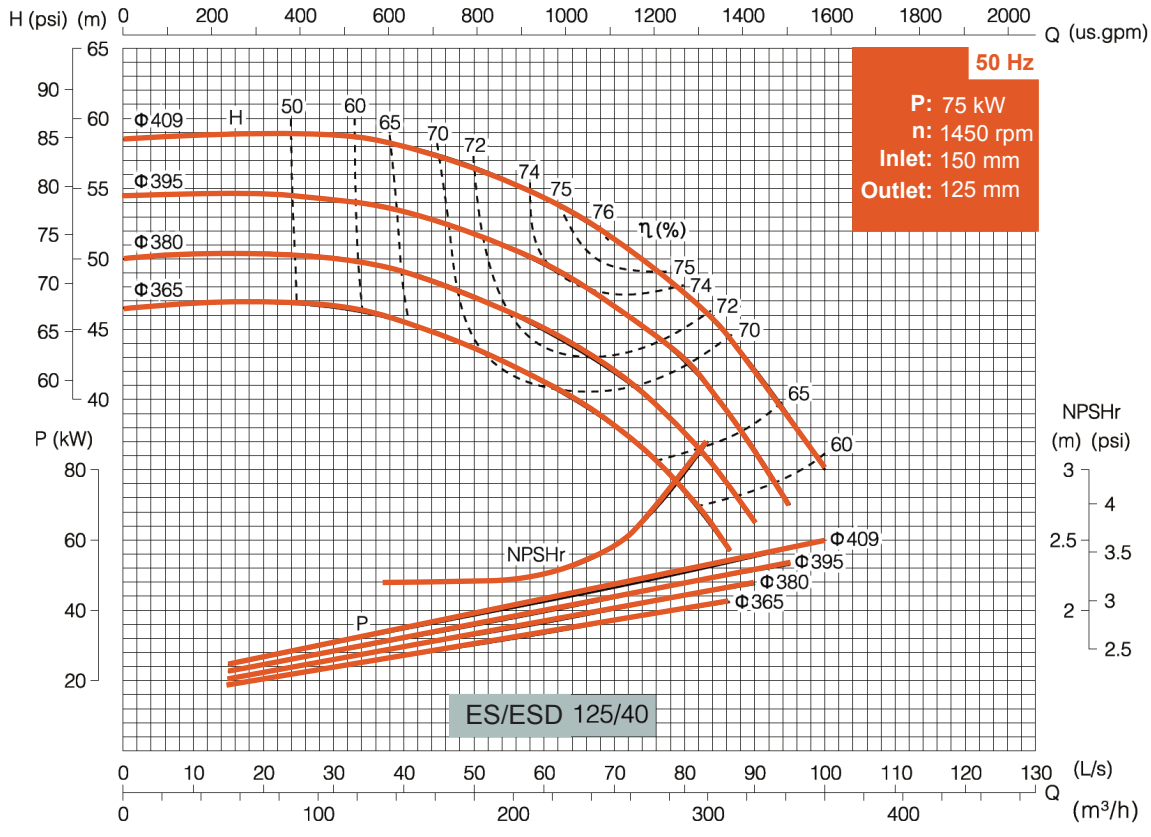


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END SUCTION PUMP

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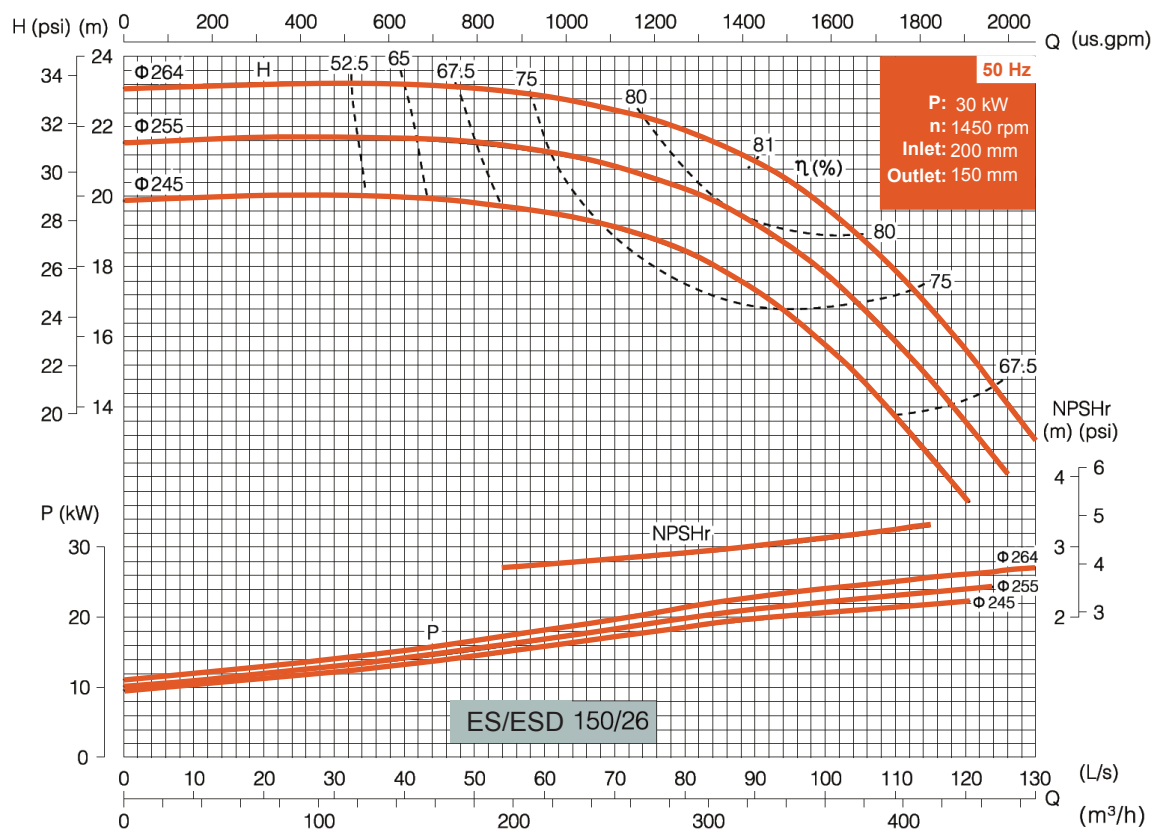
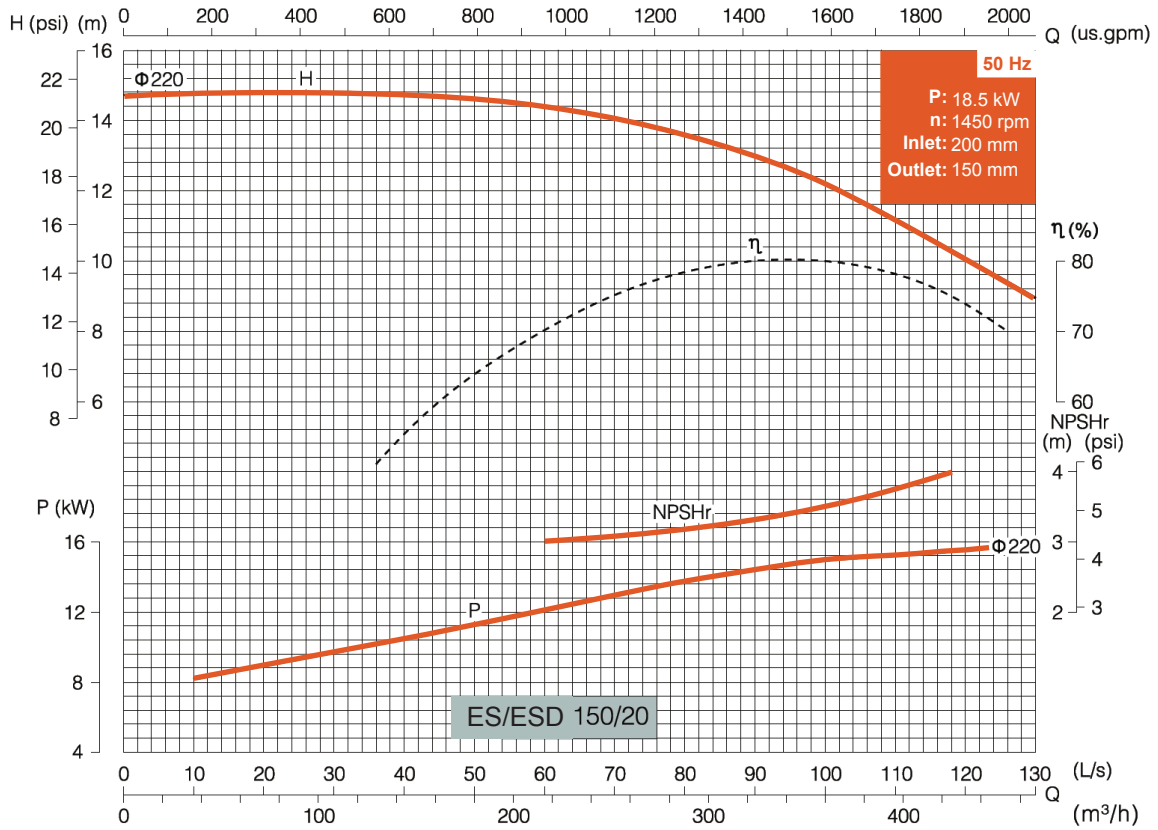


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END SUCTION PUMP

150/20

150/26

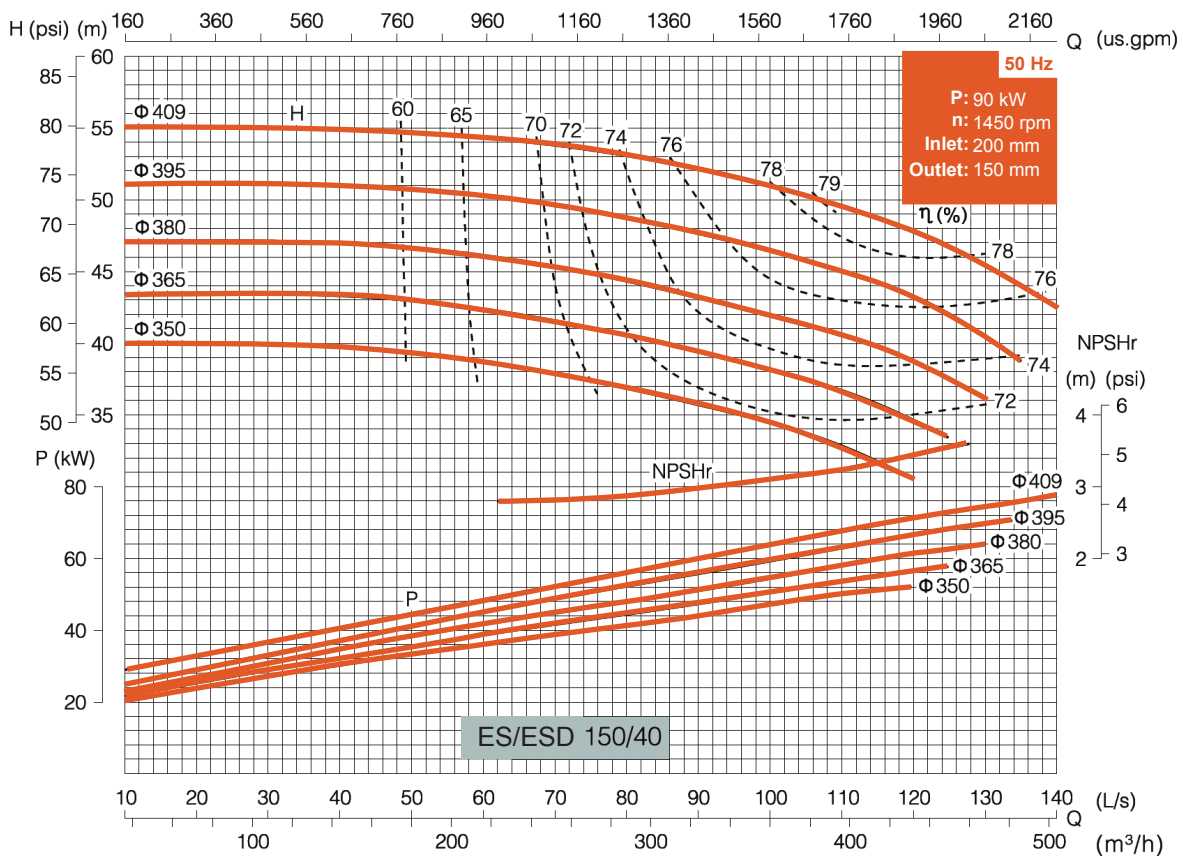
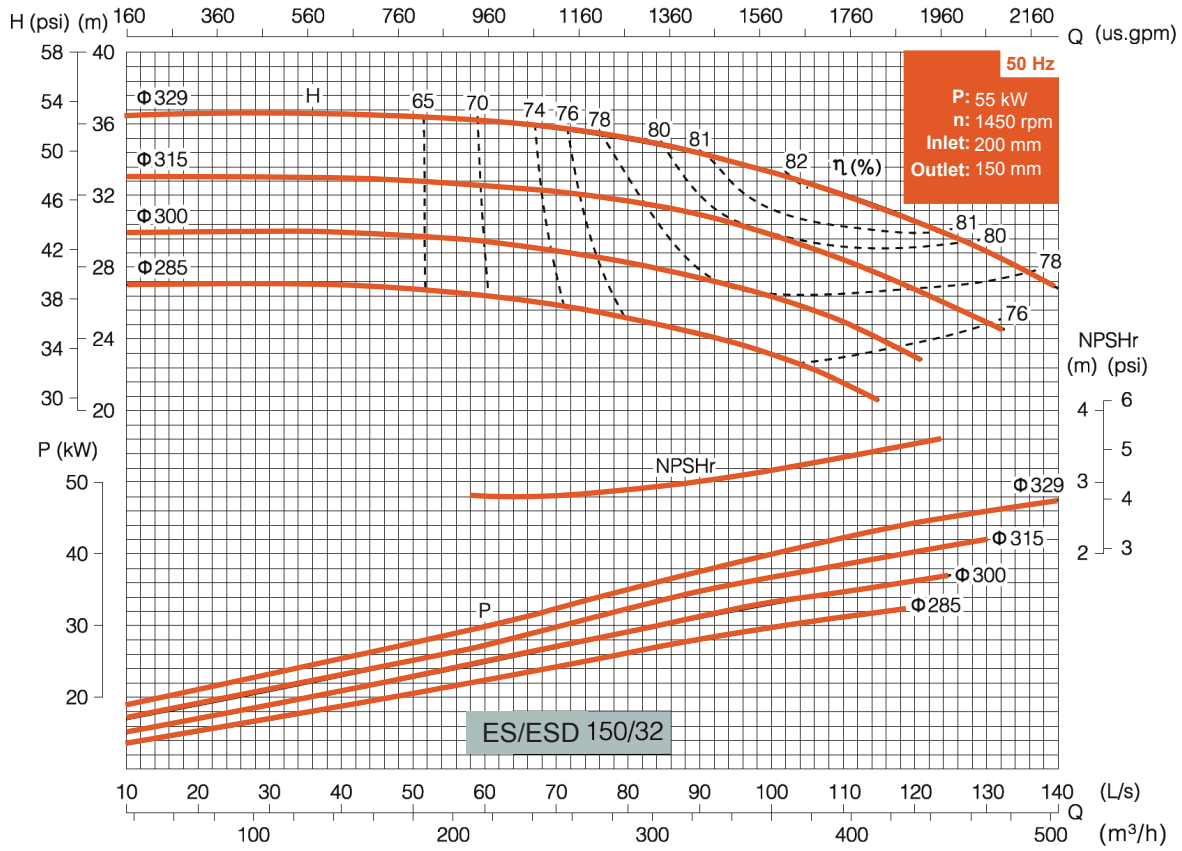


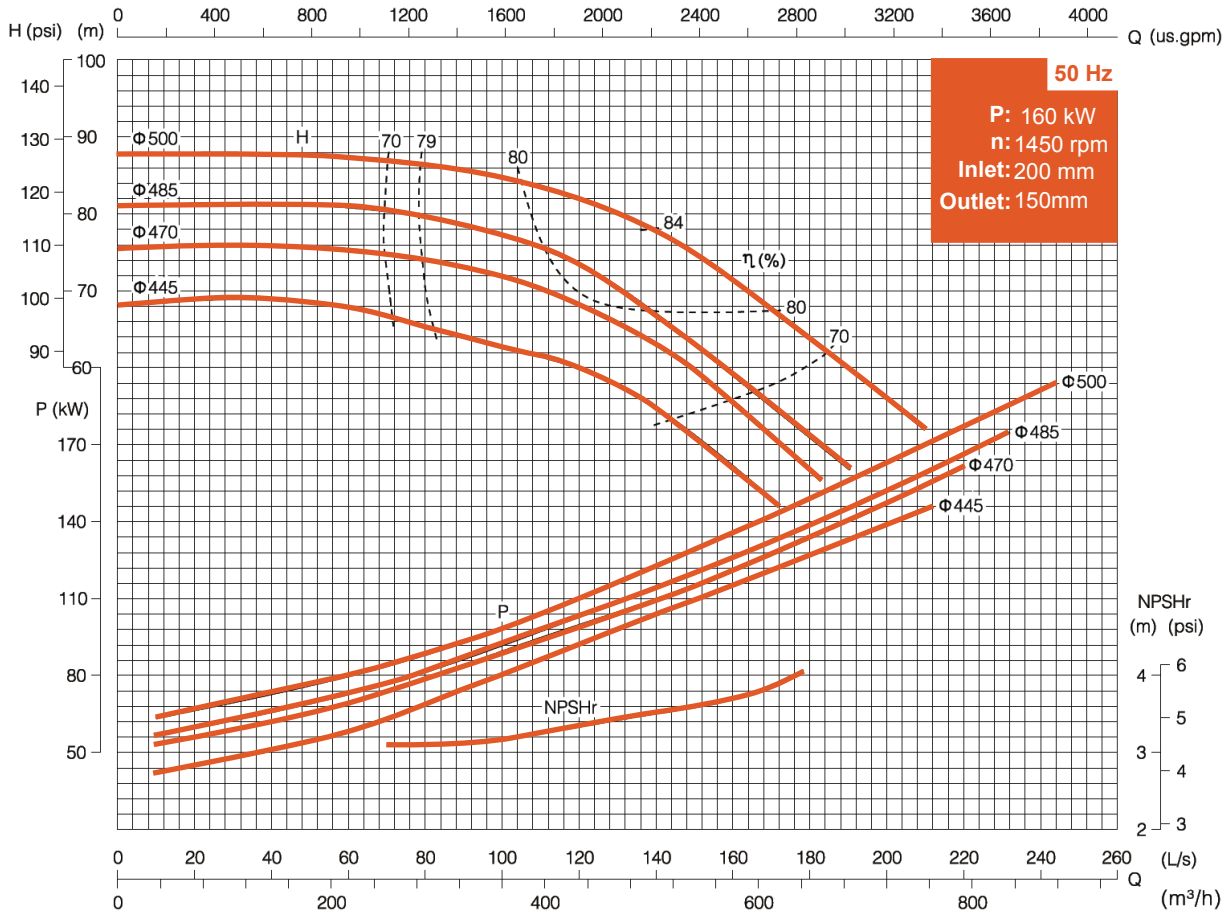
ES/ESD

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150/32

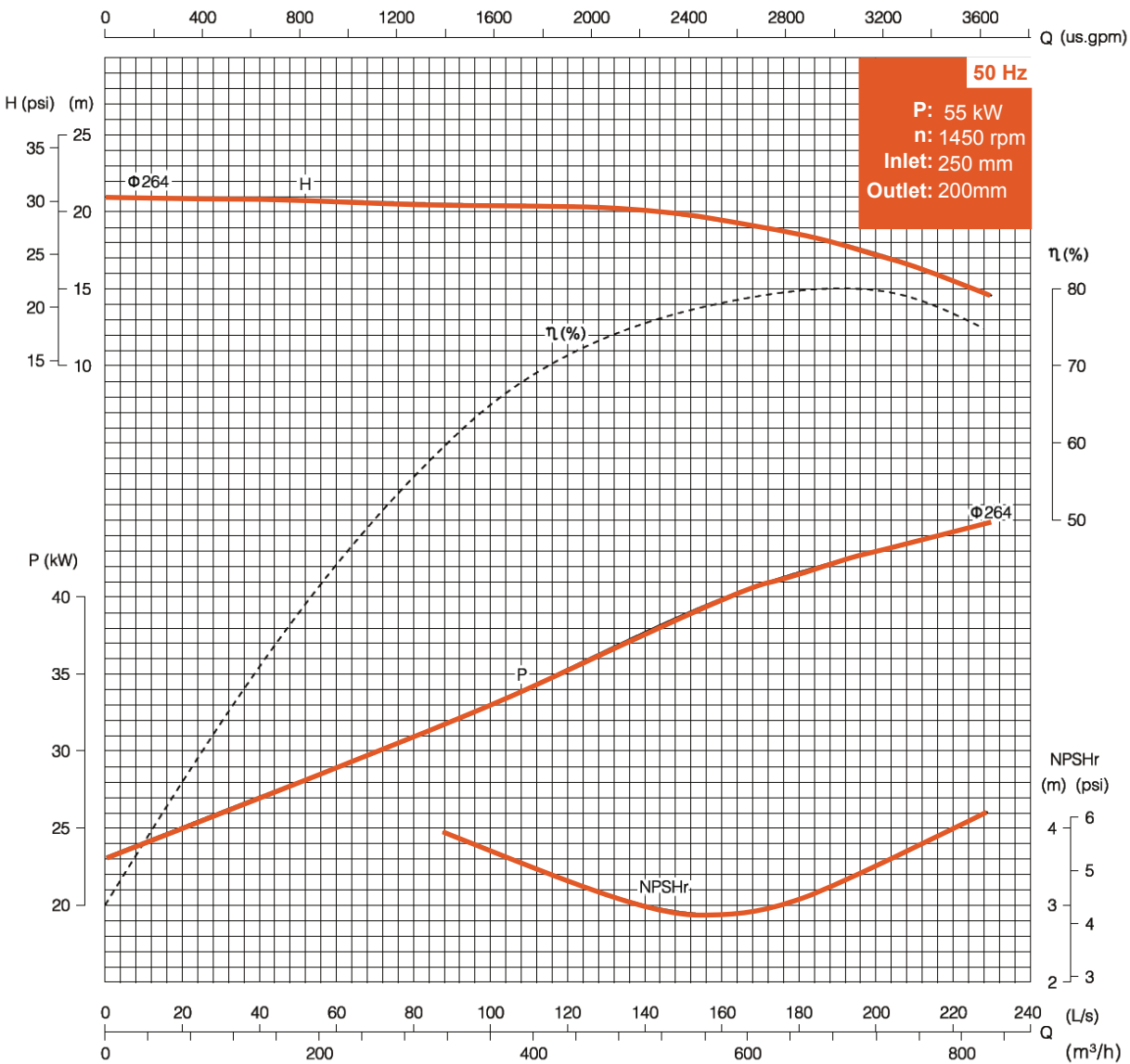
150/40





150/50

ES/ESD
 END SUCTION PUMP



200/26

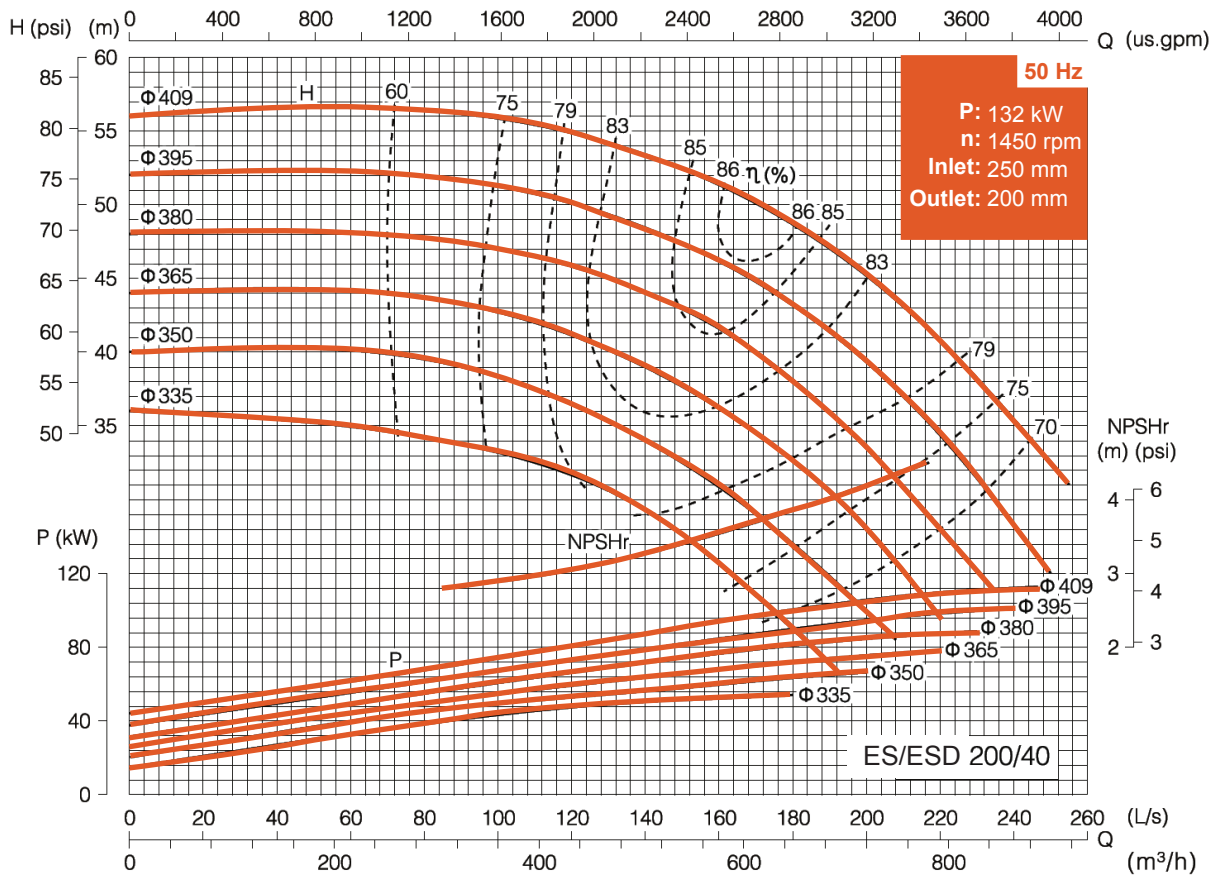
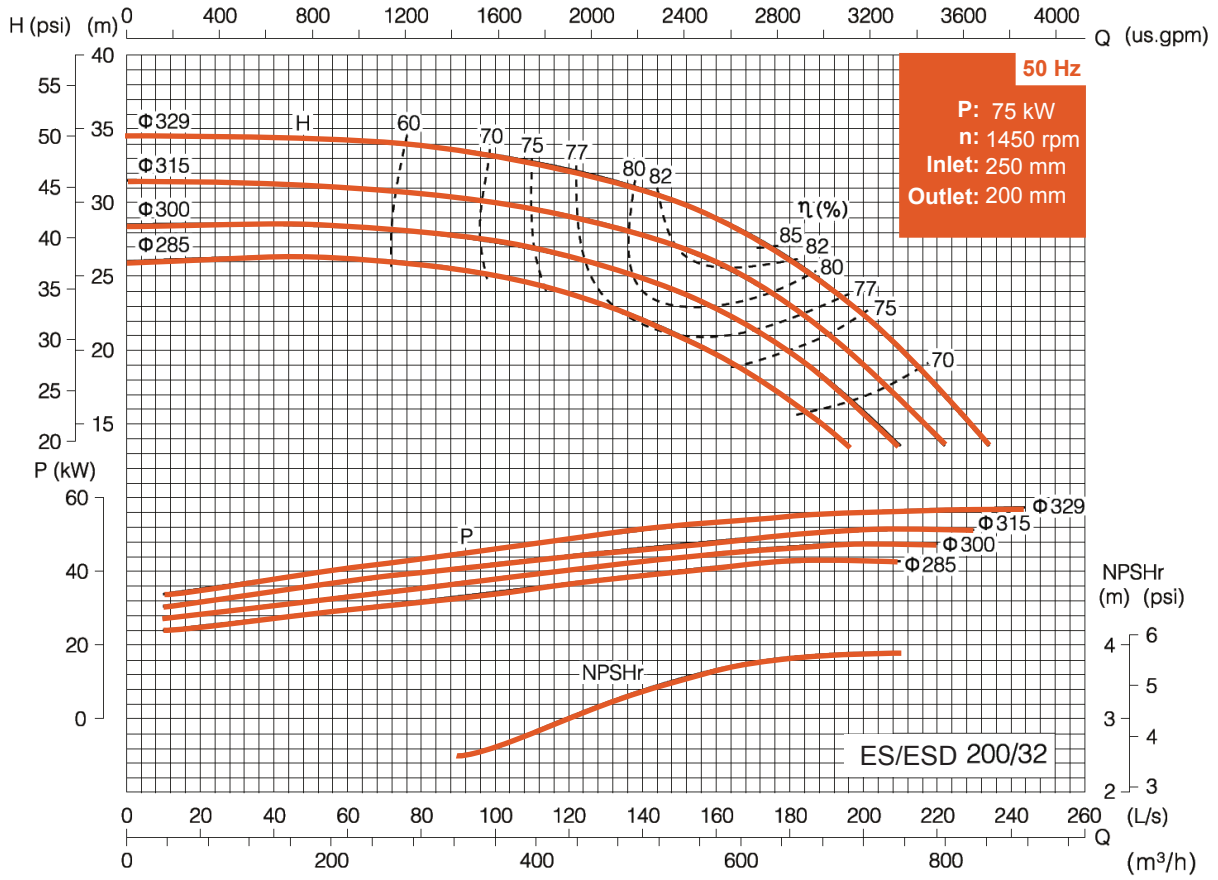
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END SUCTION PUMP

200/32

200/40

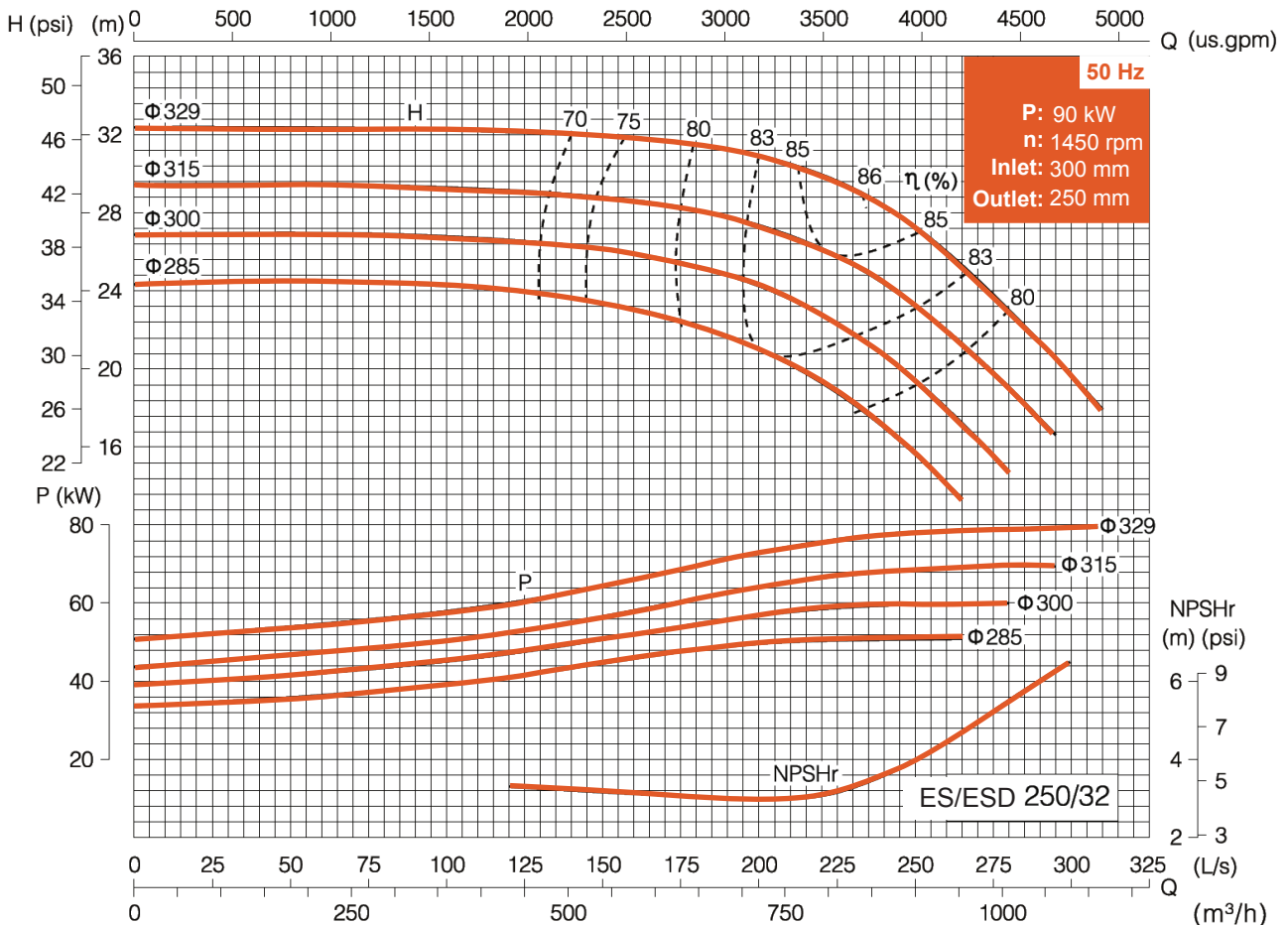
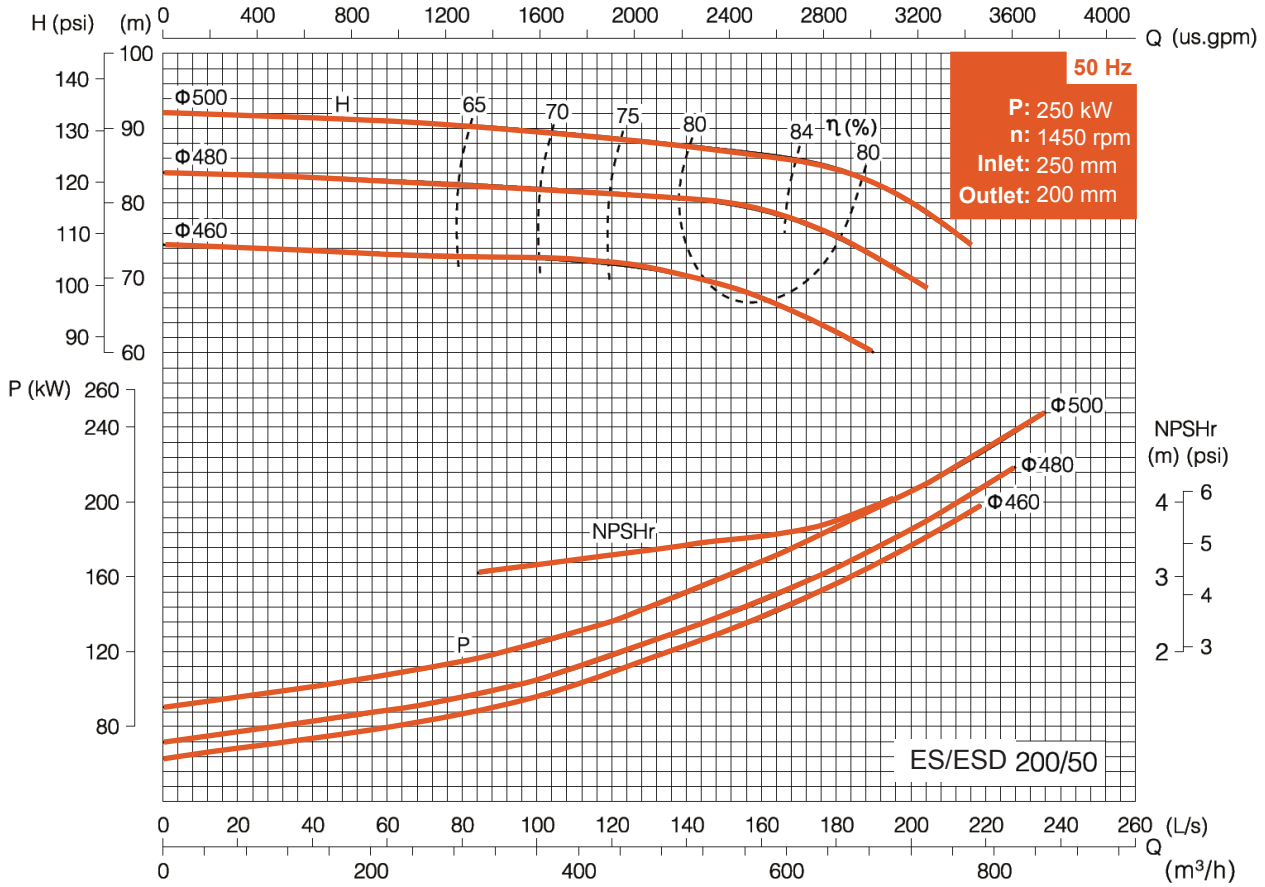


ES/ESD

END SUCTION PUMP

200/50

250/32

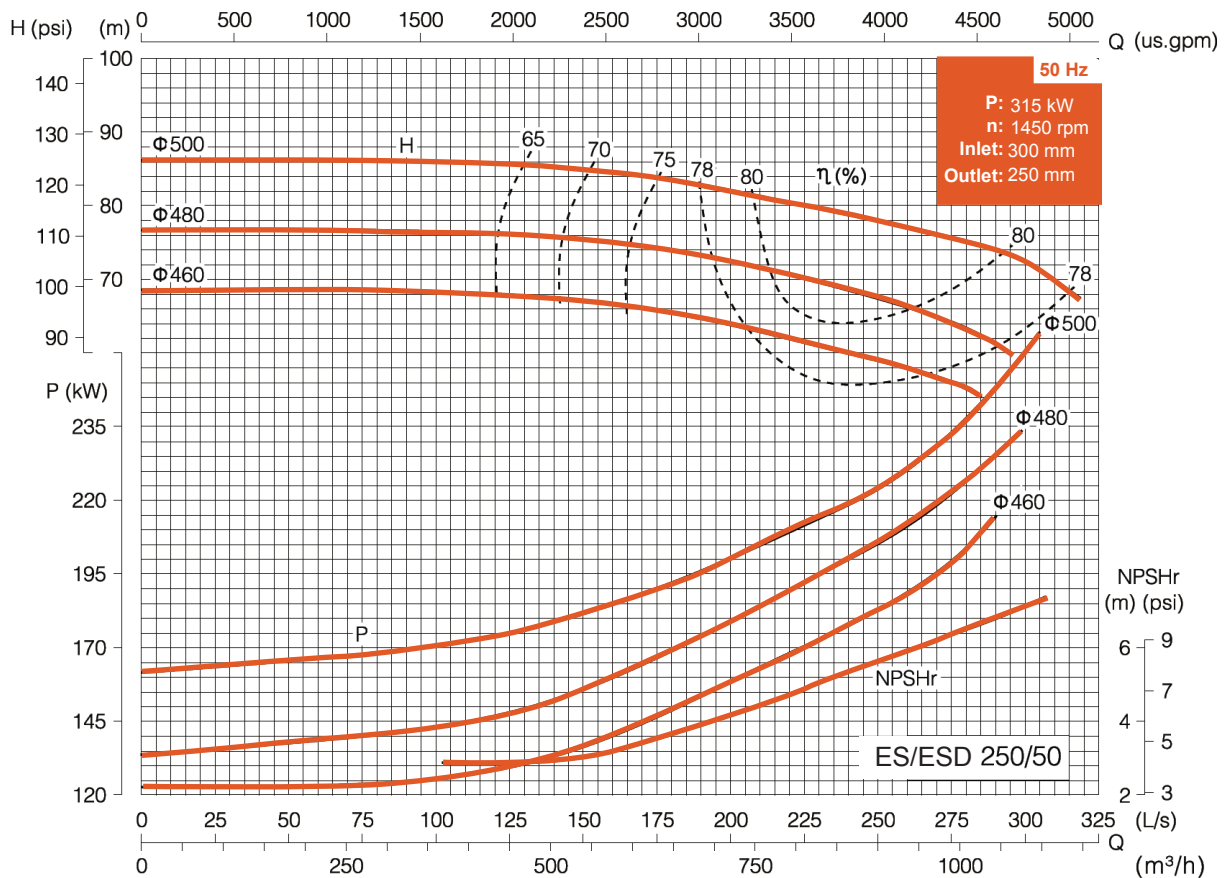
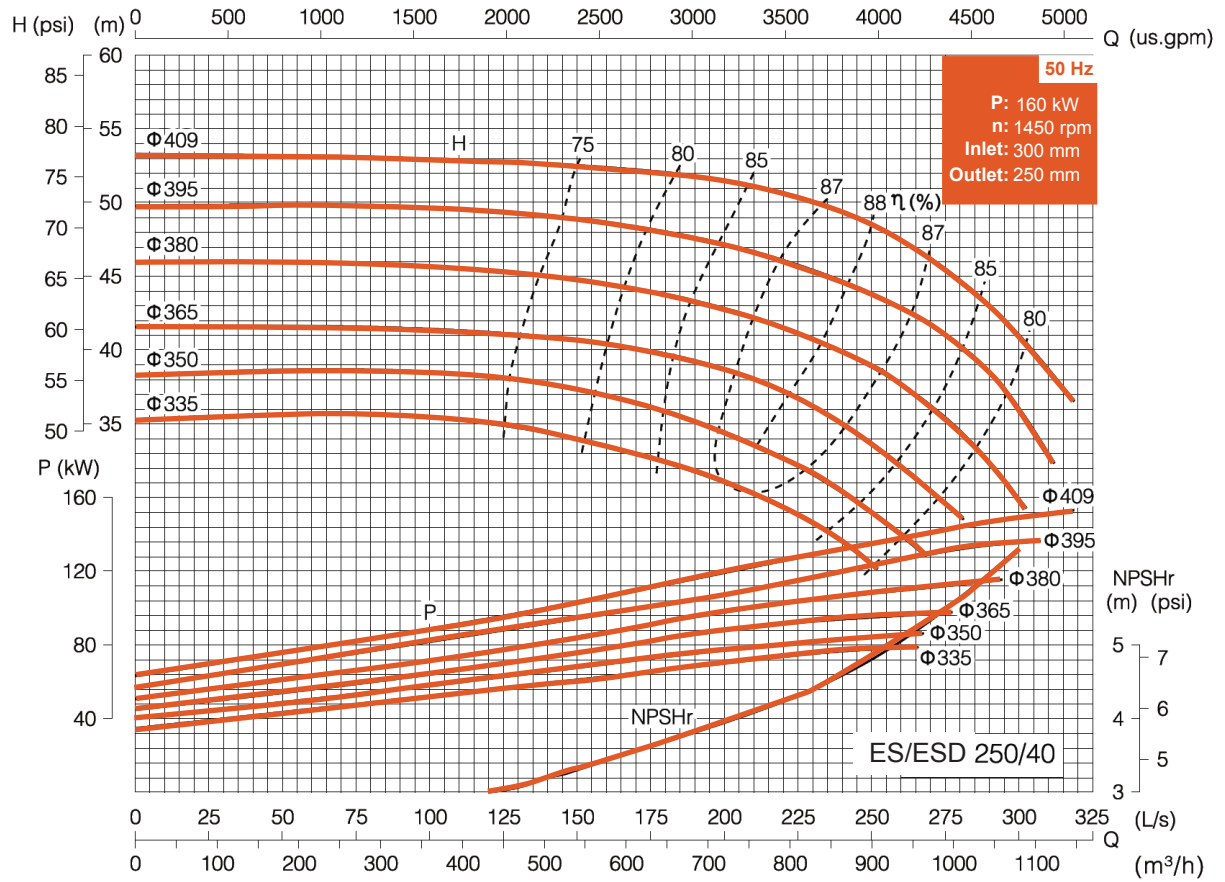


ES/ESD

END SUCTION PUMP

250/40

250/50

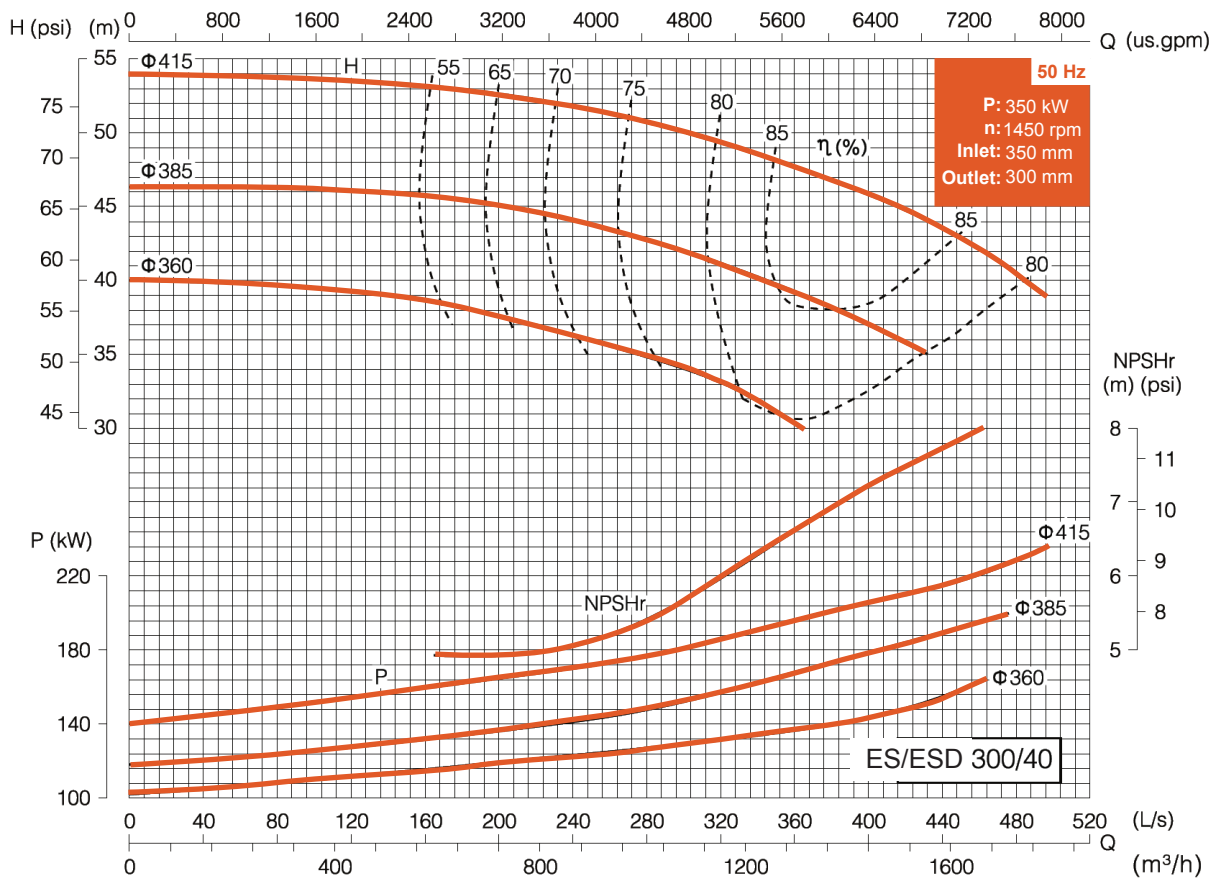
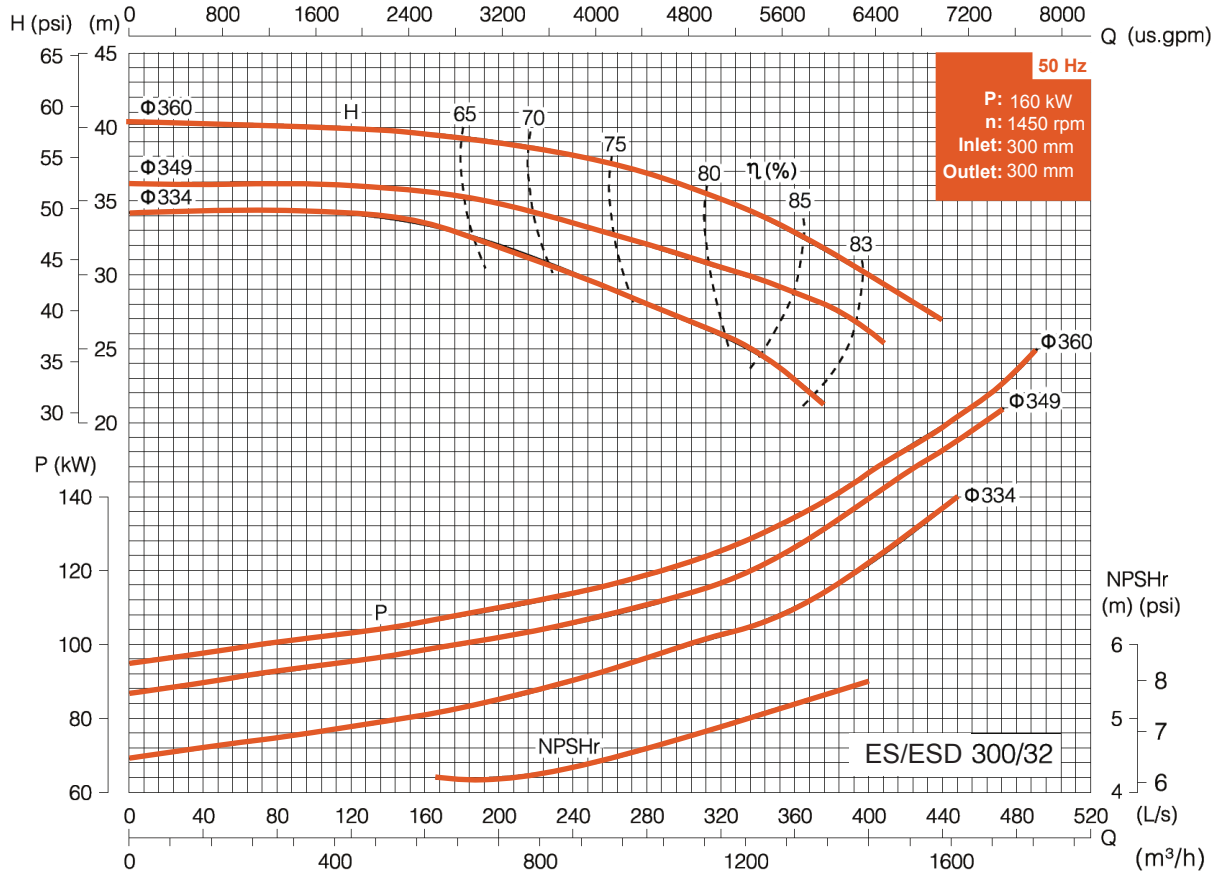


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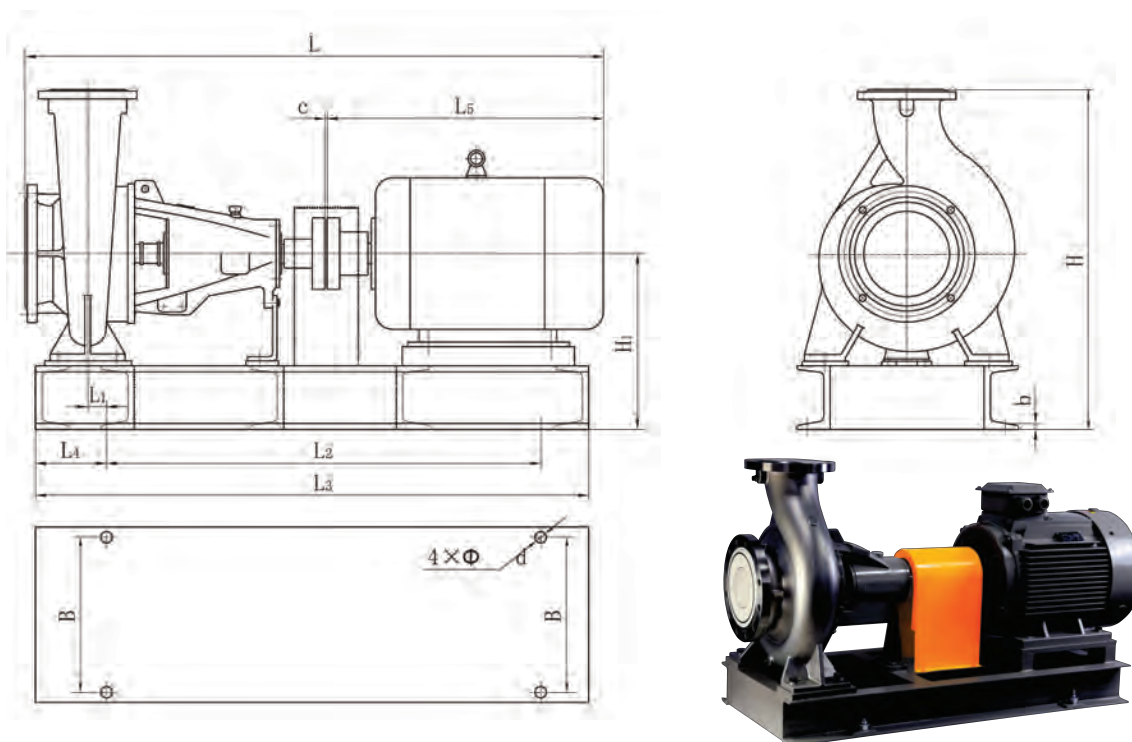
END SUCTION PUMP

300/32

300/40



Installation Dimension



Size and Weight

(Rated speed: 2900rpm)

| Model | Motor | | Installation Dimension | | | | | | | | | | | Weight (kg) | |
|-------------|--------------------------|------|------------------------|----------------|----------------|----------------|----------------|----------------|-----|-----|----------------|----|---|-------------|-----|
| | Motor Model | P | L | L ₁ | L ₂ | L ₃ | L ₄ | L ₅ | B | H | H ₁ | b | c | | Φd |
| ES(S) 32/13 | YE3 90L-2 | 2.2 | 791 | 51 | 450 | 760 | 150 | 344 | 270 | 327 | 187 | 11 | 2 | 13.5 | 79 |
| | YE3 90S-2 | 1.5 | 766 | 51 | 450 | 760 | 150 | 319 | 270 | 327 | 187 | 11 | 2 | 13.5 | 76 |
| ES(S) 32/16 | YE3 132S ₁ -2 | 5.5 | 931 | 77 | 500 | 840 | 170 | 484 | 310 | 367 | 207 | 11 | 2 | 13.5 | 129 |
| | YE3 112M-2 | 4 | 856 | 69 | 450 | 760 | 150 | 409 | 310 | 367 | 207 | 11 | 2 | 13.5 | 108 |
| ES(S) 32/20 | YE3 160M ₁ -2 | 11 | 1056 | 102 | 580 | 980 | 190 | 609 | 350 | 432 | 252 | 11 | 2 | 13.5 | 204 |
| | YE3 132S ₂ -2 | 7.5 | 931 | 77 | 500 | 840 | 170 | 484 | 310 | 415 | 235 | 11 | 2 | 13.5 | 141 |
| ES(S) 32/26 | YE3 160L-2 | 18.5 | 1125 | 106 | 580 | 980 | 190 | 658 | 350 | 497 | 272 | 11 | 2 | 13.5 | 249 |
| | YE3 160M ₂ -2 | 15 | 1080 | 106 | 580 | 980 | 190 | 613 | 350 | 497 | 272 | 11 | 2 | 13.5 | 235 |
| ES(S) 40/13 | YE3 112M-2 | 4 | 856 | 69 | 450 | 760 | 150 | 409 | 310 | 327 | 187 | 11 | 2 | 13.5 | 103 |
| | YE3 100L-2 | 3 | 836 | 69 | 450 | 760 | 150 | 389 | 310 | 327 | 187 | 11 | 2 | 13.5 | 92 |
| ES(S) 40/16 | YE3 132S ₂ -2 | 7.5 | 931 | 77 | 500 | 840 | 170 | 484 | 310 | 367 | 207 | 11 | 2 | 13.5 | 135 |
| | YE3 132S ₁ -2 | 5.5 | 931 | 77 | 500 | 840 | 170 | 484 | 310 | 367 | 207 | 11 | 2 | 13.5 | 130 |
| | YE3 112M-2 | 4 | 856 | 69 | 450 | 760 | 150 | 409 | 310 | 367 | 207 | 11 | 2 | 13.5 | 109 |
| ES(S) 40/20 | YE3 160M ₁ -2 | 11 | 1077 | 102 | 580 | 980 | 190 | 610 | 350 | 432 | 252 | 11 | 2 | 13.5 | 208 |
| ES(S) 40/26 | YE3 180M-2 | 22 | 1145 | 117 | 580 | 980 | 190 | 683 | 350 | 497 | 272 | 11 | 2 | 13.5 | 279 |
| | YE3 160L-2 | 18.5 | 1125 | 106 | 580 | 980 | 190 | 658 | 350 | 497 | 272 | 11 | 2 | 13.5 | 251 |
| ES(S) 40/32 | YE3 200L ₂ -2 | 37 | 1387 | 137 | 730 | 1180 | 220 | 790 | 400 | 567 | 342 | 16 | 2 | 24 | 413 |
| | YE3 200L ₁ -2 | 30 | 1387 | 137 | 730 | 1180 | 220 | 790 | 400 | 567 | 342 | 16 | 2 | 24 | 394 |
| | YE3 180M-2 | 22 | 1280 | 127 | 660 | 1110 | 220 | 683 | 370 | 540 | 315 | 12 | 2 | 19 | 350 |

Size and Weight

| Model | Motor | | Installation Dimension | | | | | | | | | | | | Weight (kg) |
|-------------|--------------------------|------|------------------------|----------------|----------------|----------------|----------------|----------------|-----|-----|----------------|----|---|------|-------------|
| | Motor Model | P | L | L ₁ | L ₂ | L ₃ | L ₄ | L ₅ | B | H | H ₁ | b | c | Φd | |
| ES(S)50/13 | YE3 132S ₂ -2 | 7.5 | 951 | 77 | 500 | 840 | 170 | 484 | 310 | 367 | 207 | 11 | 2 | 13.5 | 133 |
| | YE3 132S ₁ -2 | 5.5 | 951 | 77 | 500 | 840 | 170 | 484 | 310 | 367 | 207 | 11 | 2 | 13.5 | 128 |
| ES(S)50/16 | YE3 160M ₁ -2 | 11 | 1077 | 102 | 580 | 980 | 190 | 610 | 350 | 432 | 252 | 11 | 2 | 13.5 | 202 |
| ES(S)50/20 | YE3 160L-2 | 18.5 | 1122 | 106 | 580 | 980 | 190 | 655 | 350 | 452 | 252 | 11 | 2 | 13.5 | 234 |
| | YE3 160M ₂ -2 | 15 | 1077 | 106 | 580 | 980 | 190 | 610 | 350 | 452 | 252 | 11 | 2 | 13.5 | 220 |
| ES(S)50/26 | YE3 200L ₂ -2 | 37 | 1257 | 137 | 630 | 1060 | 210 | 790 | 400 | 540 | 315 | 12 | 2 | 17.5 | 378 |
| | YE3 200L ₁ -2 | 30 | 1257 | 137 | 630 | 1060 | 210 | 790 | 400 | 540 | 315 | 12 | 2 | 17.5 | 362 |
| ES(S)50/32 | YE3 280S-2 | 75 | 1612 | 162 | 910 | 1455 | 245 | 1015 | 570 | 745 | 465 | 16 | 2 | 28 | 793 |
| | YE3 225M-2 | 45 | 1427 | 136 | 800 | 1266 | 230 | 830 | 450 | 640 | 360 | 16 | 2 | 28 | 618 |
| ES(S)65/13 | YE3 160M ₁ -2 | 11 | 1077 | 106 | 580 | 980 | 190 | 610 | 350 | 432 | 252 | 11 | 2 | 13.5 | 203 |
| | YE3 132S ₂ -2 | 7.5 | 952 | 77 | 500 | 840 | 170 | 485 | 310 | 415 | 235 | 11 | 2 | 13.5 | 140 |
| ES(S)65/16 | YE3 160L-2 | 18.5 | 1122 | 106 | 580 | 980 | 190 | 655 | 350 | 452 | 252 | 11 | 2 | 13.5 | 231 |
| | YE3 160M ₂ -2 | 15 | 1077 | 106 | 580 | 980 | 190 | 610 | 350 | 452 | 252 | 11 | 2 | 13.5 | 217 |
| | YE3 160M ₁ -2 | 11 | 1077 | 106 | 580 | 980 | 190 | 610 | 350 | 452 | 252 | 11 | 2 | 13.5 | 209 |
| ES(S)65/20 | YE3 200L ₁ -2 | 30 | 1222 | 137 | 630 | 1045 | 220 | 760 | 395 | 540 | 315 | 16 | 2 | 24 | 373 |
| | YE3 180M-2 | 22 | 1145 | 117 | 580 | 980 | 190 | 683 | 350 | 497 | 272 | 11 | 2 | 13.5 | 295 |
| ES(S)65/26 | YE3 250M-2 | 55 | 1522 | 132 | 870 | 1390 | 260 | 945 | 500 | 660 | 410 | 15 | 2 | 26 | 588 |
| | YE3 225M-2 | 45 | 1407 | 117 | 800 | 1260 | 230 | 830 | 450 | 610 | 360 | 14 | 2 | 22 | 479 |
| ES(S)65/32 | YE3 315S-2 | 110 | 1805 | 200 | 870 | 1460 | 300 | 1208 | 620 | 780 | 500 | 16 | 2 | 28 | 1296 |
| | YE3 280M-2 | 90 | 1665 | 162 | 910 | 1510 | 300 | 1068 | 550 | 745 | 465 | 16 | 2 | 28 | 925 |
| | YE3 280S-2 | 75 | 1617 | 162 | 910 | 1510 | 300 | 1015 | 550 | 745 | 465 | 16 | 2 | 28 | 845 |
| ES(S)80/16 | YE3 200L ₁ -2 | 30 | 1280 | 137 | 630 | 1060 | 210 | 788 | 400 | 540 | 315 | 12 | 2 | 17.5 | 349 |
| | YE3 180M-2 | 22 | 1175 | 117 | 580 | 980 | 190 | 683 | 350 | 497 | 272 | 11 | 2 | 13.5 | 272 |
| | YE3 160L-2 | 18.5 | 1150 | 106 | 580 | 980 | 190 | 658 | 350 | 497 | 272 | 11 | 2 | 13.5 | 244 |
| ES(S)80/20 | YE3 225M-2 | 45 | 1432 | 117 | 800 | 1260 | 230 | 830 | 450 | 610 | 360 | 14 | 2 | 22 | 468 |
| | YE3 200L ₂ -2 | 37 | 1392 | 117 | 780 | 1230 | 230 | 790 | 400 | 585 | 335 | 14 | 2 | 22 | 401 |
| ES(S)80/26 | YE3 280S-2 | 75 | 1617 | 162 | 910 | 1510 | 300 | 1015 | 550 | 720 | 440 | 15 | 2 | 26 | 752 |
| ES(S)80/32 | YE3 315M-2 | 132 | 1822 | 200 | 910 | 1540 | 300 | 1210 | 655 | 815 | 500 | 16 | 2 | 28 | 1442 |
| | YE3 315S-2 | 110 | 1805 | 200 | 870 | 1460 | 300 | 1208 | 620 | 815 | 500 | 16 | 2 | 28 | 1342 |
| | YE3 280M-2 | 90 | 1665 | 162 | 910 | 1510 | 300 | 1068 | 550 | 780 | 465 | 16 | 2 | 28 | 958 |
| ES(S)100/16 | YE3 200L ₂ -2 | 37 | 1392 | 117 | 780 | 1230 | 230 | 790 | 400 | 585 | 335 | 14 | 2 | 22 | 421 |
| ES(S)100/20 | YE3 280S-2 | 75 | 1617 | 162 | 910 | 1510 | 300 | 1015 | 550 | 720 | 440 | 15 | 2 | 26 | 746 |
| | YE3 250M-2 | 55 | 1547 | 132 | 870 | 1390 | 260 | 945 | 500 | 690 | 410 | 15 | 2 | 26 | 592 |
| | YE3 225M-2 | 45 | 1432 | 117 | 800 | 1260 | 230 | 830 | 450 | 640 | 360 | 14 | 2 | 22 | 489 |
| ES(S)100/26 | YE3 315S-2 | 110 | 1831 | 200 | 870 | 1460 | 300 | 1208 | 620 | 760 | 480 | 15 | 3 | 26 | 1125 |
| | YE3 280M-2 | 90 | 1691 | 162 | 910 | 1510 | 300 | 1068 | 550 | 720 | 440 | 15 | 3 | 26 | 835 |
| ES(S)100/32 | YE3 315L ₂ -2 | 200 | 1822 | 200 | 910 | 1540 | 300 | 1210 | 655 | 815 | 500 | 16 | 2 | 28 | 1499 |
| | YE3 315L ₁ -2 | 160 | 1822 | 200 | 910 | 1540 | 300 | 1210 | 655 | 815 | 500 | 16 | 2 | 28 | 1434 |
| | YE3 315M-2 | 132 | 1822 | 200 | 910 | 1540 | 300 | 1210 | 655 | 815 | 500 | 16 | 2 | 28 | 1281 |
| ES(S)125/20 | YE3 280M-2 | 90 | 1682 | 162 | 910 | 1510 | 300 | 1065 | 550 | 755 | 440 | 15 | 2 | 26 | 822 |
| | YE3 280S-2 | 75 | 1632 | 162 | 910 | 1510 | 300 | 1015 | 550 | 755 | 440 | 15 | 2 | 26 | 767 |

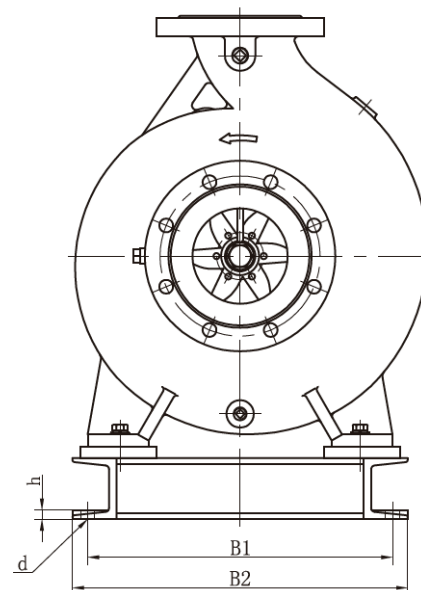
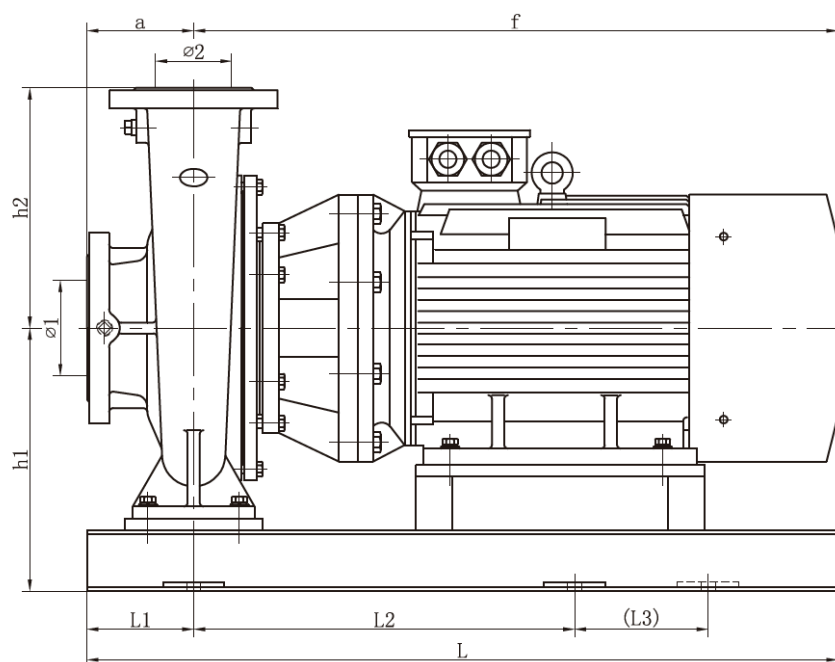
Size and Weight

| Model | Motor | | Installation Dimension | | | | | | | | | | | | Weight (kg) |
|-------------|-----------------------|------|------------------------|----------------|----------------|----------------|----------------|----------------|-----|-----|----------------|----|---|------|----------------|
| | Motor Model | P | L | L ₁ | L ₂ | L ₃ | L ₄ | L ₅ | B | H | H ₁ | b | c | Φd | |
| ES(S)32/13 | Y801-4 | 0.55 | 741 | 37 | 430 | 675 | 120 | 294 | 270 | 327 | 187 | 11 | 2 | 13.5 | 68 |
| ES(S)32/16 | Y801-4 | 0.55 | 741 | 37 | 430 | 675 | 120 | 294 | 270 | 367 | 207 | 11 | 2 | 13.5 | 75 |
| ES(S)32/20 | Y90S-4 | 1.1 | 766 | 51 | 450 | 760 | 150 | 319 | 270 | 415 | 235 | 11 | 2 | 13.5 | 89 |
| ES(S)32/26 | Y100L ₂ -4 | 3 | 856 | 69 | 450 | 760 | 150 | 389 | 310 | 480 | 255 | 11 | 2 | 13.5 | 125 |
| ES(S)40/13 | Y801-4 | 0.55 | 741 | 37 | 430 | 675 | 120 | 294 | 270 | 327 | 187 | 11 | 2 | 13.5 | 70 |
| ES(S)40/16 | Y90S-4 | 1.1 | 766 | 51 | 450 | 760 | 150 | 319 | 270 | 367 | 207 | 11 | 2 | 13.5 | 86 |
| ES(S)40/20 | Y90L-4 | 1.5 | 812 | 51 | 450 | 760 | 150 | 345 | 270 | 415 | 235 | 11 | 2 | 13.5 | 98 |
| ES(S)40/26 | Y100L ₂ -4 | 3 | 856 | 69 | 450 | 760 | 150 | 389 | 310 | 480 | 255 | 11 | 2 | 13.5 | 127 |
| ES(S)40/32 | Y132S-4 | 5.5 | 1090 | 94 | 630 | 1025 | 210 | 488 | 400 | 540 | 315 | 12 | 2 | 17.5 | 219 |
| ES(S)50/13 | Y90S-4 | 1.1 | 786 | 51 | 450 | 760 | 150 | 319 | 270 | 367 | 207 | 11 | 2 | 13.5 | 84 |
| ES(S)50/16 | Y90L-4 | 1.5 | 812 | 51 | 450 | 760 | 150 | 345 | 270 | 415 | 235 | 11 | 2 | 13.5 | 92 |
| ES(S)50/20 | Y100L ₁ -4 | 2.2 | 857 | 69 | 450 | 760 | 150 | 390 | 310 | 435 | 235 | 11 | 2 | 13.5 | 108 |
| ES(S)50/26 | Y132S-4 | 5.5 | 952 | 77 | 500 | 840 | 170 | 485 | 310 | 480 | 255 | 11 | 2 | 13.5 | 159 |
| ES(S)50/32 | Y160M-4 | 11 | 1215 | 105 | 750 | 1160 | 220 | 613 | 400 | 620 | 340 | 12 | 2 | 17.5 | 286 |
| | Y132M-4 | 7.5 | 1130 | 94 | 630 | 1025 | 210 | 528 | 400 | 620 | 340 | 12 | 2 | 17.5 | 237 |
| ES(S)65/13 | Y90L-4 | 1.5 | 812 | 51 | 450 | 760 | 150 | 345 | 270 | 415 | 235 | 11 | 2 | 13.5 | 93 |
| ES(S)65/16 | Y100L ₁ -4 | 2.2 | 857 | 69 | 450 | 760 | 150 | 390 | 310 | 435 | 235 | 11 | 2 | 13.5 | 105 |
| ES(S)65/20 | Y112M-4 | 4 | 880 | 69 | 450 | 760 | 150 | 413 | 310 | 480 | 255 | 11 | 2 | 13.5 | 136 |
| ES(S)65/26 | Y132M-4 | 7.5 | 1105 | 94 | 630 | 1025 | 210 | 528 | 400 | 565 | 315 | 12 | 2 | 17.5 | 217 |
| ES(S)65/32 | Y160L-4 | 15 | 1260 | 105 | 750 | 1160 | 220 | 658 | 400 | 620 | 340 | 12 | 2 | 17.5 | 308 |
| | Y160M-4 | 11 | 1215 | 105 | 750 | 1160 | 220 | 613 | 400 | 620 | 340 | 12 | 2 | 17.5 | 295 |
| ES(S)80/16 | Y100L ₂ -4 | 3 | 881 | 69 | 450 | 760 | 150 | 389 | 310 | 480 | 255 | 11 | 2 | 13.5 | 120 |
| ES(S)80/20 | Y132M-4 | 7.5 | 1130 | 94 | 630 | 1025 | 210 | 528 | 400 | 545 | 295 | 12 | 2 | 17.5 | 206 |
| ES(S)80/26 | Y160M-4 | 11 | 1215 | 105 | 750 | 1160 | 220 | 613 | 400 | 595 | 315 | 12 | 2 | 17.5 | 276 |
| ES(S)80/32 | Y180M-4 | 18.5 | 1287 | 104 | 750 | 1160 | 220 | 685 | 400 | 680 | 365 | 12 | 2 | 17.5 | 364 |
| | Y160L-4 | 15 | 1260 | 105 | 750 | 1160 | 220 | 658 | 400 | 680 | 365 | 12 | 2 | 17.5 | 318 |
| ES(S)80/40 | Y200L-4 | 30 | 1454 | 123 | 800 | 1260 | 230 | 790 | 500 | 775 | 420 | 14 | 2 | 22 | 512 |
| | Y180L-4 | 22 | 1389 | 130 | 750 | 1190 | 220 | 725 | 500 | 775 | 420 | 14 | 2 | 22 | 452 |
| ES(S)100/16 | Y132S-4 | 5.5 | 1090 | 94 | 630 | 1025 | 210 | 488 | 400 | 565 | 315 | 12 | 2 | 17.5 | 213 |
| ES(S)100/20 | Y160M-4 | 11 | 1215 | 105 | 750 | 1160 | 220 | 613 | 400 | 595 | 315 | 12 | 2 | 17.5 | 270 |
| ES(S)100/26 | Y160L-4 | 15 | 1275 | 105 | 750 | 1160 | 220 | 658 | 400 | 620 | 340 | 12 | 2 | 17.5 | 323 |
| ES(S)100/32 | Y180L-4 | 22 | 1342 | 104 | 750 | 1160 | 220 | 725 | 400 | 680 | 365 | 12 | 2 | 17.5 | 396 |
| | Y180M-4 | 18.5 | 1302 | 104 | 750 | 1160 | 220 | 685 | 400 | 680 | 365 | 12 | 2 | 17.5 | 378 |
| ES(S)100/40 | Y225M-4 | 45 | 1546 | 140 | 820 | 1320 | 250 | 863 | 550 | 795 | 440 | 15 | 3 | 26 | 629 |
| ES(S)100/40 | YE3 225S-4 | 37 | 1521 | 140 | 820 | 1320 | 250 | 838 | 550 | 795 | 440 | 15 | 3 | 26 | 594 |
| | YE3 200L-4 | 30 | 1476 | 140 | 800 | 1260 | 230 | 793 | 500 | 775 | 420 | 14 | 3 | 22 | 594 |
| ES(S)125/20 | YE3 160M-4 | 11 | 1230 | 105 | 750 | 1160 | 220 | 613 | 400 | 680 | 365 | 12 | 2 | 17.5 | 291 |
| ES(S)125/26 | YE3 180L-4 | 22 | 1342 | 104 | 750 | 1160 | 220 | 725 | 400 | 720 | 365 | 12 | 2 | 17.5 | 377 |
| | YE3 180M-4 | 18.5 | 1302 | 104 | 750 | 1160 | 220 | 685 | 400 | 720 | 365 | 12 | 2 | 17.5 | 359 |
| ES(S)125/32 | YE3 200L-4 | 30 | 1467 | 125 | 800 | 1260 | 230 | 790 | 500 | 775 | 420 | 14 | 2 | 22 | 514 |
| | YE3 180L-4 | 22 | 1402 | 117 | 780 | 1230 | 230 | 725 | 540 | 775 | 420 | 14 | 2 | 22 | 443 |
| ES(S)125/40 | YE3 280S-4 | 75 | 1701 | 190 | 910 | 1510 | 300 | 1018 | 550 | 875 | 475 | 15 | 3 | 26 | 865 |

Size and Weight

| Model | Motor | | Installation Dimension | | | | | | | | | | | | Weight (kg) |
|-------------|--------------------------|------|------------------------|----------------|----------------|----------------|----------------|----------------|-----|------|----------------|----|---|----|----------------|
| | Motor Model | P | L | L ₁ | L ₂ | L ₃ | L ₄ | L ₅ | B | H | H ₁ | b | c | Φd | |
| ES(S)125/40 | YE3 250M-4 | 55 | 1631 | 150 | 870 | 1390 | 260 | 948 | 500 | 875 | 475 | 15 | 3 | 26 | 719 |
| | YE3 225M-4 | 45 | 1546 | 150 | 800 | 1315 | 260 | 863 | 500 | 875 | 475 | 15 | 3 | 26 | 620 |
| ES(S)125/50 | YE3 315S-4 | 110 | 2074 | 168 | 1140 | 1770 | 310 | 1220 | 625 | 1040 | 540 | 16 | 3 | 28 | 1521 |
| | YE3 280S-4 | 75 | 1874 | 200 | 1020 | 1660 | 320 | 1021 | 625 | 1040 | 540 | 16 | 3 | 28 | 1044 |
| | YE3 250M-4 | 55 | 1801 | 200 | 890 | 1540 | 320 | 948 | 550 | 1040 | 540 | 16 | 3 | 28 | 926 |
| ES(S)150/20 | YE3 180M-4 | 18.5 | 1347 | 114 | 780 | 1230 | 230 | 685 | 540 | 820 | 420 | 14 | 2 | 22 | 418 |
| ES(S)150/26 | YE3 200L-4 | 30 | 1487 | 125 | 800 | 1260 | 230 | 790 | 500 | 745 | 390 | 14 | 2 | 22 | 499 |
| ES(S)150/32 | YE3 250M-4 | 55 | 1651 | 150 | 870 | 1390 | 260 | 948 | 550 | 840 | 440 | 15 | 3 | 26 | 702 |
| | YE3 225M-4 | 45 | 1566 | 140 | 820 | 1320 | 250 | 863 | 550 | 840 | 440 | 15 | 3 | 26 | 625 |
| | YE3 225S-4 | 37 | 1541 | 140 | 820 | 1320 | 250 | 838 | 550 | 840 | 440 | 15 | 3 | 26 | 590 |
| ES(S)150/40 | YE3 280M-4 | 90 | 1774 | 190 | 910 | 1510 | 300 | 1071 | 550 | 925 | 475 | 15 | 3 | 26 | 916 |
| | YE3 280S-4 | 75 | 1724 | 190 | 910 | 1510 | 300 | 1021 | 550 | 925 | 475 | 15 | 3 | 26 | 901 |
| ES(S)150/50 | YE3 315L ₁ -4 | 160 | 2124 | 168 | 1140 | 1775 | 315 | 1270 | 625 | 1040 | 540 | 16 | 4 | 28 | 1846 |
| | YE3 315M-4 | 132 | 2124 | 168 | 1140 | 1775 | 315 | 1270 | 625 | 1040 | 540 | 16 | 4 | 28 | 1638 |
| | YE3 315S-4 | 110 | 2074 | 168 | 1140 | 1770 | 310 | 1220 | 625 | 1040 | 540 | 16 | 4 | 28 | 1544 |
| ES(S)200/26 | YE3 250M-4 | 55 | 1694 | 150 | 870 | 1415 | 260 | 948 | 550 | 930 | 480 | 15 | 3 | 26 | 800 |
| ES(S)200/32 | YE3 280S-4 | 75 | 1884 | 200 | 1040 | 1615 | 320 | 1021 | 620 | 960 | 480 | 15 | 3 | 26 | 964 |
| | YE3 250M-4 | 55 | 1814 | 200 | 900 | 1545 | 320 | 951 | 620 | 960 | 480 | 15 | 3 | 26 | 832 |
| | YE3 225M-4 | 45 | 1729 | 200 | 870 | 1475 | 320 | 866 | 620 | 960 | 480 | 15 | 3 | 26 | 745 |
| ES(S)200/40 | YE3 315M-4 | 132 | 2124 | 168 | 1140 | 1780 | 320 | 1270 | 620 | 980 | 500 | 15 | 4 | 26 | 1510 |
| | YE3 315S-4 | 110 | 2074 | 168 | 1140 | 1780 | 320 | 1220 | 620 | 980 | 500 | 15 | 4 | 26 | 1360 |
| | YE3 280M-4 | 90 | 1904 | 159 | 1040 | 1675 | 320 | 1050 | 620 | 980 | 500 | 15 | 4 | 26 | 1050 |
| | YE3 280S-4 | 75 | 1854 | 159 | 1040 | 1675 | 320 | 1000 | 620 | 980 | 500 | 15 | 4 | 26 | 1035 |
| ES(S)200/50 | YE3 355M ₂ -4 | 250 | 2419 | 230 | 1100 | 1911 | 400 | 1530 | 725 | 1125 | 625 | 16 | 4 | 28 | 2587 |
| | YE3 315L ₂ -4 | 200 | 2159 | 230 | 910 | 1753 | 400 | 1270 | 715 | 1125 | 625 | 16 | 4 | 28 | 1962 |
| | YE3 315L ₁ -4 | 160 | 2159 | 230 | 910 | 1753 | 400 | 1270 | 715 | 1125 | 625 | 16 | 4 | 28 | 1833 |
| ES(S)250/32 | YE3 280M-4 | 90 | 1965 | 180 | 1040 | 1675 | 320 | 1050 | 620 | 1040 | 520 | 15 | 4 | 26 | 1065 |
| | YE3 280S-4 | 75 | 1915 | 180 | 1040 | 1675 | 320 | 1000 | 620 | 1040 | 520 | 15 | 4 | 26 | 1050 |
| | YE3 250M-4 | 55 | 1845 | 180 | 1040 | 1675 | 320 | 930 | 620 | 1040 | 520 | 15 | 4 | 26 | 925 |
| ES(S)250/40 | YE3 315L ₁ -4 | 160 | 2176 | 180 | 1140 | 1780 | 320 | 1270 | 620 | 1125 | 565 | 15 | 4 | 26 | 1685 |
| | YE3 315M-4 | 132 | 2176 | 180 | 1140 | 1780 | 320 | 1270 | 620 | 1125 | 565 | 15 | 4 | 26 | 1605 |
| | YE3 315S-4 | 110 | 2176 | 180 | 1140 | 1780 | 320 | 1220 | 620 | 1125 | 565 | 15 | 4 | 26 | 1455 |
| | YE3 280M-4 | 90 | 1956 | 171 | 1040 | 1675 | 320 | 1050 | 620 | 1125 | 565 | 15 | 4 | 26 | 1145 |
| ES(S)250/50 | YE3 355L ₂ -4 | 315 | 2749 | 230 | 1100 | 2226 | 400 | 1630 | 725 | 1195 | 650 | 16 | 4 | 28 | 2877 |
| | YE3 355M ₂ -4 | 250 | 2649 | 230 | 1100 | 2141 | 400 | 1530 | 725 | 1195 | 650 | 16 | 4 | 28 | 2726 |
| | YE3 315L ₂ -4 | 200 | 2389 | 230 | 1100 | 2005 | 400 | 1270 | 715 | 1195 | 650 | 16 | 4 | 28 | 2100 |
| ES(S)300/32 | YE3 315L ₁ -4 | 160 | 2409 | 188 | 1100 | 2025 | 380 | 1270 | 855 | 1110 | 550 | 16 | 4 | 28 | 2705 |
| | YE3 315M-4 | 132 | 2409 | 188 | 1100 | 2025 | 380 | 1270 | 855 | 1110 | 550 | 16 | 4 | 28 | 2080 |
| | YE3 315S-4 | 110 | 2359 | 188 | 1100 | 2025 | 380 | 1220 | 855 | 1110 | 550 | 16 | 4 | 28 | 1951 |
| ES(S)300/40 | YE3 355M ₂ -4 | 250 | 2669 | 230 | 1100 | 2161 | 400 | 1530 | 759 | 1325 | 725 | 16 | 4 | 28 | 2807 |
| | YE3 315L ₂ -4 | 200 | 2409 | 188 | 1100 | 2025 | 380 | 1270 | 759 | 1325 | 725 | 16 | 4 | 28 | 2182 |
| | YE3 315L ₁ -4 | 160 | 2409 | 188 | 1100 | 2025 | 380 | 1270 | 759 | 1325 | 725 | 16 | 4 | 28 | 2053 |

Installation Dimension



Size and Weight

| Model | Motor | | Installation Dimension | | | | | | | | | | | |
|----------|-------------------------|------|------------------------|-----|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|----|-----------|
| | Motor Model | P | a | f | h ₁ | h ₂ | L | L ₁ | L ₂ | L ₃ | B ₁ | B ₂ | h | d |
| ESD32/13 | Y2-90L-2 | 2.2 | 80 | 435 | 187 | 140 | 535 | 100 | 290 | / | 185 | 220 | 12 | $\phi 19$ |
| | Y2-90S-2 | 1.5 | 80 | 410 | 187 | 140 | 510 | 100 | 280 | / | 185 | 220 | 12 | $\phi 19$ |
| | Y2-801-4 | 0.55 | 80 | 385 | 187 | 140 | 485 | 100 | 260 | / | 185 | 220 | 12 | $\phi 19$ |
| ESD32/16 | Y2-132S ₁ -2 | 5.5 | 80 | 555 | 207 | 160 | 655 | 100 | 360 | / | 260 | 295 | 12 | $\phi 19$ |
| | Y2-112M-2 | 4 | 80 | 510 | 207 | 160 | 610 | 100 | 330 | / | 235 | 270 | 12 | $\phi 19$ |
| | Y2-801-4 | 0.55 | 80 | 385 | 207 | 160 | 485 | 100 | 260 | / | 235 | 270 | 12 | $\phi 19$ |
| ESD32/20 | Y2-160M ₁ -2 | 11 | 80 | 740 | 235 | 180 | 840 | 100 | 470 | / | 310 | 345 | 12 | $\phi 19$ |
| | Y2-132S ₂ -2 | 7.5 | 80 | 555 | 235 | 180 | 655 | 100 | 360 | / | 310 | 345 | 12 | $\phi 19$ |
| | Y2-90S-4 | 1.1 | 80 | 410 | 235 | 180 | 510 | 100 | 280 | / | 235 | 270 | 12 | $\phi 19$ |
| ESD32/26 | Y2-160L-2 | 18.5 | 100 | 768 | 275 | 225 | 893 | 125 | 480 | / | 310 | 350 | 12 | $\phi 19$ |
| | Y2-160M ₂ -2 | 15 | 100 | 738 | 275 | 225 | 863 | 125 | 470 | / | 310 | 350 | 12 | $\phi 19$ |
| | Y2-100L ₂ -4 | 3 | 100 | 478 | 255 | 225 | 603 | 125 | 310 | / | 315 | 350 | 12 | $\phi 19$ |
| ESD40/13 | Y2-112M-2 | 4 | 80 | 510 | 187 | 140 | 610 | 100 | 330 | / | 225 | 260 | 12 | $\phi 19$ |
| | Y2-100L-2 | 3 | 80 | 480 | 187 | 140 | 580 | 100 | 320 | / | 205 | 240 | 12 | $\phi 19$ |
| | Y2-801-4 | 0.55 | 80 | 385 | 187 | 140 | 485 | 100 | 260 | / | 205 | 240 | 12 | $\phi 19$ |
| ESD40/16 | Y2-132S ₂ -2 | 7.5 | 80 | 555 | 207 | 160 | 655 | 100 | 360 | / | 257 | 292 | 12 | $\phi 19$ |
| | Y2-132S ₁ -2 | 5.5 | 80 | 555 | 207 | 160 | 655 | 100 | 360 | / | 260 | 295 | 12 | $\phi 19$ |
| | Y2-112M-2 | 4 | 80 | 510 | 207 | 160 | 610 | 100 | 330 | / | 235 | 270 | 12 | $\phi 19$ |
| | Y2-90S-4 | 1.1 | 80 | 410 | 207 | 160 | 490 | 80 | 280 | / | 235 | 270 | 12 | $\phi 19$ |

Size and Weight



| Model | Motor | | Installation Dimension | | | | | | | | | | | |
|----------|-------------------------|------|------------------------|------|----------------|----------------|------|----------------|----------------|----------------|----------------|----------------|----|-----|
| | Motor Model | P | a | f | h ₁ | h ₂ | L | L ₁ | L ₂ | L ₃ | B ₁ | B ₂ | h | d |
| ESD40/20 | Y2-160M ₁ -2 | 11 | 100 | 740 | 255 | 180 | 850 | 110 | 470 | / | 305 | 345 | 12 | φ19 |
| | Y2-90L-4 | 1.5 | 100 | 435 | 235 | 180 | 535 | 100 | 290 | / | 260 | 295 | 12 | φ19 |
| ESD40/26 | Y2-180M-2 | 22 | 100 | 775 | 275 | 225 | 900 | 125 | 490 | / | 340 | 380 | 12 | φ19 |
| | Y2-160L-2 | 18.5 | 100 | 770 | 275 | 225 | 895 | 125 | 490 | / | 310 | 350 | 12 | φ19 |
| ESD40/32 | Y2-100L ₂ -4 | 3 | 100 | 480 | 255 | 225 | 605 | 125 | 320 | / | 315 | 350 | 12 | φ19 |
| | Y2-200L ₂ -2 | 37 | 125 | 894 | 342 | 225 | 1020 | 125 | 560 | / | 380 | 425 | 16 | φ19 |
| | Y2-200L ₁ -2 | 30 | 125 | 894 | 342 | 225 | 1020 | 125 | 560 | / | 380 | 425 | 16 | φ19 |
| | Y2-180M-2 | 22 | 125 | 790 | 315 | 225 | 915 | 125 | 500 | / | 330 | 375 | 12 | φ19 |
| ESD50/13 | Y2-132S ₂ -2 | 7.5 | 100 | 555 | 207 | 160 | 655 | 100 | 360 | / | 260 | 295 | 12 | φ19 |
| | Y2-132S ₁ -2 | 5.5 | 100 | 555 | 207 | 160 | 655 | 100 | 360 | / | 260 | 295 | 12 | φ19 |
| | Y2-90S-4 | 1.1 | 100 | 410 | 207 | 160 | 510 | 100 | 280 | / | 235 | 270 | 12 | φ19 |
| ESD50/16 | Y2-160M ₁ -2 | 11 | 100 | 740 | 255 | 180 | 850 | 110 | 470 | / | 305 | 345 | 12 | φ19 |
| | Y2-132S ₂ -2 | 7.5 | 100 | 555 | 255 | 180 | 655 | 100 | 360 | / | 255 | 295 | 12 | φ19 |
| | Y2-90L-4 | 1.5 | 100 | 435 | 235 | 180 | 535 | 100 | 290 | / | 260 | 295 | 12 | φ19 |
| ESD50/20 | Y2-160L-2 | 18.5 | 100 | 770 | 255 | 200 | 880 | 110 | 490 | / | 305 | 345 | 12 | φ19 |
| | Y2-160M ₂ -2 | 15 | 100 | 740 | 255 | 200 | 850 | 110 | 470 | / | 305 | 345 | 12 | φ19 |
| | Y2-100L ₁ -4 | 2.2 | 100 | 480 | 235 | 200 | 580 | 100 | 320 | / | 260 | 295 | 12 | φ19 |
| ESD50/26 | Y2-200L ₂ -2 | 37 | 100 | 876 | 315 | 225 | 1000 | 125 | 540 | / | 380 | 425 | 16 | φ24 |
| | Y2-200L ₁ -2 | 30 | 100 | 876 | 315 | 225 | 1000 | 125 | 540 | / | 380 | 425 | 16 | φ24 |
| | Y2-132S-4 | 5.5 | 100 | 553 | 255 | 225 | 680 | 125 | 360 | / | 315 | 350 | 12 | φ19 |
| ESD50/32 | Y2-280S-2 | 75 | 125 | 1079 | 465 | 280 | 1205 | 125 | 670 | / | 530 | 580 | 16 | φ28 |
| | Y2-225M-2 | 45 | 125 | 924 | 385 | 280 | 1050 | 125 | 570 | / | 415 | 465 | 16 | φ28 |
| | Y2-160M-4 | 11 | 125 | 755 | 340 | 280 | 880 | 125 | 490 | / | 330 | 375 | 16 | φ24 |
| | Y2-132M-4 | 7.5 | 125 | 610 | 340 | 280 | 735 | 125 | 400 | / | 330 | 375 | 16 | φ24 |
| ESD65/13 | Y2-160M ₁ -2 | 11 | 100 | 740 | 255 | 180 | 860 | 120 | 470 | / | 305 | 345 | 12 | φ19 |
| | Y2-132S ₂ -2 | 7.5 | 100 | 555 | 235 | 180 | 675 | 120 | 360 | / | 275 | 310 | 12 | φ19 |
| | Y2-90L-4 | 1.5 | 100 | 435 | 235 | 180 | 555 | 120 | 290 | / | 275 | 310 | 12 | φ19 |
| ESD65/16 | Y2-160L-2 | 18.5 | 100 | 770 | 255 | 200 | 890 | 120 | 490 | / | 305 | 345 | 12 | φ19 |
| | Y2-160M ₂ -2 | 15 | 100 | 740 | 255 | 200 | 860 | 120 | 470 | / | 305 | 345 | 12 | φ19 |
| | Y2-160M ₁ -2 | 11 | 100 | 740 | 255 | 200 | 860 | 120 | 470 | / | 305 | 345 | 12 | φ19 |
| | Y2-100L ₁ -4 | 2.2 | 100 | 480 | 235 | 200 | 600 | 120 | 320 | / | 275 | 310 | 12 | φ19 |
| ESD65/20 | Y2-200L ₁ -2 | 30 | 100 | 880 | 315 | 225 | 1005 | 125 | 550 | / | 380 | 425 | 16 | φ24 |
| | Y2-180M-2 | 22 | 100 | 777 | 275 | 225 | 900 | 125 | 490 | / | 340 | 380 | 12 | φ19 |
| | Y2-112M-4 | 4 | 100 | 512 | 255 | 225 | 635 | 125 | 330 | / | 315 | 350 | 12 | φ19 |
| ESD65/26 | Y2-250M-2 | 55 | 100 | 1034 | 393 | 250 | 1165 | 130 | 640 | / | 470 | 515 | 16 | φ24 |
| | Y2-225M-2 | 45 | 100 | 924 | 340 | 250 | 1055 | 130 | 570 | / | 420 | 465 | 16 | φ24 |
| | Y2-132M-4 | 7.5 | 100 | 610 | 295 | 250 | 740 | 130 | 400 | / | 350 | 390 | 12 | φ24 |
| ESD65/32 | Y2-315S-2 | 110 | 125 | 1284 | 500 | 280 | 1410 | 125 | 400 | 400 | 610 | 660 | 16 | φ24 |
| | Y2-280M-2 | 90 | 125 | 1124 | 465 | 280 | 1250 | 125 | 690 | / | 530 | 580 | 16 | φ24 |
| | Y2-280S-2 | 75 | 125 | 1074 | 465 | 280 | 1200 | 125 | 660 | / | 530 | 580 | 16 | φ24 |

Size and Weight

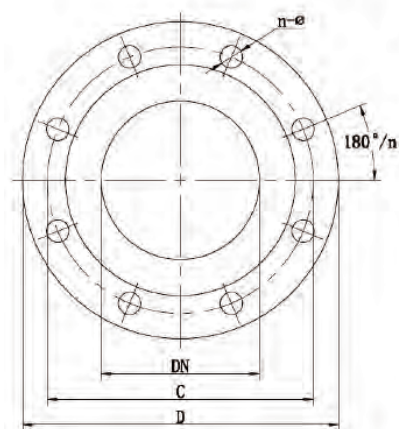


| Model | Motor | | Installation Dimension | | | | | | | | | | | |
|-----------|-------------------------|------|------------------------|------|----------------|----------------|------|----------------|----------------|----------------|----------------|----------------|----|-----|
| | Motor Model | P | a | f | h ₁ | h ₂ | L | L ₁ | L ₂ | L ₃ | B ₁ | B ₂ | h | d |
| ESD65/32 | Y2-160L-4 | 15 | 125 | 780 | 340 | 280 | 915 | 135 | 500 | / | 385 | 430 | 16 | φ24 |
| | Y2-160M-4 | 11 | 125 | 750 | 340 | 280 | 885 | 135 | 480 | / | 385 | 430 | 16 | φ24 |
| ESD80/16 | Y2-200L ₁ -2 | 30 | 125 | 878 | 315 | 225 | 1005 | 125 | 540 | / | 380 | 425 | 16 | φ24 |
| | Y2-180M-2 | 22 | 125 | 775 | 275 | 225 | 900 | 125 | 490 | / | 340 | 380 | 12 | φ19 |
| | Y2-160L-2 | 18.5 | 125 | 770 | 275 | 225 | 895 | 125 | 490 | / | 310 | 350 | 12 | φ19 |
| ESD80/20 | Y2-100L ₂ -4 | 3 | 125 | 480 | 255 | 225 | 605 | 125 | 320 | / | 315 | 350 | 12 | φ19 |
| | Y2-225M-2 | 45 | 125 | 924 | 340 | 250 | 1050 | 125 | 570 | / | 420 | 465 | 16 | φ24 |
| | Y2-200L ₂ -2 | 37 | 125 | 894 | 315 | 250 | 1020 | 125 | 560 | / | 380 | 425 | 12 | φ24 |
| ESD80/26 | Y2-132M-4 | 7.5 | 125 | 610 | 275 | 250 | 735 | 125 | 400 | / | 335 | 375 | 12 | φ19 |
| | Y2-280S-2 | 75 | 125 | 1079 | 440 | 280 | 1205 | 125 | 670 | / | 530 | 580 | 16 | φ28 |
| | Y2-250M-2 | 55 | 125 | 1034 | 410 | 280 | 1160 | 125 | 640 | / | 465 | 515 | 16 | φ28 |
| ESD80/32 | Y2-160M-4 | 11 | 125 | 755 | 315 | 280 | 890 | 135 | 490 | / | 385 | 430 | 16 | φ24 |
| | Y2-315S-2 | 110 | 125 | 1289 | 500 | 315 | 1415 | 125 | 400 | 400 | 610 | 660 | 16 | φ28 |
| | Y2-280M-2 | 90 | 125 | 1129 | 465 | 315 | 1275 | 145 | 700 | / | 530 | 580 | 16 | φ28 |
| | Y2-180M-4 | 18.5 | 125 | 790 | 365 | 315 | 935 | 145 | 510 | / | 385 | 430 | 16 | φ24 |
| | Y2-160L-4 | 15 | 125 | 785 | 365 | 315 | 930 | 145 | 510 | / | 385 | 430 | 16 | φ24 |
| ESD80/40 | Y2-160M-4 | 11 | 125 | 755 | 365 | 315 | 900 | 145 | 500 | / | 385 | 430 | 16 | φ24 |
| | Y2-200L-4 | 30 | 125 | 918 | 421 | 355 | 1060 | 140 | 580 | / | 385 | 430 | 16 | φ24 |
| ESD100/20 | Y2-280S-2 | 75 | 125 | 1079 | 440 | 280 | 1205 | 125 | 670 | / | 530 | 580 | 16 | φ28 |
| | Y2-250M-2 | 55 | 125 | 1034 | 396 | 280 | 1160 | 125 | 640 | / | 470 | 515 | 16 | φ24 |
| | Y2-225M-2 | 45 | 125 | 924 | 340 | 280 | 1050 | 125 | 570 | / | 420 | 465 | 16 | φ24 |
| | Y2-160M-4 | 11 | 125 | 755 | 315 | 280 | 590 | 135 | 490 | / | 345 | 390 | 16 | φ24 |
| ESD100/26 | Y2-315S-2 | 110 | 140 | 1289 | 500 | 280 | 1430 | 140 | 400 | 400 | 610 | 660 | 16 | φ28 |
| | Y2-280M-2 | 90 | 140 | 1129 | 465 | 280 | 1270 | 140 | 700 | / | 530 | 580 | 16 | φ28 |
| | Y2-160L-4 | 15 | 140 | 785 | 340 | 280 | 925 | 140 | 500 | / | 385 | 430 | 16 | φ24 |
| ESD100/32 | Y2-180L-4 | 22 | 140 | 830 | 365 | 315 | 970 | 140 | 520 | / | 385 | 430 | 16 | φ24 |
| | Y2-180M-4 | 18.5 | 140 | 790 | 365 | 315 | 930 | 140 | 500 | / | 385 | 430 | 16 | φ24 |
| ESD100/40 | Y2-225M-4 | 45 | 140 | 988 | 440 | 355 | 1155 | 165 | 640 | / | 480 | 530 | 16 | φ28 |
| | Y2-225S-4 | 37 | 140 | 963 | 440 | 355 | 1130 | 165 | 630 | / | 480 | 530 | 16 | φ28 |
| ESD125/20 | Y2-280M-2 | 90 | 140 | 1129 | 440 | 315 | 1270 | 140 | 700 | / | 530 | 580 | 16 | φ28 |
| | Y2-160M-4 | 11 | 140 | 755 | 365 | 315 | 895 | 140 | 490 | / | 385 | 430 | 16 | φ24 |
| ESD125/26 | Y2-180L-4 | 22 | 140 | 830 | 365 | 355 | 970 | 140 | 520 | / | 385 | 430 | 16 | φ24 |
| | Y2-180M-4 | 18.5 | 140 | 790 | 365 | 355 | 930 | 140 | 500 | / | 385 | 430 | 16 | φ24 |
| ESD125/32 | Y2-200L-4 | 30 | 140 | 928 | 421 | 355 | 1085 | 155 | 590 | / | 485 | 530 | 16 | φ24 |
| | Y2-180L-4 | 22 | 140 | 866 | 421 | 355 | 1020 | 155 | 560 | / | 485 | 530 | 16 | φ24 |
| ESD125/40 | Y2-280S-4 | 75 | 140 | 1113 | 475 | 400 | 1280 | 165 | 700 | / | 480 | 530 | 16 | φ28 |
| | Y2-250M-4 | 55 | 140 | 1068 | 475 | 400 | 1235 | 165 | 680 | / | 480 | 530 | 16 | φ28 |
| ESD125/50 | Y2-315S-4 | 110 | 180 | 1410 | 560 | 500 | 1610 | 200 | 450 | 450 | 610 | 660 | 16 | φ28 |
| | Y2-280S-4 | 75 | 180 | 1160 | 535 | 500 | 1360 | 200 | 750 | / | 530 | 580 | 16 | φ28 |
| | Y2-250M-4 | 55 | 180 | 1115 | 535 | 500 | 1315 | 200 | 730 | / | 530 | 580 | 16 | φ28 |
| ESD150/20 | Y2-180M-4 | 18.5 | 160 | 815 | 426 | 400 | 975 | 160 | 530 | / | 535 | 580 | 16 | φ24 |

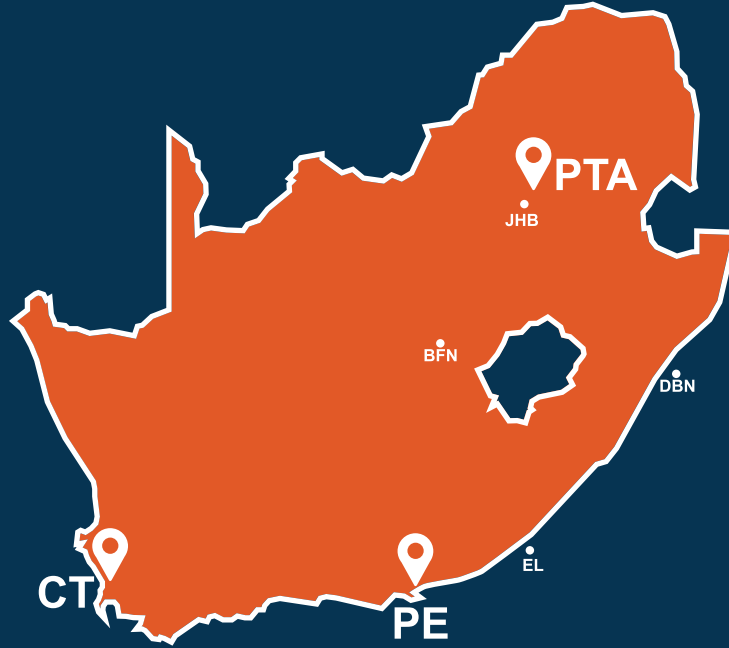
Size and Weight

| Model | Motor | | Installation Dimension | | | | | | | | | | | |
|-----------|-------------------------|------|------------------------|------|----------------|----------------|------|----------------|----------------|----------------|----------------|----------------|----|-----|
| | Motor Model | P | a | f | h ₁ | h ₂ | L | L ₁ | L ₂ | L ₃ | B ₁ | B ₂ | h | d |
| ESD150/20 | Y2-160L-4 | 15 | 160 | 810 | 426 | 400 | 970 | 160 | 530 | / | 535 | 580 | 16 | φ24 |
| ESD150/26 | Y2-200L-4 | 30 | 160 | 928 | 396 | 355 | 1090 | 160 | 590 | / | 535 | 580 | 16 | φ24 |
| | Y2-180L-4 | 22 | 160 | 866 | 396 | 355 | 1025 | 160 | 560 | / | 535 | 580 | 16 | φ24 |
| ESD150/32 | Y2-250M-4 | 55 | 160 | 1068 | 440 | 400 | 1230 | 160 | 680 | / | 530 | 580 | 16 | φ28 |
| | Y2-225M-4 | 45 | 160 | 988 | 440 | 400 | 1150 | 160 | 640 | / | 530 | 580 | 16 | φ28 |
| | Y2-225S-4 | 37 | 160 | 963 | 440 | 400 | 1125 | 160 | 630 | / | 530 | 580 | 16 | φ28 |
| ESD150/40 | Y2-280M-4 | 90 | 160 | 1163 | 475 | 450 | 1325 | 160 | 730 | / | 530 | 580 | 16 | φ28 |
| | Y2-280S-4 | 75 | 160 | 1113 | 475 | 450 | 1275 | 160 | 700 | / | 530 | 580 | 16 | φ28 |
| ESD150/50 | Y2-315L ₁ -4 | 160 | 180 | 1510 | 560 | 500 | 1690 | 180 | 480 | 480 | 610 | 660 | 16 | φ28 |
| | Y2-315M-4 | 132 | 180 | 1435 | 560 | 500 | 1615 | 180 | 450 | 450 | 610 | 660 | 16 | φ28 |
| | Y2-315S-4 | 110 | 180 | 1410 | 560 | 500 | 1590 | 180 | 450 | 450 | 610 | 660 | 16 | φ28 |
| ESD200/26 | Y2-200L-4 | 30 | 180 | 944 | 440 | 400 | 1125 | 180 | 610 | / | 530 | 580 | 16 | φ28 |
| | Y2-180L-4 | 22 | 180 | 882 | 440 | 400 | 1065 | 180 | 570 | / | 530 | 580 | 16 | φ28 |
| | Y2-180M-4 | 18.5 | 180 | 842 | 440 | 400 | 1025 | 180 | 550 | / | 530 | 580 | 16 | φ28 |
| ESD200/32 | Y2-280S-4 | 75 | 200 | 1160 | 540 | 450 | 1360 | 200 | 750 | / | 530 | 580 | 16 | φ28 |
| | Y2-250M-4 | 55 | 200 | 1115 | 515 | 450 | 1315 | 200 | 730 | / | 530 | 580 | 16 | φ28 |
| | Y2-225M-4 | 45 | 200 | 1035 | 515 | 450 | 1235 | 200 | 690 | / | 530 | 580 | 16 | φ28 |
| ESD200/40 | Y2-315M-4 | 132 | 200 | 1435 | 540 | 500 | 1635 | 200 | 450 | 450 | 610 | 660 | 16 | φ28 |
| | Y2-315S-4 | 110 | 200 | 1410 | 540 | 500 | 1610 | 200 | 450 | 450 | 610 | 660 | 16 | φ28 |
| | Y2-280M-4 | 90 | 200 | 1210 | 540 | 500 | 1410 | 200 | 770 | / | 530 | 580 | 16 | φ28 |
| ESD200/50 | Y2-355M-4 | 250 | 210 | 1620 | 625 | 500 | 1830 | 210 | 500 | 500 | 710 | 760 | 16 | φ28 |
| | Y2-315L ₂ -4 | 200 | 210 | 1515 | 625 | 500 | 1725 | 210 | 480 | 480 | 700 | 750 | 16 | φ28 |
| | Y2-315L ₁ -4 | 160 | 210 | 1515 | 625 | 500 | 1725 | 210 | 480 | 480 | 700 | 750 | 16 | φ28 |

Flange Dimension



| Perssure | DN | C | n-d | D | Perssure | DN | C | n-d | D |
|----------|------|--------|--------|------|----------|--------|------|--------|------|
| PN16 | φ32 | φ100 | 4-φ18 | φ140 | PN25 | φ32 | φ100 | 4-φ18 | φ140 |
| | φ40 | φ110 | 4-φ18 | φ150 | | φ40 | φ110 | 4-φ18 | φ150 |
| | φ50 | φ125 | 4-φ18 | φ165 | | φ50 | φ125 | 4-φ18 | φ165 |
| | φ65 | φ145 | 4-φ18 | φ185 | | φ65 | φ145 | 8-φ18 | φ185 |
| | φ80 | φ160 | 8-φ18 | φ200 | | φ80 | φ160 | 8-φ18 | φ200 |
| | φ100 | φ180 | 8-φ18 | φ220 | | φ100 | φ190 | 8-φ23 | φ230 |
| | φ125 | φ210 | 8-φ18 | φ250 | | φ125 | φ220 | 8-φ26 | φ270 |
| | φ150 | φ240 | 8-φ22 | φ285 | | φ150 | φ250 | 8-φ26 | φ300 |
| | φ200 | φ295 | 12-φ22 | φ340 | | φ200 | φ310 | 12-φ26 | φ360 |
| φ250 | φ355 | 12-φ26 | φ405 | φ250 | φ370 | 12-φ30 | φ425 | | |



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