

Series e-XC

DOUBLE SUCTION CENTRIFUGAL PUMPS - 50 HZ

TECHNICAL DATA & PERFORMANCE CURVES

TABLE OF CONTENTS

| | |
|--|-----------|
| Pump Selection and Technical Overview | 3 |
| List of Models and Pole Compatibility | 4 |
| Model Nomenclature – Product Identification | 6 |
| Family Performance Range | 7 |
| 2-Pole | 7 |
| 4-Pole | 7 |
| 6-Pole | 8 |
| 8-Pole | 8 |
| e-XC Pump Casing Data | 9 |
| e-XC Pump Casing Variants | 13 |
| e-XC Pump Exploded View and Seal Chamber Interchangeability | 14 |
| Exploded View | 14 |
| Seal Chamber Interchangeability Tables | 16 |
| Materials of Construction | 23 |
| Sealing Options and Information | 24 |
| Coupling, Motor, and Accessory Overview | 26 |
| e-XC Pump Dimensional Data | 28 |
| 80 mm [3 in.] Discharge | 29 |
| 100 mm [4 in.] Discharge | 30 |
| 125 mm [5 in.] Discharge | 32 |
| 150 mm [6 in.] Discharge | 34 |
| 200 mm [8 in.] Discharge | 36 |
| 250 mm [10 in.] Discharge | 38 |
| 300 mm [12 in.] Discharge | 40 |
| 350 mm [14 in.] Discharge | 42 |
| 400 mm [16 in.] Discharge | 44 |
| 450 mm [18 in.] Discharge | 46 |
| 500 mm [20 in.] Discharge | 47 |
| 600 mm [24 in.] Discharge | 48 |
| 700 mm [28 in.] Discharge | 50 |
| 800 mm [32 in.] Discharge | 52 |
| Flange Dimensions | 53 |
| 125# ANSI/AWWA Class D Drilling Dimensions | 53 |
| 250# ANSI/AWWA Class F Drilling Dimensions | 54 |
| DIN/PN16 Drilling Dimensions | 55 |
| DIN/PN25 Drilling Dimensions | 56 |
| DIN/PN40 Drilling Dimensions | 57 |

| | |
|---|------------|
| Shared Flange Dimensions (Flange Thickness) | 58 |
| Forces and Moments at Pump Flanges | 60 |
| Max Solid Sphere Data | 61 |
| Impeller Trimming Guidelines | 63 |
| Hydraulic Performances (2-Pole) | 81 |
| 80 mm [3 in.] Discharge | 82 |
| 100 mm [4 in.] Discharge | 83 |
| 125 mm [5 in.] Discharge | 85 |
| 150 mm [6 in.] Discharge | 87 |
| Hydraulic Performances (4-Pole) | 88 |
| 80 mm [3 in.] Discharge | 89 |
| 100 mm [4 in.] Discharge | 89 |
| 125 mm [5 in.] Discharge | 90 |
| 150 mm [6 in.] Discharge | 92 |
| 200 mm [8 in.] Discharge | 94 |
| 250 mm [10 in.] Discharge | 97 |
| 300 mm [12 in.] Discharge | 99 |
| 350 mm [14 in.] Discharge | 102 |
| 400 mm [16 in.] Discharge | 105 |
| 450 mm [18 in.] Discharge | 106 |
| 500 mm [20 in.] Discharge | 107 |
| Hydraulic Performances (6-Pole) | 108 |
| 250 mm [10 in.] Discharge | 109 |
| 300 mm [12 in.] Discharge | 109 |
| 350 mm [14 in.] Discharge | 110 |
| 400 mm [16 in.] Discharge | 111 |
| 600 mm [24 in.] Discharge | 113 |
| 700 mm [28 in.] Discharge | 115 |
| 800 mm [32 in.] Discharge | 116 |
| Hydraulic Performances (8-Pole) | 117 |
| 350 mm [14 in.] Discharge | 118 |
| 400 mm [16 in.] Discharge | 118 |
| 600 mm [24 in.] Discharge | 119 |
| 700 mm [28 in.] Discharge | 120 |
| NSF/ANSI 61 & NSF/ANSI 372 Statement | 122 |

Xylem e-XC split case pumps provide a powerful and efficient solution for a wide range of industries including oil & gas, power generation, water utilities, general industry, leisure and mining. It is a configurable single-stage horizontal split-case pump with extensive flow and head coverage and a common in-line configuration for easier installation of new and retrofit pumping systems. Applications include: water intake, water transfer & circulation, pressure boosting, process cooling and heating, industrial building cooling and heating, industrial fluid transfer & transport, produced water transfer & boosting, boiler feed booster and water park applications. Pumped fluids include: groundwater, potable water, process water, gray/used water, seawater, brackish water, industrial fluids, heat transfer fluids, produced water and solvents/oil.

Pump Selection

Using Xylem's selection software for pump selection will save you time due to its easy to use platform and selection flexibility. With ability to be designed and configured in a multitude of ways, the Xylem e-XC single stage, double suction centrifugal pump is available in a variety of sizes, models and materials which allow you to perfectly configure it for your system requirements.

Technical Overview

Hydraulic Specifications¹

Maximum flow: 12,960 m³/hr [57,061 GPM]

Maximum head: 266 m [873 ft.]

Fluid Temperature Range

Standard: -18 to 121°C [0 to 250°F]

Casing Operating Pressure

Cast Iron: 16 bar [232 psi]

Ductile Iron: 25 and 31 bar [363 and 450 psi]²

Flange Drilling Specifications

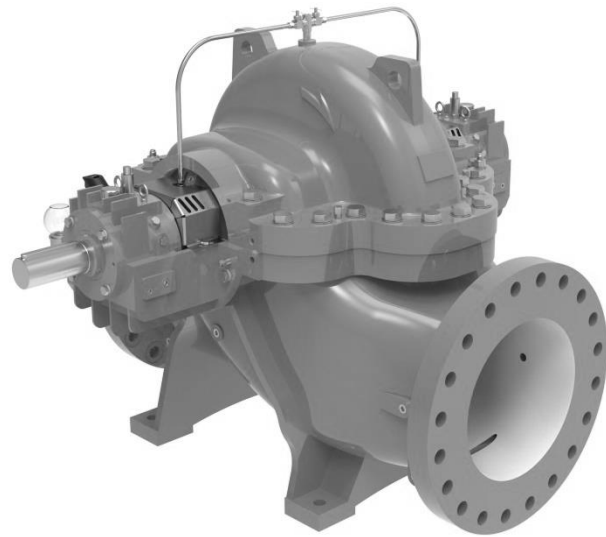
DIN 16/25/40, EN 1092-1

125# and 250#, ASME/ANSI B16.1³

AWWA Class D, Class F³

Assembly Configurations

1. Mechanical seal on shaft sleeve⁴
2. Cartridge seal on shaft sleeve
3. Packing on shaft sleeve
4. Mechanical seal on shaft
5. Cartridge seal on shaft



¹Hydraulic performances compliant with ANSI/HI 14.6 and ISO 9906:2012 (Grade 2B)

²A select few ductile iron casings are restricted to the 16 bar [232 psi] working pressure classification

³Optional drilling specifications

⁴Standard configuration

List of Models and Pole Compatibility (50Hz)

| No. | e-XC Pump Model | | Imperial Equivalent | | 2-Pole | 4-Pole | 6-Pole | 8-Pole |
|-----|-----------------|---------|---------------------|------------|--------|--------|--------|--------|
| 1 | 80-215 | 80-205 | 3X5X8.5 | 3X5X8 | • | | | |
| 2 | 80-285 | 80-270 | 3X5X11 | 3X5X10.5 | • | | | |
| 3 | 80-315 | 80-300 | 3X5X12.5 | 3X5X12 | • | | | |
| 4 | 80-345 | 80-330 | 3X5X13.5 | 3X5X13 | | • | | |
| 5 | 100-165 | 100-155 | 4X5X6.5 | 4X5X6 | • | | | |
| 6 | 100-260 | 100-250 | 4X6X10 | 4X6X9.5 | • | | | |
| 7 | 100-325 | 100-310 | 4X6X13 | 4X6X12 | • | | | |
| 8 | 100-365 | 100-350 | 4X6X14.5 | 4X6X13.5 | | • | | |
| 9 | 100-410 | 100-390 | 4X6X16 | 4X6X15.5 | | • | • | |
| 10 | 125-195 | 125-185 | 5X6X7.5 | 5X6X7 | • | | | |
| 11 | 125-225 | 125-215 | 5X6X9 | 5X6X8.5 | | • | | |
| 12 | 125-245 | 125-235 | 5X8X9.5 | 5X8X9 | • | | | |
| 13 | 125-300 | 125-285 | 5X8X12 | 5X8X11 | • | | | |
| 14 | 125-355 | 125-335 | 5X8X14 | 5X8X13.5 | • | | | |
| 15 | 125-390 | 125-370 | 5X8X15.5 | 5X8X14.5 | | • | | |
| 16 | 125-475 | 125-450 | 5X8X19 | 5X8X18 | | • | | |
| 17 | 150-170 | 150-160 | 6X8X6.5 | 6X8X6 | | • | | |
| 18 | 150-300 | 150-285 | 6X8X12 | 6X8X11 | | • | | |
| 19 | 150-355 | 150-340 | 6X8X14 | 6X8X13.5 | | • | | |
| 20 | 150-455 | 150-435 | 6X8X18 | 6X8X17 | | • | | |
| 21 | 150-560 | 150-535 | 6X8X22 | 6X8X21 | | • | | |
| 22 | 150-280 | 150-265 | 6X10X11 | 6X10X10.5 | • | | | |
| 23 | 200-200 | 200-190 | 8X8X8 | 8X8X7.5 | | • | | |
| 24 | 200-250 | 200-240 | 8X10X10 | 8X10X9.5 | | • | | |
| 25 | 200-345 | 200-330 | 8X10X13.5 | 8X10X13 | | • | | |
| 26 | 200-425 | 200-405 | 8X10X17 | 8X10X16 | | • | | |
| 27 | 200-530 | 200-505 | 8X10X21 | 8X10X20 | | • | | |
| 28 | 200-655 | 200-625 | 8X10X26 | 8X10X25 | | • | | |
| 29 | 250-200 | 250-190 | 10X10X8 | 10X10X7.5 | | • | | |
| 30 | 250-390 | 250-370 | 10X12X15.5 | 10X12X14.5 | | • | | |
| 31 | 250-480 | 250-455 | 10X12X19 | 10X12X18 | | • | | |
| 32 | 250-610 | 250-580 | 10X12X24 | 10X12X23 | | • | | |
| 33 | 250-770 | 250-730 | 10X12X30 | 10X12X28.5 | | | • | |
| 34 | 300-225 | 300-215 | 12X12X9 | 12X12X8.5 | | • | | |
| 35 | 300-255 | 300-245 | 12X12X10 | 12X12X9.5 | | • | | |
| 36 | 300-330 | 300-315 | 12X14X13 | 12X14X12.5 | | • | | |
| 37 | 300-450 | 300-430 | 12X16X18 | 12X16X17 | | • | | |
| 38 | 300-550 | 300-525 | 12X16X22 | 12X16X21 | | • | | |
| 39 | 300-705 | 300-680 | 12X16X28 | 12X16X27 | | • | | |
| 40 | 350-300 | 350-285 | 14X14X12 | 14X14X11 | | • | | |
| 41 | 350-385 | 350-365 | 14X16X15 | 14X16X14.5 | | • | | |

List of Models and Pole Compatibility (50Hz – Cont.)

| No. | e-XC Pump Model | | Imperial Equivalent | | 2-Pole | 4-Pole | 6-Pole | 8-Pole |
|-----|-----------------|----------|---------------------|------------|--------|--------|--------|--------|
| 42 | 350-690 | 350-655 | 14X16X27.5 | 14X16X26 | | • | | |
| 43 | 350-780 | 350-745 | 14X16X30.5 | 14X16X29 | | | • | |
| 44 | 350-450 | 350-430 | 14X18X18 | 14X18X17 | | • | | |
| 45 | 350-530 | 350-505 | 14X18X21 | 14X18X20 | | • | | |
| 46 | 350-685 | 350-650 | 14X20X26.5 | 14X20X25.5 | | | • | |
| 47 | 350-845 | 350-805 | 14X20X33 | 14X20X31.5 | | | | • |
| 48 | 400-340 | 400-325 | 16X16X13.5 | 16X16X13 | | • | | |
| 49 | 400-525 | 400-500 | 16X20X20.5 | 16X20X19.5 | | • | | |
| 50 | 400-535 | 400-510 | 16X20X21 | 16X20X20 | | | • | |
| 51 | 400-580 | 400-550 | 16X20X23 | 16X20X22 | | • | | |
| 52 | 400-800 | 400-760 | 16X24X31.5 | 16X24X29.5 | | | • | |
| 53 | 400-970 | 400-925 | 16X24X38 | 16X24X34 | | | | • |
| 54 | 450-390 | 450-370 | 18X20X15.5 | 18X20X14.5 | | • | | |
| 55 | 500-450 | 500-430 | 20X24X18 | 20X24X17 | | • | | |
| 56 | 500-525 | 500-500 | 20X24X20.5 | 20X24X19.5 | | | • | |
| 57 | 500-625 | 500-605 | 20X24X24.5 | 20X24X23.5 | | | • | |
| 58 | 500-715 | 500-690 | 20X28X28 | 20X28X27 | | | • | |
| 59 | 500-920 | 500-875 | 20X28X36 | 20X28X34 | | | • | |
| 60 | 600-575 | 600-540 | 24X28X22.5 | 24X28X21 | | | • | |
| 61 | 600-610 | 600-580 | 24X28X24 | 24X28X23 | | | • | |
| 62 | 600-810 | 600-770 | 24X32X31.5 | 24X32X30 | | | • | |
| 63 | 600-1000 | 600-950 | 24X32X39 | 24X32X37 | | | | • |
| 64 | 600-1115 | 600-1060 | 24X32X43.5 | 24X32X41.5 | | | | • |
| 65 | 700-535 | 700-505 | 28X28X21 | 28X28X19.5 | | | • | |
| 66 | 700-615 | 700-585 | 28X32X23.5 | 28X32X23 | | | • | |
| 67 | 700-670 | 700-635 | 28X32X26 | 28X32X25 | | | • | |
| 68 | 700-775 | 700-735 | 28X32X30.5 | 28X32X28.5 | | | | • |
| 69 | 700-870 | 700-830 | 28X32X34 | 28X32X32.5 | | | | • |
| 70 | 700-995 | 700-945 | 28X36X39 | 28X36X37 | | | | • |
| 71 | 800-590 | 800-560 | 32X32X23 | 32X32X22 | | | • | |

Shorthand Model Nomenclature

Metric Model Nomenclature Example

| Model Name | Discharge Diameter | Impeller Diameter ¹ |
|------------|--------------------|--------------------------------|
| 80-215 | 80 mm | 215 mm |

¹Impeller diameter roughly correlates to the basic non-trimmed impeller diameter

Imperial Model Nomenclature Example

| Model Name | Discharge Diameter | Suction Diameter | Impeller Diameter ¹ |
|------------|--------------------|------------------|--------------------------------|
| 3X5X8.5 | 3 in. | 5 in. | 8.5 in. |

¹Impeller diameter roughly correlates to the basic non-trimmed impeller diameter.

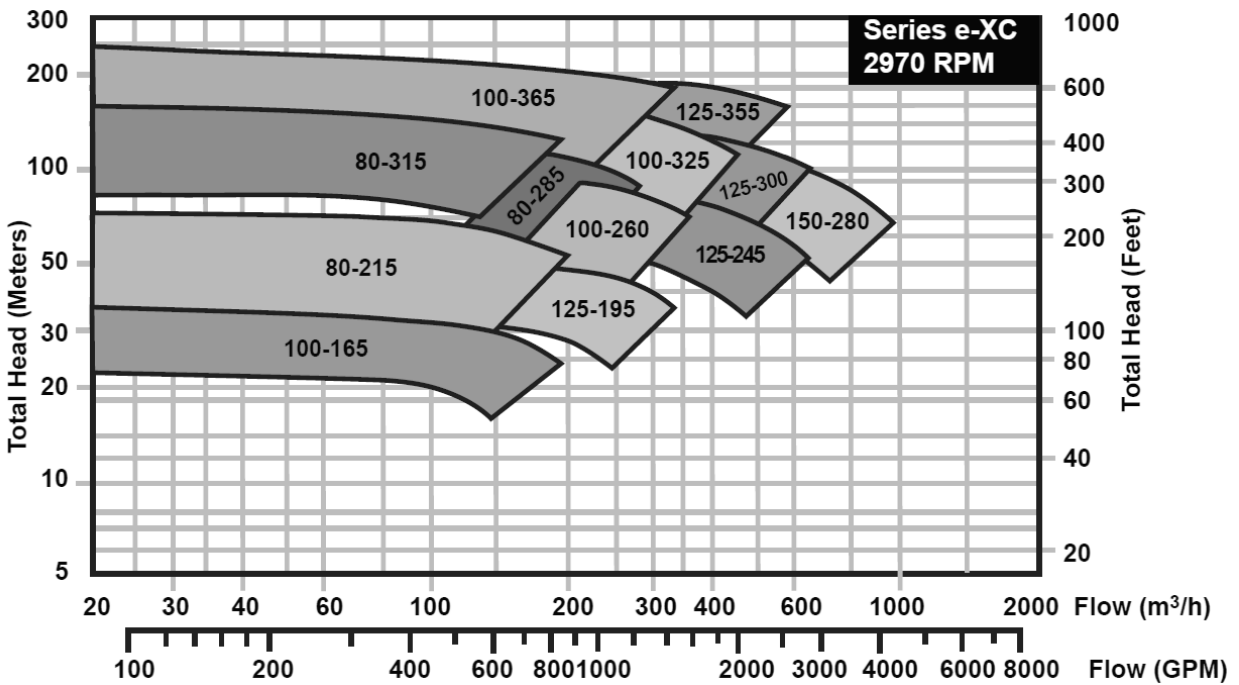
Model Nomenclature – Product Identification

| Pump Series | | | Pump Size | | | | | | | | | Motor Power | | | | Voltage | | Poles | Pump Rotation | Coupling | Enclosure | Motor Frame | | Flange | | Pump material | | | Drive | Spec | Open | Open | | |
|-------------|---|---|-----------|---|---|---|---|---|----|----|----|-------------|----|----|----|---------|----|-------|---------------|----------|-----------|-------------|----|--------|----|---------------|----|----|-------|------|------|------|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |
| e | X | C | 6 | 0 | 0 | - | 1 | 1 | 1 | 5 | / | 2 | 8 | 0 | 0 | K | 5 | H | 4 | C | N | T | 1 | 6 | D | 2 | C | C | 4 | C | 1 | X | | |

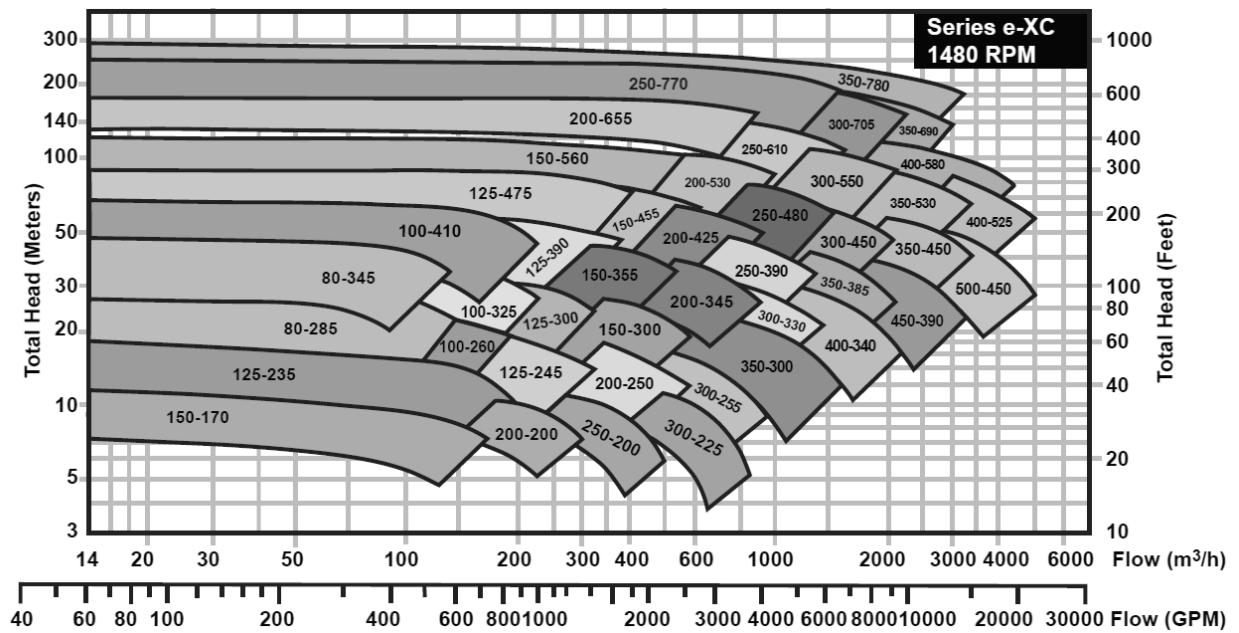
Legend

| No. | Description |
|-----|------------------------------------|
| 1 | Pump series name field |
| 2 | |
| 3 | |
| 4 | Pump model name field |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | Separator |
| 13 | |
| 14 | Motor power value |
| 15 | |
| 16 | |
| 17 | Motor power unit (kW/hp) |
| 18 | Frequency, phase, and voltage code |
| 19 | |
| 20 | Number of poles (2/4/6/8) |
| 21 | Pump rotation direction (CW/CCW) |
| 22 | Coupling type (spacer/non-spacer) |
| 23 | Motor enclosure type (ODP/TEFC) |
| 24 | Motor frame code |
| 25 | |
| 26 | Flange design (ANSI/DIN) |
| 27 | Flange class (16/25/40/125#/250#) |
| 28 | Casing material code |
| 29 | Impeller material code |
| 30 | Mechanical seal material code |
| 31 | Bearing lubrication (grease/oil) |
| 32 | Drive code |
| 33 | Special configuration code |
| 34 | Open field |
| 35 | Open field |

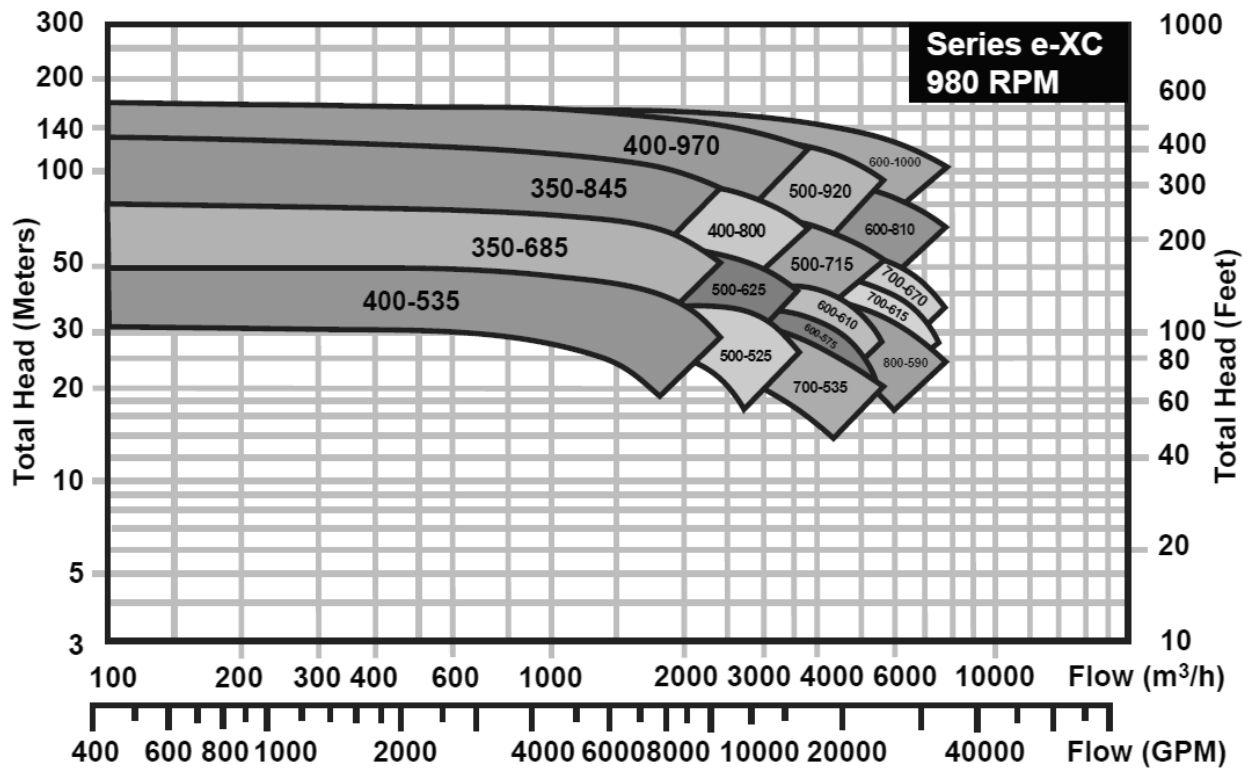
50 Cycle Performance Range – 2 Pole



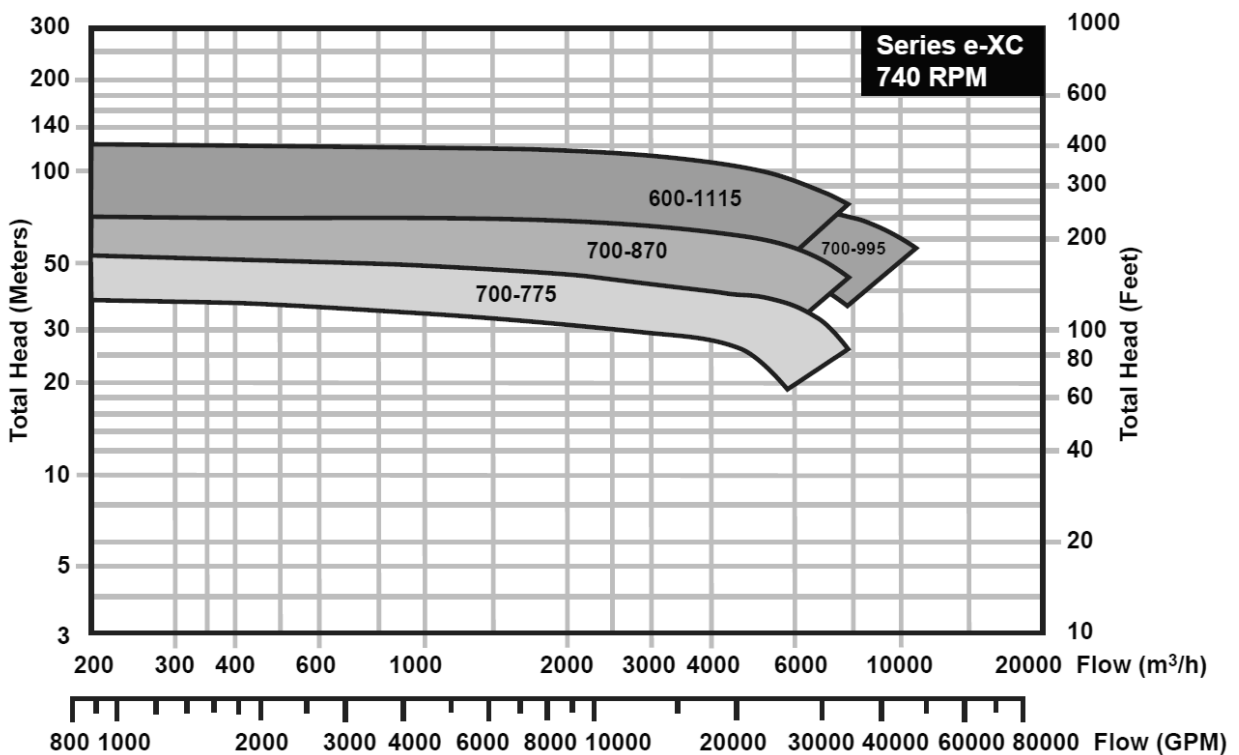
50 Cycle Performance Range – 4 Pole



50 Cycle Performance Range – 6 Pole



50 Cycle Performance Range – 8 Pole



e-XC Pump Casing Data (60Hz)

Pump casing designs and characteristics vary within the e-XC pump family. The table below outlines casing properties by pump model. Cast iron is the standard casing material option in instances where both cast iron and ductile iron casings are available for the same pump model. Pressure ratings indicate max working pressure of the pump. For details regarding drop-in and integrated seal chamber designs, see 'e-XC Pump Casing Variants'.

| No. | e-XC Pump Model | | Seal Chamber Type | Volute Type | Cast Iron (175 psi) | Ductile Iron (175 psi) | Ductile Iron (400 psi) | Ductile Iron (450 psi) |
|-----|-----------------|------------|-------------------|-------------|---------------------|------------------------|------------------------|------------------------|
| 1 | 3X5X8.5 | 3X5X8 | Drop-in | Single | • | | • | |
| 2 | 3X5X11 | 3X5X10.5 | Drop-in | Single | • | | • | |
| 3 | 3X5X12.5 | 3X5X12 | Drop-in | Single | | | • | |
| 4 | 3X5X13.5 | 3X5X13 | Drop-in | Single | • | | • | |
| 5 | 4X5X6.5 | 4X5X6 | Drop-in | Single | • | | • | |
| 6 | 4X6X10 | 4X6X9.5 | Drop-in | Single | • | | • | |
| 7 | 4X6X13 | 4X6X12 | Drop-in | Single | • | | | • |
| 8 | 4X6X14.5 | 4X6X13.5 | Drop-in | Single | • | | • | |
| 9 | 4X6X16 | 4X6X15.5 | Drop-in | Single | • | | • | |
| 10 | 5X6X7.5 | 5X6X7 | Drop-in | Single | • | | • | |
| 11 | 5X8X9 | 5X8X8.5 | Drop-in | Single | • | | • | |
| 12 | 5X8X9.5 | 5X8X9 | Drop-in | Single | • | | • | |
| 13 | 5X8X12 | 5X8X11 | Drop-in | Single | • | | • | |
| 14 | 5X8X14 | 5X8X13.5 | Drop-in | Single | • | | | • |
| 15 | 5X8X15.5 | 5X8X14.5 | Drop-in | Single | • | | • | |
| 16 | 5X8X19 | 5X8X18 | Drop-in | Single | • | | • | |
| 17 | 6X8X6.5 | 6X8X6 | Drop-in | Single | • | | • | |
| 18 | 6X8X12 | 6X8X11 | Drop-in | Single | • | | • | |
| 19 | 6X8X14 | 6X8X13.5 | Drop-in | Single | • | | • | |
| 20 | 6X8X18 | 6X8X17 | Drop-in | Single | • | | • | |
| 21 | 6X8X22 | 6X8X21 | Drop-in | Dual | | | • | |
| 22 | 6X10X11 | 6X10X10.5 | Drop-in | Single | | | • | |
| 23 | 8X8X8 | 8X8X7.5 | Drop-in | Single | • | | • | |
| 24 | 8X10X10 | 8X10X9.5 | Drop-in | Single | • | | • | |
| 25 | 8X10X13.5 | 8X10X13 | Drop-in | Single | • | | • | |
| 26 | 8X10X17 | 8X10X16 | Drop-in | Single | • | | • | |
| 27 | 8X10X21 | 8X10X20 | Drop-in | Dual | | | • | |
| 28 | 8X10X26 | 8X10X25 | Drop-in | Dual | | | | • |
| 29 | 10X10X8 | 10X10X7.5 | Drop-in | Dual | • | | • | |
| 30 | 10X12X15.5 | 10X12X14.5 | Drop-in | Single | • | | • | |
| 31 | 10X12X19 | 10X12X18 | Drop-in | Single | • | | • | |
| 32 | 10X12X24 | 10X12X23 | Drop-in | Dual | | | • | |
| 33 | 10X12X30 | 10X12X28.5 | Drop-in | Dual | | | • | |
| 34 | 12X12X9 | 12X12X8.5 | Drop-in | Dual | • | | • | |
| 35 | 12X12X10 | 12X12X9.5 | Drop-in | Dual | • | | • | |
| 36 | 12X14X13 | 12X14X12.5 | Drop-in | Single | • | | • | |
| 37 | 12X16X18 | 12X16X17 | Drop-in | Single | • | | • | |
| 38 | 12X16X22 | 12X16X21 | Drop-in | Single | | | • | |
| 39 | 12X16X28 | 12X16X27 | Drop-in | Dual | | | | • |
| 40 | 14X14X12 | 14X14X11 | Drop-in | Dual | • | | • | |
| 41 | 14X16X15 | 14X16X14.5 | Drop-in | Single | • | | • | |

e-XC Pump Casing Data Continued (60Hz)

| No. | e-XC Pump Model | | Seal Chamber Type | Volute Type | Cast Iron (175 psi) | Ductile Iron (175 psi) | Ductile Iron (400 psi) | Ductile Iron (450 psi) |
|-----|-----------------|------------|-------------------|-------------|---------------------|------------------------|------------------------|------------------------|
| 42 | 14X16X27.5 | 14X16X26 | Drop-in | Dual | | | | • |
| 43 | 14X16X30.5 | 14X16X29 | Integrated | Dual | • | | • | |
| 44 | 14X18X18 | 14X18X17 | Drop-in | Dual | • | | • | |
| 45 | 14X18X21 | 14X18X20 | Drop-in | Dual | • | | • | |
| 46 | 14X20X26.5 | 14X20X25.5 | Integrated | Dual | | • | | |
| 47 | 14X20X33 | 14X20X31.5 | Integrated | Dual | | | • | |
| 48 | 16X16X13.5 | 16X16X13 | Drop-in | Dual | • | | • | |
| 49 | 16X20X20.5 | 16X20X19.5 | Drop-in | Dual | | | • | |
| 50 | 16X20X21 | 16X20X20 | Drop-in | Single | • | • | | |
| 51 | 16X20X23 | 16X20X22 | Drop-in | Dual | | | • | |
| 52 | 16X24X31.5 | 16X24X29.5 | Integrated | Dual | | | • | |
| 53 | 16X24X38 | 16X24X34 | Integrated | Dual | | | • | |
| 54 | 18X20X15.5 | 18X20X14.5 | Drop-in | Dual | • | | • | |
| 55 | 20X24X18 | 20X24X17 | Drop-in | Dual | • | | • | |
| 56 | 20X24X20.5 | 20X24X19.5 | Integrated | Dual | | • | | |
| 57 | 20X24X24.5 | 20X24X23.5 | Integrated | Dual | | • | | |
| 58 | 20X28X28 | 20X28X27 | Integrated | Dual | | | • | |
| 59 | 20X28X36 | 20X28X34 | Integrated | Dual | | | • | |
| 60 | 24X28X22.5 | 24X28X21 | Integrated | Dual | | • | | |
| 61 | 24X28X24 | 24X28X23 | Integrated | Dual | | • | | |
| 62 | 24X32X31.5 | 24X32X30 | Integrated | Dual | | • | | |
| 63 | 24X32X39 | 24X32X37 | Integrated | Dual | | | • | |
| 64 | 24X32X43.5 | 24X32X41.5 | Integrated | Dual | | | • | |
| 65 | 28X28X21 | 28X28X19.5 | Integrated | Dual | | | • | |
| 66 | 28X32X23.5 | 28X32X23 | Integrated | Dual | | | • | |
| 67 | 28X32X26 | 28X32X25 | Integrated | Dual | | | • | |
| 68 | 28X32X30.5 | 28X32X28.5 | Integrated | Dual | | | • | |
| 69 | 28X32X34 | 28X32X32.5 | Integrated | Dual | | | • | |
| 70 | 28X36X39 | 28X36X37 | Integrated | Dual | | | • | |
| 71 | 32X32X23 | 32X32X22 | Integrated | Dual | | | • | |

e-XC Pump Casing Data (50Hz)

Pump casing designs and characteristics vary within the e-XC pump family. The table below outlines casing properties by pump model. Cast iron is the standard casing material option in instances where both cast iron and ductile iron casings are available for the same pump model. Pressure ratings indicate max working pressure of the pump. For details regarding drop-in and integrated seal chamber designs, see 'e-XC Pump Casing Variants'.

| No. | e-XC Pump Model | | Seal Chamber Type | Volute Type | Cast Iron (16 bar) | Ductile Iron (16 bar) | Ductile Iron (25 bar) | Ductile Iron (31 bar) |
|-----|-----------------|---------|-------------------|-------------|--------------------|-----------------------|-----------------------|-----------------------|
| 1 | 80-215 | 80-205 | Drop-in | Single | • | | • | |
| 2 | 80-285 | 80-270 | Drop-in | Single | • | | • | |
| 3 | 80-315 | 80-300 | Drop-in | Single | | | • | |
| 4 | 80-345 | 80-330 | Drop-in | Single | • | | • | |
| 5 | 100-165 | 100-155 | Drop-in | Single | • | | • | |
| 6 | 100-260 | 100-250 | Drop-in | Single | • | | • | |
| 7 | 100-325 | 100-310 | Drop-in | Single | • | | | • |
| 8 | 100-365 | 100-350 | Drop-in | Single | • | | • | |
| 9 | 100-410 | 100-390 | Drop-in | Single | • | | • | |
| 10 | 125-195 | 125-185 | Drop-in | Single | • | | • | |
| 11 | 125-225 | 125-215 | Drop-in | Single | • | | • | |
| 12 | 125-245 | 125-235 | Drop-in | Single | • | | • | |
| 13 | 125-300 | 125-285 | Drop-in | Single | • | | • | |
| 14 | 125-355 | 125-335 | Drop-in | Single | • | | | • |
| 15 | 125-390 | 125-370 | Drop-in | Single | • | | • | |
| 16 | 125-475 | 125-450 | Drop-in | Single | • | | • | |
| 17 | 150-170 | 150-160 | Drop-in | Single | • | | • | |
| 18 | 150-300 | 150-285 | Drop-in | Single | • | | • | |
| 19 | 150-355 | 150-340 | Drop-in | Single | • | | • | |
| 20 | 150-455 | 150-435 | Drop-in | Single | • | | • | |
| 21 | 150-560 | 150-535 | Drop-in | Dual | | | • | |
| 22 | 150-280 | 150-265 | Drop-in | Single | | | • | |
| 23 | 200-200 | 200-190 | Drop-in | Single | • | | • | |
| 24 | 200-250 | 200-240 | Drop-in | Single | • | | • | |
| 25 | 200-345 | 200-330 | Drop-in | Single | • | | • | |
| 26 | 200-425 | 200-405 | Drop-in | Single | • | | • | |
| 27 | 200-530 | 200-505 | Drop-in | Dual | | | • | |
| 28 | 200-655 | 200-625 | Drop-in | Dual | | | | • |
| 29 | 250-200 | 250-190 | Drop-in | Dual | • | | • | |
| 30 | 250-390 | 250-370 | Drop-in | Single | • | | • | |
| 31 | 250-480 | 250-455 | Drop-in | Single | • | | • | |
| 32 | 250-610 | 250-580 | Drop-in | Dual | | | • | |
| 33 | 250-770 | 250-730 | Drop-in | Dual | | | • | |
| 34 | 300-225 | 300-215 | Drop-in | Dual | • | | • | |
| 35 | 300-255 | 300-245 | Drop-in | Dual | • | | • | |
| 36 | 300-330 | 300-315 | Drop-in | Single | • | | • | |
| 37 | 300-450 | 300-430 | Drop-in | Single | • | | • | |
| 38 | 300-550 | 300-525 | Drop-in | Single | | | • | |
| 39 | 300-705 | 300-680 | Drop-in | Dual | | | | • |
| 40 | 350-300 | 350-285 | Drop-in | Dual | • | | • | |
| 41 | 350-385 | 350-365 | Drop-in | Single | • | | • | |

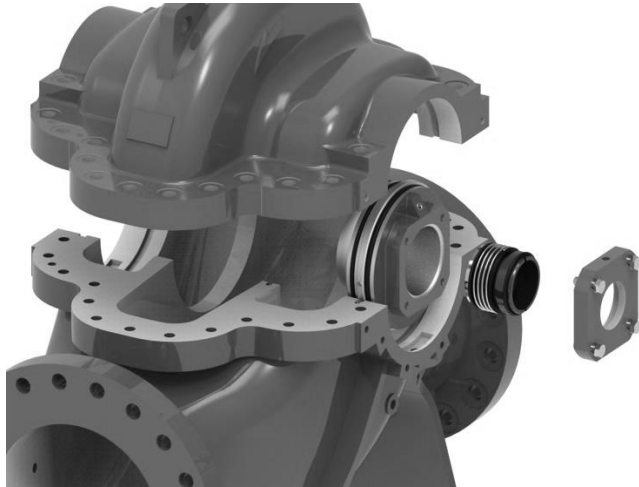
e-XC Pump Casing Data Continued (50Hz)

| No. | e-XC Pump Model | | Seal Chamber Type | Volute Type | Cast Iron (16 bar) | Ductile Iron (16 bar) | Ductile Iron (25 bar) | Ductile Iron (31 bar) |
|-----|-----------------|----------|-------------------|-------------|--------------------|-----------------------|-----------------------|-----------------------|
| 42 | 350-690 | 350-655 | Drop-in | Dual | | | | • |
| 43 | 350-780 | 350-745 | Integrated | Dual | • | | | |
| 44 | 350-450 | 350-430 | Drop-in | Dual | • | | • | |
| 45 | 350-530 | 350-505 | Drop-in | Dual | • | | • | |
| 46 | 350-685 | 350-650 | Integrated | Dual | • | | | |
| 47 | 350-845 | 350-805 | Integrated | Dual | | | • | |
| 48 | 400-340 | 400-325 | Drop-in | Dual | • | | • | |
| 49 | 400-525 | 400-500 | Drop-in | Dual | | | • | |
| 50 | 400-535 | 400-510 | Drop-in | Dual | • | | | |
| 51 | 400-580 | 400-550 | Drop-in | Dual | | | • | |
| 52 | 400-800 | 400-760 | Integrated | Dual | | | • | |
| 53 | 400-970 | 400-925 | Integrated | Dual | | | • | |
| 54 | 450-390 | 450-370 | Drop-in | Dual | • | | • | |
| 55 | 500-450 | 500-430 | Drop-in | Dual | • | | • | |
| 56 | 500-525 | 500-500 | Integrated | Dual | • | | | |
| 57 | 500-625 | 500-605 | Integrated | Dual | • | | | |
| 58 | 500-715 | 500-690 | Integrated | Dual | • | | | |
| 59 | 500-920 | 500-875 | Integrated | Dual | | | • | |
| 60 | 600-575 | 600-540 | Integrated | Dual | • | | | |
| 61 | 600-610 | 600-580 | Integrated | Dual | • | | | |
| 62 | 600-810 | 600-770 | Integrated | Dual | | • | | |
| 63 | 600-1000 | 600-950 | Integrated | Dual | | | • | |
| 64 | 600-1115 | 600-1060 | Integrated | Dual | | | • | |
| 65 | 700-535 | 700-505 | Integrated | Dual | • | | | |
| 66 | 700-615 | 700-585 | Integrated | Dual | • | | | |
| 67 | 700-670 | 700-635 | Integrated | Dual | • | | | |
| 68 | 700-775 | 700-735 | Integrated | Dual | • | | | |
| 69 | 700-870 | 700-830 | Integrated | Dual | • | | | |
| 70 | 700-995 | 700-945 | Integrated | Dual | | | • | |
| 71 | 800-590 | 800-560 | Integrated | Dual | • | | | |

e-XC Pump Casing Variants

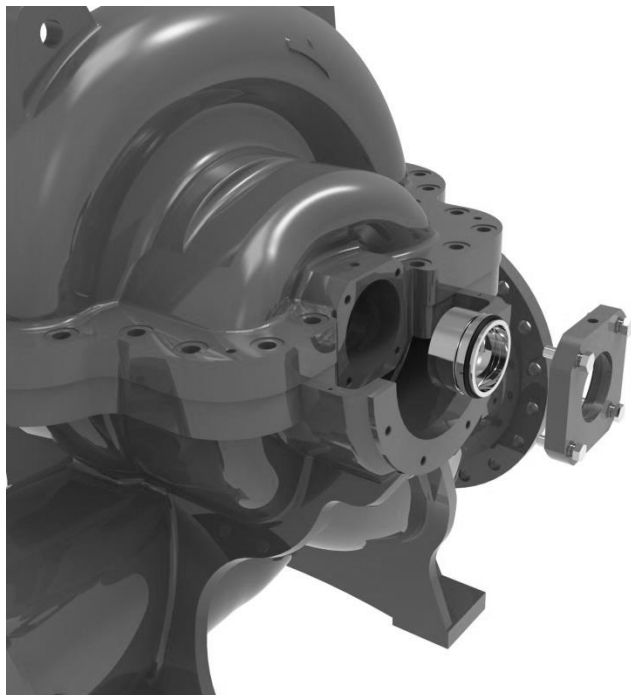
Drop-in Stuffing Box Design (Drop-in Seal Chamber)

The drop-in stuffing box design utilizes a removable stuffing box. This design allows a pre-assembled rotating assembly to be installed into the lower casing. Seal gland, cartridge seals, and packing glands are affixed to the stuffing box in for this design variant. Flush lines connect to seal gland or stuffing box ports for all sealing configurations.



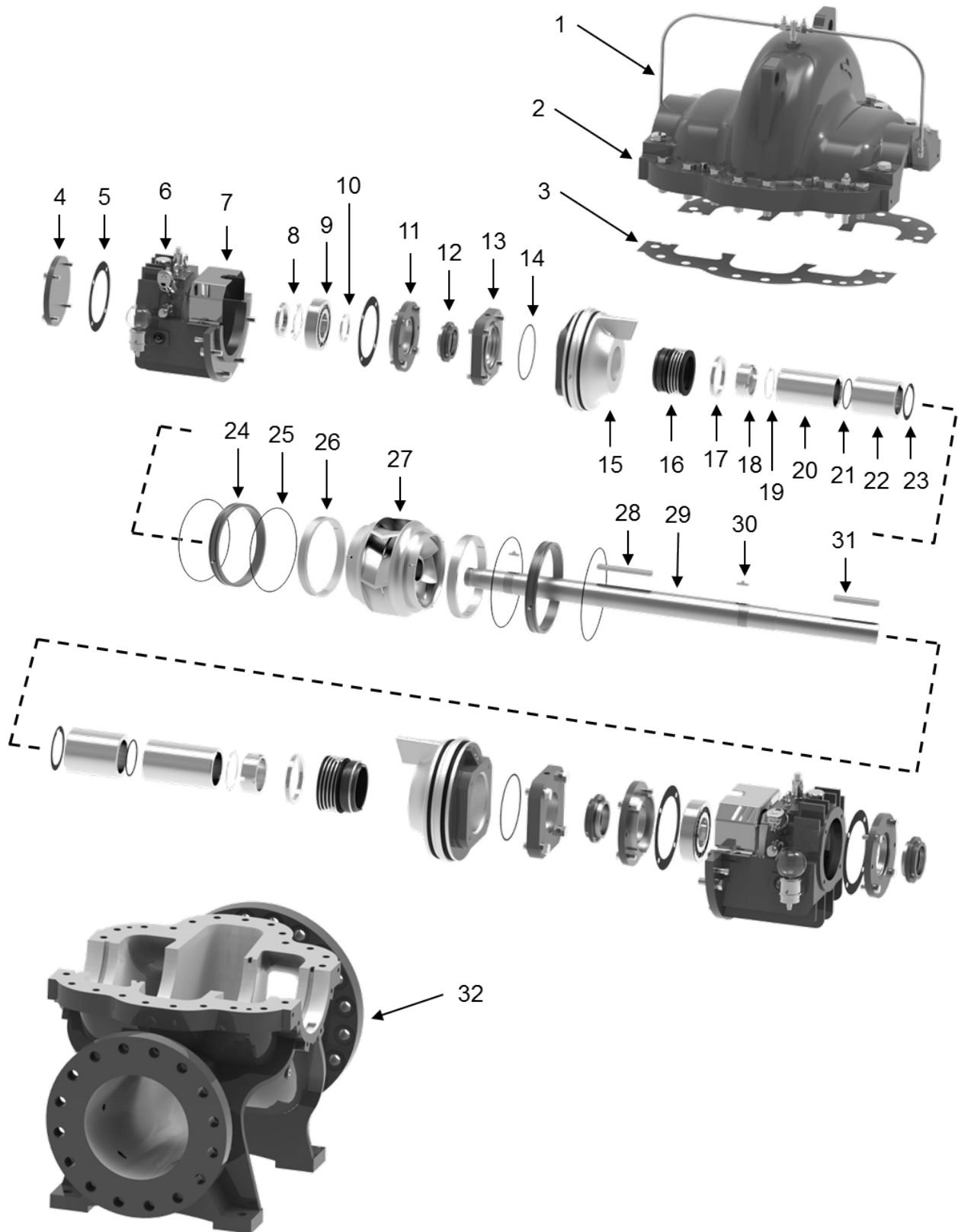
Integrated Stuffing Box Design (Integrated Seal Chamber)

The integrated stuffing box design omits the need for a separate stuffing box. Instead, the upper and lower casing halves form a seal chamber when the pump is assembled. Seal gland, cartridge seals, and packing glands are fastened directly to the pump casing. Flush lines connect to seal gland ports for mechanical and cartridge seal configurations. Flush lines connect to ports located on top of the upper casing for the packing seal configuration.



e-XC Pump Exploded View (Standard Offering Configuration)

Drop-in Stuffing Box (Item 15) Design



Exploded View Legend¹

Drop-in Stuffing Box Design

| No. | Description |
|-----|--|
| 1 | External flush line |
| 2 | Upper casing |
| 3 | Gasket (parting flange) |
| 4 | Outboard end cap |
| 5 | Gasket (bearing gland) |
| 6 | Bearing housing |
| 7 | Shaft guard |
| 8 | Locknut and tab washer (outboard bearing only) |
| 9 | Deep groove ball bearing (single row) |
| 10 | Shoulder ring (outboard bearing only) |
| 11 | Bearing gland |
| 12 | Bearing seal ring (labyrinth seal) |
| 13 | Seal gland |
| 14 | O-ring (seal gland) |
| 15 | Stuffing box with O-rings |
| 16 | Mechanical seal |
| 17 | Drive ring |
| 18 | Shaft sleeve nut |
| 19 | Tab washer (shaft sleeve nut) |
| 20 | Shaft sleeve |
| 21 | O-ring (shaft sleeve) |
| 22 | Impeller hub sleeve |
| 23 | Gasket (impeller hub sleeve) |
| 24 | Casing wear ring |
| 25 | O-ring (casing wear ring) |
| 26 | Impeller wear ring |
| 27 | Impeller |
| 28 | Impeller Key |
| 29 | Shaft |
| 30 | Heterotype key (shaft sleeve) |
| 31 | Coupling key |
| 32 | Lower casing |

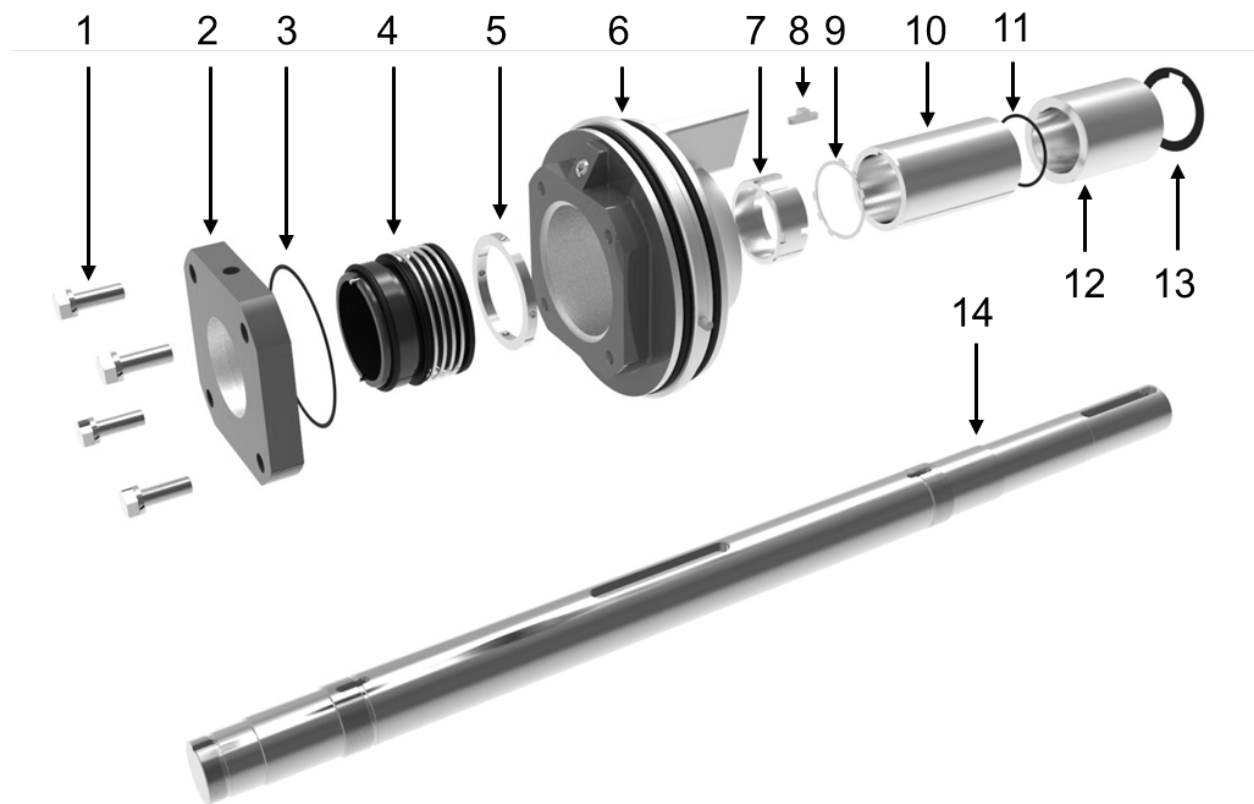
¹The integrated stuffing box design assembly is identical to the drop-in assembly with the exception of items related to the stuffing box (item 15).

Seal Chamber Interchangeability Charts

The diagrams below show the seal chamber components required for each seal configuration. The interchangeability tables map out how to switch from the standard seal configuration to any other configuration. These tables only map out how to change from a dry to wet shaft configuration between the standard seal configurations for each shaft type. Consult the factory for information regarding seal interchangeabilities not outlined in this document. The diagrams below depict seal configurations for the drop-in stuffing box casing design. For integrated stuffing box casing designs, simply omit the stuffing box and its related components.

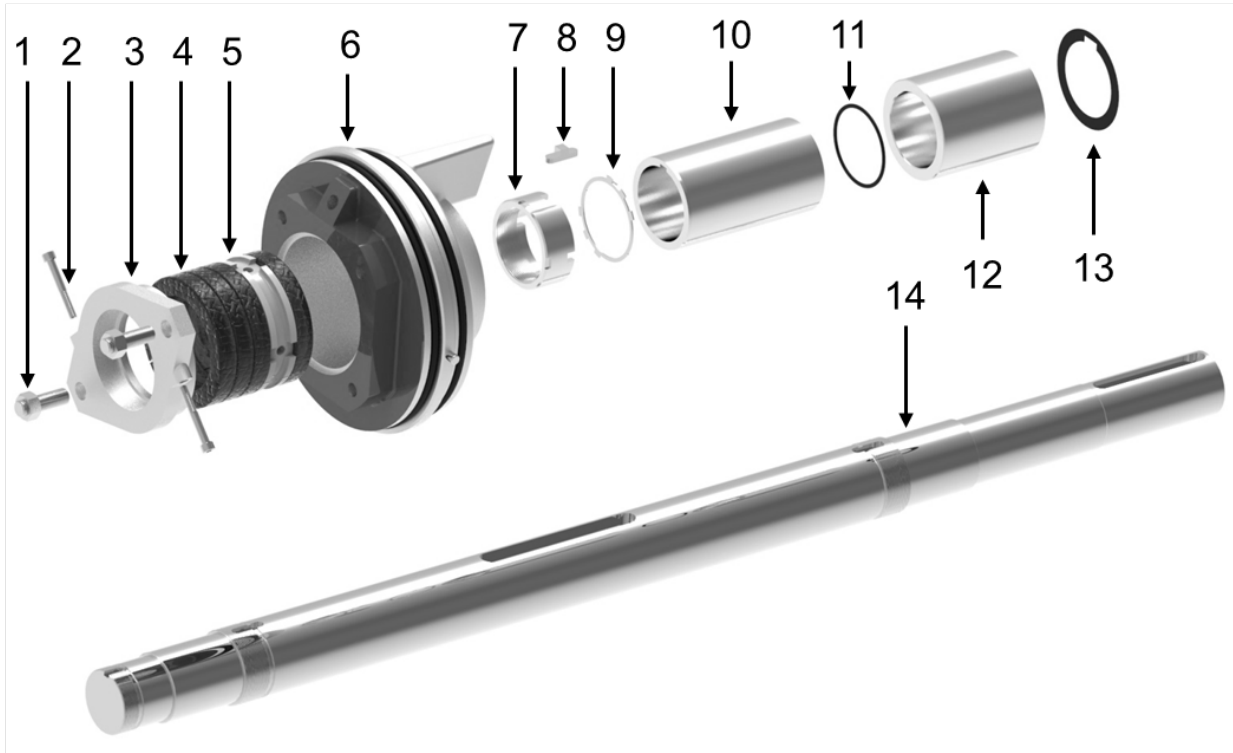
Dry Shaft Configurations (Seal on Sleeve)

MR2 Mechanical Seal (Standard Configuration)



| No. | Description | No. | Description |
|-----|--|-----|-------------------------------|
| 1 | Seal gland fasteners (bolt and washer) | 8 | Heterotype key (shaft sleeve) |
| 2 | Seal gland | 9 | Tab washer (shaft sleeve nut) |
| 3 | O-ring (seal gland) | 10 | Shaft sleeve |
| 4 | MR2 mechanical seal | 11 | O-ring (shaft sleeve) |
| 5 | Drive ring | 12 | Impeller hub sleeve |
| 6 | Stuffing box (with pin, O-rings, and plug) | 13 | Gasket (impeller hub sleeve) |
| 7 | Sleeve nut | 14 | Shaft |

Packing¹



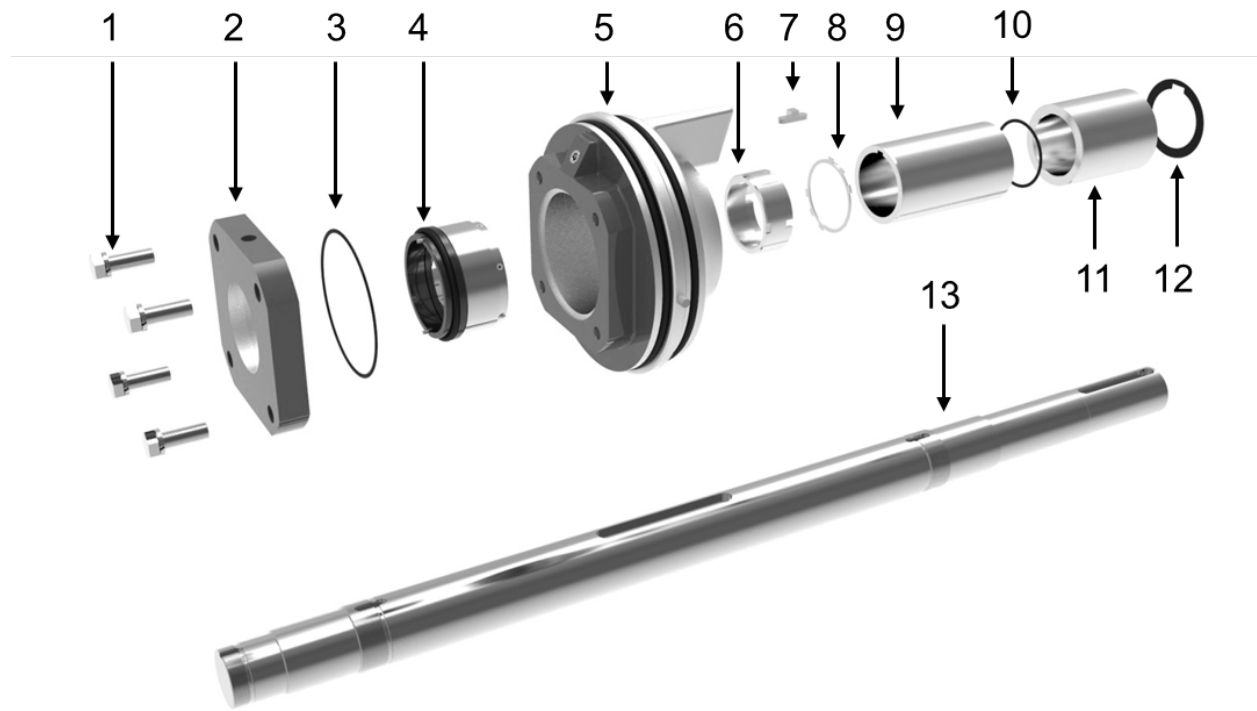
| No. | Description | No. | Description |
|-----|--|-----|-------------------------------|
| 1 | Packing gland fasteners (stud and nut) | 8 | Heterotype key (shaft sleeve) |
| 2 | Threaded bolt (joins gland halves) | 9 | Tab washer (shaft sleeve nut) |
| 3 | Packing gland | 10 | Shaft sleeve |
| 4 | Packing | 11 | O-ring (shaft sleeve) |
| 5 | Lantern ring | 12 | Impeller hub sleeve |
| 6 | Stuffing box (with pin and O-rings) | 13 | Gasket (impeller hub sleeve) |
| 7 | Sleeve nut | 14 | Shaft |

Interchangeability Table (Dry Shaft)

| Remove from standard MR2 configuration | | | | | | | Add from packing configuration | | | | | | |
|--|---|---|---|---|---|----|--------------------------------|---|---|---|---|---|----|
| Item No. | 1 | 2 | 3 | 4 | 5 | 10 | Item No. | 1 | 2 | 3 | 4 | 5 | 10 |
| | | | | | | | | | | | | | |

¹Switching to or from a packing configuration also requires a different shaft guard (item 7 within the e-XC pump exploded view).

MR1 Mechanical Seal

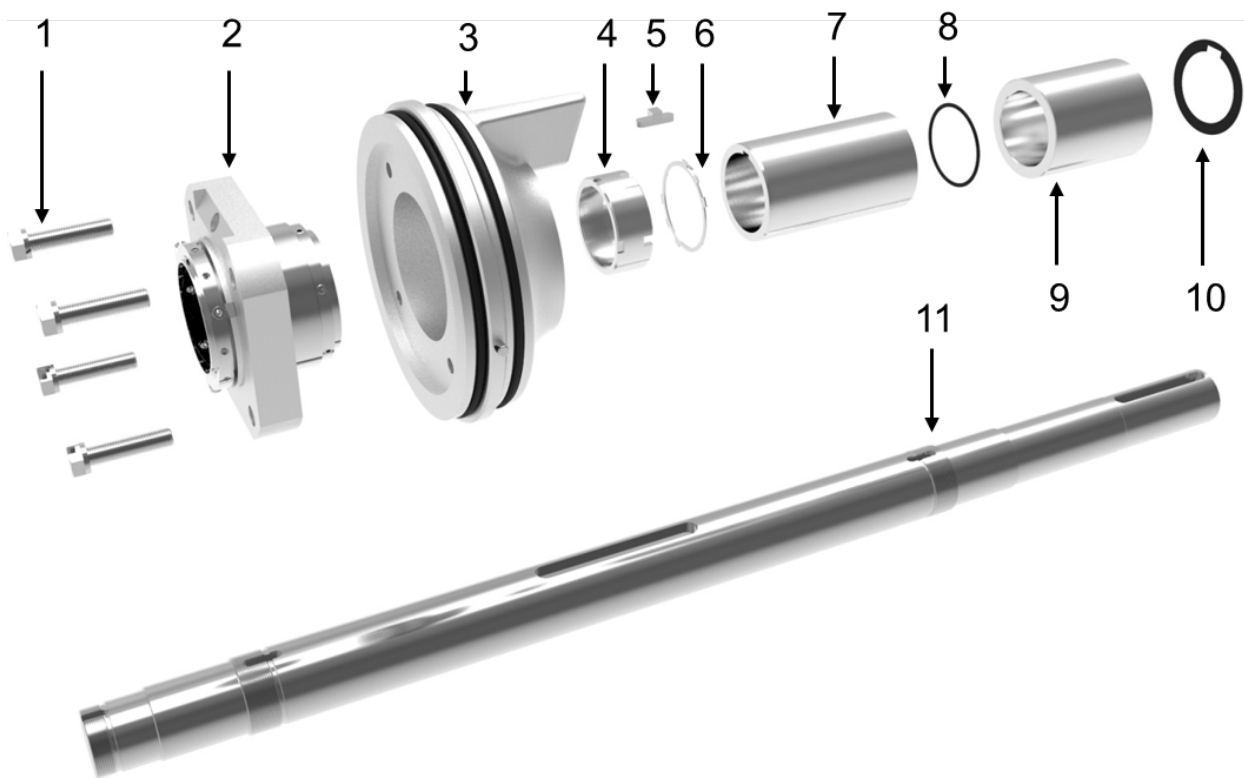


| No. | Description | No. | Description |
|-----|--|-----|-------------------------------|
| 1 | Seal gland fasteners (bolt and washer) | 8 | Tab washer (shaft sleeve nut) |
| 2 | Seal gland | 9 | Shaft sleeve |
| 3 | O-ring (seal gland) | 10 | O-ring (shaft sleeve) |
| 4 | MR1 mechanical seal | 11 | Impeller hub sleeve |
| 5 | Stuffing box (with pin, O-rings, and plug) | 12 | Gasket (impeller hub sleeve) |
| 6 | Sleeve nut | 13 | Shaft |
| 7 | Heterotype key (shaft sleeve) | | |

Interchangeability Table (Dry Shaft)

| Remove from standard MR2 configuration | | | Add from MR1 configuration | |
|--|---|---|----------------------------|---|
| Item No. | 4 | 5 | Item No. | 4 |

MR7 Cartridge Seal



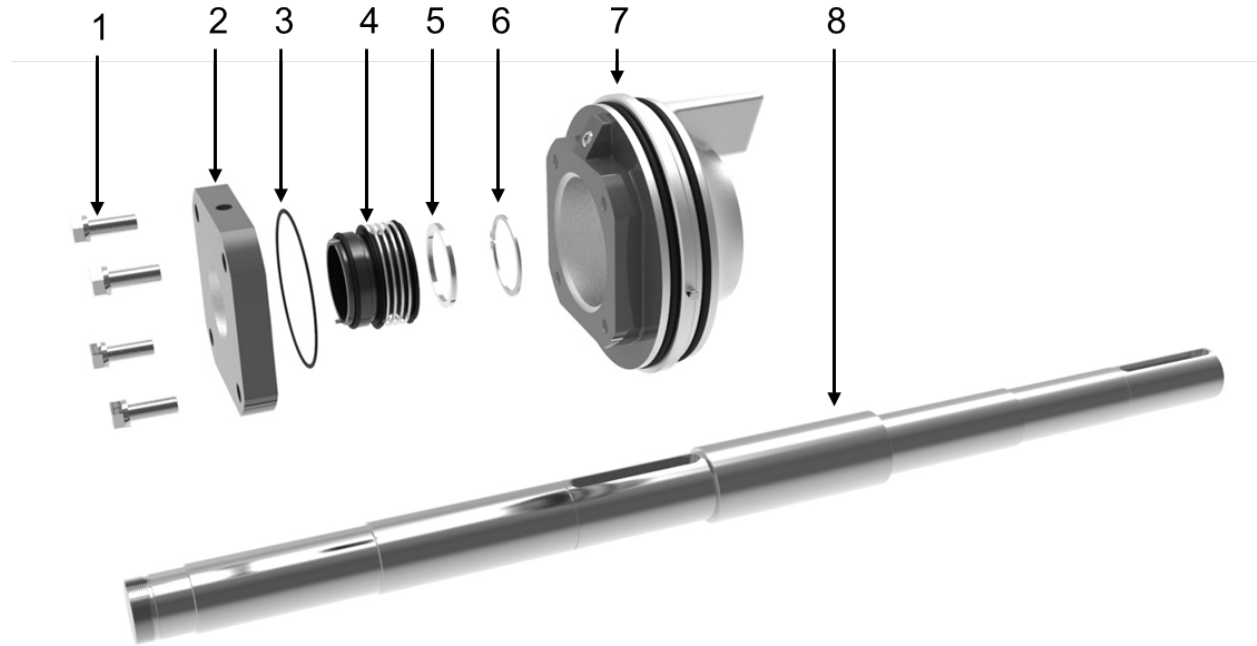
| No. | Description | No. | Description |
|-----|--|-----|------------------------------|
| 1 | Seal gland fasteners (bolt and washer) | 8 | O-ring (shaft sleeve) |
| 2 | MR7 cartridge seal | 9 | Impeller hub sleeve |
| 3 | Stuffing box (with pin and O-rings) | 10 | Gasket (impeller hub sleeve) |
| 4 | Sleeve nut | 11 | Shaft |
| 5 | Heterotype key (shaft sleeve) | | |
| 6 | Tab washer (shaft sleeve nut) | | |
| 7 | Shaft sleeve | | |

Interchangeability Table (Dry Shaft)

| Remove from standard MR2 configuration | | | | | | | Add from MR7 configuration | | | |
|--|---|---|---|---|---|---|----------------------------|---|---|---|
| Item No. | 1 | 2 | 3 | 4 | 5 | 6 | Item No. | 1 | 2 | 3 |
| | | | | | | | | | | |

Wet Shaft Configurations (Seal on Shaft)

MR2 Mechanical Seal (Standard Configuration)



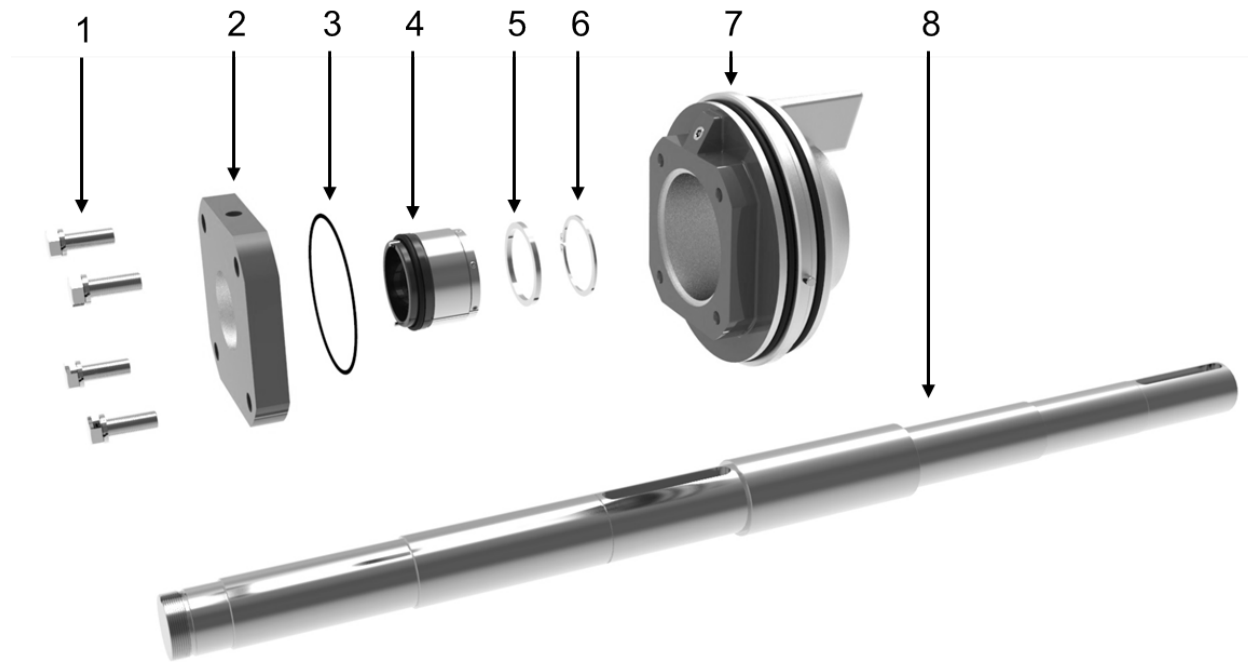
| No. | Description |
|-----|--|
| 1 | Seal gland fasteners (bolt and washer) |
| 2 | Seal gland |
| 3 | O-ring (seal gland) |
| 4 | MR4 mechanical seal |
| 5 | Shoulder ring (outboard end only) |
| 6 | Impeller snap ring (outboard end only) |
| 7 | Stuffing box (with pin, O-rings, and plug) |
| 8 | Shaft |

Interchangeability Table (Dry to Wet Shaft)¹

| Remove from std. dry shaft MR2 configuration | | | | | Add from std. wet shaft MR2 configuration | | | | | |
|--|---|---|---|------|---|---|---|---|---|---|
| Item No. | 2 | 4 | 5 | 7-14 | Item No. | 2 | 4 | 5 | 6 | 8 |

¹Impeller key may change when switching from dry to wet shaft configuration.

MR1 Mechanical Seal

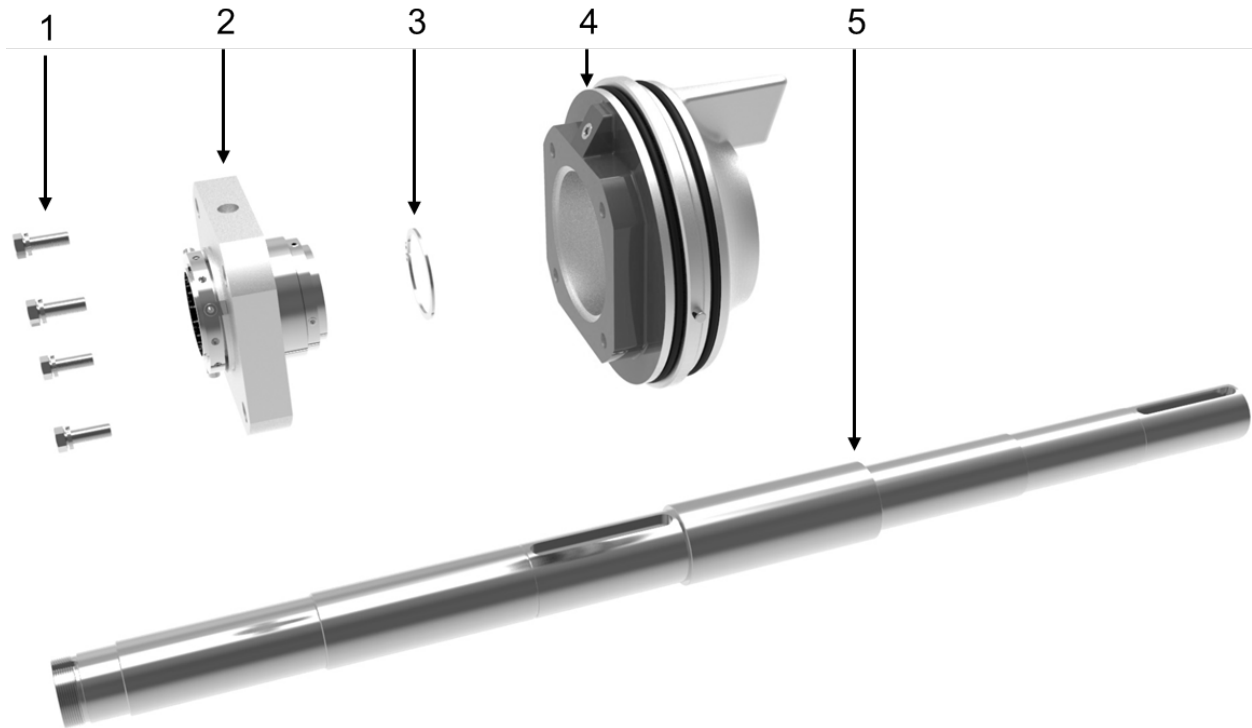


| No. | Description |
|-----|--|
| 1 | Seal gland fasteners (bolt and washer) |
| 2 | Seal gland |
| 3 | O-ring (seal gland) |
| 4 | MR3 mechanical seal |
| 5 | Shoulder ring (outboard end only) |
| 6 | Impeller snap ring (outboard end only) |
| 7 | Stuffing box (with pin, O-rings, and plug) |
| 8 | Shaft |

Interchangeability Table (Wet Shaft)

| Remove from standard MR2 configuration | | Add from MR1 configuration | |
|--|---|----------------------------|---|
| Item No. | 4 | Item No. | 4 |

MR5 Cartridge Seal



| No. | Description |
|-----|--|
| 1 | Seal gland fasteners (bolt and washer) |
| 2 | MR5 cartridge seal |
| 3 | Impeller snap ring (outboard end only) |
| 4 | Stuffing box (with pin, O-rings, and plug) |
| 5 | Shaft |

Interchangeability Table (Wet Shaft)

| Remove from standard MR2 configuration | | | | | | Add from MR5 configuration | | |
|--|---|---|---|---|---|----------------------------|---|---|
| Item No. | 1 | 2 | 3 | 4 | 5 | Item No. | 1 | 2 |
| | | | | | | | | |

Materials of Construction

| COMPONENT | STANDARD OPTION ¹ | OTHER AVAILABLE OPTIONS ¹ | | | | |
|--|--|--------------------------------------|--------|-----------|--------------|--------------|
| Casing² | Cast Iron NO.35 Ductile Iron 65-45-12 | 316 SS | | Duplex SS | | Super Duplex |
| Shaft (seal on shaft)³ | SS 420 | | | Duplex SS | | |
| Shaft (seal on sleeve) | 5140 | | | 4135 | | |
| Impeller² | 304 SS | 316 SS | | Duplex SS | | Super Duplex |
| Casing wear rings | Bronze C90300 | 304 SS | 316 SS | Duplex SS | Super Duplex | Nitronic 60 |
| Imp. wear rings² | 304 SS | 316 SS | | Duplex SS | | Super Duplex |
| Shaft sleeves | 304 SS | 316 SS | | | | Duplex SS |
| Shaft sleeve nuts | 304 SS | 316 SS | | | | Duplex SS |
| Packing³ | Style 608D Graphite | | | - | | |
| Lantern ring³ | PTFE | | | Cast Iron | | |
| Seal flush lines | 304 SS 316 SS | | | Nylon | | |
| Mechanical seal type⁴ | MR1 MR2 | | MR5 | | | MR7 |
| Other casted components² | Cast Iron NO.30 | | | - | | |
| Bearings | Steel | | | - | | |
| Bolts | Steel | | | - | | |
| Pipe Plugs | Steel | | | - | | |
| O-Rings | Rubber (FKM) | | | - | | |
| Gaskets | Aramid Fiber | | | - | | |
| Retaining ring | 304 SS | | | - | | |
| Shoulder rings | Steel | | | - | | |
| Protective Guard | 304 SS | | | - | | |

¹For information regarding NSF/ANSI 61 and NSF/ANSI 372 certified configurations, see page 122.

²Specified according to ASTM A48, A536, or A743 standards

³Optional component with a standard material configuration

⁴For mechanical seal material configuration details, see 'Mechanical Seals' section

Packing

Attributes

- Style 608D graphite packing with cast iron lantern ring
- Pressure: up to 20.7 bar [300 psi]
- Temperature: -18 to 121°C [0 to 250°F]
- Shaft speed: 20 m/s [4000 FPM]
- Optional sealing configuration
- Available only for dry shaft configuration



Mechanical Seals – MR2

Attributes

- Unbalanced unitized rubber bellow seal
- Pressure: up to 16 bar [232 psi]
- Temperature: -18 to 121°C [0 to 250°F]
- Standard for casing pressures below 16 bar [232 psi]
- Available for shaft sizes up to 110 mm
- Available for wet and dry shaft configurations

Material Configurations

1. Carbon/Silicon Carbide/EPDM¹

¹Standard material configuration



Mechanical Seals – MR1

Attributes

- Balanced high pressure metal pusher seal
- Pressure: up to 31 bar [450 psi]
- Temperature: -18 to 121°C [0 to 250°F]
- Standard for casing pressures above 16 bar [232 psi]
- Available for all shaft sizes
- Available for wet and dry shaft configurations

Material Configurations

1. Carbon/Silicon Carbide/EPDM¹
2. Silicon Carbide/Silicon Carbide/EPDM
3. Carbon/Silicon Carbide/FKM
4. Silicon Carbide/Silicon Carbide/FKM

¹Standard material configuration



Mechanical Seals – MR5

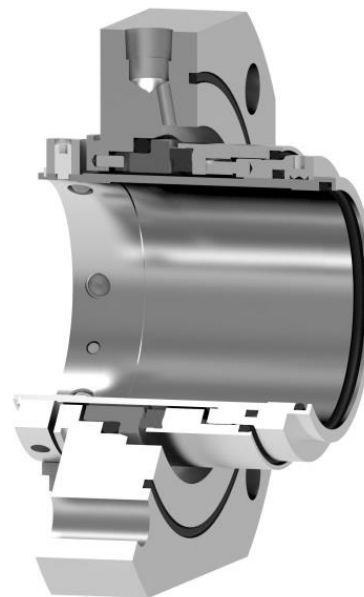
Attributes

- Balanced high pressure metal pusher cartridge seal
- Pressure: up to 31 bar [450 psi]
- Temperature: -18 to 121°C [0 to 250°F]
- Optional sealing configuration
- Available for all shaft sizes
- Available only for wet shaft configuration

Material Configurations

1. Carbon/Silicon Carbide/EPDM¹
2. Silicon Carbide/Silicon Carbide/EPDM
3. Carbon/Silicon Carbide/FKM
4. Silicon Carbide/Silicon Carbide/FKM

¹Standard material configuration



Mechanical Seals – MR7

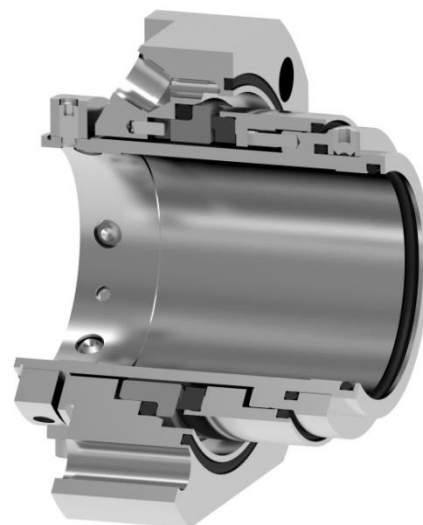
Attributes

- Balanced high pressure metal pusher cartridge seal
- Pressure: up to 31 bar [450 psi]
- Temperature: -18 to 121°C [0 to 250°F]
- Optional sealing configuration
- Available for all shaft sizes
- Available only for dry shaft configuration

Material Configurations

1. Carbon/Silicon Carbide/EPDM¹
2. Silicon Carbide/Silicon Carbide/EPDM
3. Carbon/Silicon Carbide/FKM
4. Silicon Carbide/Silicon Carbide/FKM

¹Standard material configuration



Coupling, Motor and Accessory Overview

Couplings

| COUPLING TYPE | STANDARD | OPTIONAL |
|---------------|-------------|---------------|
| Spacer | - | Flexible Disc |
| Non-Spacer | Elastic Pin | - |

Motors

| ITEM | STANDARD | OPTIONAL |
|------------------------|------------------------------------|-----------------------|
| Motor Type | IE3 Efficiency | - |
| Voltage | 3 x 380 V | - |
| Power | 0-315 kW | 315 kW+ |
| Poles | 2/4/6/8 | - |
| Enclosure ² | Totally Enclosed Fan Cooled (TEFC) | Open Drip Proof (ODP) |
| Service Factor | 1.15 | - |
| Insulation | Class F | - |
| Inverter Ready | Yes | - |
| Alignment ³ | Jacking Screws (8) | - |

²Max 3-phase ambient temperature of 40°C [104°F]

³Standard after 215 frame size, two per motor corner.

Standard Accessories

| ITEM | DESCRIPTION | Attributes |
|-----------------------------------|---|-----------------------------|
| Coupling Guard¹ | Safety enclosure for protection against rotating components | ANSI/OSHA compliant |
| External Flushing | Plan 11 external flushing of seals | Stainless steel flush lines |
| Baseplate | Grouted baseplate | Formed steel |

¹Standard guard cannot be considered non-sparking

Optional Accessories

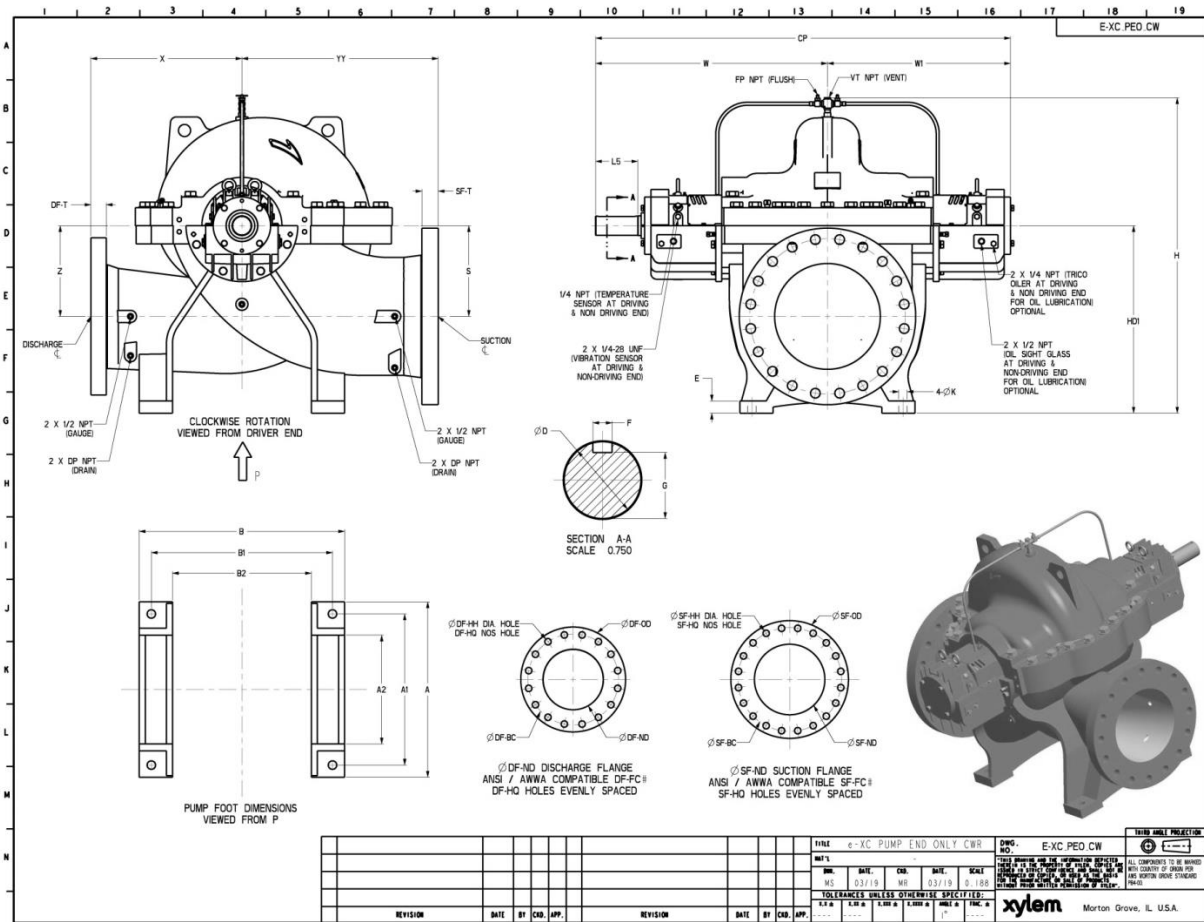
| ITEM | DESCRIPTION | Attributes |
|---|--|---|
| Vibration Monitoring¹ | PCB Piezotronics Industrial Velocity Transmitter | Dual-axis, 3 to 1k Hz |
| Temperature Monitoring² | Prosense ETS Series Digital Temperature Sensor | -50 to 150°C [-58 to 302°F] |
| Pressure Monitoring³ | American Sensor Technologies Pressure Sensor | 0 to 20.7 bar [0 to 300 psi] |
| Drip Pan | Rectangular inboard-to-outboard drip pan | Galvanized steel |
| Oil Lubrication Kit | Oil lubrication kit for bearings | 120 mL (4 oz.) oiler assembly, breather vent and sight glass included |
| VFD | Aquavar® IPC | See specifications through the Xylect selection software |
| Motor Monitoring | PTC/RTD Sensors | Consult factory for information |

¹Output: 4 to 20 mA, 0 to 1 in/sec pk, 2-pin connection

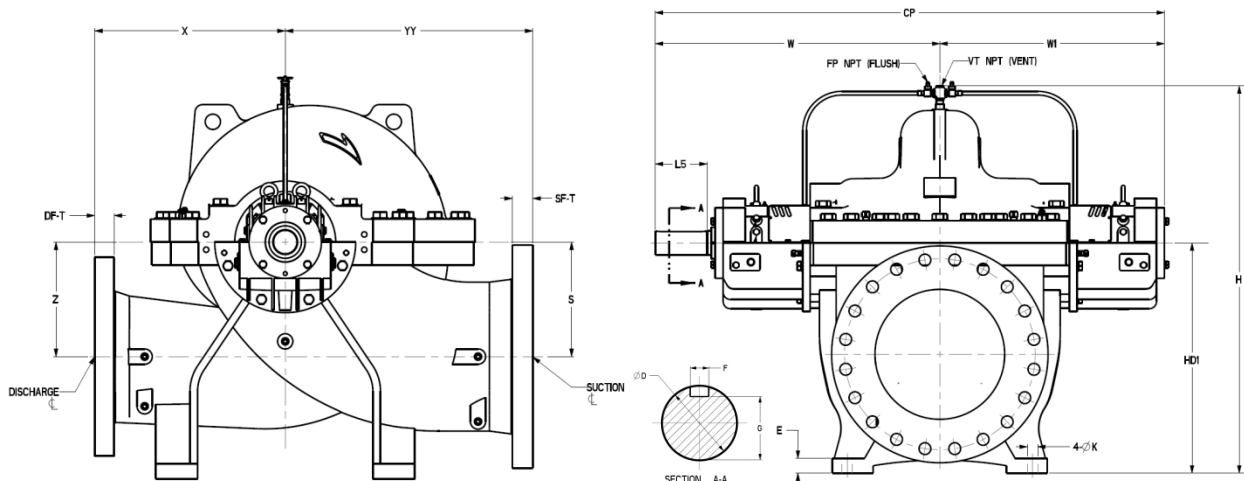
²Outputs 1 and 2: Switch PNP, N.O./N.C. selectable or 4 to 20 mA, 4-digit display

³Output: 4 to 20 mA

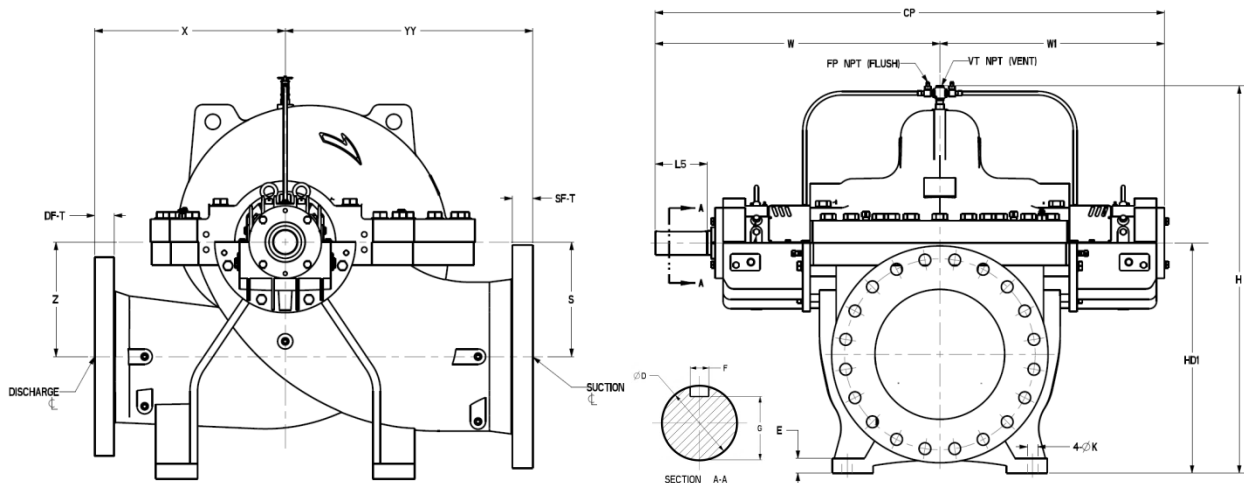
e-XC Pump Dimensional Data



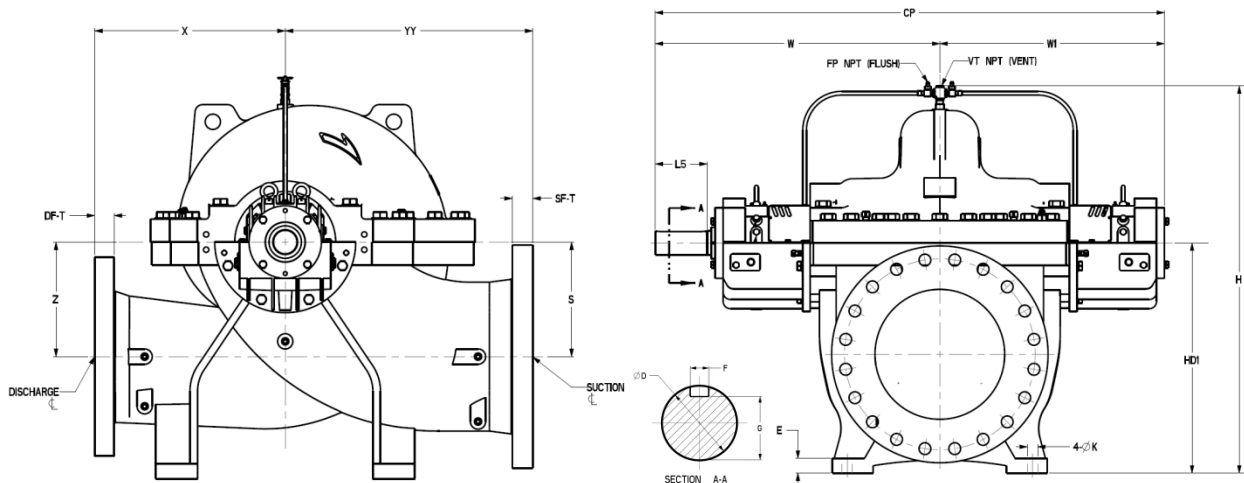
| Imp. Size | 3X5X8.5 | | Imp. Size | 3X5X11 | | Imp. Size | 3X5X12.5 | |
|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 3X5X8 | | | 3X5X10.5 | | | 3X5X12 | |
| Metric Size | 80-215 | | Metric Size | 80-285 | | Metric Size | 80-315 | |
| | 80-205 | | | 80-270 | | | 80-300 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 11.81 | 300 | YY | 13.78 | 350 | YY | 14.57 | 370 |
| X | 11.81 | 300 | X | 11.81 | 300 | X | 11.81 | 300 |
| H | 22.05 | 560 | H | 22.24 | 565 | H | 26.38 | 670 |
| HD1 | 12.60 | 320 | HD1 | 12.60 | 320 | HD1 | 14.57 | 370 |
| Z | 6.30 | 160 | Z | 6.30 | 160 | Z | 8.27 | 210 |
| S | 6.30 | 160 | S | 6.30 | 160 | S | 8.27 | 210 |
| B | 13.78 | 350 | B | 13.78 | 350 | B | 13.78 | 350 |
| B1 | 11.81 | 300 | B1 | 11.81 | 300 | B1 | 11.81 | 300 |
| B2 | 8.27 | 210 | B2 | 8.27 | 210 | B2 | 8.27 | 210 |
| W1 | 17.83 | 453 | W1 | 17.83 | 453 | W1 | 17.83 | 453 |
| W | 21.38 | 543 | W | 21.38 | 543 | W | 21.38 | 543 |
| CP | 39.21 | 996 | CP | 39.21 | 996 | CP | 39.21 | 996 |
| L5 | 3.15 | 80 | L5 | 3.15 | 80 | L5 | 3.15 | 80 |
| D | 1.38 | 35 | D | 1.38 | 35 | D | 1.38 | 35 |
| A | 13.78 | 350 | A | 13.78 | 350 | A | 13.78 | 350 |
| A1 | 11.81 | 300 | A1 | 11.81 | 300 | A1 | 11.81 | 300 |
| A2 | 8.27 | 210 | A2 | 8.27 | 210 | A2 | 8.27 | 210 |
| E | 0.33 | 30 | E | 0.33 | 30 | E | 0.33 | 30 |
| K | 0.73 | 18.5 | K | 0.73 | 18.5 | K | 0.73 | 18.5 |
| G | 1.18 | 30 | G | 1.18 | 30 | G | 1.18 | 30 |
| F | 0.39 | 10 | F | 0.39 | 10 | F | 0.39 | 10 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 539 | 245 | | 650 | 295 | | 605 | 275 |



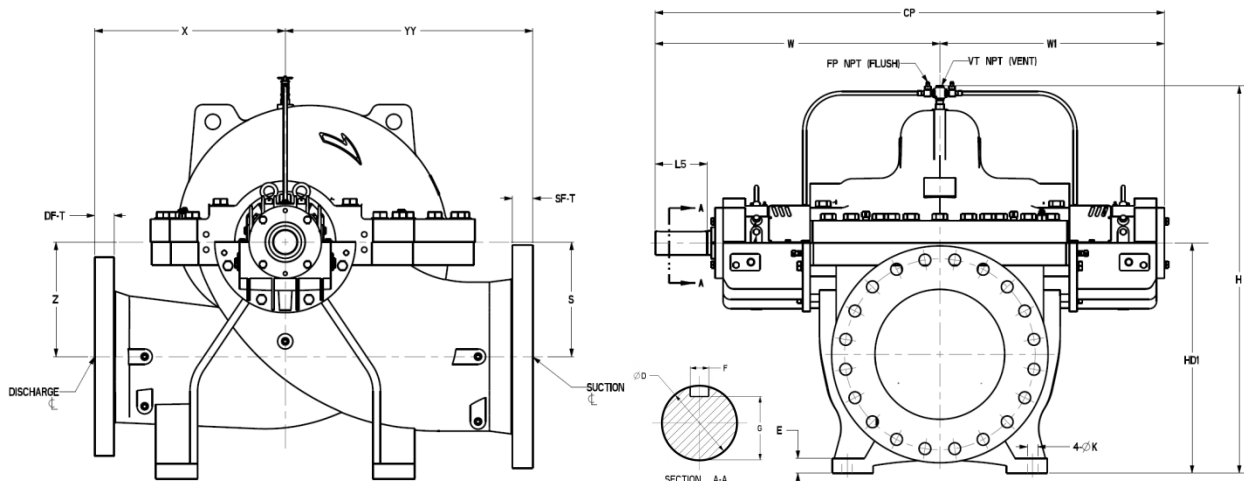
| Imp. Size | 3X5X13.5 | | Imp. Size | 4X5X6.5 | | Imp. Size | 4X6X10 | |
|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 3X5X13 | | | 4X5X6 | | | 4X6X9.5 | |
| Metric Size | 80-345 | | Metric Size | 100-165 | | Metric Size | 100-260 | |
| | 80-330 | | | 100-155 | | | 100-250 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 14.96 | 380 | YY | 11.81 | 300 | YY | 13.78 | 350 |
| X | 13.78 | 350 | X | 11.81 | 300 | X | 12.99 | 330 |
| H | 23.43 | 595 | H | 22.05 | 560 | H | 24.21 | 615 |
| HD1 | 12.60 | 320 | HD1 | 12.60 | 320 | HD1 | 13.78 | 350 |
| Z | 6.30 | 160 | Z | 6.30 | 160 | Z | 6.69 | 170 |
| S | 6.30 | 160 | S | 6.30 | 160 | S | 6.69 | 170 |
| B | 13.78 | 350 | B | 13.78 | 350 | B | 13.78 | 350 |
| B1 | 11.81 | 300 | B1 | 11.81 | 300 | B1 | 11.81 | 300 |
| B2 | 8.27 | 210 | B2 | 8.27 | 210 | B2 | 8.27 | 210 |
| W1 | 17.83 | 453 | W1 | 17.83 | 453 | W1 | 17.83 | 453 |
| W | 21.38 | 543 | W | 21.38 | 543 | W | 21.38 | 543 |
| CP | 39.21 | 996 | CP | 39.21 | 996 | CP | 39.21 | 996 |
| L5 | 3.15 | 80 | L5 | 3.15 | 80 | L5 | 3.15 | 80 |
| D | 1.38 | 35 | D | 1.38 | 35 | D | 1.38 | 35 |
| A | 13.78 | 350 | A | 13.78 | 350 | A | 13.78 | 350 |
| A1 | 11.81 | 300 | A1 | 11.81 | 300 | A1 | 11.81 | 300 |
| A2 | 8.27 | 210 | A2 | 8.27 | 210 | A2 | 8.27 | 210 |
| E | 0.33 | 30 | E | 0.33 | 30 | E | 0.33 | 30 |
| K | 0.73 | 18.5 | K | 0.73 | 18.5 | K | 0.73 | 18.5 |
| G | 1.18 | 30 | G | 1.18 | 30 | G | 1.18 | 30 |
| F | 0.39 | 10 | F | 0.39 | 10 | F | 0.39 | 10 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 650 | 295 | | 539 | 245 | | 594 | 270 |



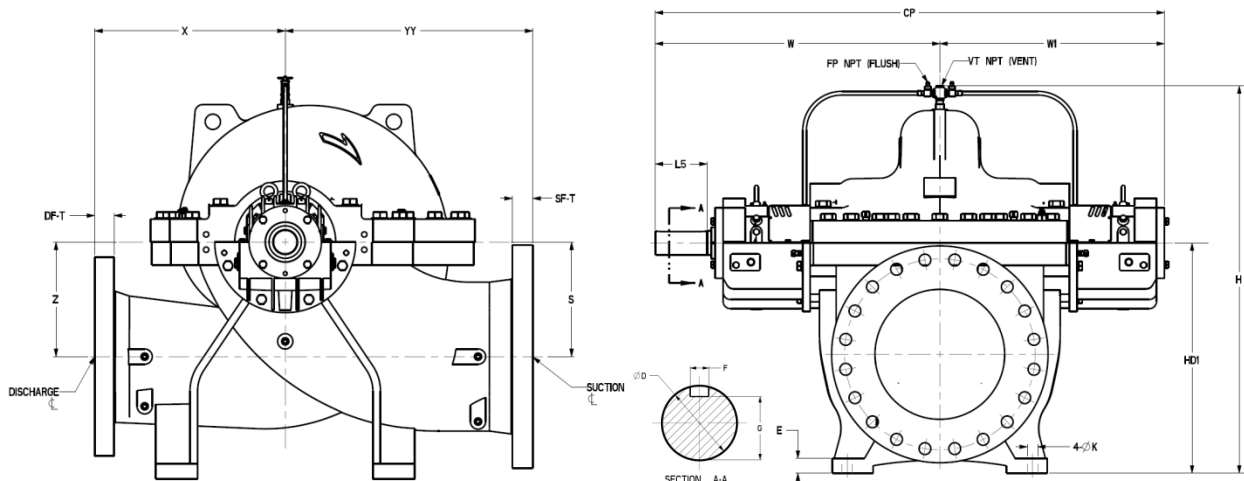
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|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 4X6X12 | | | 4X6X13.5 | | | 4X6X15.5 | |
| Metric Size | 100-325 | | Metric Size | 100-365 | | Metric Size | 100-410 | |
| | 100-310 | | | 100-350 | | | 100-390 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 15.75 | 400 | YY | 17.72 | 450 | YY | 16.93 | 430 |
| X | 13.78 | 350 | X | 14.57 | 370 | X | 15.75 | 400 |
| H | 25.20 | 640 | H | 26.38 | 670 | H | 26.77 | 680 |
| HD1 | 13.78 | 350 | HD1 | 13.78 | 350 | HD1 | 13.78 | 350 |
| Z | 6.69 | 170 | Z | 6.69 | 170 | Z | 6.69 | 170 |
| S | 6.69 | 170 | S | 6.69 | 170 | S | 6.69 | 170 |
| B | 13.78 | 350 | B | 13.78 | 350 | B | 18.50 | 470 |
| B1 | 11.81 | 300 | B1 | 11.81 | 300 | B1 | 15.75 | 400 |
| B2 | 8.27 | 210 | B2 | 8.27 | 210 | B2 | 11.42 | 290 |
| W1 | 17.72 | 450 | W1 | 18.11 | 460 | W1 | 17.83 | 453 |
| W | 22.36 | 568 | W | 22.76 | 578 | W | 21.38 | 543 |
| CP | 40.08 | 1018 | CP | 40.87 | 1038 | CP | 39.21 | 996 |
| L5 | 4.33 | 110 | L5 | 4.33 | 110 | L5 | 3.15 | 80 |
| D | 1.77 | 45 | D | 1.77 | 45 | D | 1.38 | 35 |
| A | 13.78 | 350 | A | 13.78 | 350 | A | 16.54 | 420 |
| A1 | 11.81 | 300 | A1 | 11.81 | 300 | A1 | 13.78 | 350 |
| A2 | 8.27 | 210 | A2 | 8.27 | 210 | A2 | 9.45 | 240 |
| E | 0.33 | 30 | E | 0.33 | 30 | E | 0.37 | 35 |
| K | 0.73 | 18.5 | K | 0.73 | 18.5 | K | 0.94 | 24 |
| G | 1.56 | 39.5 | G | 1.56 | 39.5 | G | 1.18 | 30 |
| F | 0.55 | 14 | F | 0.55 | 14 | F | 0.39 | 10 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 716 | 325 | | 770 | 350 | | 759 | 345 |



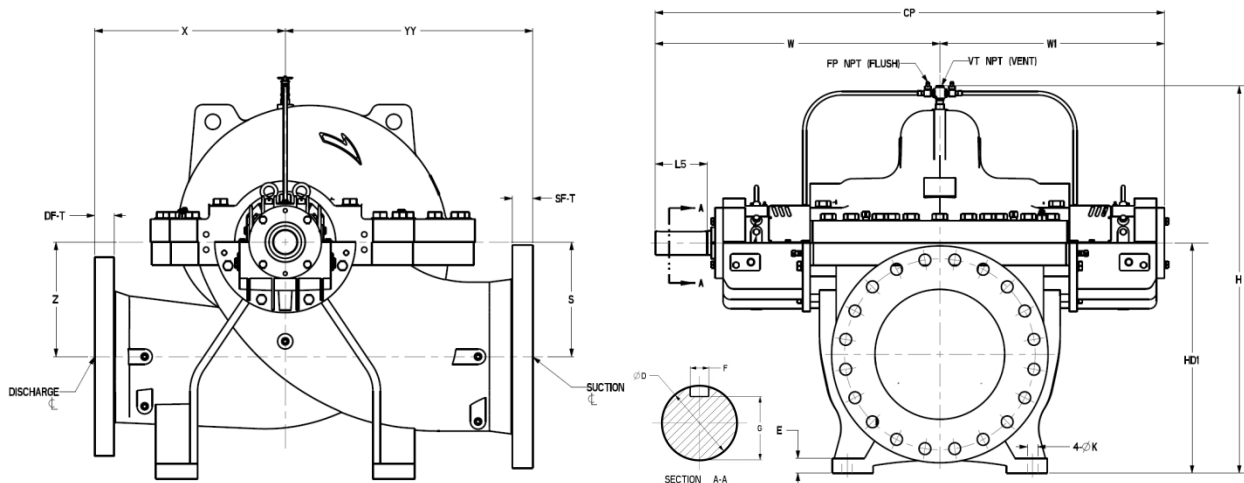
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|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 5X6X7 | | | 5X6X8.5 | | | 5X8X9 | |
| Metric Size | 125-195 | | Metric Size | 125-225 | | Metric Size | 125-245 | |
| | 125-185 | | | 125-215 | | | 125-235 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 13.78 | 350 | YY | 14.17 | 360 | YY | 15.75 | 400 |
| X | 11.81 | 300 | X | 11.81 | 300 | X | 13.78 | 350 |
| H | 23.54 | 598 | H | 23.82 | 605 | H | 26.57 | 675 |
| HD1 | 13.78 | 350 | HD1 | 13.78 | 350 | HD1 | 16.54 | 420 |
| Z | 6.69 | 170 | Z | 6.69 | 170 | Z | 7.87 | 200 |
| S | 6.69 | 170 | S | 6.69 | 170 | S | 7.87 | 200 |
| B | 13.78 | 350 | B | 13.78 | 350 | B | 18.50 | 470 |
| B1 | 11.81 | 300 | B1 | 11.81 | 300 | B1 | 15.75 | 400 |
| B2 | 8.27 | 210 | B2 | 8.27 | 210 | B2 | 11.42 | 290 |
| W1 | 17.83 | 453 | W1 | 17.83 | 453 | W1 | 19.49 | 495 |
| W | 21.38 | 543 | W | 21.38 | 543 | W | 24.13 | 613 |
| CP | 39.21 | 996 | CP | 39.21 | 996 | CP | 43.62 | 1108 |
| L5 | 3.15 | 80 | L5 | 3.15 | 80 | L5 | 4.33 | 110 |
| D | 1.38 | 35 | D | 1.38 | 35 | D | 1.77 | 45 |
| A | 13.78 | 350 | A | 13.78 | 350 | A | 16.54 | 420 |
| A1 | 11.81 | 300 | A1 | 11.81 | 300 | A1 | 13.78 | 350 |
| A2 | 8.27 | 210 | A2 | 8.27 | 210 | A2 | 9.45 | 240 |
| E | 0.33 | 30 | E | 0.33 | 30 | E | 0.37 | 35 |
| K | 0.73 | 18.5 | K | 0.73 | 18.5 | K | 0.94 | 24 |
| G | 1.18 | 30 | G | 1.18 | 30 | G | 1.56 | 39.5 |
| F | 0.39 | 10 | F | 0.39 | 10 | F | 0.55 | 14 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 616 | 280 | | 769 | 345 | | 794 | 360 |



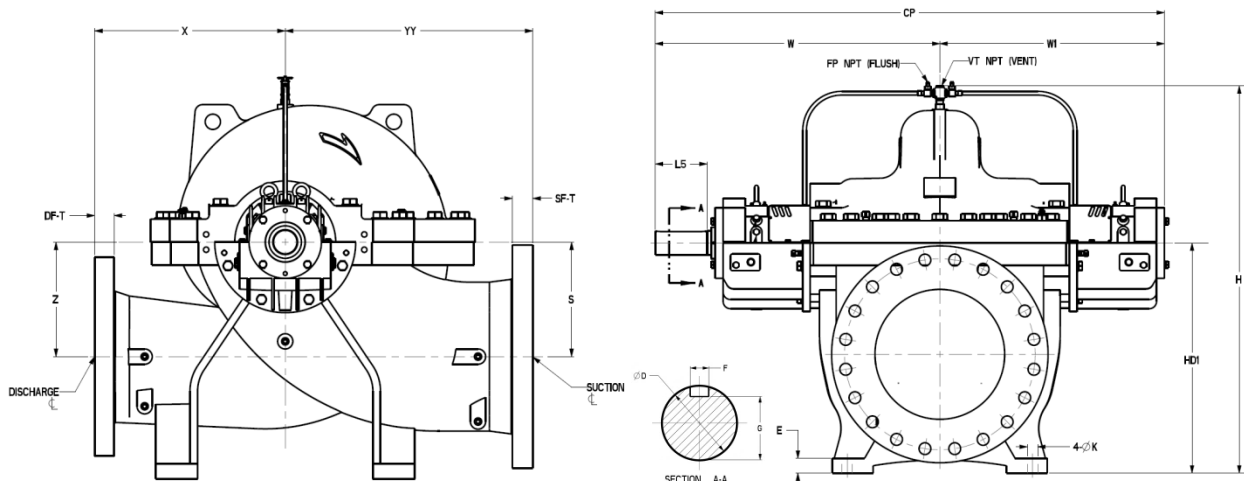
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|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 5X8X11 | | | 5X8X13.5 | | | 5X8X14.5 | |
| Metric Size | 125-300 | | Metric Size | 125-355 | | Metric Size | 125-390 | |
| | 125-285 | | | 125-335 | | | 125-370 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 15.75 | 400 | YY | 15.75 | 400 | YY | 17.72 | 450 |
| X | 13.78 | 350 | X | 13.78 | 350 | X | 15.75 | 400 |
| H | 27.56 | 700 | H | 29.13 | 740 | H | 28.94 | 735 |
| HD1 | 16.54 | 420 | HD1 | 17.72 | 450 | HD1 | 16.54 | 420 |
| Z | 7.87 | 200 | Z | 9.06 | 230 | Z | 7.87 | 200 |
| S | 7.87 | 200 | S | 9.06 | 230 | S | 7.87 | 200 |
| B | 18.50 | 470 | B | 18.50 | 470 | B | 18.50 | 470 |
| B1 | 15.75 | 400 | B1 | 15.75 | 400 | B1 | 15.75 | 400 |
| B2 | 11.42 | 290 | B2 | 11.42 | 290 | B2 | 11.42 | 290 |
| W1 | 19.49 | 495 | W1 | 20.75 | 527 | W1 | 19.49 | 495 |
| W | 24.13 | 613 | W | 25.51 | 648 | W | 24.13 | 613 |
| CP | 43.62 | 1108 | CP | 46.26 | 1175 | CP | 43.62 | 1108 |
| L5 | 4.33 | 110 | L5 | 4.33 | 110 | L5 | 4.33 | 110 |
| D | 1.77 | 45 | D | 2.17 | 55 | D | 1.77 | 45 |
| A | 16.54 | 420 | A | 16.54 | 420 | A | 16.54 | 420 |
| A1 | 13.78 | 350 | A1 | 13.78 | 350 | A1 | 13.78 | 350 |
| A2 | 9.45 | 240 | A2 | 9.45 | 240 | A2 | 9.45 | 240 |
| E | 0.37 | 35 | E | 0.37 | 35 | E | 0.37 | 35 |
| K | 0.94 | 24 | K | 0.94 | 24 | K | 0.94 | 24 |
| G | 1.56 | 39.5 | G | 1.93 | 49 | G | 1.56 | 39.5 |
| F | 0.55 | 14 | F | 0.63 | 16 | F | 0.55 | 14 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 528 | 240 | | 1331 | 605 | | 937 | 425 |



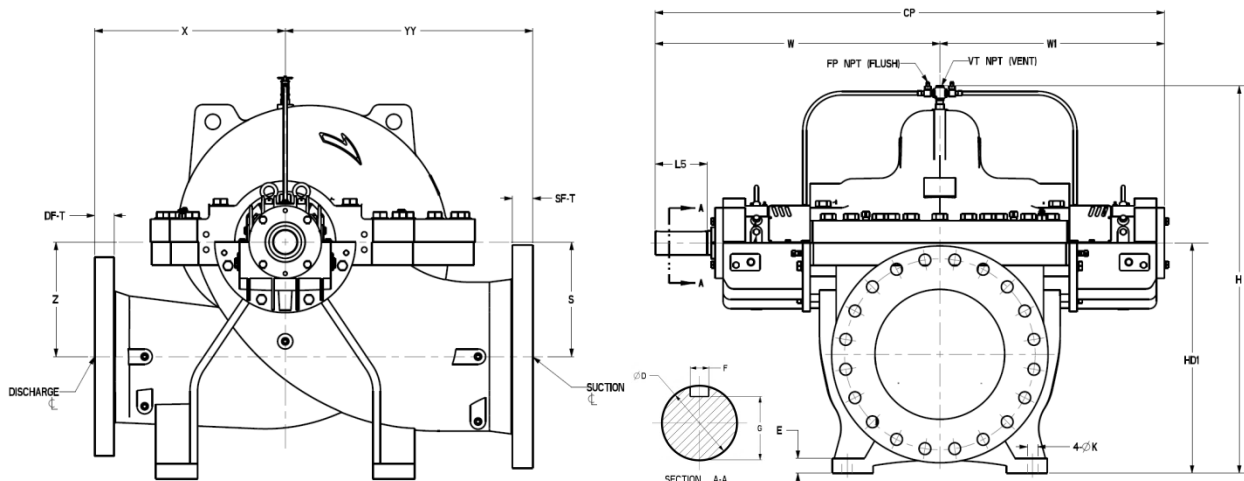
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|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 5X8X18 | | | 6X8X6 | | | 6X8X11 | |
| Metric Size | 125-475 | | Metric Size | 150-170 | | Metric Size | 150-300 | |
| | 125-450 | | | 150-160 | | | 150-285 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 19.69 | 500 | YY | 15.75 | 400 | YY | 17.72 | 450 |
| X | 17.72 | 450 | X | 15.75 | 400 | X | 15.75 | 400 |
| H | 30.51 | 775 | H | 24.02 | 610 | H | 30.04 | 763 |
| HD1 | 16.54 | 420 | HD1 | 14.96 | 380 | HD1 | 17.72 | 450 |
| Z | 7.87 | 200 | Z | 6.30 | 160 | Z | 9.06 | 230 |
| S | 7.87 | 200 | S | 6.30 | 160 | S | 9.06 | 230 |
| B | 20.47 | 520 | B | 18.50 | 470 | B | 18.50 | 470 |
| B1 | 17.72 | 450 | B1 | 15.75 | 400 | B1 | 15.75 | 400 |
| B2 | 13.39 | 340 | B2 | 11.42 | 290 | B2 | 11.42 | 290 |
| W1 | 19.49 | 495 | W1 | 17.83 | 453 | W1 | 20.87 | 530 |
| W | 24.13 | 613 | W | 21.38 | 543 | W | 25.51 | 648 |
| CP | 43.62 | 1108 | CP | 39.21 | 996 | CP | 46.38 | 1178 |
| L5 | 4.33 | 110 | L5 | 3.15 | 80 | L5 | 4.33 | 110 |
| D | 1.77 | 45 | D | 1.38 | 35 | D | 1.77 | 45 |
| A | 20.47 | 520 | A | 16.54 | 420 | A | 16.54 | 420 |
| A1 | 17.72 | 450 | A1 | 13.78 | 350 | A1 | 13.78 | 350 |
| A2 | 13.39 | 340 | A2 | 9.45 | 240 | A2 | 9.45 | 240 |
| E | 0.53 | 35 | E | 0.37 | 35 | E | 0.37 | 35 |
| K | 0.94 | 24 | K | 0.94 | 24 | K | 0.94 | 24 |
| G | 1.56 | 39.5 | G | 1.18 | 30 | G | 1.56 | 39.5 |
| F | 0.55 | 14 | F | 0.39 | 10 | F | 0.55 | 14 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 1047 | 475 | | 661 | 300 | | 992 | 450 |



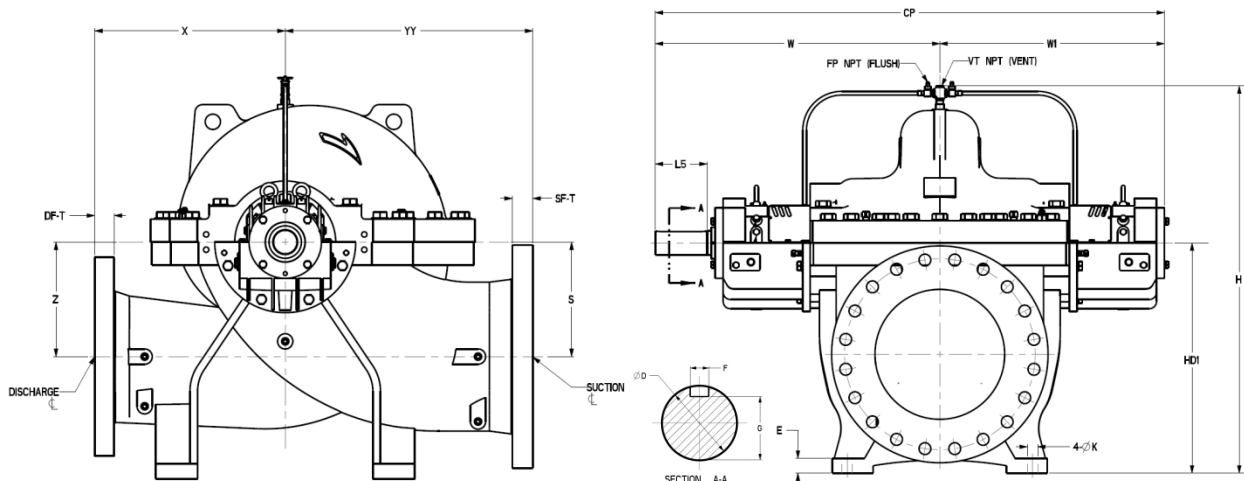
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|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 6X8X13.5 | | | 6X8X17 | | | 6X8X21 | |
| Metric Size | 150-355 | | Metric Size | 150-455 | | Metric Size | 150-560 | |
| | 150-340 | | | 150-435 | | | 150-535 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 17.72 | 450 | YY | 19.69 | 500 | YY | 23.62 | 600 |
| X | 15.75 | 400 | X | 17.72 | 450 | X | 19.69 | 500 |
| H | 30.31 | 770 | H | 31.54 | 801 | H | 37.52 | 953 |
| HD1 | 17.72 | 450 | HD1 | 17.72 | 450 | HD1 | 20.47 | 520 |
| Z | 9.06 | 230 | Z | 9.06 | 230 | Z | 11.81 | 300 |
| S | 9.06 | 230 | S | 9.06 | 230 | S | 11.81 | 300 |
| B | 18.50 | 470 | B | 18.50 | 470 | B | 26.77 | 680 |
| B1 | 15.75 | 400 | B1 | 15.75 | 400 | B1 | 23.62 | 600 |
| B2 | 11.42 | 290 | B2 | 11.42 | 290 | B2 | 18.11 | 460 |
| W1 | 20.87 | 530 | W1 | 21.93 | 557 | W1 | 23.29 | 592 |
| W | 25.51 | 648 | W | 26.69 | 678 | W | 29.25 | 743 |
| CP | 46.38 | 1178 | CP | 48.62 | 1235 | CP | 52.54 | 1335 |
| L5 | 4.33 | 110 | L5 | 4.33 | 110 | L5 | 5.51 | 140 |
| D | 1.77 | 45 | D | 2.17 | 55 | D | 2.56 | 65 |
| A | 16.54 | 420 | A | 16.54 | 420 | A | 22.83 | 580 |
| A1 | 13.78 | 350 | A1 | 13.78 | 350 | A1 | 19.69 | 500 |
| A2 | 9.45 | 240 | A2 | 9.45 | 240 | A2 | 14.17 | 360 |
| E | 0.37 | 35 | E | 0.37 | 35 | E | 0.56 | 40 |
| K | 0.94 | 24 | K | 0.94 | 24 | K | 1.10 | 28 |
| G | 1.56 | 39.5 | G | 1.93 | 49 | G | 2.28 | 58 |
| F | 0.55 | 14 | F | 0.63 | 16 | F | 0.71 | 18 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 1025 | 465 | | 1397 | 635 | | 1914 | 870 |



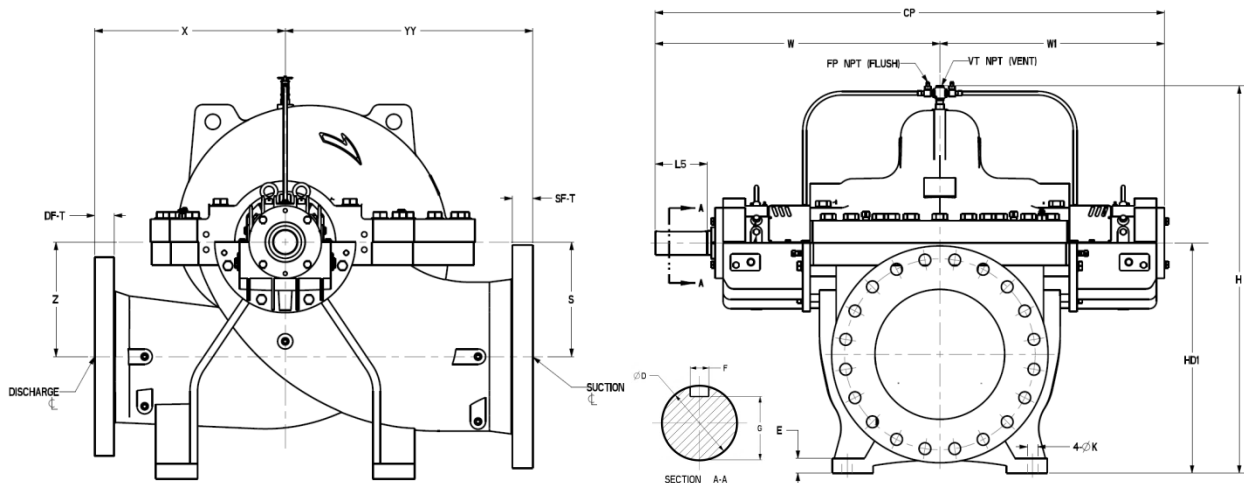
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|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 6X10X10.5 | | | 8X8X7.5 | | | 8X10X9.5 | |
| Metric Size | 150-280 | | Metric Size | 200-200 | | Metric Size | 200-250 | |
| | 150-265 | | | 200-190 | | | 200-240 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 17.72 | 450 | YY | 17.72 | 450 | YY | 19.69 | 500 |
| X | 15.75 | 400 | X | 15.75 | 400 | X | 15.75 | 400 |
| H | 30.12 | 765 | H | 28.35 | 720 | H | 32.40 | 823 |
| HD1 | 18.90 | 480 | HD1 | 16.54 | 420 | HD1 | 18.90 | 480 |
| Z | 9.06 | 230 | Z | 7.87 | 200 | Z | 9.06 | 230 |
| S | 9.06 | 230 | S | 7.87 | 200 | S | 9.06 | 230 |
| B | 20.47 | 520 | B | 18.50 | 470 | B | 20.47 | 520 |
| B1 | 17.72 | 450 | B1 | 15.75 | 400 | B1 | 17.72 | 450 |
| B2 | 13.39 | 340 | B2 | 11.42 | 290 | B2 | 13.39 | 340 |
| W1 | 21.91 | 557 | W1 | 19.02 | 483 | W1 | 20.87 | 530 |
| W | 26.69 | 678 | W | 22.56 | 573 | W | 25.51 | 648 |
| CP | 48.61 | 1235 | CP | 41.57 | 1056 | CP | 46.38 | 1178 |
| L5 | 4.33 | 110 | L5 | 3.15 | 80 | L5 | 4.33 | 110 |
| D | 2.17 | 55 | D | 1.38 | 35 | D | 1.77 | 45 |
| A | 20.47 | 520 | A | 16.54 | 420 | A | 20.47 | 520 |
| A1 | 17.72 | 450 | A1 | 13.78 | 350 | A1 | 17.72 | 450 |
| A2 | 13.39 | 340 | A2 | 9.45 | 240 | A2 | 13.39 | 340 |
| E | 0.53 | 35 | E | 0.37 | 35 | E | 0.53 | 35 |
| K | 0.94 | 24 | K | 0.94 | 24 | K | 0.94 | 24 |
| G | 1.93 | 49 | G | 1.18 | 30 | G | 1.16 | 29.5 |
| F | 0.63 | 16 | F | 0.39 | 10 | F | 0.55 | 14 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 1221 | 555 | | 880 | 400 | | 1257 | 570 |



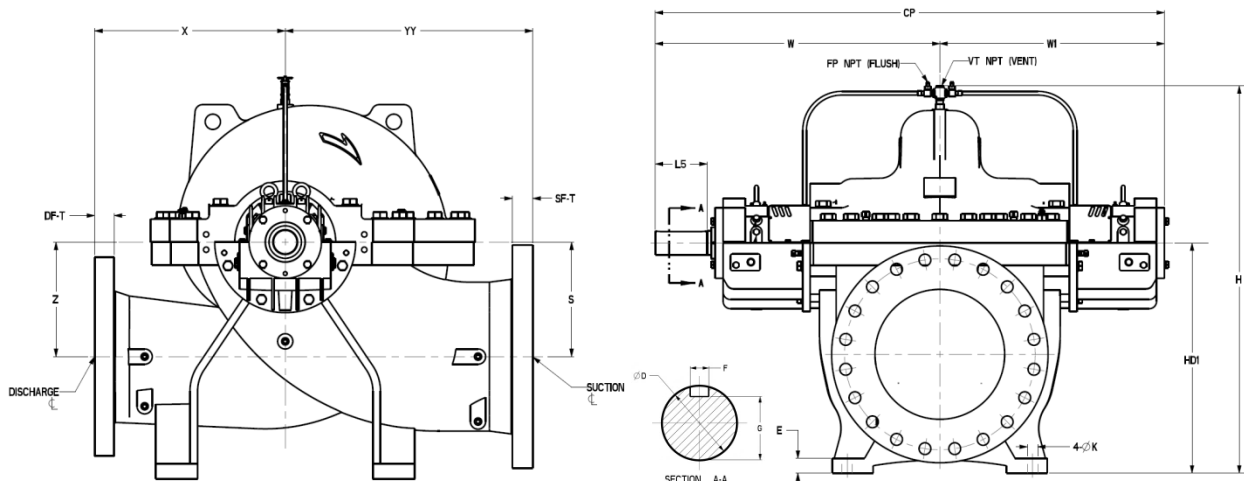
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|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 8X10X13 | | | 8X10X16 | | | 8X10X20 | |
| Metric Size | 200-345 | | Metric Size | 200-425 | | Metric Size | 200-530 | |
| | 200-330 | | | 200-405 | | | 200-505 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 19.69 | 500 | YY | 21.65 | 550 | YY | 21.65 | 550 |
| X | 15.75 | 400 | X | 19.69 | 500 | X | 19.69 | 500 |
| H | 33.39 | 848 | H | 34.88 | 886 | H | 38.74 | 984 |
| HD1 | 20.47 | 520 | HD1 | 20.47 | 520 | HD1 | 21.65 | 550 |
| Z | 10.63 | 270 | Z | 10.63 | 270 | Z | 11.81 | 300 |
| S | 10.63 | 270 | S | 10.63 | 270 | S | 11.81 | 300 |
| B | 20.47 | 520 | B | 20.47 | 520 | B | 26.77 | 680 |
| B1 | 17.72 | 450 | B1 | 17.72 | 450 | B1 | 23.62 | 600 |
| B2 | 13.39 | 340 | B2 | 13.39 | 340 | B2 | 18.11 | 460 |
| W1 | 21.93 | 557 | W1 | 24.09 | 612 | W1 | 23.29 | 592 |
| W | 26.69 | 678 | W | 28.86 | 733 | W | 29.25 | 743 |
| CP | 48.62 | 1235 | CP | 52.95 | 1345 | CP | 52.54 | 1335 |
| L5 | 4.33 | 110 | L5 | 4.33 | 110 | L5 | 5.51 | 140 |
| D | 2.125 | 55 | D | 2.17 | 55 | D | 2.56 | 65 |
| A | 20.47 | 520 | A | 20.47 | 520 | A | 22.83 | 580 |
| A1 | 17.72 | 450 | A1 | 17.72 | 450 | A1 | 19.69 | 500 |
| A2 | 13.39 | 340 | A2 | 13.39 | 340 | A2 | 14.17 | 360 |
| E | 0.53 | 35 | E | 0.53 | 35 | E | 0.56 | 40 |
| K | 0.94 | 24 | K | 0.94 | 24 | K | 1.10 | 28 |
| G | 1.93 | 49 | G | 1.93 | 49 | G | 2.28 | 58 |
| F | 0.63 | 16 | F | 0.63 | 16 | F | 0.71 | 18 |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 1430 | 650 | | 1632 | 742 | | 2090 | 950 |



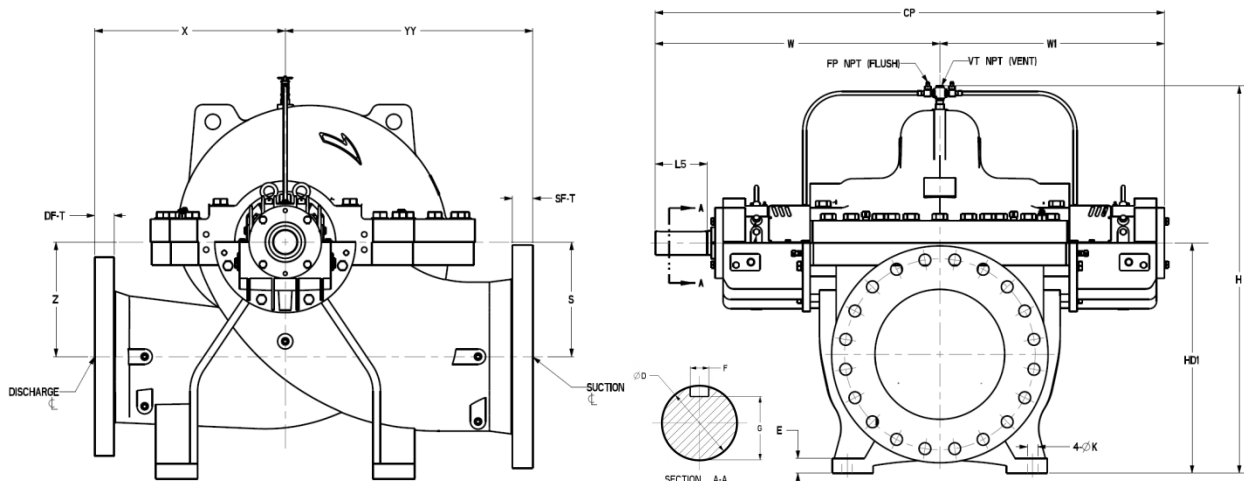
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|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 8X10X25 | | | 10X10X7.5 | | | 10X12X14.5 | |
| Metric Size | 200-655 | | Metric Size | 250-200 | | Metric Size | 250-390 | |
| | 200-625 | | | 250-190 | | | 250-370 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 25.59 | 650 | YY | 19.69 | 500 | YY | 21.65 | 550 |
| X | 23.62 | 600 | X | 17.72 | 450 | X | 19.69 | 500 |
| H | 43.70 | 1110 | H | 31.89 | 810 | H | 37.95 | 964 |
| HD1 | 24.41 | 620 | HD1 | 18.90 | 480 | HD1 | 22.83 | 580 |
| Z | 13.78 | 350 | Z | 8.66 | 220 | Z | 11.81 | 300 |
| S | 13.78 | 350 | S | 8.66 | 220 | S | 11.81 | 300 |
| B | 26.77 | 680 | B | 20.47 | 520 | B | 26.77 | 680 |
| B1 | 23.62 | 600 | B1 | 17.72 | 450 | B1 | 23.62 | 600 |
| B2 | 18.11 | 460 | B2 | 13.39 | 340 | B2 | 18.11 | 460 |
| W1 | 23.43 | 595 | W1 | 20.00 | 508 | W1 | 24.29 | 617 |
| W | 29.45 | 748 | W | 23.54 | 598 | W | 30.24 | 768 |
| CP | 52.87 | 1343 | CP | 43.54 | 1106 | CP | 54.53 | 1385 |
| L5 | 5.51 | 140 | L5 | 3.15 | 80 | L5 | 5.51 | 140 |
| D | 2.95 | 75 | D | 1.38 | 35 | D | 2.56 | 65 |
| A | 22.83 | 580 | A | 20.47 | 520 | A | 22.83 | 580 |
| A1 | 19.69 | 500 | A1 | 17.72 | 450 | A1 | 19.69 | 500 |
| A2 | 14.17 | 360 | A2 | 13.39 | 340 | A2 | 14.17 | 360 |
| E | 0.56 | 40 | E | 0.53 | 35 | E | 0.56 | 40 |
| K | 1.10 | 28 | K | 0.94 | 24 | K | 1.10 | 28 |
| G | 2.66 | 67.5 | G | 1.18 | 30 | G | 2.28 | 58 |
| F | 0.79 | 20 | F | 0.39 | 10 | F | 0.71 | 18 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 2733 | 1240 | | 957 | 435 | | 1841 | 835 |



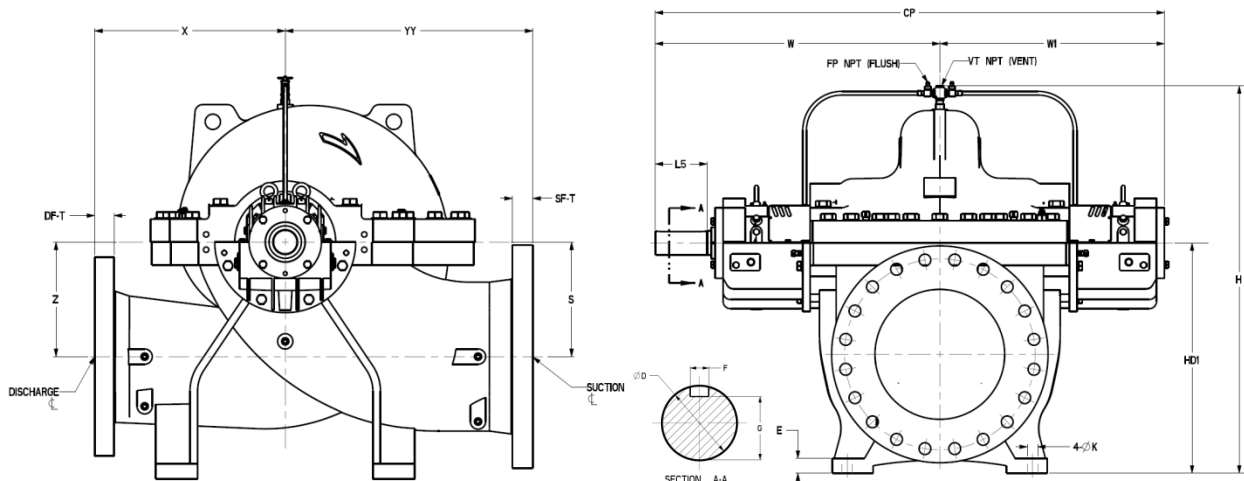
| Imp. Size | 10X12X19 | | Imp. Size | 10X12X24 | | Imp. Size | 10X12X30 | |
|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 10X12X18 | | | 10X12X23 | | | 10X12X28.5 | |
| Metric Size | 250-480 | | Metric Size | 250-610 | | Metric Size | 250-770 | |
| | 250-455 | | | 250-580 | | | 250-730 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 23.62 | 600 | YY | 25.59 | 650 | YY | 31.50 | 800 |
| X | 21.65 | 550 | X | 21.65 | 550 | X | 25.59 | 650 |
| H | 39.76 | 1010 | H | 43.31 | 1100 | H | 52.76 | 1340 |
| HD1 | 22.83 | 580 | HD1 | 24.80 | 630 | HD1 | 31.50 | 800 |
| Z | 11.81 | 300 | Z | 13.78 | 350 | Z | 19.69 | 500 |
| S | 11.81 | 300 | S | 13.78 | 350 | S | 19.69 | 500 |
| B | 26.77 | 680 | B | 26.77 | 680 | B | 30.71 | 780 |
| B1 | 23.62 | 600 | B1 | 23.62 | 600 | B1 | 27.56 | 700 |
| B2 | 18.11 | 460 | B2 | 18.11 | 460 | B2 | 20.47 | 520 |
| W1 | 25.87 | 657 | W1 | 25.79 | 655 | W1 | 25.43 | 646 |
| W | 31.81 | 808 | W | 32.99 | 838 | W | 32.99 | 838 |
| CP | 57.68 | 1465 | CP | 58.78 | 1493 | CP | 58.43 | 1484 |
| L5 | 5.51 | 140 | L5 | 6.69 | 170 | L5 | 6.69 | 170 |
| D | 2.56 | 65 | D | 3.35 | 85 | D | 3.35 | 85 |
| A | 22.83 | 580 | A | 22.83 | 580 | A | 24.80 | 630 |
| A1 | 19.69 | 500 | A1 | 19.69 | 500 | A1 | 21.65 | 550 |
| A2 | 14.17 | 360 | A2 | 14.17 | 360 | A2 | 15.35 | 390 |
| E | 0.56 | 40 | E | 0.56 | 40 | E | 0.60 | 40 |
| K | 1.10 | 28 | K | 1.10 | 28 | K | 1.10 | 28 |
| G | 2.28 | 58 | G | 2.99 | 76 | G | 2.99 | 76 |
| F | 0.71 | 18 | F | 0.87 | 22 | F | 0.87 | 22 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 2128 | 965 | | 3008 | 1365 | | 3748 | 1700 |



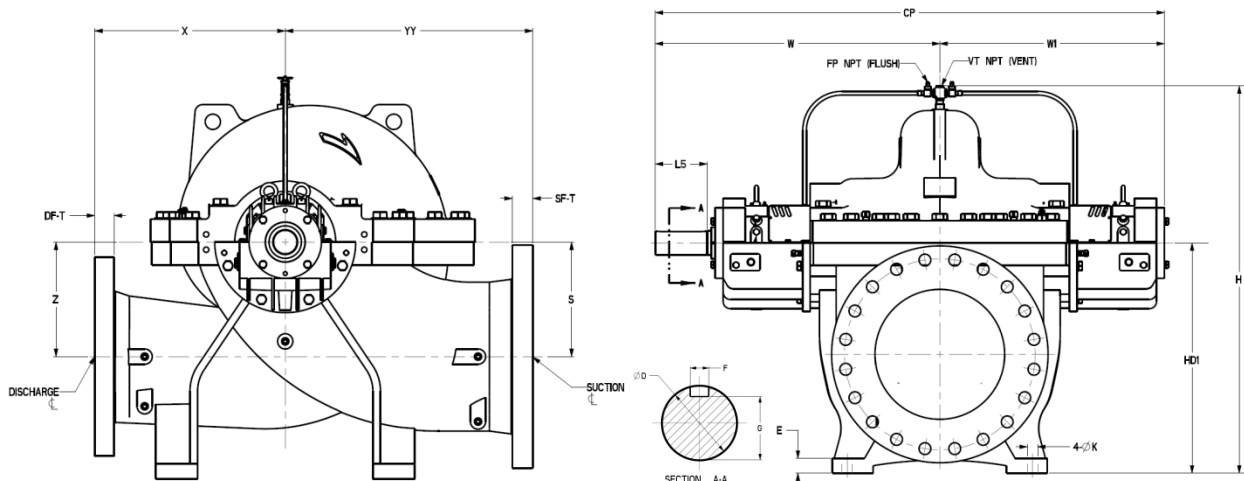
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|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 12X12X8.5 | | | 12X12X9.5 | | | 12X14X12.5 | |
| Metric Size | 300-225 | | Metric Size | 300-255 | | Metric Size | 300-330 | |
| | 300-215 | | | 300-245 | | | 300-315 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 21.65 | 550 | YY | 23.62 | 600 | YY | 25.59 | 650 |
| X | 17.72 | 450 | X | 19.69 | 500 | X | 19.69 | 500 |
| H | 35.63 | 905 | H | 36.81 | 935 | H | 41.50 | 1054 |
| HD1 | 21.65 | 550 | HD1 | 21.65 | 550 | HD1 | 24.41 | 620 |
| Z | 10.63 | 270 | Z | 10.63 | 270 | Z | 11.81 | 300 |
| S | 10.63 | 270 | S | 10.63 | 270 | S | 11.81 | 300 |
| B | 20.47 | 520 | B | 20.47 | 520 | B | 26.77 | 680 |
| B1 | 17.72 | 450 | B1 | 17.72 | 450 | B1 | 23.62 | 600 |
| B2 | 13.39 | 340 | B2 | 13.39 | 340 | B2 | 18.11 | 460 |
| W1 | 23.23 | 590 | W1 | 17.72 | 450 | W1 | 24.29 | 617 |
| W | 27.87 | 708 | W | 26.30 | 668 | W | 30.24 | 768 |
| CP | 51.10 | 1298 | CP | 44.02 | 1118 | CP | 54.53 | 1385 |
| L5 | 4.33 | 110 | L5 | 4.33 | 110 | L5 | 5.51 | 140 |
| D | 1.77 | 45 | D | 1.77 | 45 | D | 2.56 | 65 |
| A | 20.47 | 520 | A | 20.47 | 520 | A | 22.83 | 580 |
| A1 | 17.72 | 450 | A1 | 17.72 | 450 | A1 | 19.69 | 500 |
| A2 | 13.39 | 340 | A2 | 13.39 | 340 | A2 | 14.17 | 360 |
| E | 0.53 | 35 | E | 0.53 | 35 | E | 0.56 | 40 |
| K | 0.94 | 24 | K | 0.94 | 24 | K | 1.10 | 28 |
| G | 1.56 | 39.5 | G | 1.56 | 39.5 | G | 2.28 | 58 |
| F | 0.55 | 14 | F | 0.55 | 14 | F | 0.71 | 18 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 1727 | 785 | | 1652 | 751 | | 2222 | 1010 |



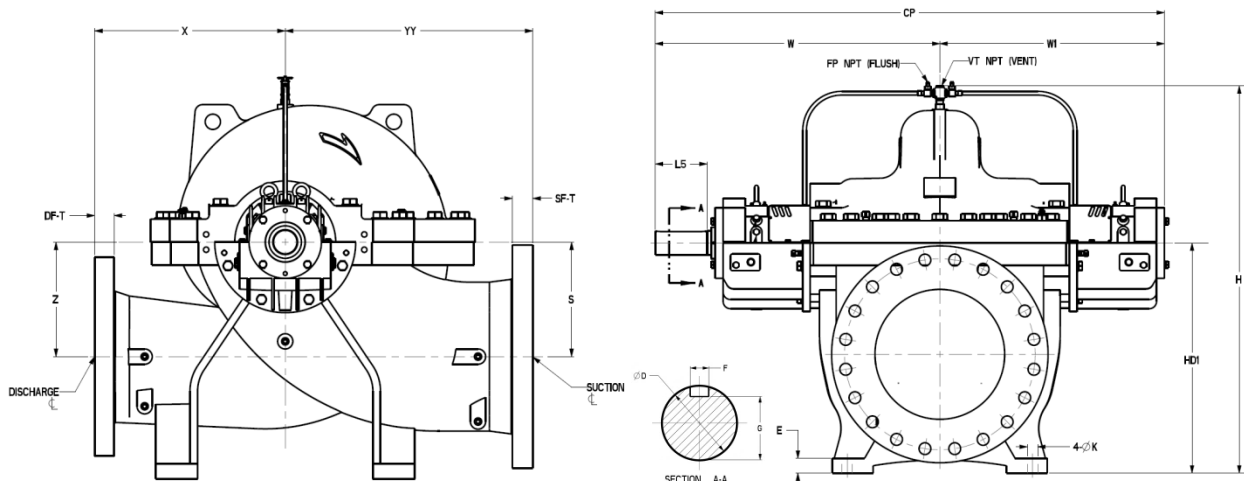
| Imp. Size | 12X16X18 | | Imp. Size | 12X16X22 | | Imp. Size | 12X16X28 | |
|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 12X16X17 | | | 12X16X21 | | | 12X16X27 | |
| Metric Size | 300-450 | | Metric Size | 300-550 | | Metric Size | 300-705 | |
| | 300-430 | | | 300-525 | | | 300-680 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 25.59 | 650 | YY | 25.59 | 650 | YY | 31.50 | 800 |
| X | 23.62 | 600 | X | 23.62 | 600 | X | 25.59 | 650 |
| H | 44.69 | 1135 | H | 46.46 | 1180 | H | 51.34 | 1304 |
| HD1 | 27.56 | 700 | HD1 | 27.56 | 700 | HD1 | 29.53 | 750 |
| Z | 13.78 | 350 | Z | 13.78 | 350 | Z | 15.75 | 400 |
| S | 13.78 | 350 | S | 13.78 | 350 | S | 15.75 | 400 |
| B | 30.71 | 780 | B | 30.71 | 780 | B | 35.83 | 910 |
| B1 | 27.56 | 700 | B1 | 27.56 | 700 | B1 | 31.50 | 800 |
| B2 | 20.47 | 520 | B2 | 20.47 | 520 | B2 | 23.23 | 590 |
| W1 | 25.26 | 642 | W1 | 29.53 | 750 | W1 | 28.21 | 717 |
| W | 31.22 | 793 | W | 35.75 | 908 | W | 35.35 | 898 |
| CP | 56.48 | 1435 | CP | 65.28 | 1658 | CP | 63.57 | 1615 |
| L5 | 5.51 | 140 | L5 | 6.69 | 170 | L5 | 6.69 | 170 |
| D | 2.95 | 75 | D | 3.35 | 85 | D | 3.74 | 95 |
| A | 24.80 | 630 | A | 24.80 | 630 | A | 29.92 | 760 |
| A1 | 21.65 | 550 | A1 | 21.65 | 550 | A1 | 25.59 | 650 |
| A2 | 15.35 | 390 | A2 | 15.35 | 390 | A2 | 18.90 | 480 |
| E | 0.60 | 40 | E | 0.60 | 40 | E | 0.74 | 45 |
| K | 1.10 | 28 | K | 1.10 | 28 | K | 1.38 | 35 |
| G | 2.66 | 67.5 | G | 2.99 | 76 | G | 3.39 | 86 |
| F | 0.79 | 20 | F | 0.87 | 22 | F | 0.98 | 25 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 2266 | 1030 | | 3278 | 1490 | | 4290 | 1950 |



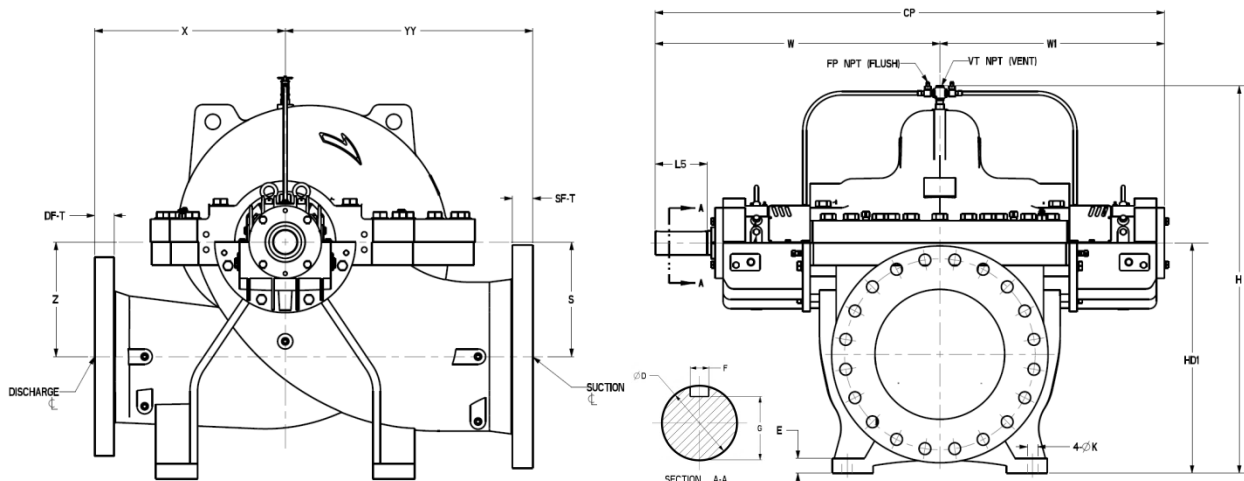
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|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 14X14X11 | | | 14X16X14.5 | | | 14X16X26 | |
| Metric Size | 350-300 | | Metric Size | 350-385 | | Metric Size | 350-690 | |
| | 350-285 | | | 350-365 | | | 350-655 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 25.59 | 650 | YY | 27.56 | 700 | YY | 35.43 | 900 |
| X | 19.69 | 500 | X | 21.65 | 550 | X | 29.53 | 750 |
| H | 41.06 | 1043 | H | 46.46 | 1180 | H | 56.65 | 1439 |
| HD1 | 24.41 | 620 | HD1 | 27.56 | 700 | HD1 | 33.07 | 840 |
| Z | 11.81 | 300 | Z | 13.78 | 350 | Z | 18.90 | 480 |
| S | 11.81 | 300 | S | 13.78 | 350 | S | 18.90 | 480 |
| B | 26.77 | 680 | B | 30.71 | 780 | B | 43.31 | 1100 |
| B1 | 23.62 | 600 | B1 | 27.56 | 700 | B1 | 39.37 | 1000 |
| B2 | 18.11 | 460 | B2 | 20.47 | 520 | B2 | 29.53 | 750 |
| W1 | 23.23 | 590 | W1 | 25.26 | 642 | W1 | 29.98 | 762 |
| W | 27.87 | 708 | W | 31.22 | 793 | W | 38.70 | 983 |
| CP | 51.10 | 1298 | CP | 56.48 | 1435 | CP | 68.69 | 1745 |
| L5 | 4.33 | 110 | L5 | 5.51 | 140 | L5 | 8.27 | 210 |
| D | 1.77 | 45 | D | 2.95 | 75 | D | 4.13 | 105 |
| A | 22.83 | 580 | A | 24.80 | 630 | A | 33.86 | 860 |
| A1 | 19.69 | 500 | A1 | 21.65 | 550 | A1 | 29.53 | 750 |
| A2 | 14.17 | 360 | A2 | 15.35 | 390 | A2 | 21.26 | 540 |
| E | 0.56 | 40 | E | 0.60 | 40 | E | 0.84 | 45 |
| K | 1.10 | 28 | K | 1.10 | 28 | K | 1.38 | 35 |
| G | 1.56 | 39.5 | G | 2.66 | 67.5 | G | 3.74 | 95 |
| F | 0.55 | 14 | F | 0.79 | 20 | F | 1.10 | 28 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 2051 | 930 | | 2860 | 1300 | | 5887 | 2670 |



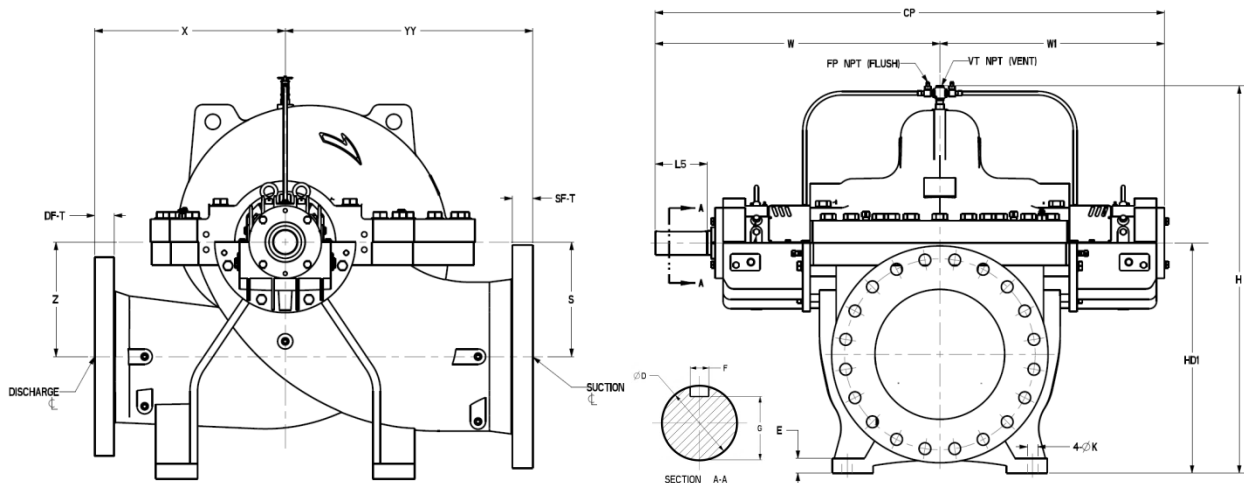
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|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 14X16X29 | | | 14X18X17 | | | 14X18X20 | |
| Metric Size | 350-780 | | Metric Size | 350-450 | | Metric Size | 350-530 | |
| | 350-745 | | | 350-430 | | | 350-505 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 35.43 | 900 | YY | 31.50 | 800 | YY | 27.56 | 700 |
| X | 29.53 | 750 | X | 25.59 | 650 | X | 25.59 | 650 |
| H | 55.16 | 1401 | H | 52.36 | 1330 | H | 50.00 | 1270 |
| HD1 | 31.50 | 800 | HD1 | 30.71 | 780 | HD1 | 30.71 | 780 |
| Z | 17.72 | 450 | Z | 15.75 | 400 | Z | 15.75 | 400 |
| S | 17.72 | 450 | S | 15.75 | 400 | S | 15.75 | 400 |
| B | 43.70 | 1110 | B | 35.83 | 910 | B | 35.83 | 910 |
| B1 | 39.37 | 1000 | B1 | 31.50 | 800 | B1 | 31.50 | 800 |
| B2 | 29.53 | 750 | B2 | 23.23 | 590 | B2 | 23.23 | 590 |
| W1 | 34.25 | 870 | W1 | 28.58 | 726 | W1 | 28.61 | 727 |
| W | 43.03 | 1093 | W | 35.75 | 908 | W | 35.75 | 908 |
| CP | 77.28 | 1963 | CP | 64.33 | 1634 | CP | 64.35 | 1635 |
| L5 | 8.27 | 210 | L5 | 6.69 | 170 | L5 | 6.69 | 170 |
| D | 4.72 | 120 | D | 3.35 | 85 | D | 3.35 | 85 |
| A | 33.86 | 860 | A | 29.92 | 760 | A | 29.92 | 760 |
| A1 | 29.53 | 750 | A1 | 25.59 | 650 | A1 | 25.59 | 650 |
| A2 | 21.26 | 540 | A2 | 18.90 | 480 | A2 | 18.90 | 480 |
| E | 0.84 | 45 | E | 0.74 | 45 | E | 0.74 | 45 |
| K | 1.38 | 35 | K | 1.38 | 35 | K | 1.38 | 35 |
| G | 4.29 | 109 | G | 2.99 | 76 | G | 2.99 | 76 |
| F | 1.26 | 32 | F | 0.87 | 22 | F | 0.87 | 22 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 5623 | 2550 | | 3278 | 1490 | | 3660 | 1660 |



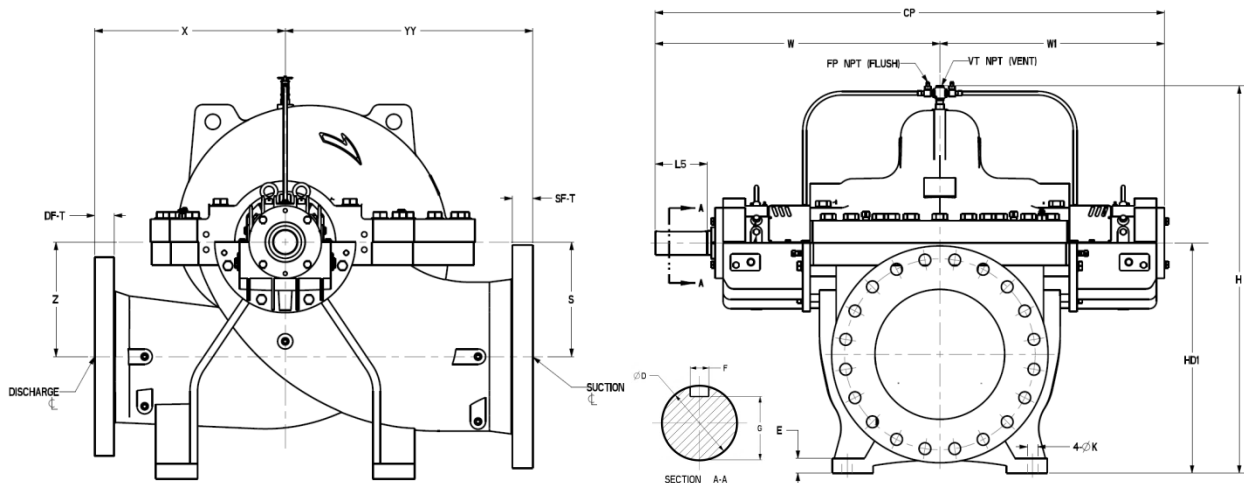
| Imp. Size | 14X20X26.5 | | Imp. Size | 14X20X33 | | Imp. Size | 16X16X13.5 | |
|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 14X20X25.5 | | | 14X20X31.5 | | | 16X16X13 | |
| Metric Size | 350-685 | | Metric Size | 350-845 | | Metric Size | 400-340 | |
| | 350-650 | | | 350-805 | | | 400-325 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 31.50 | 800 | YY | 33.46 | 850 | YY | 29.53 | 750 |
| X | 27.56 | 700 | X | 29.53 | 750 | X | 23.62 | 600 |
| H | 54.13 | 1375 | H | 58.39 | 1483 | H | 45.47 | 1155 |
| HD1 | 32.28 | 820 | HD1 | 33.46 | 850 | HD1 | 27.56 | 700 |
| Z | 16.54 | 420 | Z | 17.72 | 450 | Z | 13.78 | 350 |
| S | 16.54 | 420 | S | 17.72 | 450 | S | 13.78 | 350 |
| B | 35.83 | 910 | B | 35.83 | 910 | B | 30.71 | 780 |
| B1 | 31.50 | 800 | B1 | 31.50 | 800 | B1 | 27.56 | 700 |
| B2 | 23.23 | 590 | B2 | 23.23 | 590 | B2 | 20.47 | 520 |
| W1 | 31.10 | 790 | W1 | 32.35 | 822 | W1 | 26.46 | 672 |
| W | 39.09 | 993 | W | 39.49 | 1003 | W | 31.22 | 793 |
| CP | 70.20 | 1783 | CP | 71.83 | 1825 | CP | 57.68 | 1465 |
| L5 | 6.69 | 170 | L5 | 6.69 | 170 | L5 | 4.33 | 110 |
| D | 3.35 | 85 | D | 3.74 | 95 | D | 2.17 | 55 |
| A | 29.92 | 760 | A | 29.92 | 760 | A | 24.80 | 630 |
| A1 | 25.59 | 650 | A1 | 25.59 | 650 | A1 | 21.65 | 550 |
| A2 | 18.90 | 480 | A2 | 18.90 | 480 | A2 | 15.35 | 390 |
| E | 0.74 | 45 | E | 0.74 | 45 | E | 0.60 | 40 |
| K | 1.38 | 35 | K | 2.56 | 65 | K | 1.10 | 28 |
| G | 2.99 | 76 | G | 3.39 | 86 | G | 1.93 | 49 |
| F | 0.87 | 22 | F | 0.98 | 25 | F | 0.63 | 16 |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 4100 | 1860 | | 5402 | 2450 | | 2922 | 1325 |



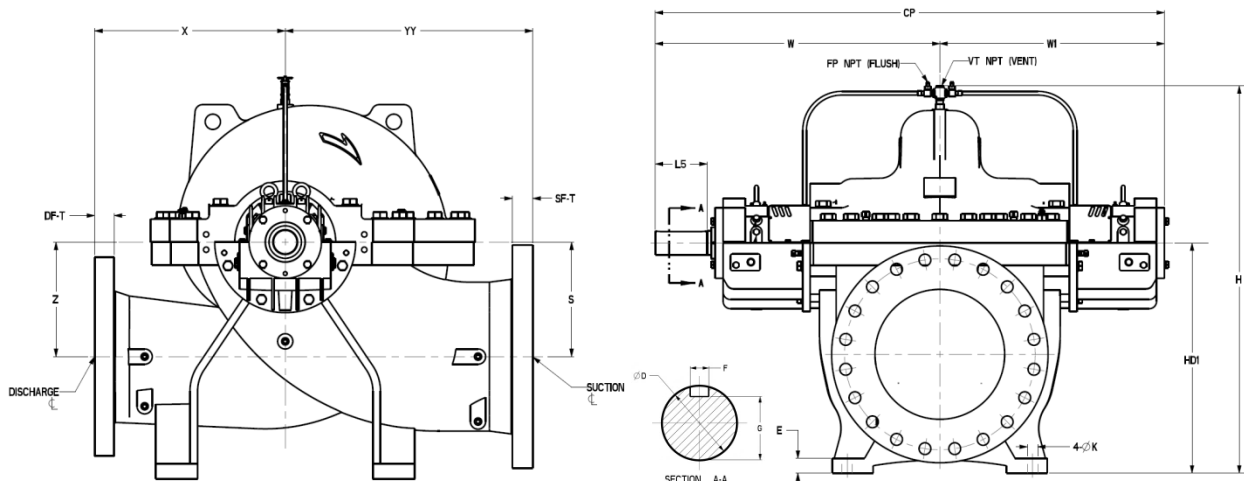
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|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 16X20X19.5 | | | 16X20X20 | | | 16X20X22 | |
| Metric Size | 400-525 | | Metric Size | 400-535 | | Metric Size | 400-580 | |
| | 400-500 | | | 400-510 | | | 400-550 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 31.50 | 800 | YY | 31.50 | 800 | YY | 31.50 | 800 |
| X | 27.56 | 700 | X | 25.59 | 650 | X | 27.56 | 700 |
| H | 58.41 | 1483.5 | H | 55.12 | 1400 | H | 55.66 | 1413.7 |
| HD1 | 35.43 | 900 | HD1 | 33.46 | 850 | HD1 | 34.25 | 870 |
| Z | 18.90 | 480 | Z | 17.72 | 450 | Z | 17.72 | 450 |
| S | 18.90 | 480 | S | 17.72 | 450 | S | 17.72 | 450 |
| B | 35.83 | 910 | B | 35.83 | 910 | B | 35.83 | 910 |
| B1 | 31.50 | 800 | B1 | 31.50 | 800 | B1 | 31.50 | 800 |
| B2 | 23.23 | 590 | B2 | 23.23 | 590 | B2 | 23.23 | 590 |
| W1 | 31.95 | 812 | W1 | 27.17 | 690 | W1 | 31.76 | 807 |
| W | 39.09 | 993 | W | 33.19 | 843 | W | 40.47 | 1028 |
| CP | 71.05 | 1805 | CP | 60.35 | 1533 | CP | 72.23 | 1835 |
| L5 | 6.69 | 170 | L5 | 5.51 | 140 | L5 | 8.27 | 210 |
| D | 3.74 | 95 | D | 2.95 | 75 | D | 4.13 | 105 |
| A | 29.92 | 760 | A | 29.92 | 760 | A | 29.92 | 760 |
| A1 | 25.59 | 650 | A1 | 25.59 | 650 | A1 | 25.59 | 650 |
| A2 | 18.90 | 480 | A2 | 18.90 | 480 | A2 | 18.90 | 480 |
| E | 0.74 | 45 | E | 0.74 | 45 | E | 0.74 | 45 |
| K | 1.38 | 35 | K | 1.38 | 35 | K | 1.38 | 35 |
| G | 3.39 | 86 | G | 2.66 | 67.5 | G | 3.74 | 95 |
| F | 0.98 | 25 | F | 0.79 | 20 | F | 1.10 | 28 |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 4807 | 2180 | | 3970 | 1800 | | 5148 | 2340 |



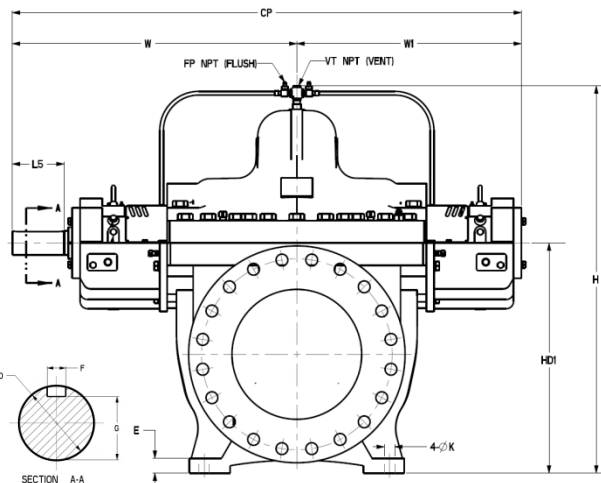
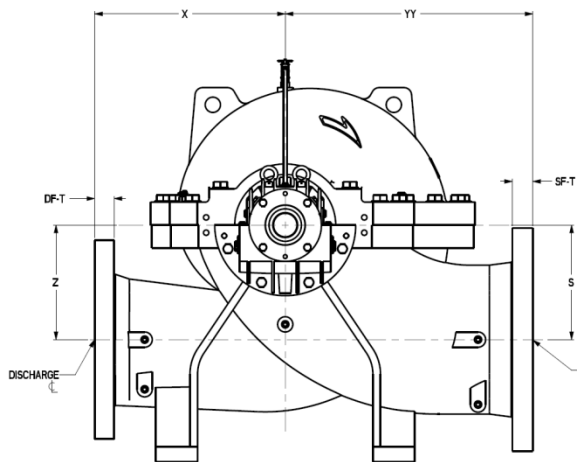
| Imp. Size | 16X24X31.5 | | Imp. Size | 16X24X38 | | Imp. Size | 18X20X15.5 | |
|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 16X24X29.5 | | | 16X24X34 | | | 18X20X14.5 | |
| Metric Size | 400-800 | | Metric Size | 400-970 | | Metric Size | 450-390 | |
| | 400-760 | | | 400-925 | | | 450-370 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 35.43 | 900 | YY | 39.37 | 1000 | YY | 33.46 | 850 |
| X | 31.50 | 800 | X | 35.43 | 900 | X | 25.59 | 650 |
| H | 64.88 | 1648 | H | 69.69 | 1770 | H | 53.15 | 1350 |
| HD1 | 39.37 | 1000 | HD1 | 41.34 | 1050 | HD1 | 32.28 | 820 |
| Z | 19.69 | 500 | Z | 21.65 | 550 | Z | 15.75 | 400 |
| S | 19.69 | 500 | S | 21.65 | 550 | S | 15.75 | 400 |
| B | 43.70 | 1110 | B | 48.03 | 1220 | B | 35.83 | 910 |
| B1 | 39.37 | 1000 | B1 | 43.31 | 1100 | B1 | 31.50 | 800 |
| B2 | 29.53 | 750 | B2 | 32.28 | 820 | B2 | 23.23 | 590 |
| W1 | 34.51 | 877 | W1 | 37.99 | 965 | W1 | 28.21 | 717 |
| W | 43.23 | 1098 | W | 46.77 | 1188 | W | 34.17 | 868 |
| CP | 77.74 | 1975 | CP | 84.76 | 2153 | CP | 62.39 | 1585 |
| L5 | 8.27 | 210 | L5 | 8.27 | 210 | L5 | 5.51 | 140 |
| D | 4.13 | 105 | D | 4.72 | 120 | D | 2.56 | 65 |
| A | 33.86 | 860 | A | 38.19 | 970 | A | 29.92 | 760 |
| A1 | 29.53 | 750 | A1 | 33.46 | 850 | A1 | 25.59 | 650 |
| A2 | 21.26 | 540 | A2 | 24.02 | 610 | A2 | 18.90 | 480 |
| E | 0.84 | 45 | E | 0.95 | 50 | E | 0.74 | 45 |
| K | 1.38 | 35 | K | 1.65 | 42 | K | 1.38 | 35 |
| G | 3.74 | 95 | G | 4.29 | 109 | G | 2.28 | 58 |
| F | 1.10 | 28 | F | 1.26 | 32 | F | 0.71 | 18 |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 6836 | 3100 | | 8158 | 3700 | | 3814 | 1730 |



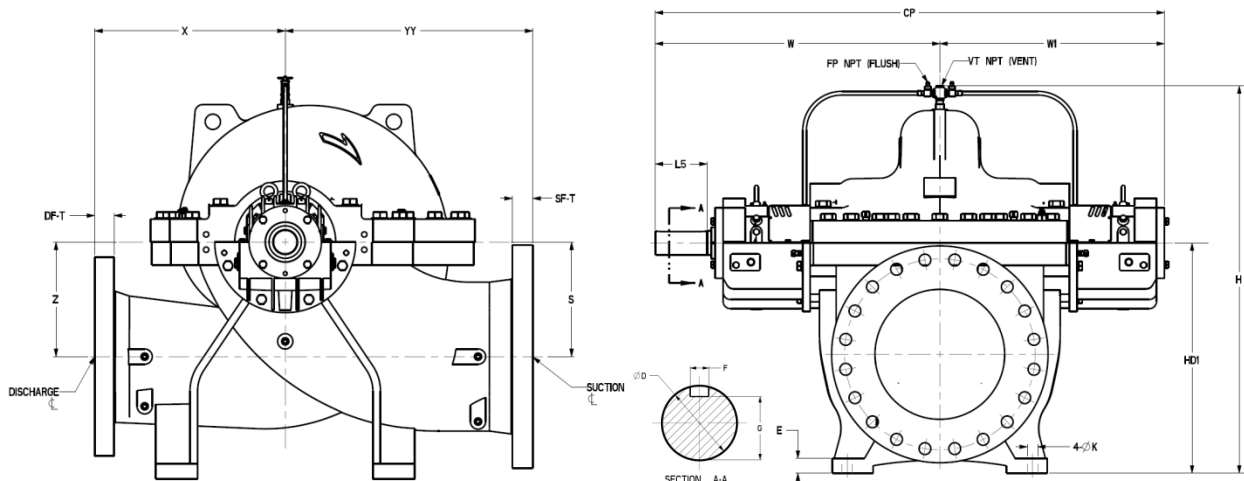
| Imp. Size | 20X24X18 | | Imp. Size | 20X24X20.5 | | Imp. Size | 20X24X24.5 | |
|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 20X24X17 | | | 20X24X19.5 | | | 20X24X23.5 | |
| Metric Size | 500-450 | | Metric Size | 500-525 | | Metric Size | 500-625 | |
| | 500-430 | | | 500-500 | | | 500-605 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 39.37 | 1000 | YY | 35.43 | 900 | YY | 39.37 | 1000 |
| X | 29.53 | 750 | X | 31.50 | 800 | X | 29.53 | 750 |
| H | 61.02 | 1550 | H | 61.81 | 1570 | H | 63.78 | 1620 |
| HD1 | 37.40 | 950 | HD1 | 37.40 | 950 | HD1 | 38.19 | 970 |
| Z | 18.90 | 480 | Z | 19.69 | 500 | Z | 20.47 | 520 |
| S | 18.90 | 480 | S | 19.69 | 500 | S | 20.47 | 520 |
| B | 43.70 | 1110 | B | 43.70 | 1110 | B | 43.70 | 1110 |
| B1 | 39.37 | 1000 | B1 | 39.37 | 1000 | B1 | 39.37 | 1000 |
| B2 | 29.53 | 750 | B2 | 29.53 | 750 | B2 | 29.53 | 750 |
| W1 | 31.36 | 797 | W1 | 29.53 | 750 | W1 | 30.38 | 772 |
| W | 38.50 | 978 | W | 36.73 | 933 | W | 37.52 | 953 |
| CP | 69.87 | 1775 | CP | 66.26 | 1683 | CP | 67.90 | 1725 |
| L5 | 6.69 | 170 | L5 | 6.69 | 170 | L5 | 6.69 | 170 |
| D | 3.35 | 85 | D | 3.35 | 85 | D | 3.74 | 95 |
| A | 33.86 | 860 | A | 33.86 | 860 | A | 33.86 | 860 |
| A1 | 29.53 | 750 | A1 | 29.53 | 750 | A1 | 29.53 | 750 |
| A2 | 21.26 | 540 | A2 | 21.26 | 540 | A2 | 21.26 | 540 |
| E | 0.84 | 45 | E | 0.84 | 45 | E | 0.84 | 45 |
| K | 1.38 | 35 | K | 1.38 | 35 | K | 1.38 | 35 |
| G | 2.99 | 76 | G | 2.99 | 76 | G | 3.39 | 86 |
| F | 0.87 | 22 | F | 0.87 | 22 | F | 0.98 | 25 |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 5412 | 2460 | | 5160 | 2340 | | 6758 | 3065 |



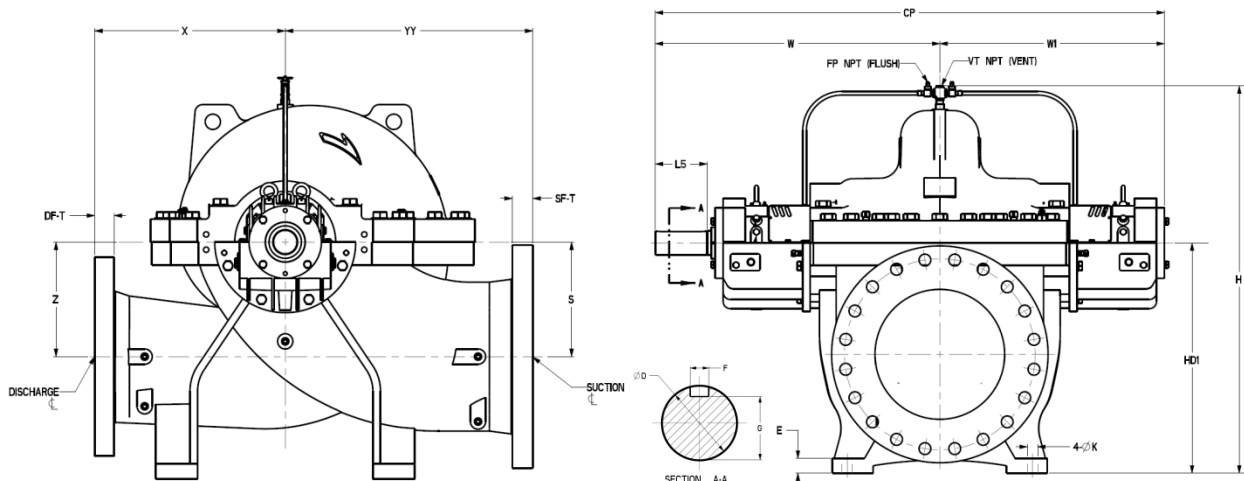
| Imp. Size | 20X28X28 | | Imp. Size | 20X28X36 | | Imp. Size | 24X28X22.5 | |
|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 20X28X27 | | | 20X28X34 | | | 24X28X21 | |
| Metric Size | 500-715 | | Metric Size | 500-920 | | Metric Size | 600-575 | |
| | 500-690 | | | 500-875 | | | 600-540 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 41.34 | 1050 | YY | 41.34 | 1050 | YY | 41.34 | 1050 |
| X | 33.46 | 850 | X | 37.40 | 950 | X | 35.43 | 900 |
| H | 72.44 | 1840 | H | 73.46 | 1866 | H | 68.70 | 1745 |
| HD1 | 45.28 | 1150 | HD1 | 45.28 | 1150 | HD1 | 41.34 | 1050 |
| Z | 23.62 | 600 | Z | 23.62 | 600 | Z | 21.65 | 550 |
| S | 23.62 | 600 | S | 23.62 | 600 | S | 21.65 | 550 |
| B | 48.03 | 1220 | B | 48.03 | 1220 | B | 48.03 | 1220 |
| B1 | 43.31 | 1100 | B1 | 43.31 | 1100 | B1 | 43.31 | 1100 |
| B2 | 32.28 | 820 | B2 | 32.28 | 820 | B2 | 32.28 | 820 |
| W1 | 35.04 | 890 | W1 | 40.31 | 1024 | W1 | 34.45 | 875 |
| W | 43.82 | 1113 | W | 50.71 | 1288 | W | 43.23 | 1098 |
| CP | 78.86 | 2003 | CP | 91.02 | 2312 | CP | 77.68 | 1973 |
| L5 | 8.27 | 210 | L5 | 9.84 | 250 | L5 | 8.27 | 210 |
| D | 4.72 | 120 | D | 5.51 | 140 | D | 4.13 | 105 |
| A | 38.19 | 970 | A | 38.19 | 970 | A | 38.19 | 970 |
| A1 | 33.46 | 850 | A1 | 33.46 | 850 | A1 | 33.46 | 850 |
| A2 | 24.02 | 610 | A2 | 24.02 | 610 | A2 | 24.02 | 610 |
| E | 0.95 | 50 | E | 0.95 | 50 | E | 0.95 | 50 |
| K | 1.65 | 42 | K | 1.65 | 42 | K | 1.65 | 42 |
| G | 4.29 | 109 | G | 5.04 | 128 | G | 3.74 | 95 |
| F | 1.26 | 32 | F | 1.42 | 36 | F | 1.10 | 28 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 8820 | 4000 | | 9856 | 4470 | | 6835 | 3100 |



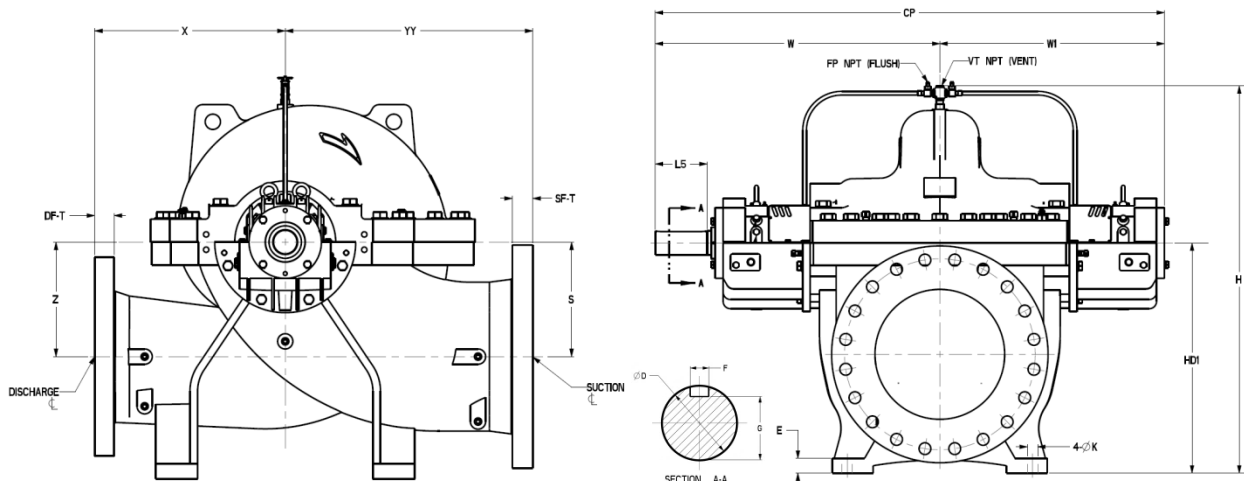
| Imp. Size | 24X28X24 | | Imp. Size | 24X32X31.5 | | Imp. Size | 24X32X39 | |
|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 24X28X23 | | | 24X32X30 | | | 24X32X37 | |
| Metric Size | 600-610 | | Metric Size | 600-810 | | Metric Size | 600-1000 | |
| | 600-580 | | | 600-770 | | | 600-950 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 41.34 | 1050 | YY | 47.24 | 1200 | YY | 47.24 | 1200 |
| X | 35.43 | 900 | X | 39.37 | 1000 | X | 45.28 | 1150 |
| H | 65.55 | 1665 | H | 81.89 | 2080 | H | 79.37 | 2016 |
| HD1 | 40.55 | 1030 | HD1 | 51.18 | 1300 | HD1 | 49.21 | 1250 |
| Z | 20.87 | 530 | Z | 27.56 | 700 | Z | 25.59 | 650 |
| S | 20.87 | 530 | S | 27.56 | 700 | S | 25.59 | 650 |
| B | 48.03 | 1220 | B | 52.76 | 1340 | B | 62.99 | 1600 |
| B1 | 43.31 | 1100 | B1 | 47.24 | 1200 | B1 | 51.18 | 1300 |
| B2 | 32.28 | 820 | B2 | 33.86 | 860 | B2 | 39.37 | 1000 |
| W1 | 33.13 | 842 | W1 | 39.37 | 1000 | W1 | 47.01 | 1194 |
| W | 40.28 | 1023 | W | 49.72 | 1263 | W | 54.84 | 1393 |
| CP | 73.41 | 1865 | CP | 89.09 | 2263 | CP | 101.85 | 2587 |
| L5 | 6.69 | 170 | L5 | 9.84 | 250 | L5 | 9.84 | 250 |
| D | 3.74 | 95 | D | 5.51 | 140 | D | 5.91 | 150 |
| A | 38.19 | 970 | A | 44.88 | 1140 | A | 53.15 | 1350 |
| A1 | 33.46 | 850 | A1 | 39.37 | 1000 | A1 | 43.31 | 1100 |
| A2 | 24.02 | 610 | A2 | 27.56 | 700 | A2 | 33.46 | 850 |
| E | 0.95 | 50 | E | 1.09 | 50 | E | 1.32 | 70 |
| K | 1.65 | 42 | K | 1.65 | 42 | K | 1.65 | 42 |
| G | 3.39 | 86 | G | 5.04 | 128 | G | 5.43 | 138 |
| F | 0.98 | 25 | F | 1.42 | 36 | F | 1.42 | 36 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 7497 | 3400 | | 14443 | 6550 | | 12899 | 5850 |



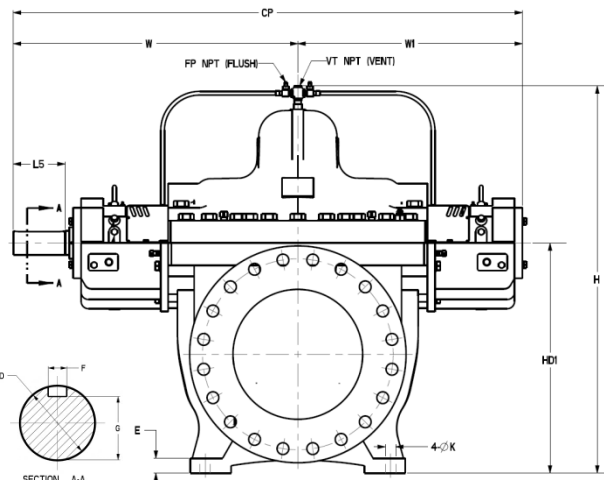
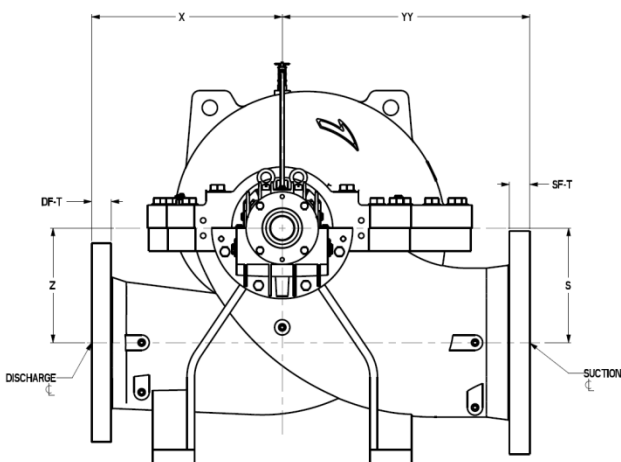
| Imp. Size | 24X32X43.5 | | Imp. Size | 28X28X21 | | Imp. Size | 28X32X26 | |
|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 24X32X41.5 | | | 28X28X19.5 | | | 28X32X25 | |
| Metric Size | 600-1115 | | Metric Size | 700-535 | | Metric Size | 700-670 | |
| | 600-1060 | | | 700-505 | | | 700-635 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 51.18 | 1300 | YY | 43.31 | 1100 | YY | 47.24 | 1200 |
| X | 49.21 | 1250 | X | 35.43 | 900 | X | 39.37 | 1000 |
| H | 84.49 | 2146 | H | 75.39 | 1915 | H | 77.36 | 1965 |
| HD1 | 51.18 | 1300 | HD1 | 43.70 | 1110 | HD1 | 47.24 | 1200 |
| Z | 27.56 | 700 | Z | 24.02 | 610 | Z | 25.59 | 650 |
| S | 27.56 | 700 | S | 24.02 | 610 | S | 25.59 | 650 |
| B | 62.99 | 1600 | B | 48.03 | 1220 | B | 52.76 | 1340 |
| B1 | 51.18 | 1300 | B1 | 43.31 | 1100 | B1 | 47.24 | 1200 |
| B2 | 39.37 | 1000 | B2 | 32.28 | 820 | B2 | 33.86 | 860 |
| W1 | 48.98 | 1244 | W1 | 35.83 | 910 | W1 | 37.99 | 965 |
| W | 56.81 | 1443 | W | 43.03 | 1093 | W | 46.77 | 1188 |
| CP | 105.79 | 2687 | CP | 78.86 | 2003 | CP | 84.76 | 2153 |
| L5 | 9.84 | 250 | L5 | 6.69 | 170 | L5 | 8.27 | 210 |
| D | 5.91 | 150 | D | 3.35 | 85 | D | 4.72 | 120 |
| A | 53.15 | 1350 | A | 38.19 | 970 | A | 44.88 | 1140 |
| A1 | 43.31 | 1100 | A1 | 33.46 | 850 | A1 | 39.37 | 1000 |
| A2 | 33.46 | 850 | A2 | 24.02 | 610 | A2 | 27.56 | 700 |
| E | 1.32 | 70 | E | 0.95 | 50 | E | 1.09 | 50 |
| K | 1.65 | 42 | K | 1.65 | 42 | K | 1.65 | 42 |
| G | 5.43 | 138 | G | 2.99 | 76 | G | 4.29 | 109 |
| F | 1.42 | 36 | F | 0.87 | 22 | F | 1.26 | 32 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 16979 | 7700 | | 11594 | 5270 | | 10364 | 4700 |



| Imp. Size | 28X32X23.5 | | Imp. Size | 28X32X30.5 | | Imp. Size | 28X32X34 | |
|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|
| | 28X32X23 | | | 28X32X28.5 | | | 28X32X32.5 | |
| Metric Size | 700-615 | | Metric Size | 700-775 | | Metric Size | 700-870 | |
| | 700-585 | | | 700-735 | | | 700-830 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 45.28 | 1150 | YY | 51.18 | 1300 | YY | 51.18 | 1300 |
| X | 37.40 | 950 | X | 43.31 | 1100 | X | 41.34 | 1050 |
| H | 72.64 | 1845 | H | 82.48 | 2095 | H | 84.45 | 2145 |
| HD1 | 45.28 | 1150 | HD1 | 49.21 | 1250 | HD1 | 51.18 | 1300 |
| Z | 23.62 | 600 | Z | 27.56 | 700 | Z | 29.53 | 750 |
| S | 23.62 | 600 | S | 27.56 | 700 | S | 29.53 | 750 |
| B | 52.76 | 1340 | B | 52.76 | 1340 | B | 52.76 | 1340 |
| B1 | 47.24 | 1200 | B1 | 47.24 | 1200 | B1 | 47.24 | 1200 |
| B2 | 33.31 | 846 | B2 | 33.86 | 860 | B2 | 33.86 | 860 |
| W1 | 37.99 | 965 | W1 | 40.35 | 1025 | W1 | 41.34 | 1050 |
| W | 46.77 | 1188 | W | 49.13 | 1248 | W | 51.69 | 1313 |
| CP | 84.76 | 2153 | CP | 89.49 | 2273 | CP | 93.03 | 2363 |
| L5 | 8.27 | 210 | L5 | 8.27 | 210 | L5 | 9.84 | 250 |
| D | 4.72 | 120 | D | 4.72 | 120 | D | 5.51 | 140 |
| A | 44.88 | 1140 | A | 44.88 | 1140 | A | 44.88 | 1140 |
| A1 | 39.37 | 1000 | A1 | 39.37 | 1000 | A1 | 39.37 | 1000 |
| A2 | 27.56 | 700 | A2 | 27.56 | 700 | A2 | 27.56 | 700 |
| E | 1.09 | 50 | E | 1.09 | 50 | E | 1.09 | 50 |
| K | 1.65 | 42 | K | 1.65 | 42 | K | 1.65 | 42 |
| G | 4.29 | 109 | G | 4.29 | 109 | G | 5.04 | 128 |
| F | 1.26 | 32 | F | 1.26 | 32 | F | 1.42 | 36 |
| | | | | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 11576 | 5250 | | 13120 | 5950 | | 16979 | 7700 |



| Imp. Size | 28X36X39 | | Imp. Size | 32X32X23 | |
|-------------|-------------|------------|-------------|-------------|------------|
| | 28X36X37 | | | 32X32X22 | |
| Metric Size | 700-995 | | Metric Size | 800-590 | |
| | 700-945 | | | 800-560 | |
| Dims. | Value (in.) | Value (mm) | Dims. | Value (in.) | Value (mm) |
| YY | 59.06 | 1500 | YY | 47.24 | 1200 |
| X | 47.24 | 1200 | X | 39.37 | 1000 |
| H | 95.31 | 2421 | H | 83.27 | 2115 |
| HD1 | 59.06 | 1500 | HD1 | 48.43 | 1230 |
| Z | 33.46 | 850 | Z | 26.77 | 680 |
| S | 33.46 | 850 | S | 26.77 | 680 |
| B | 62.99 | 1600 | B | 52.76 | 1340 |
| B1 | 51.18 | 1300 | B1 | 47.24 | 1200 |
| B2 | 39.37 | 1000 | B2 | 33.86 | 860 |
| W1 | 46.54 | 1182 | W1 | 39.76 | 1010 |
| W | 56.02 | 1423 | W | 48.54 | 1233 |
| CP | 102.56 | 2605 | CP | 88.31 | 2243 |
| L5 | 11.81 | 300 | L5 | 8.27 | 210 |
| D | 6.30 | 160 | D | 4.13 | 105 |
| A | 53.15 | 1350 | A | 44.88 | 1140 |
| A1 | 43.31 | 1100 | A1 | 39.37 | 1000 |
| A2 | 33.46 | 850 | A2 | 27.56 | 700 |
| E | 1.32 | 70 | E | 1.09 | 50 |
| K | 1.65 | 42 | K | 1.65 | 42 |
| G | 5.79 | 147 | G | 3.74 | 95 |
| F | 1.57 | 40 | F | 1.10 | 28 |
| | | | | | |
| Weight | (lb.) | (kg) | Weight | (lb.) | (kg) |
| | 23605 | 10720 | | 15202 | 6910 |



Suction Flange Dimensions (125# ANSI & AWWA Class D)

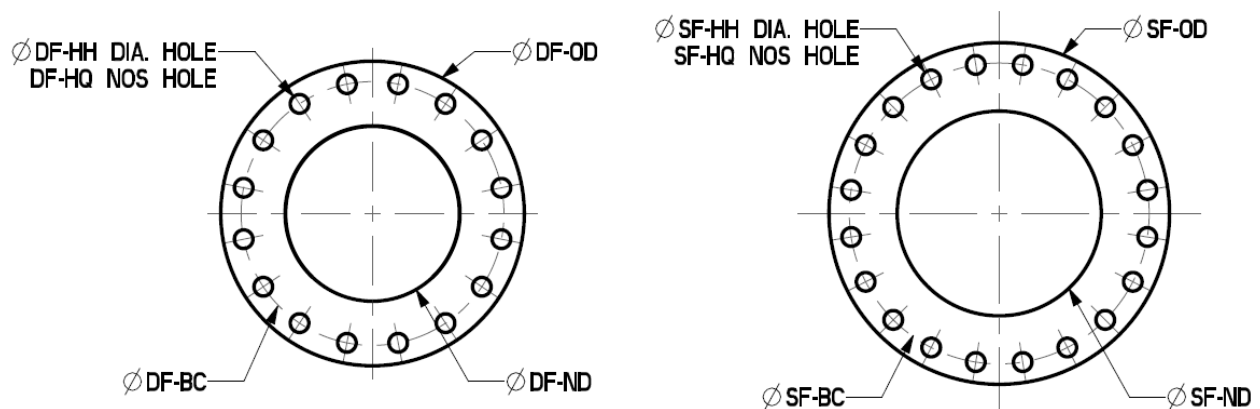
| SF-ND ¹ | SF-BC | SF-OD | SF-HQ | SF-HH |
|--------------------|--------------|--------------|-----------|------------|
| inch [mm] | inch [mm] | inch [mm] | No. Holes | inch [mm] |
| 5 [125] | 8.5 [216] | 10 [254] | 8 | 0.875 [22] |
| 6 [150] | 9.5 [241] | 11 [279] | 8 | 0.875 [22] |
| 8 [200] | 11.75 [298] | 13.5 [343] | 8 | 0.875 [22] |
| 10 [250] | 14.25 [362] | 16 [406] | 12 | 1 [25] |
| 12 [300] | 17 [432] | 19 [483] | 12 | 1 [25] |
| 14 [350] | 18.75 [476] | 21 [533] | 12 | 1.125 [29] |
| 16 [400] | 21.25 [540] | 23.5 [597] | 16 | 1 [25] |
| 18 [450] | 22.75 [578] | 25 [635] | 16 | 1.25 [32] |
| 20 [500] | 25 [635] | 27.5 [699] | 20 | 1.25 [32] |
| 24 [600] | 29.5 [749] | 32 [813] | 20 | 1.375 [35] |
| 28 [700] | 34 [864] | 36.5 [927] | 28 | 1.375 [35] |
| 32 [800] | 38.5 [978] | 41.75 [1060] | 24 | 1.625 [41] |
| 36 [900] | 42.75 [1085] | 46 [1168] | 32 | 1.625 [41] |

¹Dimensions follow AWWA Class D (175 psi) for nominal diameters 28" and above.

Discharge Flange Dimensions (125# ANSI & AWWA Class D)

| DF-ND ¹ | DF-BC | DF-OD | DF-HQ | DF-HH |
|--------------------|-------------|------------|-----------|------------|
| inch [mm] | inch [mm] | inch [mm] | No. Holes | inch [mm] |
| 3 [80] | 6 [152] | 7.5 [191] | 4 | 0.75 [19] |
| 4 [100] | 7.5 [191] | 9 [229] | 8 | 0.75 [19] |
| 5 [125] | 8.5 [216] | 10 [254] | 8 | 0.875 [22] |
| 6 [150] | 9.5 [241] | 11 [279] | 8 | 0.875 [22] |
| 8 [200] | 11.75 [298] | 13.5 [343] | 8 | 0.875 [22] |
| 10 [250] | 14.25 [362] | 16 [406] | 12 | 1 [25] |
| 12 [300] | 17 [432] | 19 [483] | 12 | 1 [25] |
| 14 [350] | 18.75 [476] | 21 [533] | 12 | 1.125 [29] |
| 16 [400] | 29.5 [749] | 32 [813] | 20 | 1.375 [35] |
| 18 [450] | 22.75 [578] | 25 [635] | 16 | 1.25 [32] |
| 20 [500] | 25 [635] | 27.5 [699] | 20 | 1.25 [32] |
| 24 [600] | 29.5 [749] | 32 [813] | 20 | 1.375 [35] |
| 28 [700] | 34 [864] | 36.5 [927] | 28 | 1.375 [35] |

¹Dimensions follow AWWA Class D (175 psi) for nominal diameters 28" and above.



Suction Flange Dimensions (250# ANSI & AWWA Class F)

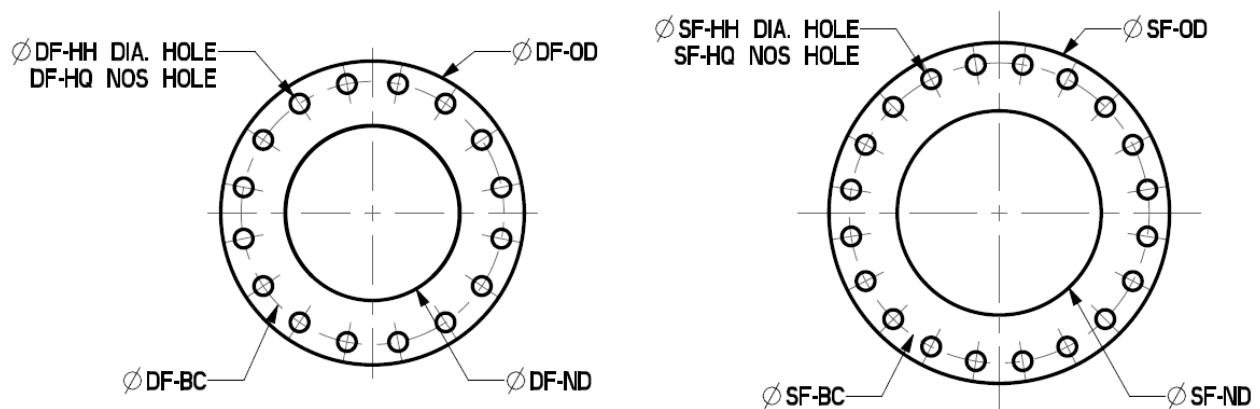
| SF-ND ¹ | SF-BC | SF-OD | SF-HQ | SF-HH |
|--------------------|--------------|--------------|-----------|------------|
| inch [mm] | inch [mm] | inch [mm] | No. Holes | inch [mm] |
| 5 [125] | 9.25 [235] | 11 [279] | 8 | 0.875 [22] |
| 6 [150] | 10.625 [270] | 12.5 [318] | 12 | 0.875 [22] |
| 8 [200] | 13 [330] | 15 [381] | 12 | 1 [25] |
| 10 [250] | 15.25 [387] | 17.5 [445] | 16 | 1.125 [29] |
| 12 [300] | 17.75 [451] | 20.5 [521] | 16 | 1.25 [32] |
| 14 [350] | 20.25 [514] | 23 [584] | 20 | 1.25 [32] |
| 16 [400] | 22.5 [572] | 25.5 [648] | 20 | 1.375 [35] |
| 18 [450] | 24.75 [629] | 28 [711] | 24 | 1.375 [35] |
| 20 [500] | 27 [686] | 30.5 [775] | 24 | 1.375 [35] |
| 24 [600] | 32 [813] | 36 [914] | 24 | 1.625 [41] |
| 28 [700] | 37 [940] | 40.75 [1035] | 28 | 1.875 [48] |
| 32 [800] | 41.5 [1054] | 45.25 [1149] | 28 | 1.875 [48] |
| 36 [900] | 46 [1168] | 50 [1270] | 32 | 2 [51] |

¹Dimensions follow AWWA Class F (300 psi) for nominal diameters 28" and above.

Discharge Flange Dimensions (250# ANSI & AWWA Class F)

| DF-ND ¹ | DF-BC | DF-OD | DF-HQ | DF-HH |
|--------------------|--------------|--------------|-----------|------------|
| inch [mm] | inch [mm] | inch [mm] | No. Holes | inch [mm] |
| 3 [80] | 6.625 [168] | 8.25 [210] | 8 | 0.875 [22] |
| 4 [100] | 7.875 [200] | 10 [254] | 8 | 0.875 [22] |
| 5 [125] | 9.25 [235] | 11 [279] | 8 | 0.875 [22] |
| 6 [150] | 10.625 [270] | 12.5 [318] | 12 | 0.875 [22] |
| 8 [200] | 13 [330] | 15 [381] | 12 | 1 [25] |
| 10 [250] | 15.25 [387] | 17.5 [445] | 16 | 1.125 [29] |
| 12 [300] | 17.75 [451] | 20.5 [521] | 16 | 1.25 [32] |
| 14 [350] | 20.25 [514] | 23 [584] | 20 | 1.25 [32] |
| 16 [400] | 22.5 [572] | 25.5 [648] | 20 | 1.375 [35] |
| 18 [450] | 24.75 [629] | 28 [711] | 24 | 1.375 [35] |
| 20 [500] | 27 [686] | 30.5 [775] | 24 | 1.375 [35] |
| 24 [600] | 32 [813] | 36 [914] | 24 | 1.625 [41] |
| 28 [700] | 37 [940] | 40.75 [1035] | 28 | 1.875 [48] |

¹Dimensions follow AWWA Class F (300 psi) for nominal diameters 28" and above.

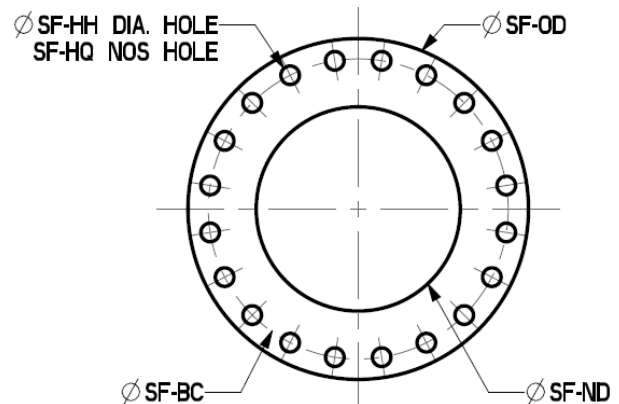
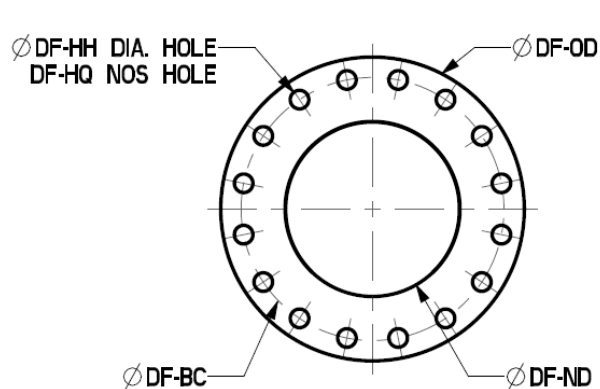


Suction Flange Dimensions (DIN/PN16)

| SF-ND | SF-BC | SF-OD | SF-HQ | SF-HH |
|-----------|-------|-------|-----------|-------|
| inch [mm] | mm | mm | No. Holes | mm |
| 5 [125] | 210 | 250 | 8 | 18 |
| 6 [150] | 240 | 285 | 8 | 22 |
| 8 [200] | 295 | 340 | 12 | 22 |
| 10 [250] | 355 | 405 | 12 | 26 |
| 12 [300] | 410 | 460 | 12 | 26 |
| 14 [350] | 470 | 520 | 16 | 26 |
| 16 [400] | 525 | 580 | 16 | 30 |
| 18 [450] | 585 | 640 | 20 | 30 |
| 20 [500] | 650 | 715 | 20 | 33 |
| 24 [600] | 770 | 840 | 20 | 36 |
| 28 [700] | 840 | 910 | 24 | 36 |
| 32 [800] | 950 | 1025 | 24 | 39 |
| 36 [900] | 1050 | 1125 | 28 | 39 |

Discharge Flange Dimensions (DIN/PN16)

| DF-ND | DF-BC | DF-OD | DF-HQ | DF-HH |
|-----------|-------|-------|-----------|-------|
| inch [mm] | mm | mm | No. Holes | mm |
| 3 [80] | 160 | 200 | 8 | 18 |
| 4 [100] | 180 | 220 | 8 | 18 |
| 5 [125] | 210 | 250 | 8 | 18 |
| 6 [150] | 240 | 285 | 8 | 22 |
| 8 [200] | 295 | 340 | 12 | 22 |
| 10 [250] | 355 | 405 | 12 | 26 |
| 12 [300] | 410 | 460 | 12 | 26 |
| 14 [350] | 470 | 520 | 16 | 26 |
| 16 [400] | 525 | 580 | 16 | 30 |
| 18 [450] | 585 | 640 | 20 | 30 |
| 20 [500] | 650 | 715 | 20 | 33 |
| 24 [600] | 770 | 840 | 20 | 36 |
| 28 [700] | 840 | 910 | 24 | 36 |
| 32 [800] | 950 | 1025 | 24 | 39 |

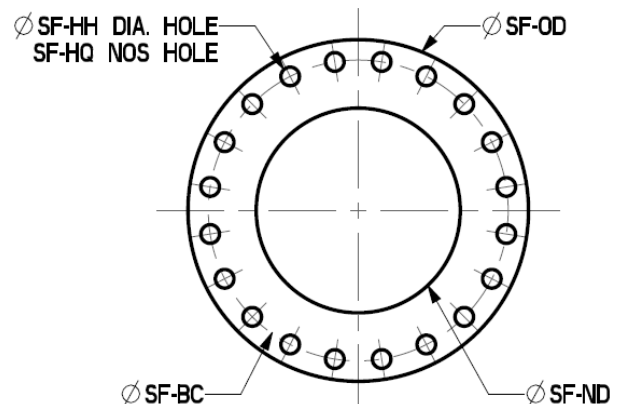
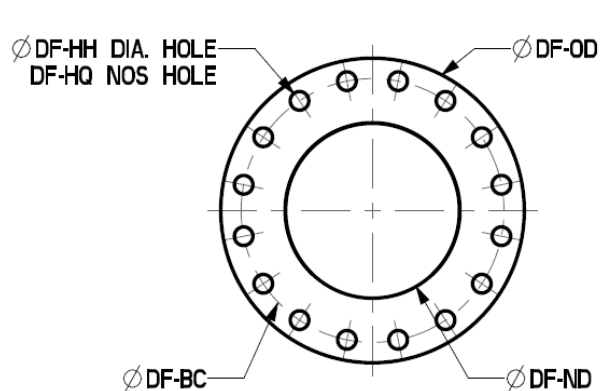


Suction Flange Dimensions (DIN/PN25)

| SF-ND | SF-BC | SF-OD | SF-HQ | SF-HH |
|-----------|-------------------------|-------|-----------|-------|
| inch [mm] | mm | mm | No. Holes | mm |
| 5 [125] | Use DIN/PN40 Dimensions | | | |
| 6 [150] | Use DIN/PN40 Dimensions | | | |
| 8 [200] | 310 | 360 | 12 | 26 |
| 10 [250] | 370 | 425 | 12 | 30 |
| 12 [300] | 430 | 485 | 16 | 30 |
| 14 [350] | 490 | 555 | 16 | 33 |
| 16 [400] | 550 | 620 | 16 | 36 |
| 18 [450] | 600 | 670 | 20 | 36 |
| 20 [500] | 660 | 730 | 20 | 36 |
| 24 [600] | 770 | 845 | 20 | 39 |
| 28 [700] | 875 | 960 | 24 | 42 |
| 32 [800] | 990 | 1085 | 24 | 48 |
| 36 [900] | 1090 | 1158 | 28 | 48 |

Discharge Flange Dimensions (DIN/PN25)

| DF-ND | DF-BC | DF-OD | DF-HQ | DF-HH |
|-----------|-------------------------|-------|-----------|-------|
| inch [mm] | mm | mm | No. Holes | mm |
| 3 [80] | Use DIN/PN40 Dimensions | | | |
| 4 [100] | Use DIN/PN40 Dimensions | | | |
| 5 [125] | Use DIN/PN40 Dimensions | | | |
| 6 [150] | Use DIN/PN40 Dimensions | | | |
| 8 [200] | 310 | 360 | 12 | 26 |
| 10 [250] | 370 | 425 | 12 | 30 |
| 12 [300] | 430 | 485 | 16 | 30 |
| 14 [350] | 490 | 555 | 16 | 33 |
| 16 [400] | 550 | 620 | 16 | 36 |
| 18 [450] | 600 | 670 | 20 | 36 |
| 20 [500] | 660 | 730 | 20 | 36 |
| 24 [600] | 770 | 845 | 20 | 39 |
| 28 [700] | 875 | 960 | 24 | 42 |
| 32 [800] | 990 | 1085 | 24 | 48 |

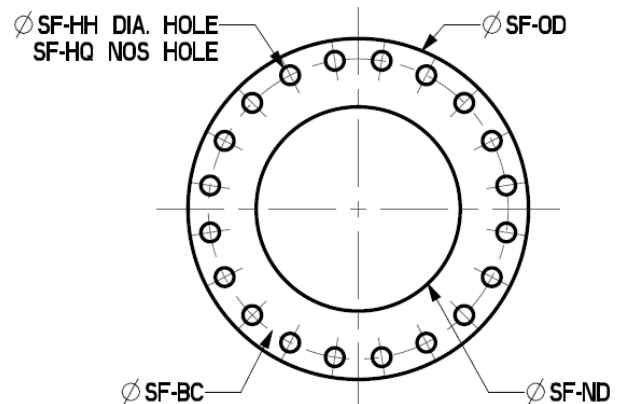
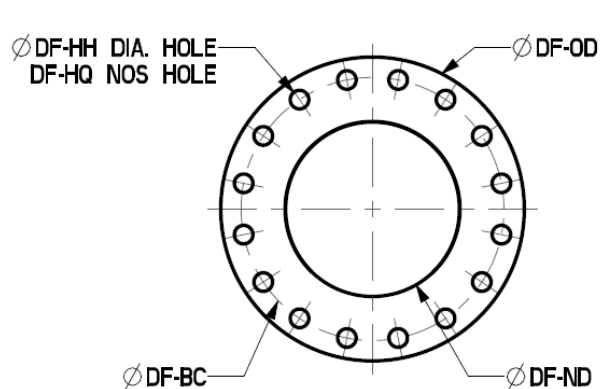


Suction Flange Dimensions (DIN/PN40)

| SF-ND | SF-BC | SF-OD | SF-HQ | SF-HH |
|-----------|---------------|-------|-----------|-------|
| inch [mm] | mm | mm | No. Holes | mm |
| 5 [125] | 220 | 270 | 8 | 26 |
| 6 [150] | 250 | 300 | 8 | 26 |
| 8 [200] | 320 | 375 | 12 | 30 |
| 10 [250] | 385 | 450 | 12 | 33 |
| 12 [300] | 450 | 515 | 16 | 33 |
| 14 [350] | 510 | 580 | 16 | 36 |
| 16 [400] | 585 | 660 | 16 | 39 |
| 18 [450] | 610 | 685 | 20 | 39 |
| 20 [500] | 670 | 755 | 20 | 42 |
| 24 [600] | 795 | 890 | 20 | 48 |
| 28 [700] | | | | |
| 32 [800] | Not Available | | | |
| 36 [900] | Not Available | | | |

Discharge Flange Dimensions (DIN/PN40)

| DF-ND | DF-BC | DF-OD | DF-HQ | DF-HH |
|-----------|---------------|-------|-----------|-------|
| inch [mm] | mm | mm | No. Holes | mm |
| 3 [80] | 160 | 200 | 8 | 18 |
| 4 [100] | 190 | 235 | 8 | 22 |
| 5 [125] | 220 | 270 | 8 | 26 |
| 6 [150] | 250 | 300 | 8 | 26 |
| 8 [200] | 320 | 375 | 12 | 30 |
| 10 [250] | 385 | 450 | 12 | 33 |
| 12 [300] | 450 | 515 | 16 | 33 |
| 14 [350] | 510 | 580 | 16 | 36 |
| 16 [400] | 585 | 660 | 16 | 39 |
| 18 [450] | 610 | 685 | 20 | 39 |
| 20 [500] | 670 | 755 | 20 | 42 |
| 24 [600] | 795 | 890 | 20 | 48 |
| 28 [700] | | | | |
| 32 [800] | Not Available | | | |



Flange Thickness Dimensions

| e-XC Model | | Metric Equivalent | | Suction mm [in.] | Discharge mm [in.] |
|------------|------------|-------------------|---------|------------------|--------------------|
| 3X5X8.5 | 3X5X8 | 80-215 | 80-205 | 34.9 [1.37] | 28.6 [1.13] |
| 3X5X11 | 3X5X10.5 | 80-285 | 80-270 | 34.9 [1.37] | 28.6 [1.13] |
| 3X5X12.5 | 3X5X12 | 80-315 | 80-300 | 34.9 [1.37] | 28.6 [1.13] |
| 3X5X13.5 | 3X5X13 | 80-345 | 80-330 | 34.9 [1.37] | 28.6 [1.13] |
| 4X5X6.5 | 4X5X6 | 100-165 | 100-155 | 34.9 [1.37] | 31.8 [1.25] |
| 4X6X10 | 4X6X9.5 | 100-260 | 100-250 | 36.5 [1.44] | 31.8 [1.25] |
| 4X6X13 | 4X6X12 | 100-325 | 100-310 | 36.5 [1.44] | 31.8 [1.25] |
| 4X6X14.5 | 4X6X13.5 | 100-365 | 100-350 | 36.5 [1.44] | 31.8 [1.25] |
| 4X6X16 | 4X6X15.5 | 100-410 | 100-390 | 36.5 [1.44] | 31.8 [1.25] |
| 5X6X7.5 | 5X6X7 | 125-195 | 125-185 | 36.5 [1.44] | 34.9 [1.37] |
| 5X6X9 | 5X6X8.5 | 125-225 | 125-215 | 36.5 [1.44] | 34.9 [1.37] |
| 5X8X9.5 | 5X8X9 | 125-245 | 125-235 | 41.0 [1.61] | 34.9 [1.37] |
| 5X8X12 | 5X8X11 | 125-300 | 125-285 | 41.3 [1.63] | 34.9 [1.37] |
| 5X8X14 | 5X8X13.5 | 125-355 | 125-335 | 41.3 [1.63] | 34.9 [1.37] |
| 5X8X15.5 | 5X8X14.5 | 125-390 | 125-370 | 41.3 [1.63] | 34.9 [1.37] |
| 5X8X19 | 5X8X18 | 125-475 | 125-450 | 41.0 [1.61] | 34.9 [1.37] |
| 6X8X6.5 | 6X8X6 | 150-170 | 150-160 | 41.3 [1.63] | 36.5 [1.44] |
| 6X8X12 | 6X8X11 | 150-300 | 150-285 | 41.3 [1.63] | 36.5 [1.44] |
| 6X8X14 | 6X8X13.5 | 150-355 | 150-340 | 41.3 [1.63] | 36.5 [1.44] |
| 6X8X18 | 6X8X17 | 150-455 | 150-435 | 41.3 [1.63] | 36.5 [1.44] |
| 6X8X22 | 6X8X21 | 150-560 | 150-535 | 41.0 [1.61] | 36.5 [1.44] |
| 6X10X11 | 6X10X10.5 | 150-280 | 150-265 | 48.0 [1.89] | 37.0 [1.46] |
| 8X8X8 | 8X8X7.5 | 200-200 | 200-190 | 41.3 [1.63] | 41.3 [1.63] |
| 8X10X10 | 8X10X9.5 | 200-250 | 200-240 | 47.6 [1.87] | 41.3 [1.63] |
| 8X10X13.5 | 8X10X13 | 200-345 | 200-330 | 48.0 [1.89] | 41.0 [1.61] |
| 8X10X17 | 8X10X16 | 200-425 | 200-405 | 48.0 [1.89] | 41.0 [1.61] |
| 8X10X21 | 8X10X20 | 200-530 | 200-505 | 47.6 [1.87] | 41.3 [1.63] |
| 8X10X26 | 8X10X25 | 200-655 | 200-625 | 48.0 [1.89] | 41.0 [1.61] |
| 10X10X8 | 10X10X7.5 | 250-200 | 250-190 | 48.0 [1.89] | 48.0 [1.89] |
| 10X12X15.5 | 10X12X14.5 | 250-390 | 250-370 | 51.0 [2.01] | 48.0 [1.89] |
| 10X12X19 | 10X12X18 | 250-480 | 250-455 | 51.0 [2.01] | 48.0 [1.89] |
| 10X12X24 | 10X12X23 | 250-610 | 250-580 | 50.8 [2.00] | 47.6 [1.87] |
| 10X12X30 | 10X12X28.5 | 250-770 | 250-730 | 50.8 [2.00] | 47.6 [1.87] |
| 12X12X9 | 12X12X8.5 | 300-225 | 300-215 | 50.8 [2.00] | 50.8 [2.00] |
| 12X12X10 | 12X12X9.5 | 300-255 | 300-245 | 50.8 [2.00] | 50.8 [2.00] |
| 12X14X13 | 12X14X12.5 | 300-330 | 300-315 | 54.0 [2.13] | 51.0 [2.01] |
| 12X16X18 | 12X16X17 | 300-450 | 300-430 | 57.2 [2.25] | 50.8 [2.00] |
| 12X16X22 | 12X16X21 | 300-550 | 300-525 | 57.0 [2.24] | 51.0 [2.01] |
| 12X16X28 | 12X16X27 | 300-705 | 300-680 | 57.2 [2.25] | 50.8 [2.00] |
| 14X14X12 | 14X14X11 | 350-300 | 350-285 | 54.0 [2.13] | 54.0 [2.13] |
| 14X16X15 | 14X16X14.5 | 350-385 | 350-365 | 57.0 [2.24] | 54.0 [2.13] |

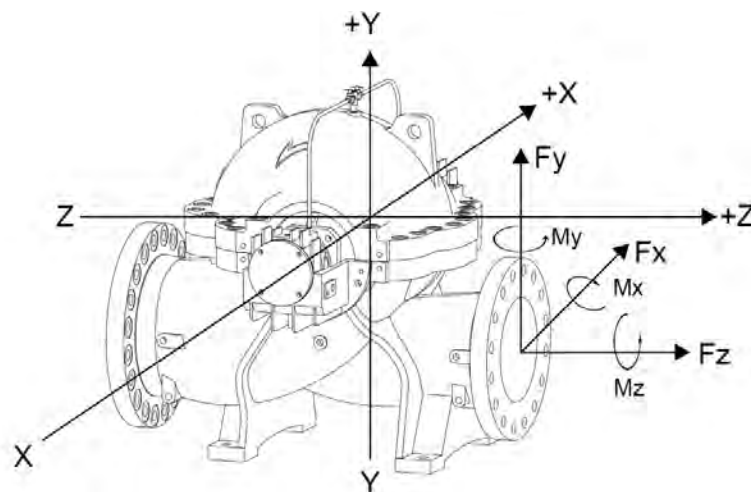
Flange Thickness Dimensions

| e-XC Model | | Metric Equivalent | | Suction mm [in.] | Discharge mm [in.] |
|------------|------------|-------------------|----------|------------------|--------------------|
| 14X16X27.5 | 14X16X26 | 350-690 | 350-655 | 57.2 [2.25] | 54.0 [2.13] |
| 14X16X30.5 | 14X16X29 | 350-780 | 350-745 | 57.2 [2.25] | 54.0 [2.13] |
| 14X18X18 | 14X18X17 | 350-450 | 350-430 | 60.0 [2.63] | 54.0 [2.13] |
| 14X18X21 | 14X18X20 | 350-530 | 350-505 | 60.0 [2.63] | 54.0 [2.13] |
| 14X20X26.5 | 14X20X25.5 | 350-685 | 350-650 | 42.9 [1.69] | 36.0 [1.42] |
| 14X20X33 | 14X20X31.5 | 350-845 | 350-805 | 63.5 [2.50] | 54.0 [2.13] |
| 16X16X13.5 | 16X16X13 | 400-340 | 400-325 | 57.2 [2.25] | 57.2 [2.25] |
| 16X20X20.5 | 16X20X19.5 | 400-525 | 400-500 | 63.5 [2.50] | 57.2 [2.25] |
| 16X20X21 | 16X20X20 | 400-535 | 400-510 | 42.9 [1.69] | 38.0 [1.50] |
| 16X20X23 | 16X20X22 | 400-580 | 400-550 | 63.5 [2.50] | 57.2 [2.25] |
| 16X24X31.5 | 16X24X29.5 | 400-800 | 400-760 | 69.9 [2.75] | 57.2 [2.25] |
| 16X24X38 | 16X24X34 | 400-970 | 400-925 | 69.9 [2.75] | 57.2 [2.25] |
| 18X20X15.5 | 18X20X14.5 | 450-390 | 450-370 | 64.0 [2.52] | 60.0 [2.36] |
| 20X24X18 | 20X24X17 | 500-450 | 500-430 | 69.9 [2.75] | 63.5 [2.50] |
| 20X24X20.5 | 20X24X19.5 | 500-525 | 500-500 | 48.0 [1.89] | 42.9 [1.69] |
| 20X24X24.5 | 20X24X23.5 | 500-625 | 500-605 | 48.0 [1.89] | 42.9 [1.69] |
| 20X28X28 | 20X28X27 | 500-715 | 500-690 | 79.5 [3.13] | 63.5 [2.50] |
| 20X28X36 | 20X28X34 | 500-920 | 500-875 | 79.5 [3.13] | 63.5 [2.50] |
| 24X28X22.5 | 24X28X21 | 600-575 | 600-540 | 54.0 [2.13] | 48.0 [1.89] |
| 24X28X24 | 24X28X23 | 600-610 | 600-580 | 54.0 [2.13] | 48.0 [1.89] |
| 24X32X31.5 | 24X32X30 | 600-810 | 600-770 | 82.6 [3.25] | 69.9 [2.75] |
| 24X32X39 | 24X32X37 | 600-1000 | 600-950 | 82.6 [3.25] | 69.9 [2.75] |
| 24X32X43.5 | 24X32X41.5 | 600-1115 | 600-1060 | 82.6 [3.25] | 69.9 [2.75] |
| 28X28X21 | 28X28X19.5 | 700-535 | 700-505 | 54.0 [2.13] | 54.0 [2.13] |
| 28X32X26 | 28X32X25 | 700-615 | 700-585 | 58.0 [2.28] | 54.0 [2.13] |
| 28X32X23.5 | 28X32X23 | 700-670 | 700-635 | 58.0 [2.28] | 54.0 [2.13] |
| 28X32X30.5 | 28X32X28.5 | 700-775 | 700-735 | 58.0 [2.28] | 54.0 [2.13] |
| 28X32X34 | 28X32X32.5 | 700-870 | 700-830 | 58.0 [2.28] | 54.0 [2.13] |
| 28X36X39 | 28X36X37 | 700-995 | 700-945 | 39.7 [1.56] | 34.9 [1.37] |
| 32X32X23 | 32X32X22 | 800-590 | 800-560 | 58.0 [2.28] | 58.0 [2.28] |

Forces and Moments at Pump Flanges

Flange Loading Ratings

| Dia. mm [in.] | Force N [lbf] | | | | Moment N·m [lbf·ft] | | | |
|------------------|----------------|----------------|----------------|--------------|---------------------|----------------|----------------|--------------|
| | F _x | F _y | F _z | ΣF | M _x | M _y | M _z | ΣM |
| 65 [2.5] | 740 [166] | 840 [189] | 680 [153] | 1320 [297] | 450 [332] | 330 [243] | 360 [266] | 660 [487] |
| 80 [3] | 900 [202] | 1000 [225] | 820 [184] | 1580 [355] | 480 [354] | 345 [254] | 390 [288] | 705 [520] |
| 100 [4] | 1200 [270] | 1340 [301] | 1080 [243] | 2100 [472] | 510 [376] | 375 [277] | 435 [321] | 780 [575] |
| 125 [5] | 1420 [319] | 1580 [355] | 1280 [288] | 2480 [558] | 630 [465] | 450 [332] | 570 [420] | 915 [675] |
| 150 [6] | 1800 [405] | 2000 [450] | 1620 [364] | 3140 [706] | 750 [553] | 525 [387] | 615 [454] | 1095 [808] |
| 200 [8] | 2400 [540] | 2680 [602] | 2160 [486] | 4180 [940] | 975 [719] | 690 [509] | 795 [586] | 1440 [1062] |
| 250 [10] | 2980 [670] | 3340 [751] | 2700 [607] | 5220 [1174] | 1335 [985] | 945 [697] | 1095 [808] | 1965 [1449] |
| 300 [12] | 3580 [805] | 4000 [899] | 3220 [724] | 6260 [1407] | 1815 [1339] | 1290 [951] | 1485 [1095] | 2670 [1969] |
| 350 [14] | 4180 [940] | 4660 [1048] | 3760 [845] | 7300 [1641] | 2325 [1715] | 1650 [1217] | 1905 [1405] | 3420 [2522] |
| 400 [16] | 4780 [1075] | 5320 [1196] | 4300 [967] | 8340 [1875] | 2910 [2146] | 2085 [1538] | 2385 [1759] | 4290 [3164] |
| 450 [18] | 5380 [1209] | 5980 [1344] | 4840 [1088] | 9380 [2109] | 3585 [2644] | 2550 [1881] | 2940 [2168] | 5280 [3894] |
| 500 [20] | 5980 [1344] | 6640 [1493] | 5380 [1209] | 10420 [2343] | 4335 [3197] | 3075 [2268] | 3540 [2611] | 6390 [4713] |
| 550 [22] | 6580 [1479] | 7300 [1641] | 5920 [1331] | 11460 [2576] | 5130 [3784] | 3660 [2699] | 4215 [3109] | 7590 [5598] |
| 600 [24] | 7180 [1614] | 7960 [1789] | 6440 [1448] | 12500 [2810] | 6060 [4470] | 4320 [3186] | 4980 [3673] | 8970 [6616] |
| 700 [28] | 8360 [1879] | 9320 [2095] | 7520 [1691] | 14600 [3282] | 4650 [3430] | 3300 [2434] | 3810 [2810] | 6840 [5045] |
| 800 [32] | 9560 [2149] | 10640 [2392] | 8600 [1933] | 16680 [3750] | 5820 [4293] | 4170 [3076] | 4770 [3518] | 8580 [6328] |
| 900 [36] | 10760 [2419] | 11960 [2689] | 9680 [2176] | 18760 [4217] | 7170 [5288] | 5100 [3762] | 5880 [4337] | 10560 [7789] |



Max Solid Sphere Data

| No. | e-XC Model | Metric Equivalent | Max Dia. mm [inch] | No. | e-XC Model | Metric Equivalent | Max Dia. mm [inch] |
|-----|------------|-------------------|-----------------------|-----|------------|-------------------|-----------------------|
| 1 | 3X5X8.5 | 80-215 | 9 [0.35] | 41 | 6X8X22 | 150-560 | 18.5 [0.73] |
| 2 | 3X5X8 | 80-205 | 8.5 [0.33] | 42 | 6X8X21 | 150-535 | 17.5 [0.69] |
| 3 | 3X5X11 | 80-285 | 9.5 [0.37] | 43 | 6X10X11 | 150-280 | 16 [0.63] |
| 4 | 3X5X10.5 | 80-270 | 8.75 [0.34] | 44 | 6X10X10.5 | 150-265 | 15.25 [0.6] |
| 5 | 3X5X12.5 | 80-315 | 9.5 [0.37] | 45 | 8X8X8 | 200-200 | 17.25 [0.68] |
| 6 | 3X5X12 | 80-300 | 9 [0.35] | 46 | 8X8X7.5 | 200-190 | 16 [0.63] |
| 7 | 3X5X13.5 | 80-345 | 11.75 [0.46] | 47 | 8X10X10 | 200-250 | 20 [0.79] |
| 8 | 3X5X13 | 80-330 | 11.25 [0.44] | 48 | 8X10X9.5 | 200-240 | 19 [0.75] |
| 9 | 4X5X6.5 | 100-165 | 8.5 [0.33] | 49 | 8X10X13.5 | 200-345 | 21.5 [0.85] |
| 10 | 4X5X6 | 100-155 | 8 [0.31] | 50 | 8X10X13 | 200-330 | 20.5 [0.81] |
| 11 | 4X6X10 | 100-260 | 10.5 [0.41] | 51 | 8X10X17 | 200-425 | 21.5 [0.85] |
| 12 | 4X6X9.5 | 100-250 | 10 [0.39] | 52 | 8X10X16 | 200-405 | 20.5 [0.81] |
| 13 | 4X6X13 | 100-325 | 10.5 [0.41] | 53 | 8X10X21 | 200-530 | 21 [0.83] |
| 14 | 4X6X12 | 100-310 | 10 [0.39] | 54 | 8X10X20 | 200-505 | 20 [0.79] |
| 15 | 4X6X14.5 | 100-365 | 10.5 [0.40] | 55 | 8X10X26 | 200-655 | 21 [0.83] |
| 16 | 4X6X13.5 | 100-350 | 10.5 [0.40] | 56 | 8X10X25 | 200-625 | 20 [0.79] |
| 17 | 4X6X16 | 100-410 | 14 [0.55] | 57 | 10X10X8 | 250-200 | 20 [0.79] |
| 18 | 4X6X15.5 | 100-390 | 13.5 [0.53] | 58 | 10X10X7.5 | 250-190 | 19 [0.75] |
| 19 | 5X6X7.5 | 125-195 | 11.5 [0.45] | 59 | 10X12X15.5 | 250-390 | 24.5 [0.96] |
| 20 | 5X6X7 | 125-185 | 10.5 [0.40] | 60 | 10X12X14.5 | 250-370 | 23.25 [0.92] |
| 21 | 5X6X9 | 125-225 | 13 [0.51] | 61 | 10X12X19 | 250-480 | 24 [0.94] |
| 22 | 5X6X8.5 | 125-215 | 12.25 [0.48] | 62 | 10X12X18 | 250-455 | 23 [0.91] |
| 23 | 5X8X9.5 | 125-245 | 15.75 [0.62] | 63 | 10X12X24 | 250-610 | 24 [0.94] |
| 24 | 5X8X9 | 125-235 | 14.25 [0.56] | 64 | 10X12X23 | 250-580 | 23 [0.91] |
| 25 | 5X8X12 | 125-300 | 16 [0.63] | 65 | 10X12X30 | 250-770 | 34 [1.34] |
| 26 | 5X8X11 | 125-285 | 15 [0.59] | 66 | 10X12X28.5 | 250-730 | 33 [1.30] |
| 27 | 5X8X14 | 125-355 | 18 [0.70] | 67 | 12X12X9 | 300-225 | 32 [1.26] |
| 28 | 5X8X13.5 | 125-335 | 17 [0.67] | 68 | 12X12X8.5 | 300-215 | 30.5 [1.2] |
| 29 | 5X8X15.5 | 125-390 | 15.75 [0.62] | 69 | 12X12X10 | 300-255 | 24.5 [0.96] |
| 30 | 5X8X14.5 | 125-370 | 15 [0.59] | 70 | 12X12X9.5 | 300-245 | 23 [0.91] |
| 31 | 5X8X19 | 125-475 | 16 [0.63] | 71 | 12X14X13 | 300-330 | 27.5 [1.08] |
| 32 | 5X8X18 | 125-450 | 15.5 [0.61] | 72 | 12X14X12.5 | 300-315 | 26.25 [1.03] |
| 33 | 6X8X6.5 | 150-170 | 12 [0.47] | 73 | 12X16X18 | 300-450 | 27.5 [1.08] |
| 34 | 6X8X6 | 150-160 | 11.25 [0.44] | 74 | 12X16X17 | 300-430 | 26 [1.02] |
| 35 | 6X8X12 | 150-300 | 18.75 [0.74] | 75 | 12X16X22 | 300-550 | 28 [1.1] |
| 36 | 6X8X11 | 150-285 | 18 [0.71] | 76 | 12X16X21 | 300-525 | 27 [1.06] |
| 37 | 6X8X14 | 150-355 | 18.5 [0.73] | 77 | 12X16X28 | 300-705 | 26.5 [1.04] |
| 38 | 6X8X13.5 | 150-340 | 17.75 [0.7] | 78 | 12X16X27 | 300-680 | 25 [0.98] |
| 39 | 6X8X18 | 150-455 | 18 [0.71] | 79 | 14X14X12 | 350-300 | 27.5 [1.08] |
| 40 | 6X8X17 | 150-435 | 17 [0.67] | 80 | 14X14X11 | 350-285 | 26.25 [1.03] |

Max Solid Sphere Data

| No. | e-XC Model | Metric Equivalent | Max Dia. mm [inch] | No. | e-XC Model | Metric Equivalent | Max Dia. mm [inch] |
|-----|------------|-------------------|-----------------------|-----|------------|-------------------|-----------------------|
| 81 | 14X16X15 | 350-385 | 31 [1.22] | 113 | 20X24X24.5 | 500-625 | * |
| 82 | 14X16X14.5 | 350-365 | 29.5 [1.16] | 114 | 20X24X23.5 | 500-605 | * |
| 83 | 14X16X27.5 | 350-690 | 29.7 [1.17] | 115 | 20X28X28 | 500-715 | * |
| 84 | 14X16X26 | 350-655 | 28 [1.10] | 116 | 20X28X27 | 500-690 | * |
| 85 | 14X16X30.5 | 350-780 | * | 117 | 20X28X36 | 500-920 | * |
| 86 | 14X16X29 | 350-745 | * | 118 | 20X28X34 | 500-875 | * |
| 87 | 14X18X18 | 350-450 | 36 [1.42] | 119 | 24X28X22.5 | 600-575 | * |
| 88 | 14X18X17 | 350-430 | 34.5 [1.36] | 120 | 24X28X21 | 600-540 | * |
| 89 | 14X18X21 | 350-530 | 32.5 [1.28] | 121 | 24X28X24 | 600-610 | * |
| 90 | 14X18X20 | 350-505 | 31 [1.22] | 122 | 24X28X23 | 600-580 | * |
| 91 | 14X20X26.5 | 350-685 | 28 [1.10] | 123 | 24X32X31.5 | 600-810 | * |
| 92 | 14X20X25.5 | 350-650 | 26.75 [1.05] | 124 | 24X32X30 | 600-770 | * |
| 93 | 14X20X33 | 350-845 | * | 125 | 24X32X39 | 600-1000 | * |
| 94 | 14X20X31.5 | 350-805 | * | 126 | 24X32X37 | 600-950 | * |
| 95 | 16X16X13.5 | 400-340 | 32.5 [1.28] | 127 | 24X32X43.5 | 600-1115 | * |
| 96 | 16X16X13 | 400-325 | 31 [1.22] | 128 | 24X32X41.5 | 600-1060 | * |
| 97 | 16X20X20.5 | 400-525 | 34 [1.34] | 129 | 28X28X21 | 700-535 | * |
| 98 | 16X20X19.5 | 400-500 | 32.5 [1.28] | 130 | 28X28X19.5 | 700-505 | * |
| 99 | 16X20X21 | 400-535 | * | 131 | 28X32X23.5 | 700-615 | * |
| 100 | 16X20X20 | 400-510 | * | 132 | 28X32X23 | 700-585 | * |
| 101 | 16X20X23 | 400-580 | 36 [1.42] | 133 | 28X32X26 | 700-670 | * |
| 102 | 16X20X22 | 400-550 | 34.25 [1.35] | 134 | 28X32X25 | 700-635 | * |
| 103 | 16X24X31.5 | 400-800 | * | 135 | 28X32X30.5 | 700-775 | * |
| 104 | 16X24X29.5 | 400-760 | * | 136 | 28X32X28.5 | 700-735 | * |
| 105 | 16X24X38 | 400-970 | * | 137 | 28X32X34 | 700-870 | * |
| 106 | 16X24X34 | 400-925 | * | 138 | 28X32X32.5 | 700-830 | * |
| 107 | 18X20X15.5 | 450-390 | 36.5 [1.44] | 139 | 28X36X39 | 700-995 | * |
| 108 | 18X20X14.5 | 450-370 | 35 [1.38] | 140 | 28X36X37 | 700-945 | * |
| 109 | 20X24X18 | 500-450 | 43 [1.69] | 141 | 32X32X23 | 800-590 | * |
| 110 | 20X24X17 | 500-430 | 41 [1.61] | 142 | 32X32X22 | 800-560 | * |
| 111 | 20X24X20.5 | 500-525 | * | | | | |
| 112 | 20X24X19.5 | 500-500 | * | | | | |

*Consult factory for information

Impeller Trimming Guidelines

| Imperial Trimming | | 3X5X8.5 | 3X5X8 | 3X5X11 | 3X5X10.5 | 3X5X12.5 | 3X5X12 | 3X5X13.5 | 3X5X13 |
|-------------------|--------------------------|---------|--------|--------|----------|----------|--------|----------|--------|
| | Specific Speed | 90 | 90 | 60 | 60 | 40 | 40 | 40 | 40 |
| | Min. flat cut dia. (in.) | 6.69 | 6.69 | 6.69 | 6.69 | 5.51 | 5.51 | 7.28 | 7.28 |
| Original Impeller | Front shroud dia. (in.) | 8.66 | 8.27 | 11.22 | 10.63 | 12.2 | 11.61 | 13.78 | 13.19 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 8.66 | 8.27 | 11.22 | 10.63 | 12.2 | 11.61 | 13.78 | 13.19 |
| Trim A | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (in.) | 8.27 | 7.87 | 10.63 | 10.04 | 11.61 | 11.02 | 12.99 | 12.4 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 8.27 | 7.87 | 10.63 | 10.04 | 11.61 | 11.02 | 12.99 | 12.4 |
| Trim B | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (in.) | 7.68 | 7.28 | 9.84 | 9.25 | 10.63 | 10.24 | 12.01 | 11.61 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 7.68 | 7.28 | 9.84 | 9.25 | 10.63 | 10.24 | 12.01 | 11.61 |
| Trim C | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (in.) | 7.28 | 6.89 | 9.06 | 8.66 | 9.84 | 9.45 | 11.02 | 10.63 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 7.28 | 6.89 | 9.06 | 8.66 | 9.84 | 9.45 | 11.02 | 10.63 |
| Minimum Trim | Cutting code | V | V | V | V | V | V | V | V |
| | Front shroud dia. (in.) | 6.69 | 6.69 | 6.69 | 6.69 | 5.51 | 5.51 | 7.28 | 7.28 |
| | Back shroud dia. (in.) | 5.71 | 5.51 | 5.71 | 5.71 | 4.72 | 4.33 | 5.31 | 5.12 |
| | Equivalent dia. (in.) | 6.22 | 6.14 | 6.22 | 6.22 | 5.12 | 4.96 | 6.38 | 6.3 |
| Metric Trimming | | 80-215 | 80-205 | 80-285 | 80-270 | 80-315 | 80-300 | 80-345 | 80-330 |
| | Specific Speed | 90 | 90 | 60 | 60 | 40 | 40 | 40 | 40 |
| | Min. flat cut dia. (mm) | 170 | 170 | 170 | 170 | 140 | 140 | 185 | 185 |
| Original Impeller | Front shroud dia. (mm) | 220 | 210 | 285 | 270 | 310 | 295 | 350 | 335 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 220 | 210 | 285 | 270 | 310 | 295 | 350 | 335 |
| Trim A | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (mm) | 210 | 200 | 270 | 255 | 295 | 280 | 330 | 315 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 210 | 200 | 270 | 255 | 295 | 280 | 330 | 315 |
| Trim B | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (mm) | 195 | 185 | 250 | 235 | 270 | 260 | 305 | 295 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 195 | 185 | 250 | 235 | 270 | 260 | 305 | 295 |
| Trim C | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (mm) | 185 | 175 | 230 | 220 | 250 | 240 | 280 | 270 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 185 | 175 | 230 | 220 | 250 | 240 | 280 | 270 |
| Minimum Trim | Cutting code | V | V | V | V | V | V | V | V |
| | Front shroud dia. (mm) | 170 | 170 | 170 | 170 | 140 | 140 | 185 | 185 |
| | Back shroud dia. (mm) | 145 | 140 | 145 | 145 | 120 | 110 | 135 | 130 |
| | Equivalent dia. (mm) | 158 | 156 | 158 | 158 | 130 | 126 | 162 | 160 |

| Imperial Trimming | | 4X5X6.5 | 4X5X6 | 4X6X10 | 4X6X9.5 | 4X6X13 | 4X6X12 | 4X6X14.5 | 4X6X13.5 |
|-------------------|--------------------------|---------|---------|---------|---------|---------|---------|----------|----------|
| | Specific Speed | 130 | 130 | 90 | 90 | 60 | 60 | 40 | 40 |
| | Min. flat cut dia. (in.) | 5.31 | 5.31 | 7.28 | 7.28 | 7.28 | 7.28 | 6.5 | 6.5 |
| Original Impeller | Front shroud dia. (in.) | 6.5 | 6.1 | 10.43 | 10.04 | 12.99 | 12.4 | 14.76 | 13.98 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 6.5 | 6.1 | 10.43 | 10.04 | 12.99 | 12.4 | 14.76 | 13.98 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Trim A | Front shroud dia. (in.) | 6.3 | 5.91 | 9.84 | 9.45 | 12.4 | 11.81 | 13.98 | 13.19 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 6.3 | 5.91 | 9.84 | 9.45 | 12.4 | 11.81 | 13.98 | 13.19 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Trim B | Front shroud dia. (in.) | 5.91 | 5.51 | 9.25 | 8.86 | 11.42 | 10.83 | 12.99 | 12.2 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 5.91 | 5.51 | 9.25 | 8.86 | 11.42 | 10.83 | 12.99 | 12.2 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Trim C | Front shroud dia. (in.) | 5.71 | 5.31 | 8.66 | 8.27 | 10.43 | 10.04 | 11.81 | 11.22 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 5.71 | 5.31 | 8.66 | 8.27 | 10.43 | 10.04 | 11.81 | 11.22 |
| | Cutting code | V | V | V | V | V | V | V | V |
| Minimum Trim | Front shroud dia. (in.) | 5.31 | 5.31 | 7.28 | 7.28 | 7.28 | 7.28 | 6.5 | 6.5 |
| | Back shroud dia. (in.) | 4.72 | 4.53 | 6.89 | 6.5 | 6.69 | 6.5 | 5.71 | 5.31 |
| | Equivalent dia. (in.) | 5.04 | 4.92 | 7.09 | 6.89 | 7.01 | 6.89 | 6.1 | 5.94 |
| | Cutting code | V | V | V | V | V | V | V | V |
| Metric Trimming | | 100-165 | 100-155 | 100-260 | 100-250 | 100-325 | 100-310 | 100-365 | 100-350 |
| | Specific Speed | 130 | 130 | 90 | 90 | 60 | 60 | 40 | 40 |
| | Min. flat cut dia. (mm) | 135 | 135 | 185 | 185 | 185 | 185 | 165 | 165 |
| Original Impeller | Front shroud dia. (mm) | 165 | 155 | 265 | 255 | 330 | 315 | 375 | 355 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 165 | 155 | 265 | 255 | 330 | 315 | 375 | 355 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Trim A | Front shroud dia. (mm) | 160 | 150 | 250 | 240 | 315 | 300 | 355 | 335 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 160 | 150 | 250 | 240 | 315 | 300 | 355 | 335 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Trim B | Front shroud dia. (mm) | 150 | 140 | 235 | 225 | 290 | 275 | 330 | 310 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 150 | 140 | 235 | 225 | 290 | 275 | 330 | 310 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Trim C | Front shroud dia. (mm) | 145 | 135 | 220 | 210 | 265 | 255 | 300 | 285 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 145 | 135 | 220 | 210 | 265 | 255 | 300 | 285 |
| | Cutting code | V | V | V | V | V | V | V | V |
| Minimum Trim | Front shroud dia. (mm) | 135 | 135 | 185 | 185 | 185 | 185 | 165 | 165 |
| | Back shroud dia. (mm) | 120 | 115 | 175 | 165 | 170 | 165 | 145 | 135 |
| | Equivalent dia. (mm) | 128 | 125 | 180 | 175 | 178 | 175 | 155 | 151 |
| | Cutting code | V | V | V | V | V | V | V | V |

| Imperial Trimming | | 4X6X16 | 4X6X15.5 | 5X6X7.5 | 5X6X7 | 5X6X9 | 5X6X8.5 | 5X8X9.5 | 5X8X9 |
|-------------------|--------------------------|---------|----------|---------|---------|---------|---------|---------|---------|
| | Specific Speed | 40 | 40 | 130 | 130 | 130 | 130 | 130 | 130 |
| | Min. flat cut dia. (in.) | 7.68 | 7.68 | 6.1 | 6.1 | 7.48 | 7.48 | 8.27 | 8.27 |
| Original Impeller | Front shroud dia. (in.) | 16.14 | 15.35 | 7.68 | 7.28 | 8.66 | 8.27 | 9.84 | 9.45 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 16.14 | 15.35 | 7.68 | 7.28 | 8.66 | 8.27 | 9.84 | 9.45 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Trim A | Front shroud dia. (in.) | 15.35 | 14.57 | 7.48 | 7.09 | 8.27 | 7.87 | 9.45 | 9.06 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 15.35 | 14.57 | 7.48 | 7.09 | 8.27 | 7.87 | 9.45 | 9.06 |
| | Cutting code | F | F | F | F | F | V | F | F |
| Trim B | Front shroud dia. (in.) | 14.17 | 13.39 | 7.09 | 6.69 | 7.87 | 7.87 | 8.86 | 8.66 |
| | Back shroud dia. (in.) | | | | | | 7.05 | | |
| | Equivalent dia. (in.) | 14.17 | 13.39 | 7.09 | 6.69 | 7.87 | 7.48 | 8.86 | 8.66 |
| | Cutting code | F | F | F | F | V | V | F | V |
| Trim C | Front shroud dia. (in.) | 12.99 | 12.4 | 6.69 | 6.3 | 7.87 | 7.68 | 8.46 | 8.27 |
| | Back shroud dia. (in.) | | | | | 7.05 | 6.46 | | 7.87 |
| | Equivalent dia. (in.) | 12.99 | 12.4 | 6.69 | 6.3 | 7.48 | 7.09 | 8.46 | 8.07 |
| | Cutting code | V | V | F | V | V | V | V | V |
| Minimum Trim | Front shroud dia. (in.) | 7.68 | 7.68 | 6.1 | 6.1 | 7.48 | 7.48 | 8.27 | 8.27 |
| | Back shroud dia. (in.) | 6.1 | 5.71 | 6.1 | 5.71 | 6.5 | 6.3 | 6.89 | 6.89 |
| | Equivalent dia. (in.) | 6.93 | 6.77 | 6.1 | 5.91 | 7.01 | 6.93 | 7.6 | 7.6 |
| | Cutting code | V | V | F | V | V | V | V | V |
| Metric Trimming | | 100-410 | 100-390 | 125-195 | 125-185 | 125-225 | 125-215 | 125-245 | 125-235 |
| | Specific Speed | 40 | 40 | 130 | 130 | 130 | 130 | 130 | 130 |
| | Min. flat cut dia. (mm) | 195 | 195 | 155 | 155 | 190 | 190 | 210 | 210 |
| Original Impeller | Front shroud dia. (mm) | 410 | 390 | 195 | 185 | 220 | 210 | 250 | 240 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 410 | 390 | 195 | 185 | 220 | 210 | 250 | 240 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Trim A | Front shroud dia. (mm) | 390 | 370 | 190 | 180 | 210 | 200 | 240 | 230 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 390 | 370 | 190 | 180 | 210 | 200 | 240 | 230 |
| | Cutting code | F | F | F | F | F | V | F | F |
| Trim B | Front shroud dia. (mm) | 360 | 340 | 180 | 170 | 200 | 200 | 225 | 220 |
| | Back shroud dia. (mm) | | | | | | 179 | | |
| | Equivalent dia. (mm) | 360 | 340 | 180 | 170 | 200 | 190 | 225 | 220 |
| | Cutting code | F | F | F | F | V | V | F | V |
| Trim C | Front shroud dia. (mm) | 330 | 315 | 170 | 160 | 200 | 195 | 215 | 210 |
| | Back shroud dia. (mm) | | | | | 179 | 164 | | 200 |
| | Equivalent dia. (mm) | 330 | 315 | 170 | 160 | 190 | 180 | 215 | 205 |
| | Cutting code | V | V | F | V | V | V | V | V |
| Minimum Trim | Front shroud dia. (mm) | 195 | 195 | 155 | 155 | 190 | 190 | 210 | 210 |
| | Back shroud dia. (mm) | 155 | 145 | 155 | 145 | 165 | 160 | 175 | 175 |
| | Equivalent dia. (mm) | 176 | 172 | 155 | 150 | 178 | 176 | 193 | 193 |
| | Cutting code | V | V | F | V | V | V | V | V |

| Imperial Trimming | | 5X8X12 | 5X8X11 | 5X8X14 | 5X8X13.5 | 5X8X15.5 | 5X8X14.5 | 5X8X19 | 5X8X18 |
|-------------------|--------------------------|---------|---------|---------|----------|----------|----------|---------|---------|
| | Specific Speed | 90 | 90 | 60 | 60 | 60 | 60 | 40 | 40 |
| | Min. flat cut dia. (in.) | 8.27 | 8.27 | 8.07 | 8.07 | 8.46 | 8.46 | 8.46 | 8.46 |
| Original Impeller | Front shroud dia. (in.) | 12.2 | 11.61 | 13.98 | 13.39 | 15.55 | 14.76 | 18.9 | 17.91 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 12.2 | 11.61 | 13.98 | 13.39 | 15.55 | 14.76 | 18.9 | 17.91 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Trim A | Front shroud dia. (in.) | 11.61 | 11.02 | 13.19 | 12.6 | 14.76 | 13.98 | 17.91 | 16.93 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 11.61 | 11.02 | 13.19 | 12.6 | 14.76 | 13.98 | 17.91 | 16.93 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Trim B | Front shroud dia. (in.) | 10.83 | 10.24 | 12.2 | 11.81 | 13.58 | 12.99 | 16.54 | 15.75 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 10.83 | 10.24 | 12.2 | 11.81 | 13.58 | 12.99 | 16.54 | 15.75 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Trim C | Front shroud dia. (in.) | 10.04 | 9.65 | 11.22 | 10.83 | 12.6 | 11.81 | 15.16 | 14.37 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 10.04 | 9.65 | 11.22 | 10.83 | 12.6 | 11.81 | 15.16 | 14.37 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Minimum Trim | Front shroud dia. (in.) | 8.27 | 8.27 | 8.07 | 8.07 | 8.46 | 8.46 | 8.46 | 8.46 |
| | Back shroud dia. (in.) | 6.89 | 6.5 | 6.3 | 6.3 | 7.28 | 6.89 | 6.89 | 6.5 |
| | Equivalent dia. (in.) | 7.6 | 7.44 | 7.24 | 7.24 | 7.91 | 7.72 | 7.72 | 7.56 |
| | Cutting code | V | V | V | V | V | V | V | V |
| Metric Trimming | | 125-300 | 125-285 | 125-355 | 125-335 | 125-390 | 125-370 | 125-475 | 125-450 |
| | Specific Speed | 90 | 90 | 60 | 60 | 60 | 60 | 40 | 40 |
| | Min. flat cut dia. (mm) | 210 | 210 | 205 | 205 | 215 | 215 | 215 | 215 |
| Original Impeller | Front shroud dia. (mm) | 310 | 295 | 355 | 340 | 395 | 375 | 480 | 455 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 310 | 295 | 355 | 340 | 395 | 375 | 480 | 455 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Trim A | Front shroud dia. (mm) | 295 | 280 | 335 | 320 | 375 | 355 | 455 | 430 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 295 | 280 | 335 | 320 | 375 | 355 | 455 | 430 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Trim B | Front shroud dia. (mm) | 275 | 260 | 310 | 300 | 345 | 330 | 420 | 400 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 275 | 260 | 310 | 300 | 345 | 330 | 420 | 400 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Trim C | Front shroud dia. (mm) | 255 | 245 | 285 | 275 | 320 | 300 | 385 | 365 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 255 | 245 | 285 | 275 | 320 | 300 | 385 | 365 |
| | Cutting code | F | F | F | F | F | F | F | F |
| Minimum Trim | Front shroud dia. (mm) | 210 | 210 | 205 | 205 | 215 | 215 | 215 | 215 |
| | Back shroud dia. (mm) | 175 | 165 | 160 | 160 | 185 | 175 | 175 | 165 |
| | Equivalent dia. (mm) | 193 | 189 | 184 | 184 | 201 | 196 | 196 | 192 |
| | Cutting code | V | V | V | V | V | V | V | V |

| Imperial Trimming | | 6X8X6.5 | 6X8X6 | 6X8X12 | 6X8X11 | 6X8X14 | 6X8X13.5 | 6X8X18 | 6X8X17 |
|-------------------|--------------------------|---------|---------|---------|---------|---------|----------|---------|---------|
| | Specific Speed | 130 | 130 | 130 | 130 | 90 | 90 | 60 | 60 |
| | Min. flat cut dia. (in.) | 7.17 | 6.81 | 9.45 | 9.45 | 9.65 | 9.65 | 10.04 | 10.04 |
| Original Impeller | Front shroud dia. (in.) | 7.17 | 6.81 | 12.01 | 11.42 | 14.57 | 13.78 | 17.91 | 17.13 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 7.17 | 6.81 | 12.01 | 11.42 | 14.57 | 13.78 | 17.91 | 17.13 |
| | Cutting code | V | V | F | F | F | F | F | F |
| Trim A | Front shroud dia. (in.) | 7.17 | 6.81 | 11.42 | 11.02 | 13.78 | 12.99 | 16.93 | 16.14 |
| | Back shroud dia. (in.) | 6.61 | 6.18 | | | | | | |
| | Equivalent dia. (in.) | 6.89 | 6.5 | 11.42 | 11.02 | 13.78 | 12.99 | 16.93 | 16.14 |
| | Cutting code | V | V | F | F | F | F | F | F |
| Trim B | Front shroud dia. (in.) | 7.17 | 6.81 | 10.83 | 10.43 | 12.99 | 12.2 | 15.75 | 14.96 |
| | Back shroud dia. (in.) | 5.75 | 5.75 | | | | | | |
| | Equivalent dia. (in.) | 6.5 | 6.3 | 10.83 | 10.43 | 12.99 | 12.2 | 15.75 | 14.96 |
| | Cutting code | V | V | F | F | F | F | F | F |
| Trim C | Front shroud dia. (in.) | | | 10.24 | 9.84 | 12.01 | 11.42 | 14.37 | 13.78 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | 10.24 | 9.84 | 12.01 | 11.42 | 14.37 | 13.78 |
| | Cutting code | V | V | V | V | V | V | V | V |
| Minimum Trim | Front shroud dia. (in.) | 7.17 | 6.81 | 9.45 | 9.45 | 9.65 | 9.65 | 10.04 | 10.04 |
| | Back shroud dia. (in.) | 5.75 | 5.51 | 8.46 | 8.07 | 8.27 | 7.87 | 8.66 | 8.27 |
| | Equivalent dia. (in.) | 6.5 | 6.18 | 8.98 | 8.78 | 8.98 | 8.82 | 9.37 | 9.21 |
| | Cutting code | V | V | V | V | V | V | V | V |
| Metric Trimming | | 150-170 | 150-160 | 150-300 | 150-285 | 150-355 | 150-340 | 150-455 | 150-435 |
| | Specific Speed | 130 | 130 | 130 | 130 | 90 | 90 | 60 | 60 |
| | Min. flat cut dia. (mm) | 182 | 173 | 240 | 240 | 245 | 245 | 255 | 255 |
| Original Impeller | Front shroud dia. (mm) | 182 | 173 | 305 | 290 | 370 | 350 | 455 | 435 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 182 | 173 | 305 | 290 | 370 | 350 | 455 | 435 |
| | Cutting code | V | V | F | F | F | F | F | F |
| Trim A | Front shroud dia. (mm) | 182 | 173 | 290 | 280 | 350 | 330 | 430 | 410 |
| | Back shroud dia. (mm) | 168 | 157 | | | | | | |
| | Equivalent dia. (mm) | 175 | 165 | 290 | 280 | 350 | 330 | 430 | 410 |
| | Cutting code | V | V | F | F | F | F | F | F |
| Trim B | Front shroud dia. (mm) | 182 | 173 | 275 | 265 | 330 | 310 | 400 | 380 |
| | Back shroud dia. (mm) | 146 | 146 | | | | | | |
| | Equivalent dia. (mm) | 165 | 160 | 275 | 265 | 330 | 310 | 400 | 380 |
| | Cutting code | V | V | F | F | F | F | F | F |
| Trim C | Front shroud dia. (mm) | | | 260 | 250 | 305 | 290 | 365 | 350 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | 260 | 250 | 305 | 290 | 365 | 350 |
| | Cutting code | V | V | V | V | V | V | V | V |
| Minimum Trim | Front shroud dia. (mm) | 182 | 173 | 240 | 240 | 245 | 245 | 255 | 255 |
| | Back shroud dia. (mm) | 146 | 140 | 215 | 205 | 210 | 200 | 220 | 210 |
| | Equivalent dia. (mm) | 165 | 157 | 228 | 223 | 228 | 224 | 238 | 234 |
| | Cutting code | V | V | V | V | V | V | V | V |

| Imperial Trimming | | 6X8X22 | 6X8X21 | 6X10X11 | 6X10X10.5 | 8X8X8 | 8X8X7.5 | 8X10X10 | 8X10X9.5 |
|-------------------|--------------------------|---------|---------|---------|-----------|---------|---------|---------|----------|
| | Specific Speed | 40 | 40 | 130 | 130 | 190 | 190 | 190 | 190 |
| | Min. flat cut dia. (in.) | 10.43 | 10.43 | 9.45 | 9.45 | 7.09 | 6.69 | 8.66 | 8.27 |
| Original Impeller | Front shroud dia. (in.) | 22.24 | 21.26 | 11.22 | 10.63 | 8.07 | 7.68 | 10.04 | 9.45 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 22.24 | 21.26 | 11.22 | 10.63 | 8.07 | 7.68 | 10.04 | 9.45 |
| Trim A | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (in.) | 21.06 | 20.08 | 10.83 | 10.24 | 7.68 | 7.48 | 9.65 | 9.06 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 21.06 | 20.08 | 10.83 | 10.24 | 7.68 | 7.48 | 9.65 | 9.06 |
| Trim B | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (in.) | 19.49 | 18.5 | 10.24 | 9.65 | 7.48 | 7.09 | 9.25 | 8.66 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 19.49 | 18.5 | 10.24 | 9.65 | 7.48 | 7.09 | 9.25 | 8.66 |
| Trim C | Cutting code | F | F | F | V | F | F | F | F |
| | Front shroud dia. (in.) | 17.91 | 17.13 | 9.65 | 9.45 | 7.09 | 6.69 | 8.86 | 8.27 |
| | Back shroud dia. (in.) | | | | 8.66 | | | | |
| | Equivalent dia. (in.) | 17.91 | 17.13 | 9.65 | 9.06 | 7.09 | 6.69 | 8.86 | 8.27 |
| Minimum Trim | Cutting code | V | V | V | V | V | V | V | V |
| | Front shroud dia. (in.) | 10.43 | 10.43 | 9.45 | 9.45 | 7.09 | 6.69 | 8.66 | 8.27 |
| | Back shroud dia. (in.) | 8.46 | 8.07 | 8.86 | 8.46 | 5.91 | 5.91 | 7.68 | 7.28 |
| | Equivalent dia. (in.) | 9.49 | 9.33 | 9.17 | 8.98 | 6.54 | 6.3 | 8.19 | 7.8 |
| Metric Trimming | | 150-560 | 150-535 | 150-280 | 150-265 | 200-200 | 200-190 | 200-250 | 200-240 |
| | Specific Speed | 40 | 40 | 130 | 130 | 190 | 190 | 190 | 190 |
| | Min. flat cut dia. (mm) | 265 | 265 | 240 | 240 | 180 | 170 | 220 | 210 |
| Original Impeller | Front shroud dia. (mm) | 565 | 540 | 285 | 270 | 205 | 195 | 255 | 240 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 565 | 540 | 285 | 270 | 205 | 195 | 255 | 240 |
| Trim A | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (mm) | 535 | 510 | 275 | 260 | 195 | 190 | 245 | 230 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 535 | 510 | 275 | 260 | 195 | 190 | 245 | 230 |
| Trim B | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (mm) | 495 | 470 | 260 | 245 | 190 | 180 | 235 | 220 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 495 | 470 | 260 | 245 | 190 | 180 | 235 | 220 |
| Trim C | Cutting code | F | F | F | V | F | F | F | F |
| | Front shroud dia. (mm) | 455 | 435 | 245 | 240 | 180 | 170 | 225 | 210 |
| | Back shroud dia. (mm) | | | | 220 | | | | |
| | Equivalent dia. (mm) | 455 | 435 | 245 | 230 | 180 | 170 | 225 | 210 |
| Minimum Trim | Cutting code | V | V | V | V | V | V | V | V |
| | Front shroud dia. (mm) | 265 | 265 | 240 | 240 | 180 | 170 | 220 | 210 |
| | Back shroud dia. (mm) | 215 | 205 | 225 | 215 | 150 | 150 | 195 | 185 |
| | Equivalent dia. (mm) | 241 | 237 | 233 | 228 | 166 | 160 | 208 | 198 |

| Imperial Trimming | | 8X10X13.5 | 8X10X13 | 8X10X17 | 8X10X16 | 8X10X21 | 8X10X20 | 8X10X26 | 8X10X25 |
|-------------------|--------------------------|-----------|---------|---------|---------|---------|---------|---------|---------|
| | Specific Speed | 130 | 130 | 90 | 90 | 60 | 60 | 40 | 40 |
| | Min. flat cut dia. (in.) | 10.83 | 10.83 | 11.42 | 11.42 | 11.22 | 11.22 | 12.01 | 12.01 |
| Original Impeller | Front shroud dia. (in.) | 13.78 | 13.19 | 16.93 | 16.14 | 21.06 | 20.08 | 25.79 | 24.61 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 13.78 | 13.19 | 16.93 | 16.14 | 21.06 | 20.08 | 25.79 | 24.61 |
| Trim A | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (in.) | 13.19 | 12.6 | 15.94 | 15.35 | 19.88 | 18.9 | 24.41 | 23.23 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 13.19 | 12.6 | 15.94 | 15.35 | 19.88 | 18.9 | 24.41 | 23.23 |
| Trim B | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (in.) | 12.4 | 12.01 | 14.96 | 14.37 | 18.5 | 17.52 | 22.44 | 21.46 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 12.4 | 12.01 | 14.96 | 14.37 | 18.5 | 17.52 | 22.44 | 21.46 |
| Trim C | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (in.) | 11.81 | 11.22 | 13.98 | 13.39 | 16.93 | 16.14 | 20.67 | 19.69 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 11.81 | 11.22 | 13.98 | 13.39 | 16.93 | 16.14 | 20.67 | 19.69 |
| Minimum Trim | Cutting code | V | V | V | V | V | V | V | V |
| | Front shroud dia. (in.) | 10.83 | 10.83 | 11.42 | 11.42 | 11.22 | 11.22 | 12.01 | 12.01 |
| | Back shroud dia. (in.) | 9.84 | 9.25 | 10.04 | 9.45 | 10.24 | 9.65 | 10.24 | 9.65 |
| | Equivalent dia. (in.) | 10.35 | 10.08 | 10.75 | 10.47 | 10.75 | 10.47 | 11.14 | 10.91 |
| Metric Trimming | | 200-345 | 200-330 | 200-425 | 200-405 | 200-530 | 200-505 | 200-655 | 200-625 |
| | Specific Speed | 130 | 130 | 90 | 90 | 60 | 60 | 40 | 40 |
| | Min. flat cut dia. (mm) | 275 | 275 | 290 | 290 | 285 | 285 | 305 | 305 |
| Original Impeller | Front shroud dia. (mm) | 350 | 335 | 430 | 410 | 535 | 510 | 655 | 625 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 350 | 335 | 430 | 410 | 535 | 510 | 655 | 625 |
| Trim A | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (mm) | 335 | 320 | 405 | 390 | 505 | 480 | 620 | 590 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 335 | 320 | 405 | 390 | 505 | 480 | 620 | 590 |
| Trim B | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (mm) | 315 | 305 | 380 | 365 | 470 | 445 | 570 | 545 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 315 | 305 | 380 | 365 | 470 | 445 | 570 | 545 |
| Trim C | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (mm) | 300 | 285 | 355 | 340 | 430 | 410 | 525 | 500 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 300 | 285 | 355 | 340 | 430 | 410 | 525 | 500 |
| Minimum Trim | Cutting code | V | V | V | V | V | V | V | V |
| | Front shroud dia. (mm) | 275 | 275 | 290 | 290 | 285 | 285 | 305 | 305 |
| | Back shroud dia. (mm) | 250 | 235 | 255 | 240 | 260 | 245 | 260 | 245 |
| | Equivalent dia. (mm) | 263 | 256 | 273 | 266 | 273 | 266 | 283 | 277 |

| Imperial Trimming | | 10X10X8 | 10X10X7.5 | 10X12X15.5 | 10X12X14.5 | 10X12X19 | 10X12X18 | 10X12X24 | 10X12X23 |
|-------------------|--------------------------|---------|-----------|------------|------------|----------|----------|----------|----------|
| | Specific Speed | 270 | 270 | 130 | 130 | 90 | 90 | 60 | 60 |
| | Min. flat cut dia. (in.) | 7.87 | 7.48 | 12.8 | 12.8 | 12.8 | 12.8 | 13.19 | 13.19 |
| Original Impeller | Front shroud dia. (in.) | 8.07 | 7.68 | 15.35 | 14.57 | 19.29 | 18.31 | 24.02 | 22.83 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 8.07 | 7.68 | 15.35 | 14.57 | 19.29 | 18.31 | 24.02 | 22.83 |
| Trim A | Cutting code | V | F | F | F | F | F | F | F |
| | Front shroud dia. (in.) | 7.87 | 7.48 | 14.76 | 13.98 | 18.31 | 17.32 | 22.64 | 21.65 |
| | Back shroud dia. (in.) | 7.48 | | | | | | | |
| | Equivalent dia. (in.) | 7.68 | 7.48 | 14.76 | 13.98 | 18.31 | 17.32 | 22.64 | 21.65 |
| Trim B | Cutting code | V | V | F | F | F | F | F | F |
| | Front shroud dia. (in.) | | | 13.98 | 13.19 | 17.13 | 16.14 | 21.06 | 19.88 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | 13.98 | 13.19 | 17.13 | 16.14 | 21.06 | 19.88 |
| Trim C | Cutting code | V | V | F | V | F | F | F | F |
| | Front shroud dia. (in.) | | | 13.19 | 12.8 | 15.94 | 15.16 | 19.29 | 18.31 |
| | Back shroud dia. (in.) | | | | 12.01 | | | | |
| | Equivalent dia. (in.) | | | 13.19 | 12.4 | 15.94 | 15.16 | 19.29 | 18.31 |
| Minimum Trim | Cutting code | V | V | V | V | V | V | V | V |
| | Front shroud dia. (in.) | 7.87 | 7.48 | 12.8 | 12.8 | 12.8 | 12.8 | 13.19 | 13.19 |
| | Back shroud dia. (in.) | 7.48 | 7.09 | 11.02 | 10.43 | 11.22 | 10.63 | 11.81 | 11.22 |
| | Equivalent dia. (in.) | 7.68 | 7.28 | 11.93 | 11.69 | 12.05 | 11.77 | 12.52 | 12.24 |
| Metric Trimming | | 250-200 | 250-190 | 250-390 | 250-370 | 250-480 | 250-455 | 250-610 | 250-580 |
| | Specific Speed | 270 | 270 | 130 | 130 | 90 | 90 | 60 | 60 |
| | Min. flat cut dia. (mm) | 200 | 190 | 325 | 325 | 325 | 325 | 335 | 335 |
| Original Impeller | Front shroud dia. (mm) | 205 | 195 | 390 | 370 | 490 | 465 | 610 | 580 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 205 | 195 | 390 | 370 | 490 | 465 | 610 | 580 |
| Trim A | Cutting code | V | F | F | F | F | F | F | F |
| | Front shroud dia. (mm) | 200 | 190 | 375 | 355 | 465 | 440 | 575 | 550 |
| | Back shroud dia. (mm) | 190 | | | | | | | |
| | Equivalent dia. (mm) | 195 | 190 | 375 | 355 | 465 | 440 | 575 | 550 |
| Trim B | Cutting code | V | V | F | F | F | F | F | F |
| | Front shroud dia. (mm) | | | 355 | 335 | 435 | 410 | 535 | 505 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | 355 | 335 | 435 | 410 | 535 | 505 |
| Trim C | Cutting code | V | V | F | V | F | F | F | F |
| | Front shroud dia. (mm) | | | 335 | 325 | 405 | 385 | 490 | 465 |
| | Back shroud dia. (mm) | | | | 305 | | | | |
| | Equivalent dia. (mm) | | | 335 | 315 | 405 | 385 | 490 | 465 |
| Minimum Trim | Cutting code | V | V | V | V | V | V | V | V |
| | Front shroud dia. (mm) | 200 | 190 | 325 | 325 | 325 | 325 | 335 | 335 |
| | Back shroud dia. (mm) | 190 | 180 | 280 | 265 | 285 | 270 | 300 | 285 |
| | Equivalent dia. (mm) | 195 | 185 | 303 | 297 | 306 | 299 | 318 | 311 |

| Imperial Trimming | | 10X12X30 | 10X12X28.5 | 12X12X9 | 12X12X8.5 | 12X12X10 | 12X12X9.5 | 12X14X13 | 12X14X12.5 |
|-----------------------|--------------------------|----------|------------|---------|-----------|----------|-----------|----------|------------|
| | Specific Speed | 40 | 40 | 270 | 270 | 270 | 270 | 190 | 190 |
| | Min. flat cut dia. (in.) | 12.2 | 12.2 | | | 9.84 | 9.45 | 11.81 | 11.81 |
| Original Impeller | Front shroud dia. (in.) | 30.31 | 28.74 | 10.79 | 10.24 | 9.84 | 9.45 | 13.19 | 12.6 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 30.31 | 28.74 | 9.25 | 8.82 | 9.84 | 9.45 | 13.19 | 12.6 |
| Trim A | Cutting code | F | F | V | V | V | V | F | F |
| | Front shroud dia. (in.) | 28.54 | 27.17 | 10.24 | 9.84 | 9.84 | 9.45 | 12.6 | 12.01 |
| | Back shroud dia. (in.) | | | 7.2 | 6.81 | 9.06 | 8.66 | | |
| Trim B | Equivalent dia. (in.) | 28.54 | 27.17 | 8.86 | 8.46 | 9.45 | 9.06 | 12.6 | 12.01 |
| | Cutting code | F | F | V | V | V | V | F | V |
| | Front shroud dia. (in.) | 26.38 | 25.2 | 9.84 | 9.45 | | | 12.01 | 11.81 |
| Trim C | Back shroud dia. (in.) | | | 6.81 | 6.38 | | | | 11.42 |
| | Equivalent dia. (in.) | 26.38 | 25.2 | 8.46 | 8.07 | | | 12.01 | 11.61 |
| | Cutting code | F | F | V | V | V | V | V | V |
| Minimum Trim | Front shroud dia. (in.) | 24.41 | 23.03 | | | | | 11.81 | 11.81 |
| | Back shroud dia. (in.) | | | | | | | 11.42 | 10.2 |
| | Equivalent dia. (in.) | 24.41 | 23.03 | | | | | 11.61 | 11.02 |
| Metric Trimming | Cutting code | V | V | V | V | V | V | V | V |
| | Front shroud dia. (in.) | 12.2 | 12.2 | 9.84 | 9.45 | 9.84 | 9.45 | 11.81 | 11.81 |
| | Back shroud dia. (in.) | 11.42 | 10.83 | 6.81 | 6.38 | 8.86 | 8.46 | 10.04 | 9.65 |
| Equivalent dia. (in.) | 11.81 | 11.54 | 8.46 | 8.07 | 9.37 | 8.98 | 10.94 | 10.79 | |
| Metric Trimming | | 250-770 | 250-730 | 300-225 | 300-215 | 300-255 | 300-245 | 300-330 | 300-315 |
| | Specific Speed | 40 | 40 | 270 | 270 | 270 | 270 | 190 | 190 |
| | Min. flat cut dia. (mm) | 310 | 310 | | | 250 | 240 | 300 | 300 |
| Original Impeller | Front shroud dia. (mm) | 770 | 730 | 274 | 260 | 250 | 240 | 335 | 320 |
| | Back shroud dia. (mm) | | | 188 | 180 | | | | |
| | Equivalent dia. (mm) | 770 | 730 | 235 | 224 | 250 | 240 | 335 | 320 |
| Trim A | Cutting code | F | F | V | V | V | V | F | F |
| | Front shroud dia. (mm) | 725 | 690 | 260 | 250 | 250 | 240 | 320 | 305 |
| | Back shroud dia. (mm) | | | 183 | 173 | 230 | 220 | | |
| Trim B | Equivalent dia. (mm) | 725 | 690 | 225 | 215 | 240 | 230 | 320 | 305 |
| | Cutting code | F | F | V | V | V | V | F | V |
| | Front shroud dia. (mm) | 670 | 640 | 250 | 240 | | | 305 | 300 |
| Trim C | Back shroud dia. (mm) | | | 173 | 162 | | | | 290 |
| | Equivalent dia. (mm) | 670 | 640 | 215 | 205 | | | 305 | 295 |
| | Cutting code | F | F | V | V | V | V | V | V |
| Minimum Trim | Front shroud dia. (mm) | 620 | 585 | | | | | 300 | 300 |
| | Back shroud dia. (mm) | | | | | | | 290 | 259 |
| | Equivalent dia. (mm) | 620 | 585 | | | | | 295 | 280 |
| Minimum Trim | Cutting code | V | V | V | V | V | V | V | V |
| | Front shroud dia. (mm) | 310 | 310 | 250.04 | 240 | 250 | 240 | 300 | 300 |
| | Back shroud dia. (mm) | 290 | 275 | 173 | 162 | 225 | 215 | 255 | 245 |
| Equivalent dia. (mm) | 300 | 293 | 215 | 205 | 238 | 228 | 278 | 274 | |

| Imperial Trimming | | 12X16X18 | 12X16X17 | 12X16X22 | 12X16X21 | 12X16X28 | 12X16X27 | 14X14X12 | 14X14X11 |
|-------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Specific Speed | 130 | 130 | 90 | 90 | 60 | 60 | 270 | 270 |
| | Min. flat cut dia. (in.) | 13.78 | 13.78 | 14.17 | 14.17 | 14.96 | 14.96 | 10.63 | 10.04 |
| Original Impeller | Front shroud dia. (in.) | 17.91 | 16.93 | 22.24 | 21.26 | 28.35 | 26.97 | 11.42 | 10.83 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 17.91 | 16.93 | 22.24 | 21.26 | 28.35 | 26.97 | 11.42 | 10.83 |
| Trim A | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (in.) | 17.13 | 16.14 | 21.06 | 20.08 | 26.77 | 25.39 | 11.02 | 10.43 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 17.13 | 16.14 | 21.06 | 20.08 | 26.77 | 25.39 | 11.02 | 10.43 |
| Trim B | Cutting code | F | F | F | F | F | F | V | V |
| | Front shroud dia. (in.) | 16.14 | 15.35 | 19.69 | 18.9 | 24.8 | 23.62 | 10.63 | 10.24 |
| | Back shroud dia. (in.) | | | | | | | 10.24 | 9.84 |
| | Equivalent dia. (in.) | 16.14 | 15.35 | 19.69 | 18.9 | 24.8 | 23.62 | 10.43 | 10.04 |
| Trim C | Cutting code | F | F | F | F | F | F | V | V |
| | Front shroud dia. (in.) | 15.35 | 14.57 | 18.31 | 17.52 | 22.83 | 21.65 | | |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 15.35 | 14.57 | 18.31 | 17.52 | 22.83 | 21.65 | | |
| Minimum Trim | Cutting code | V | V | V | V | V | V | V | V |
| | Front shroud dia. (in.) | 13.78 | 13.78 | 14.17 | 14.17 | 14.96 | 14.96 | 10.63 | 10.04 |
| | Back shroud dia. (in.) | 13.19 | 12.6 | 12.99 | 12.4 | 13.78 | 12.99 | 10.24 | 9.65 |
| | Equivalent dia. (in.) | 13.5 | 13.19 | 13.58 | 13.31 | 14.37 | 14.02 | 10.43 | 9.84 |
| Metric Trimming | | 300-450 | 300-430 | 300-550 | 300-525 | 300-705 | 300-680 | 350-300 | 350-285 |
| | Specific Speed | 130 | 130 | 90 | 90 | 60 | 60 | 270 | 270 |
| | Min. flat cut dia. (mm) | 350 | 350 | 360 | 360 | 380 | 380 | 270 | 255 |
| Original Impeller | Front shroud dia. (mm) | 455 | 430 | 565 | 540 | 720 | 685 | 290 | 275 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 455 | 430 | 565 | 540 | 720 | 685 | 290 | 275 |
| Trim A | Cutting code | F | F | F | F | F | F | F | F |
| | Front shroud dia. (mm) | 435 | 410 | 535 | 510 | 680 | 645 | 280 | 265 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 435 | 410 | 535 | 510 | 680 | 645 | 280 | 265 |
| Trim B | Cutting code | F | F | F | F | F | F | V | V |
| | Front shroud dia. (mm) | 410 | 390 | 500 | 480 | 630 | 600 | 270 | 260 |
| | Back shroud dia. (mm) | | | | | | | 260 | 250 |
| | Equivalent dia. (mm) | 410 | 390 | 500 | 480 | 630 | 600 | 265 | 255 |
| Trim C | Cutting code | F | F | F | F | F | F | V | V |
| | Front shroud dia. (mm) | 390 | 370 | 465 | 445 | 580 | 550 | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 390 | 370 | 465 | 445 | 580 | 550 | | |
| Minimum Trim | Cutting code | V | V | V | V | V | V | V | V |
| | Front shroud dia. (mm) | 350 | 350 | 360 | 360 | 380 | 380 | 270 | 255 |
| | Back shroud dia. (mm) | 335 | 320 | 330 | 315 | 350 | 330 | 260 | 245 |
| | Equivalent dia. (mm) | 343 | 335 | 345 | 338 | 365 | 356 | 265 | 250 |

| Imperial Trimming | | 14X16X15 | 14X16X14.5 | 14X16X27.5 | 14X16X26 | 14X16X30.5 | 14X16X29 | 14X18X18 | 14X18X17 |
|-------------------|--------------------------|----------|------------|------------|----------|-----------------|-----------------|----------|----------|
| | Specific Speed | 190 | 190 | 90 | 90 | Consult Factory | Consult Factory | 190 | 190 |
| | Min. flat cut dia. (in.) | 13.58 | 13.58 | 15.35 | 15.35 | | | 15.16 | 15.16 |
| Original Impeller | Front shroud dia. (in.) | 15.16 | 14.37 | 27.76 | 26.38 | | | 17.91 | 17.13 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 15.16 | 14.37 | 27.76 | 26.38 | | | 17.91 | 17.13 |
| Trim A | Cutting code | F | F | F | F | | | F | F |
| | Front shroud dia. (in.) | 14.57 | 13.78 | 26.18 | 24.8 | | | 17.13 | 16.34 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 14.57 | 13.78 | 26.18 | 24.8 | | | 17.13 | 16.34 |
| Trim B | Cutting code | F | V | F | F | | | F | F |
| | Front shroud dia. (in.) | 13.98 | 13.78 | 24.61 | 23.23 | | | 16.34 | 15.75 |
| | Back shroud dia. (in.) | | 12.56 | | | | | | |
| | Equivalent dia. (in.) | 13.98 | 13.19 | 24.61 | 23.23 | | | 16.34 | 15.75 |
| Trim C | Cutting code | V | V | F | F | | | F | V |
| | Front shroud dia. (in.) | 13.58 | 13.58 | 22.83 | 21.65 | | | 15.75 | 15.16 |
| | Back shroud dia. (in.) | 12.8 | 11.54 | | | | | | 14.76 |
| | Equivalent dia. (in.) | 13.19 | 12.6 | 22.83 | 21.65 | 15.75 | 14.96 | | |
| Minimum Trim | Cutting code | V | V | V | V | V | V | | |
| | Front shroud dia. (in.) | 13.58 | 13.58 | 15.35 | 15.35 | 15.16 | 15.16 | | |
| | Back shroud dia. (in.) | 11.61 | 10.83 | 14.76 | 13.78 | 13.78 | 12.99 | | |
| | Equivalent dia. (in.) | 12.64 | 12.28 | 15.08 | 14.61 | 14.49 | 14.13 | | |
| Metric Trimming | | 350-385 | 350-365 | 350-690 | 350-655 | 350-780 | 350-745 | 350-450 | 350-430 |
| | Specific Speed | 190 | 190 | 90 | 90 | Consult Factory | Consult Factory | 190 | 190 |
| | Min. flat cut dia. (mm) | 345 | 345 | 390 | 390 | | | 385 | 385 |
| Original Impeller | Front shroud dia. (mm) | 385 | 365 | 705 | 670 | | | 455 | 435 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 385 | 365 | 705 | 670 | | | 455 | 435 |
| Trim A | Cutting code | F | F | F | F | | | F | F |
| | Front shroud dia. (mm) | 370 | 350 | 665 | 630 | | | 435 | 415 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 370 | 350 | 665 | 630 | | | 435 | 415 |
| Trim B | Cutting code | F | V | F | F | | | F | F |
| | Front shroud dia. (mm) | 355 | 350 | 625 | 590 | | | 415 | 400 |
| | Back shroud dia. (mm) | | 319 | | | | | | |
| | Equivalent dia. (mm) | 355 | 335 | 625 | 590 | | | 415 | 400 |
| Trim C | Cutting code | V | V | F | F | | | F | V |
| | Front shroud dia. (mm) | 345 | 345 | 580 | 550 | | | 400 | 385 |
| | Back shroud dia. (mm) | 325 | 293 | | | | | | 375 |
| | Equivalent dia. (mm) | 335 | 320 | 580 | 550 | 400 | 380 | | |
| Minimum Trim | Cutting code | V | V | V | V | V | V | | |
| | Front shroud dia. (mm) | 345 | 345 | 390 | 390 | 385 | 385 | | |
| | Back shroud dia. (mm) | 295 | 275 | 375 | 350 | 350 | 330 | | |
| | Equivalent dia. (mm) | 321 | 312 | 383 | 371 | 368 | 359 | | |

| Imperial Trimming | | 14X18X21 | 14X18X20 | 14X20X26.5 | 14X20X25.5 | 14X20X33 | 14X20X31.5 | 16X16X13.5 | 16X16X13 |
|-------------------|--------------------------|----------|----------|-----------------|-----------------|-----------------|-----------------|------------|----------|
| | Specific Speed | 130 | 130 | Consult Factory | Consult Factory | Consult Factory | Consult Factory | 270 | 270 |
| | Min. flat cut dia. (in.) | 16.14 | 15.75 | | | | | 12.2 | 11.61 |
| Original Impeller | Front shroud dia. (in.) | 21.26 | 20.28 | | | | | 13.11 | 12.4 |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 21.26 | 20.28 | | | | | 13.11 | 12.4 |
| | Cutting code | F | F | | | | | V | V |
| Trim A | Front shroud dia. (in.) | 20.28 | 19.29 | | | | | 12.99 | 12.2 |
| | Back shroud dia. (in.) | | | | | | | 12.2 | 11.42 |
| | Equivalent dia. (in.) | 20.28 | 19.29 | | | | | 12.6 | 11.81 |
| | Cutting code | F | F | | | | | V | V |
| Trim B | Front shroud dia. (in.) | 19.29 | 18.31 | | | | | 12.2 | 11.61 |
| | Back shroud dia. (in.) | | | | | | | 11.81 | 11.22 |
| | Equivalent dia. (in.) | 19.29 | 18.31 | | | | | 12.01 | 11.42 |
| | Cutting code | F | F | | | | | V | V |
| Trim C | Front shroud dia. (in.) | 18.11 | 17.32 | | | | | | |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 18.11 | 17.32 | | | | | | |
| | Cutting code | V | V | V | V | | | | |
| Minimum Trim | Front shroud dia. (in.) | 16.14 | 15.75 | 12.2 | 11.61 | | | | |
| | Back shroud dia. (in.) | 15.75 | 15.16 | 11.81 | 11.22 | | | | |
| | Equivalent dia. (in.) | 15.94 | 15.47 | 12.01 | 11.42 | | | | |
| | Cutting code | V | V | V | V | | | | |
| Metric Trimming | | 350-530 | 350-505 | 350-685 | 350-650 | 350-845 | 350-805 | 400-340 | 400-325 |
| | Specific Speed | 130 | 130 | Consult Factory | Consult Factory | Consult Factory | Consult Factory | 270 | 270 |
| | Min. flat cut dia. (mm) | 410 | 400 | | | | | 310 | 295 |
| Original Impeller | Front shroud dia. (mm) | 540 | 515 | | | | | 333 | 315 |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 540 | 515 | | | | | 333 | 315 |
| | Cutting code | F | F | | | | | V | V |
| Trim A | Front shroud dia. (mm) | 515 | 490 | | | | | 330 | 310 |
| | Back shroud dia. (mm) | | | | | | | 310 | 290 |
| | Equivalent dia. (mm) | 515 | 490 | | | | | 320 | 300 |
| | Cutting code | F | F | | | | | V | V |
| Trim B | Front shroud dia. (mm) | 490 | 465 | | | | | 310 | 295 |
| | Back shroud dia. (mm) | | | | | | | 300 | 285 |
| | Equivalent dia. (mm) | 490 | 465 | | | | | 305 | 290 |
| | Cutting code | F | F | | | | | V | V |
| Trim C | Front shroud dia. (mm) | 460 | 440 | | | | | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 460 | 440 | | | | | | |
| | Cutting code | V | V | V | V | | | | |
| Minimum Trim | Front shroud dia. (mm) | 410 | 400 | 310 | 295 | | | | |
| | Back shroud dia. (mm) | 400 | 385 | 300 | 285 | | | | |
| | Equivalent dia. (mm) | 405 | 393 | 305 | 290 | | | | |
| | Cutting code | V | V | V | V | | | | |

| Imperial Trimming | | 16X20X20.5 | 16X20X19.5 | 16X20X21 | 16X20X20 | 16X20X23 | 16X20X22 | 16X24X31.5 | 16X24X29.5 |
|-------------------|--------------------------|------------|------------|-----------------|-----------------|----------|----------|-----------------|-----------------|
| | Specific Speed | 190 | 190 | Consult Factory | Consult Factory | 130 | 130 | Consult Factory | Consult Factory |
| | Min. flat cut dia. (in.) | 16.54 | 16.54 | | | 17.72 | 17.72 | | |
| Original Impeller | Front shroud dia. (in.) | 20.87 | 19.88 | | | 23.03 | 21.85 | | |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 20.87 | 19.88 | | | 23.03 | 21.85 | | |
| Trim A | Cutting code | F | F | | | F | F | | |
| | Front shroud dia. (in.) | 19.88 | 18.9 | | | 22.05 | 20.87 | | |
| | Back shroud dia. (in.) | | | | | | | | |
| Trim B | Equivalent dia. (in.) | 19.88 | 18.9 | | | 22.05 | 20.87 | | |
| | Cutting code | F | F | | | F | F | | |
| | Front shroud dia. (in.) | 19.09 | 18.11 | | | 20.87 | 19.69 | | |
| Trim C | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | 19.09 | 18.11 | | | 20.87 | 19.69 | | |
| | Cutting code | F | F | | | F | F | | |
| Minimum Trim | Front shroud dia. (in.) | 18.31 | 17.32 | | | 19.69 | 18.7 | | |
| | Back shroud dia. (in.) | 1 | | | | | | | |
| | Equivalent dia. (in.) | 18.31 | 17.32 | 19.69 | 18.7 | | | | |
| Minimum Trim | Cutting code | V | V | V | V | | | | |
| | Front shroud dia. (in.) | 16.54 | 16.54 | 17.72 | 17.72 | | | | |
| | Back shroud dia. (in.) | 16.34 | 15.55 | 16.34 | 15.94 | | | | |
| | Equivalent dia. (in.) | 16.46 | 16.06 | 17.05 | 16.85 | | | | |
| Metric Trimming | | 400-525 | 400-500 | 400-535 | 400-510 | 400-580 | 400-550 | 400-800 | 400-760 |
| | Specific Speed | 190 | 190 | Consult Factory | Consult Factory | 130 | 130 | Consult Factory | Consult Factory |
| | Min. flat cut dia. (mm) | 420 | 420 | | | 450 | 450 | | |
| Original Impeller | Front shroud dia. (mm) | 530 | 505 | | | 585 | 555 | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 530 | 505 | | | 585 | 555 | | |
| Trim A | Cutting code | F | F | | | F | F | | |
| | Front shroud dia. (mm) | 505 | 480 | | | 560 | 530 | | |
| | Back shroud dia. (mm) | | | | | | | | |
| Trim B | Equivalent dia. (mm) | 505 | 480 | | | 560 | 530 | | |
| | Cutting code | F | F | | | F | F | | |
| | Front shroud dia. (mm) | 485 | 460 | | | 530 | 500 | | |
| Trim C | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 485 | 460 | | | 530 | 500 | | |
| | Cutting code | F | F | | | F | F | | |
| Minimum Trim | Front shroud dia. (mm) | 465 | 440 | | | 500 | 475 | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | 465 | 440 | 500 | 475 | | | | |
| Minimum Trim | Cutting code | V | V | V | V | | | | |
| | Front shroud dia. (mm) | 420 | 420 | 450 | 450 | | | | |
| | Back shroud dia. (mm) | 415 | 395 | 415 | 405 | | | | |
| | Equivalent dia. (mm) | 418 | 408 | 433 | 428 | | | | |

| | | | | | | | | | |
|-------------------|--------------------------|-----------------|-----------------|------------|------------|----------|----------|-----------------|-----------------|
| Imperial Trimming | | 16X24X38 | 16X24X34 | 18X20X15.5 | 18X20X14.5 | 20X24X18 | 20X24X17 | 20X24X20.5 | 20X24X19.5 |
| | Specific Speed | Consult Factory | Consult Factory | 270 | 270 | 270 | 270 | Consult Factory | Consult Factory |
| | Min. flat cut dia. (in.) | | | 14.17 | 13.19 | 15.94 | 15.16 | | |
| Original Impeller | Front shroud dia. (in.) | | | 15 | 14.25 | 17.13 | 16.34 | | |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | 15 | 14.25 | 17.13 | 16.34 | | |
| | Cutting code | | | V | V | F | F | | |
| Trim A | Front shroud dia. (in.) | | | 15 | 14.25 | 16.34 | 15.55 | | |
| | Back shroud dia. (in.) | | | 13.7 | 12.87 | | | | |
| | Equivalent dia. (in.) | | | 14.37 | 13.58 | 16.34 | 15.55 | | |
| | Cutting code | | | V | V | V | V | | |
| Trim B | Front shroud dia. (in.) | | | 14.17 | 13.19 | 15.94 | 15.16 | | |
| | Back shroud dia. (in.) | | | 13.39 | 12.8 | 15.55 | 14.76 | | |
| | Equivalent dia. (in.) | | | 13.78 | 12.99 | 15.75 | 14.96 | | |
| | Cutting code | | | V | V | V | V | | |
| Trim C | Front shroud dia. (in.) | | | | | | | | |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | | | | | | |
| | Cutting code | | | V | V | V | V | | |
| Minimum Trim | Front shroud dia. (in.) | | | 14.17 | 13.19 | 15.94 | 15.16 | | |
| | Back shroud dia. (in.) | | | 13.39 | 12.8 | 15.55 | 14.76 | | |
| | Equivalent dia. (in.) | 13.78 | 12.99 | 15.75 | 14.96 | | | | |
| | Cutting code | V | V | V | V | | | | |
| Metric Trimming | | 400-970 | 400-925 | 450-390 | 450-370 | 500-450 | 500-430 | 500-525 | 500-500 |
| | Specific Speed | Consult Factory | Consult Factory | 270 | 270 | 270 | 270 | Consult Factory | Consult Factory |
| | Min. flat cut dia. (mm) | | | 360 | 335 | 405 | 385 | | |
| Original Impeller | Front shroud dia. (mm) | | | 381 | 362 | 435 | 415 | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | 381 | 362 | 435 | 415 | | |
| | Cutting code | | | V | V | F | F | | |
| Trim A | Front shroud dia. (mm) | | | 381 | 362 | 415 | 395 | | |
| | Back shroud dia. (mm) | | | 348 | 327 | | | | |
| | Equivalent dia. (mm) | | | 365 | 345 | 415 | 395 | | |
| | Cutting code | | | V | V | V | V | | |
| Trim B | Front shroud dia. (mm) | | | 360 | 335 | 405 | 385 | | |
| | Back shroud dia. (mm) | | | 340 | 325 | 395 | 375 | | |
| | Equivalent dia. (mm) | | | 350 | 330 | 400 | 380 | | |
| | Cutting code | | | V | V | V | V | | |
| Trim C | Front shroud dia. (mm) | | | | | | | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | | | | | | |
| | Cutting code | | | V | V | V | V | | |
| Minimum Trim | Front shroud dia. (mm) | | | 360 | 335 | 405 | 385 | | |
| | Back shroud dia. (mm) | | | 340 | 325 | 395 | 375 | | |
| | Equivalent dia. (mm) | 350 | 330 | 400 | 380 | | | | |
| | Cutting code | V | V | V | V | | | | |

| | | | | | | | | | |
|-------------------|--------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Imperial Trimming | | 20X24X24.5 | 20X24X23.5 | 20X28X28 | 20X28X27 | 20X28X36 | 20X28X34 | 24X28X22.5 | 24X28X21 |
| | Specific Speed | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory |
| | Min. flat cut dia. (in.) | | | | | | | | |
| Original Impeller | Front shroud dia. (in.) | | | | | | | | |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | | | | | | |
| Trim A | Cutting code | | | | | | | | |
| | Front shroud dia. (in.) | | | | | | | | |
| | Back shroud dia. (in.) | | | | | | | | |
| Trim B | Equivalent dia. (in.) | | | | | | | | |
| | Cutting code | | | | | | | | |
| | Front shroud dia. (in.) | | | | | | | | |
| Trim C | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | | | | | | |
| | Cutting code | | | | | | | | |
| Minimum Trim | Front shroud dia. (in.) | | | | | | | | |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | | | | | | |
| Metric Trimming | | 500-525 | 500-500 | 500-625 | 500-605 | 500-715 | 500-690 | 500-920 | 500-875 |
| | Specific Speed | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory |
| | Min. flat cut dia. (mm) | | | | | | | | |
| Original Impeller | Front shroud dia. (mm) | | | | | | | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | | | | | | |
| Trim A | Cutting code | | | | | | | | |
| | Front shroud dia. (mm) | | | | | | | | |
| | Back shroud dia. (mm) | | | | | | | | |
| Trim B | Equivalent dia. (mm) | | | | | | | | |
| | Cutting code | | | | | | | | |
| | Front shroud dia. (mm) | | | | | | | | |
| Trim C | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | | | | | | |
| | Cutting code | | | | | | | | |
| Minimum Trim | Front shroud dia. (mm) | | | | | | | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | | | | | | |

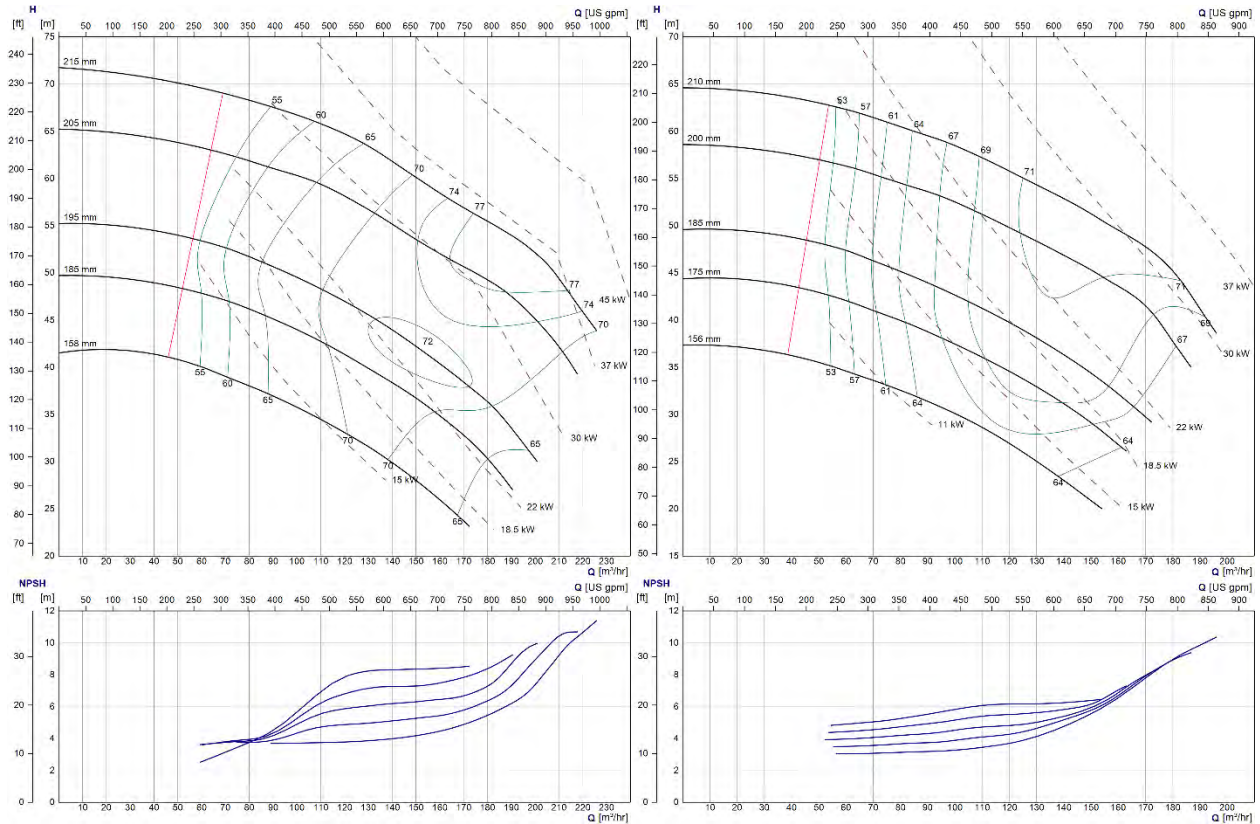
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|-------------------|--------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Imperial Trimming | | 24X28X24 | 24X28X23 | 24X32X31.5 | 24X32X30 | 24X32X39 | 24X32X37 | 24X32X43.5 | 24X32X41.5 |
| | Specific Speed | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory |
| | Min. flat cut dia. (in.) | | | | | | | | |
| Original Impeller | Front shroud dia. (in.) | | | | | | | | |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | | | | | | |
| Trim A | Cutting code | | | | | | | | |
| | Front shroud dia. (in.) | | | | | | | | |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | | | | | | |
| Trim B | Cutting code | | | | | | | | |
| | Front shroud dia. (in.) | | | | | | | | |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | | | | | | |
| Trim C | Cutting code | | | | | | | | |
| | Front shroud dia. (in.) | | | | | | | | |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | | | | | | |
| Minimum Trim | Cutting code | | | | | | | | |
| | Front shroud dia. (in.) | | | | | | | | |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | | | | | | |
| Metric Trimming | | 600-610 | 600-580 | 600-810 | 600-770 | 600-1000 | 600-950 | 600-1115 | 600-1060 |
| | Specific Speed | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory |
| | Min. flat cut dia. (mm) | | | | | | | | |
| Original Impeller | Front shroud dia. (mm) | | | | | | | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | | | | | | |
| Trim A | Cutting code | | | | | | | | |
| | Front shroud dia. (mm) | | | | | | | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | | | | | | |
| Trim B | Cutting code | | | | | | | | |
| | Front shroud dia. (mm) | | | | | | | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | | | | | | |
| Trim C | Cutting code | | | | | | | | |
| | Front shroud dia. (mm) | | | | | | | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | | | | | | |
| Minimum Trim | Cutting code | | | | | | | | |
| | Front shroud dia. (mm) | | | | | | | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | | | | | | |

| | | | | | | | | | |
|-------------------|--------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Imperial Trimming | | 28X28X21 | 28X28X19.5 | 28X32X23.5 | 28X32X23 | 28X32X26 | 28X32X25 | 28X32X30.5 | 28X32X28.5 |
| | Specific Speed | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory |
| | Min. flat cut dia. (in.) | | | | | | | | |
| Original Impeller | Front shroud dia. (in.) | | | | | | | | |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | | | | | | |
| Trim A | Cutting code | | | | | | | | |
| | Front shroud dia. (in.) | | | | | | | | |
| | Back shroud dia. (in.) | | | | | | | | |
| Trim B | Equivalent dia. (in.) | | | | | | | | |
| | Cutting code | | | | | | | | |
| | Front shroud dia. (in.) | | | | | | | | |
| Trim C | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | | | | | | |
| | Cutting code | | | | | | | | |
| Minimum Trim | Front shroud dia. (in.) | | | | | | | | |
| | Back shroud dia. (in.) | | | | | | | | |
| | Equivalent dia. (in.) | | | | | | | | |
| Metric Trimming | | 700-535 | 700-505 | 700-615 | 700-585 | 700-670 | 700-635 | 700-775 | 700-735 |
| | Specific Speed | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory |
| | Min. flat cut dia. (mm) | | | | | | | | |
| Original Impeller | Front shroud dia. (mm) | | | | | | | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | | | | | | |
| Trim A | Cutting code | | | | | | | | |
| | Front shroud dia. (mm) | | | | | | | | |
| | Back shroud dia. (mm) | | | | | | | | |
| Trim B | Equivalent dia. (mm) | | | | | | | | |
| | Cutting code | | | | | | | | |
| | Front shroud dia. (mm) | | | | | | | | |
| Trim C | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | | | | | | |
| | Cutting code | | | | | | | | |
| Minimum Trim | Front shroud dia. (mm) | | | | | | | | |
| | Back shroud dia. (mm) | | | | | | | | |
| | Equivalent dia. (mm) | | | | | | | | |

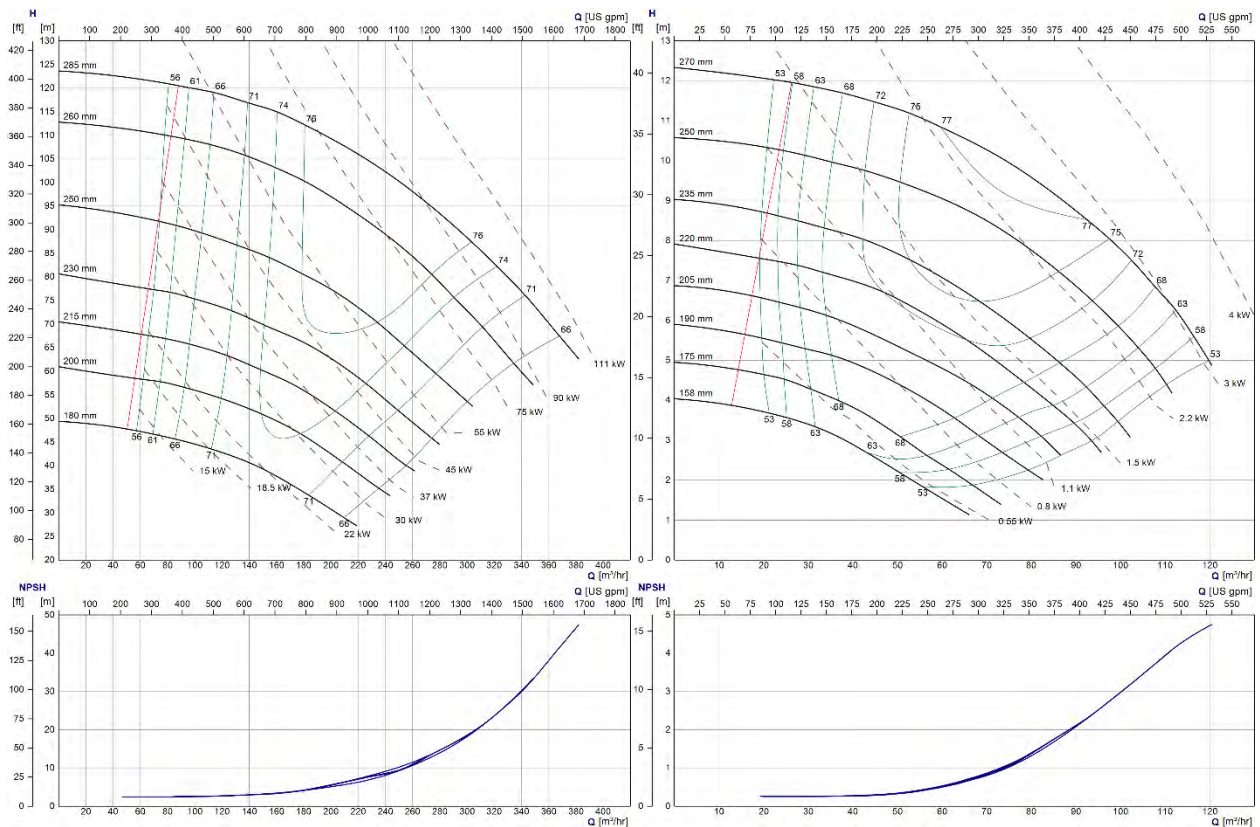
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|-------------------|--------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Imperial Trimming | | 28X32X34 | 28X32X32.5 | 28X36X39 | 28X36X37 | 32X32X23 | 32X32X22 |
| | Specific Speed | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory |
| | Min. flat cut dia. (in.) | | | | | | |
| Original Impeller | Front shroud dia. (in.) | | | | | | |
| | Back shroud dia. (in.) | | | | | | |
| | Equivalent dia. (in.) | | | | | | |
| Trim A | Cutting code | | | | | | |
| | Front shroud dia. (in.) | | | | | | |
| | Back shroud dia. (in.) | | | | | | |
| | Equivalent dia. (in.) | | | | | | |
| Trim B | Cutting code | | | | | | |
| | Front shroud dia. (in.) | | | | | | |
| | Back shroud dia. (in.) | | | | | | |
| | Equivalent dia. (in.) | | | | | | |
| Trim C | Cutting code | | | | | | |
| | Front shroud dia. (in.) | | | | | | |
| | Back shroud dia. (in.) | | | | | | |
| | Equivalent dia. (in.) | | | | | | |
| Minimum Trim | Cutting code | | | | | | |
| | Front shroud dia. (in.) | | | | | | |
| | Back shroud dia. (in.) | | | | | | |
| | Equivalent dia. (in.) | | | | | | |
| Metric Trimming | | 700-870 | 700-830 | 700-995 | 700-945 | 800-590 | 800-560 |
| | Specific Speed | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory | Consult Factory |
| | Min. flat cut dia. (mm) | | | | | | |
| Original Impeller | Front shroud dia. (mm) | | | | | | |
| | Back shroud dia. (mm) | | | | | | |
| | Equivalent dia. (mm) | | | | | | |
| Trim A | Cutting code | | | | | | |
| | Front shroud dia. (mm) | | | | | | |
| | Back shroud dia. (mm) | | | | | | |
| | Equivalent dia. (mm) | | | | | | |
| Trim B | Cutting code | | | | | | |
| | Front shroud dia. (mm) | | | | | | |
| | Back shroud dia. (mm) | | | | | | |
| | Equivalent dia. (mm) | | | | | | |
| Trim C | Cutting code | | | | | | |
| | Front shroud dia. (mm) | | | | | | |
| | Back shroud dia. (mm) | | | | | | |
| | Equivalent dia. (mm) | | | | | | |
| Minimum Trim | Cutting code | | | | | | |
| | Front shroud dia. (mm) | | | | | | |
| | Back shroud dia. (mm) | | | | | | |
| | Equivalent dia. (mm) | | | | | | |

e-XC Pumps
Individual Performance Curves (50Hz)
2-Pole (2970 RPM)

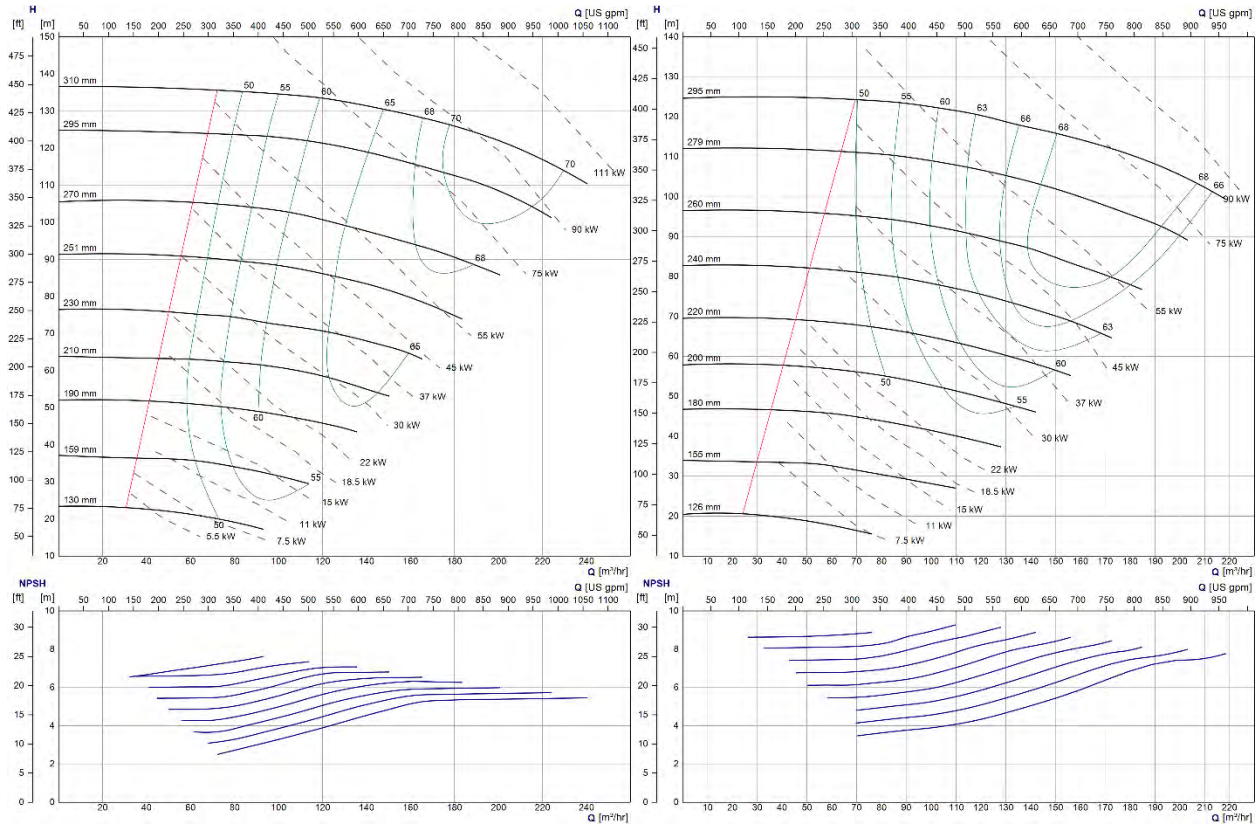
80-215 & 80-205 (3x5x8.5 & 3x5x8) – 2970 RPM



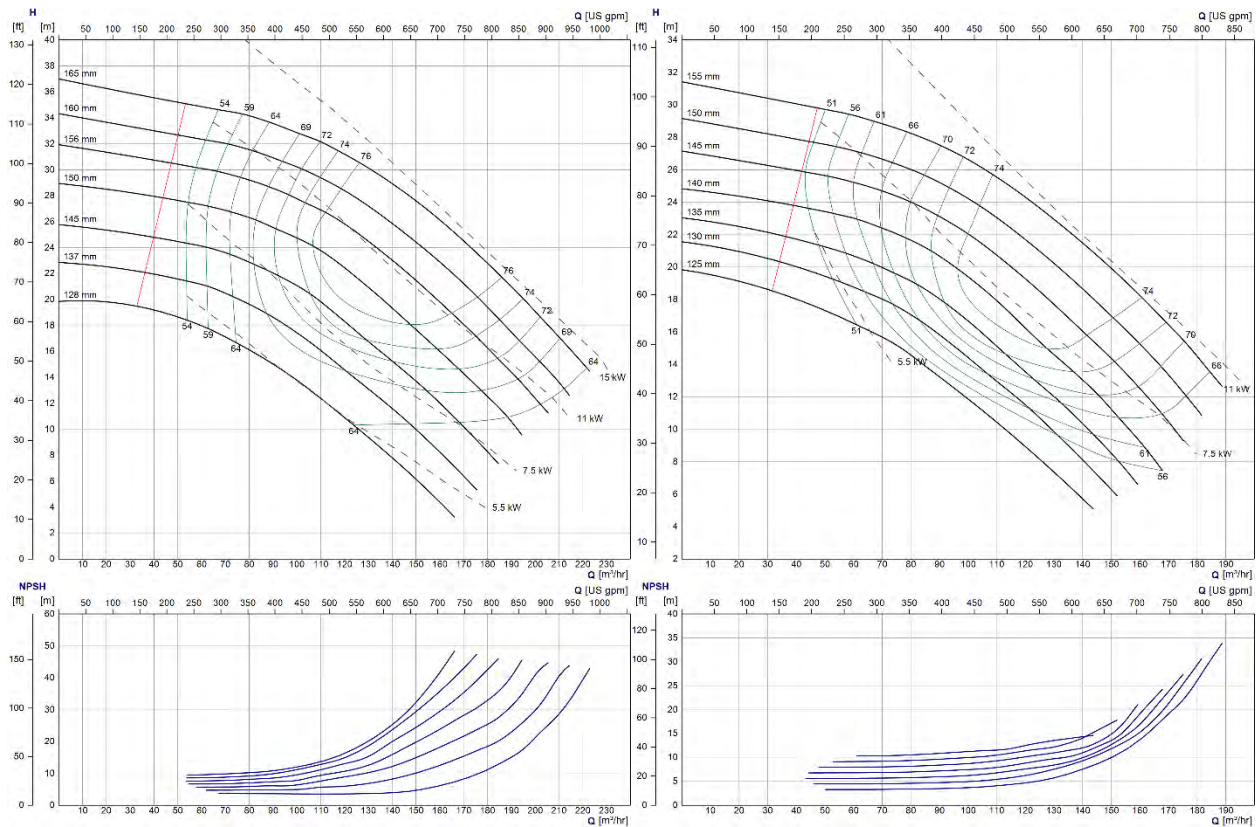
80-285 & 80-270 (3x5x11 & 3x5x10.5) – 2970 RPM



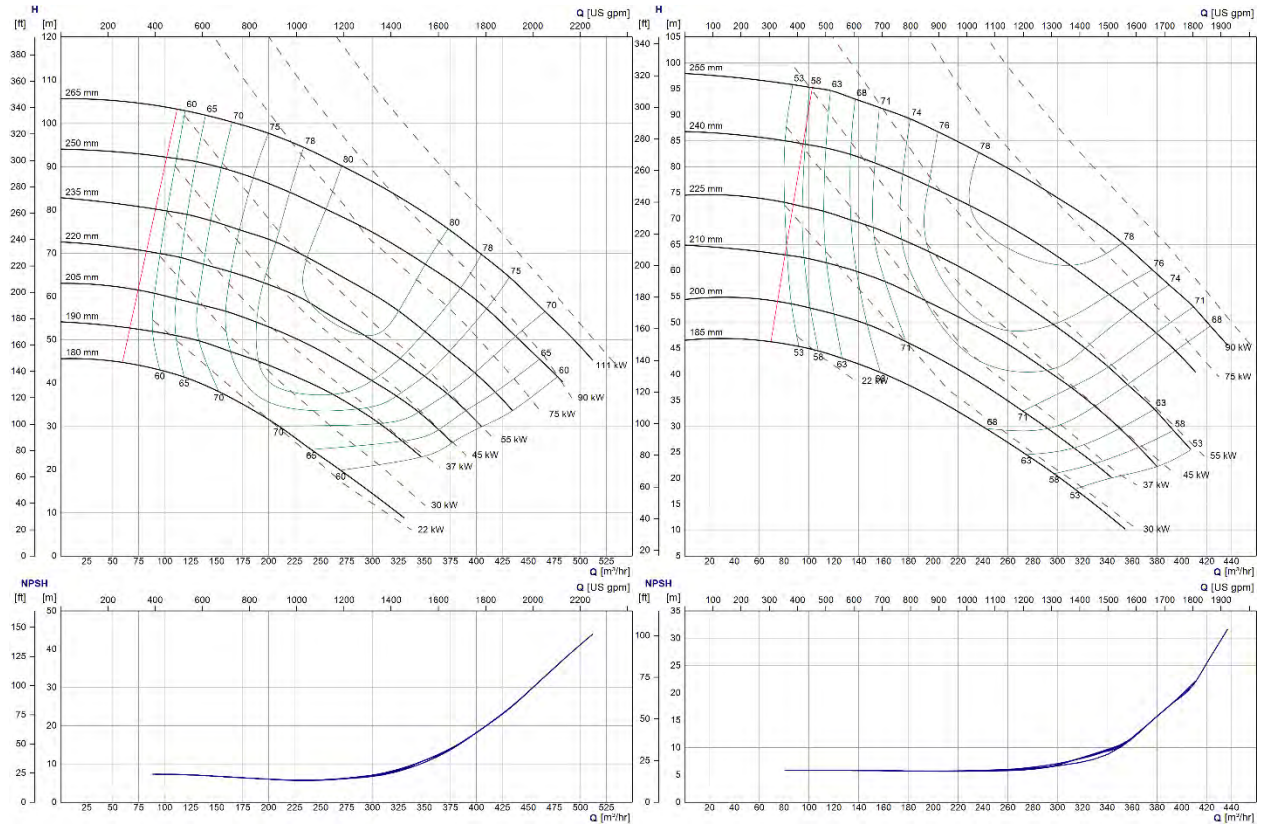
80-315 & 80-300 (3x5x12.5 & 3x5x12) – 2970 RPM



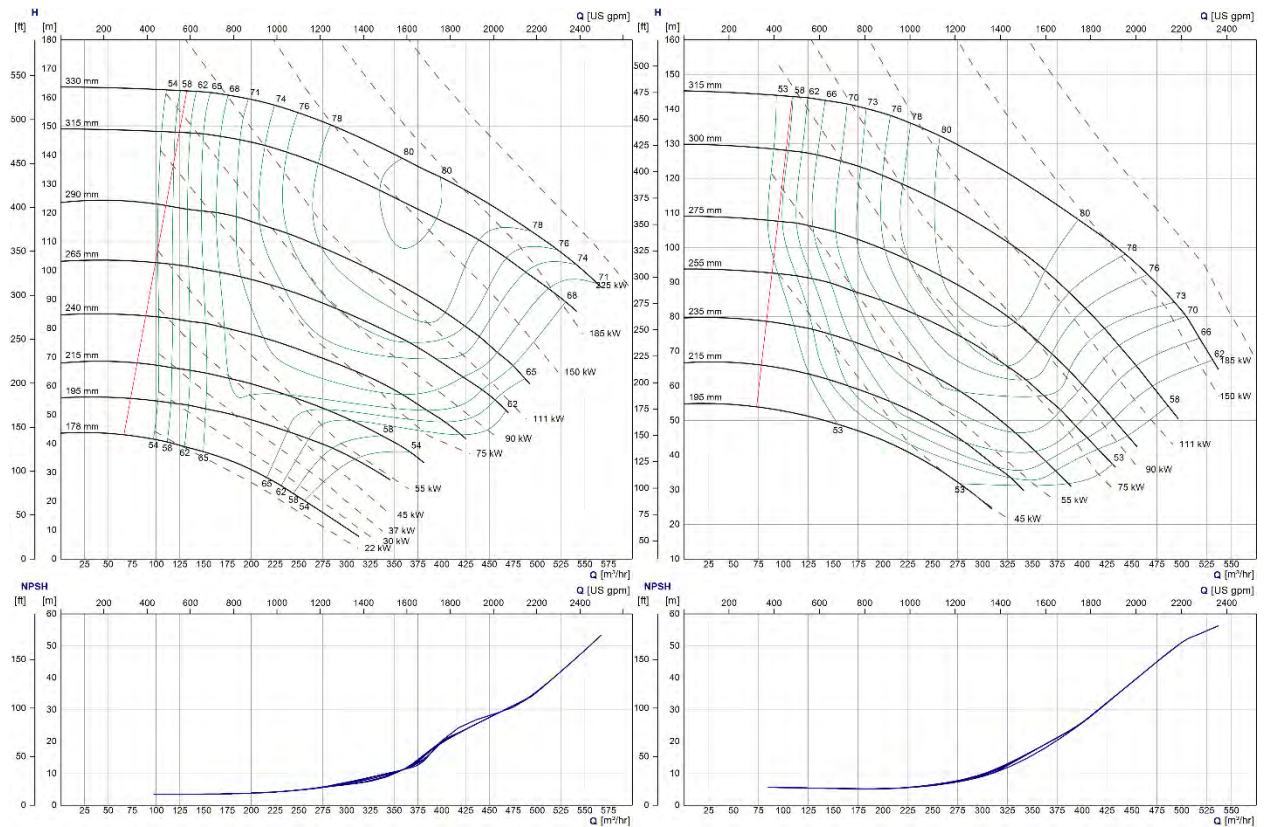
100-165 & 100-155 (4x5x6.5 & 4x5x6) – 2970 RPM



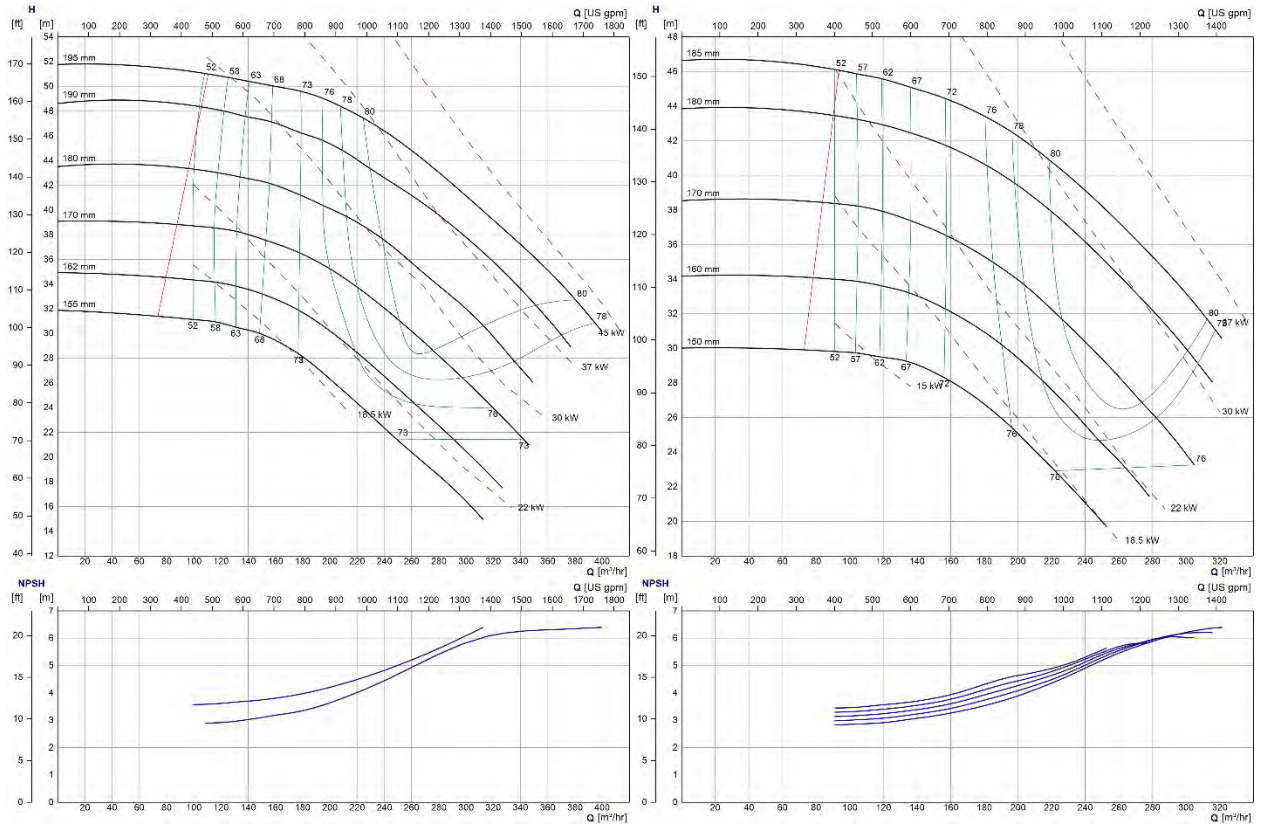
100-260 & 100-250 (4x6x10 & 4x6x9.5) – 2970 RPM



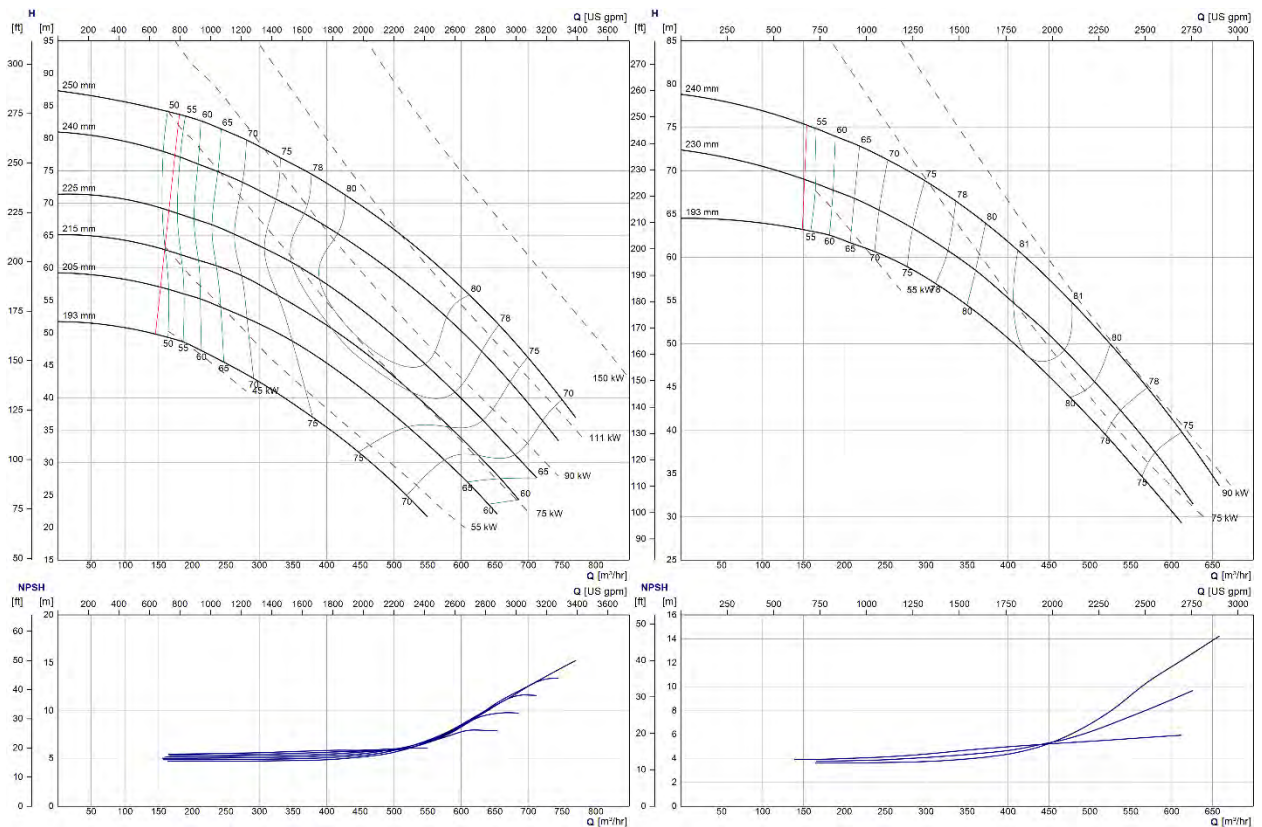
100-325 & 100-310 (4x6x13 & 4x6x12) – 2970 RPM



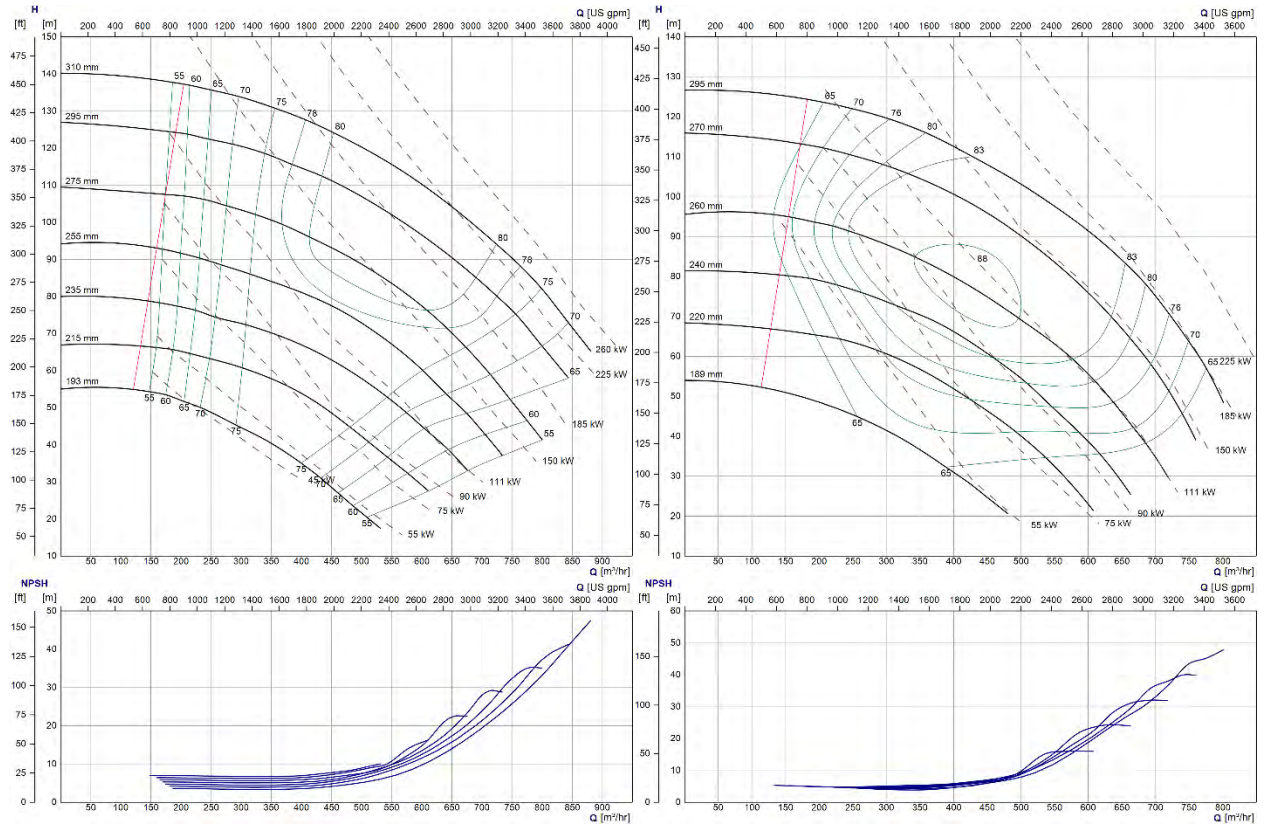
125-195 & 125-185 (5x6x7.5 & 5x6x7) – 2970 RPM



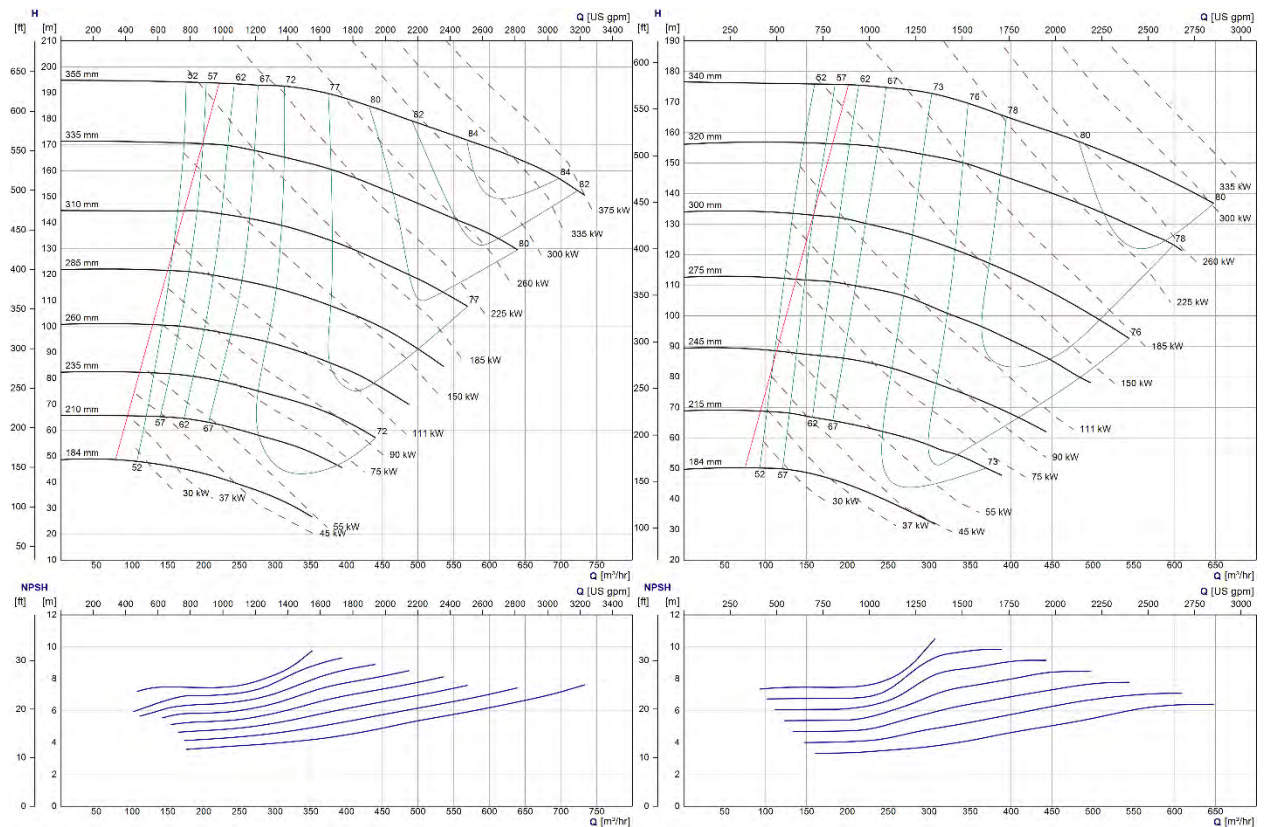
125-245 & 125-235 (5x8x9.5 & 5x8x9) – 2970 RPM



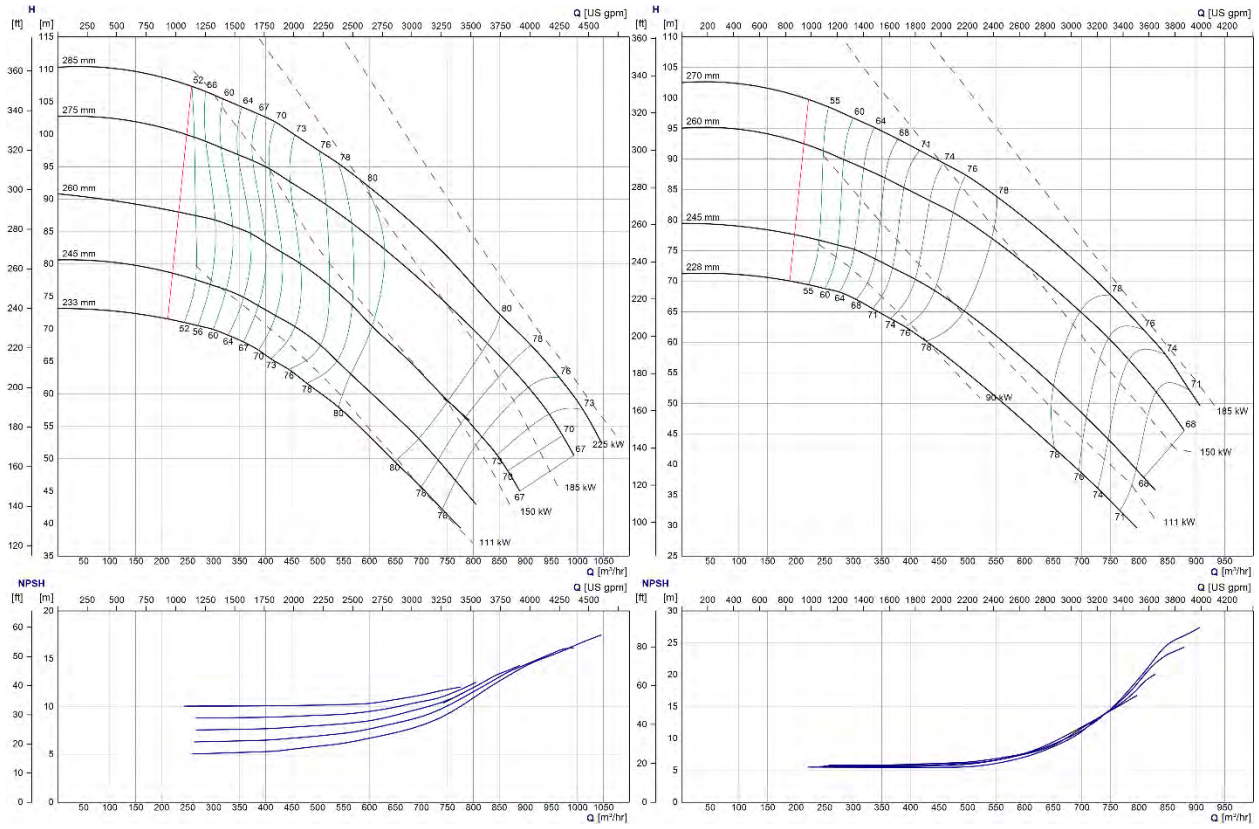
125-300 & 125-285 (5x8x12 & 5x8x11) – 2970 RPM



125-355 & 125-335 (5x8x14 & 5x8x13.5) – 2970 RPM

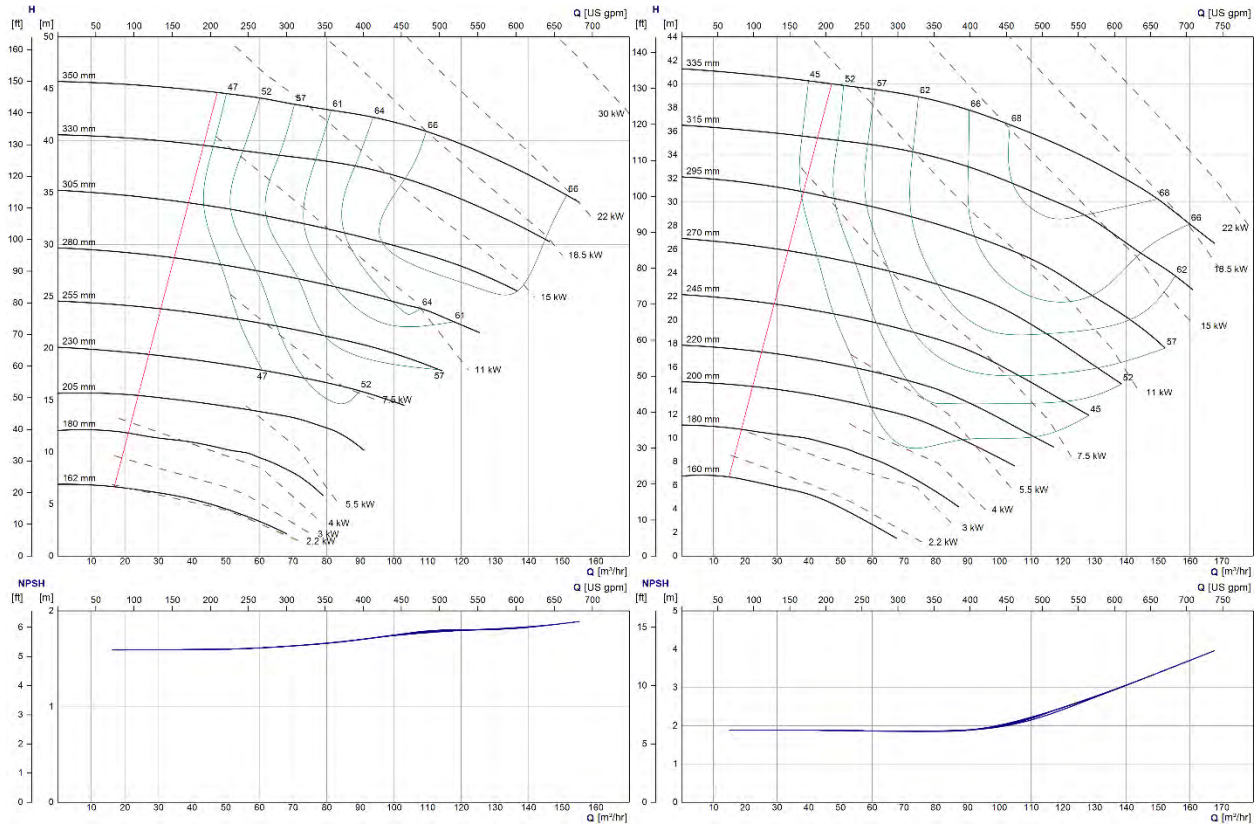


150-280 & 150-265 (6x10x11 & 6x10x10.5) – 2970 RPM

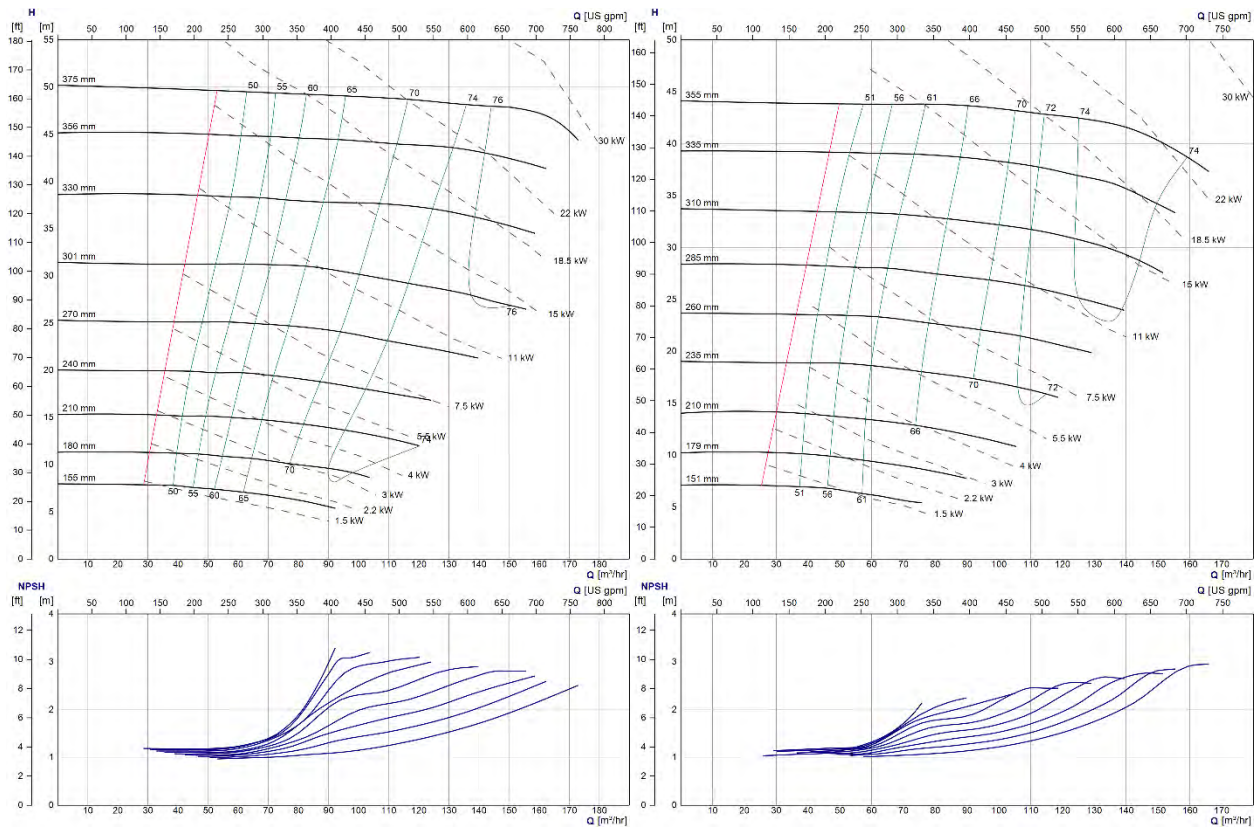


e-XC Pumps
Individual Performance Curves (50Hz)
4-Pole (1480 RPM)

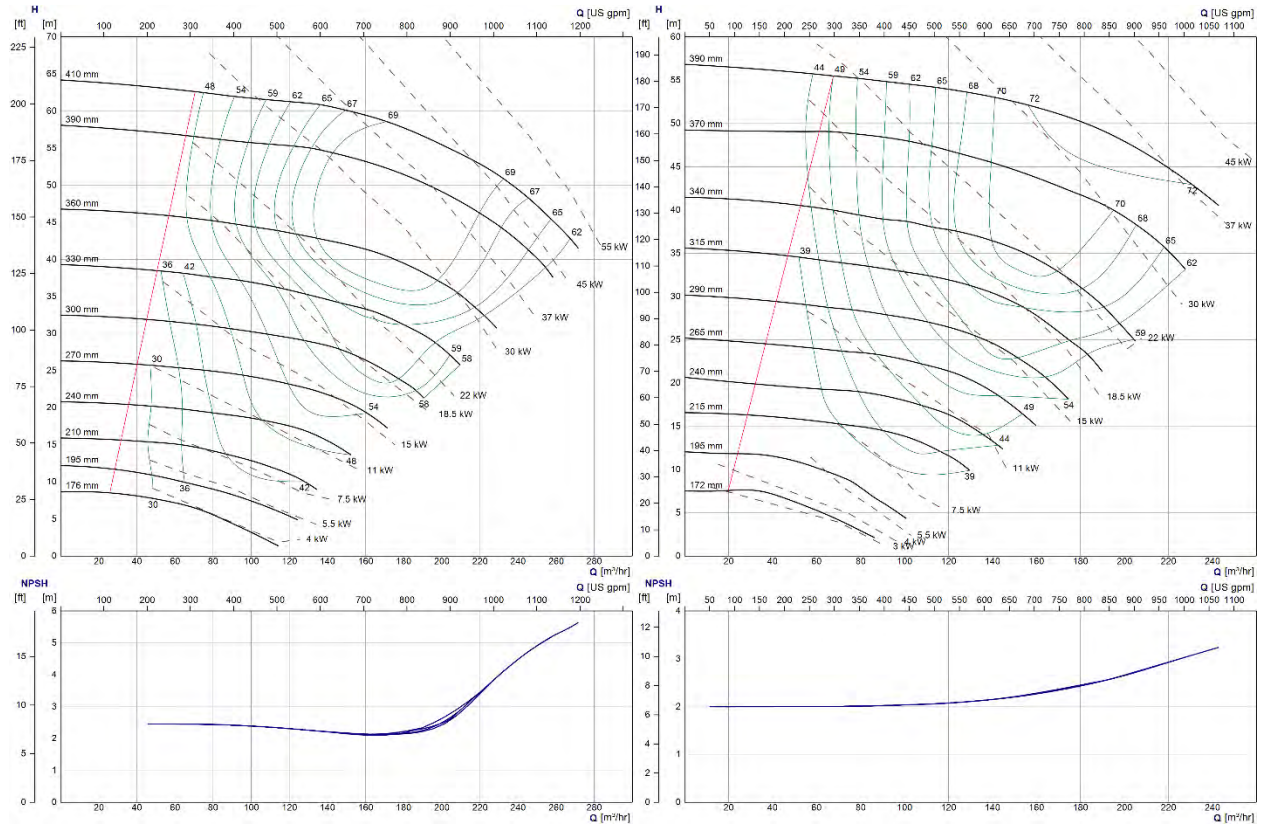
80-345 & 80-330 (3x5x13.5 & 3x5x13) – 1480 RPM



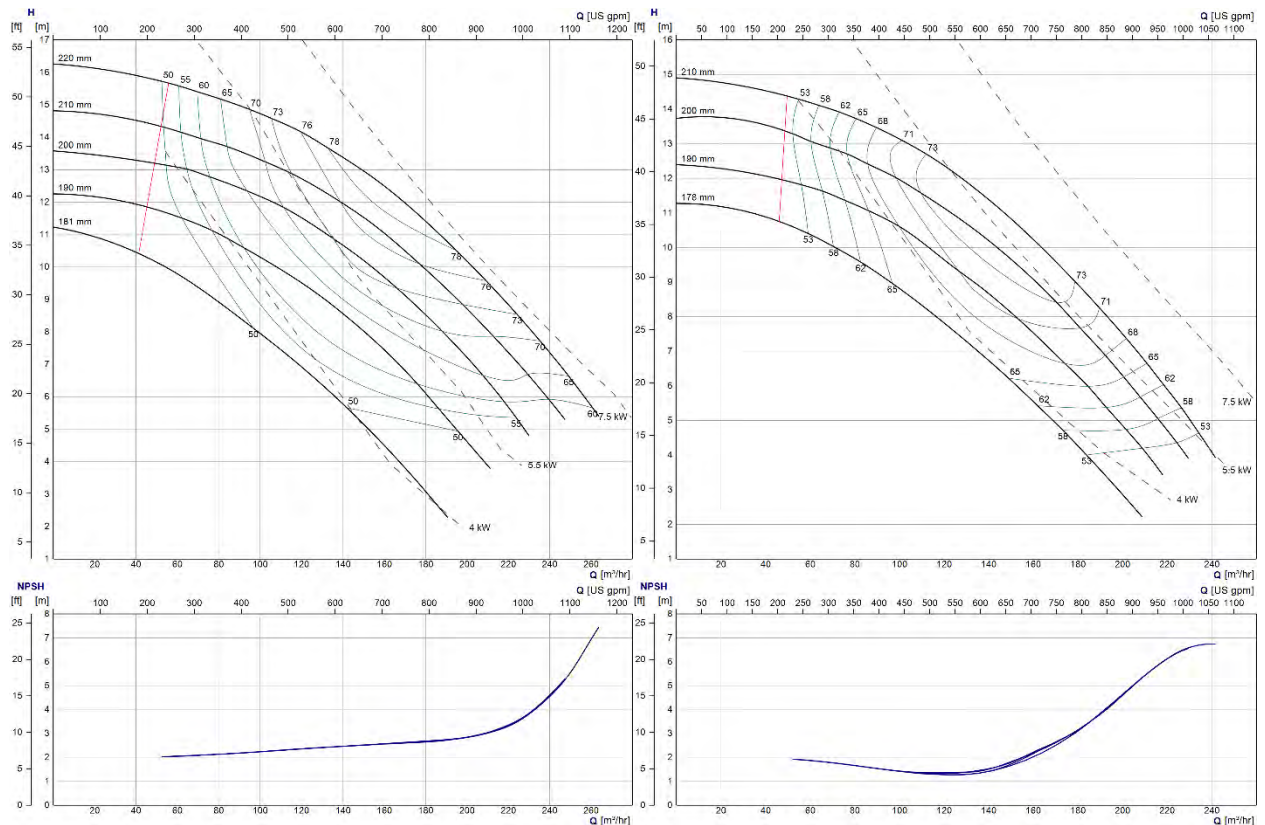
100-365 & 100-350 (4x6x14.5 & 4x6x13.5) – 1480 RPM



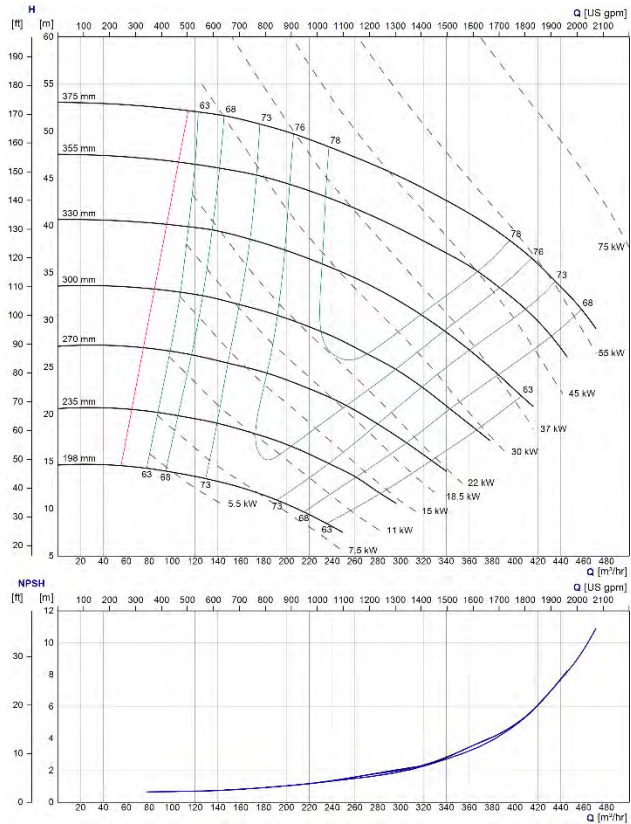
100-410 & 100-390 (4x6x16 & 4x6x15.5) – 1480 RPM



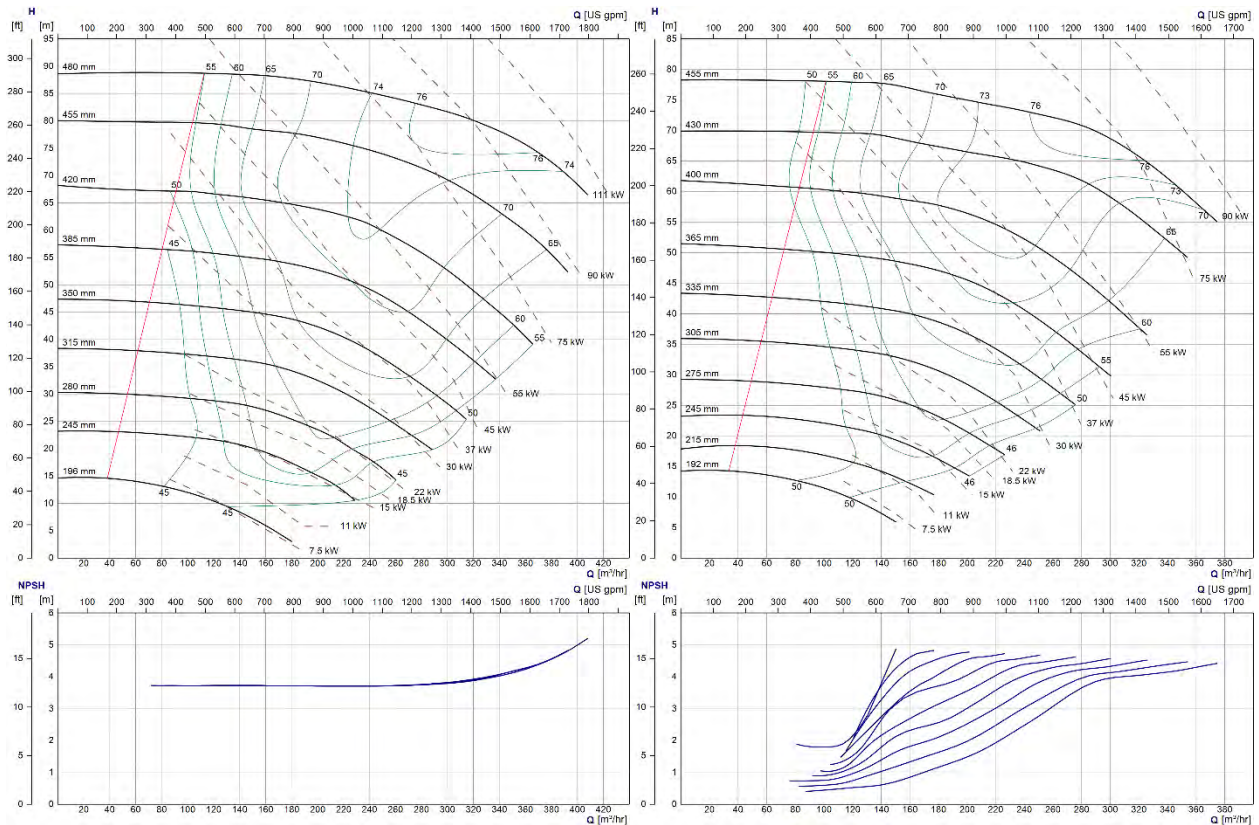
125-225 & 125-215 (5x6x9 & 5x6x8.5) – 1480 RPM



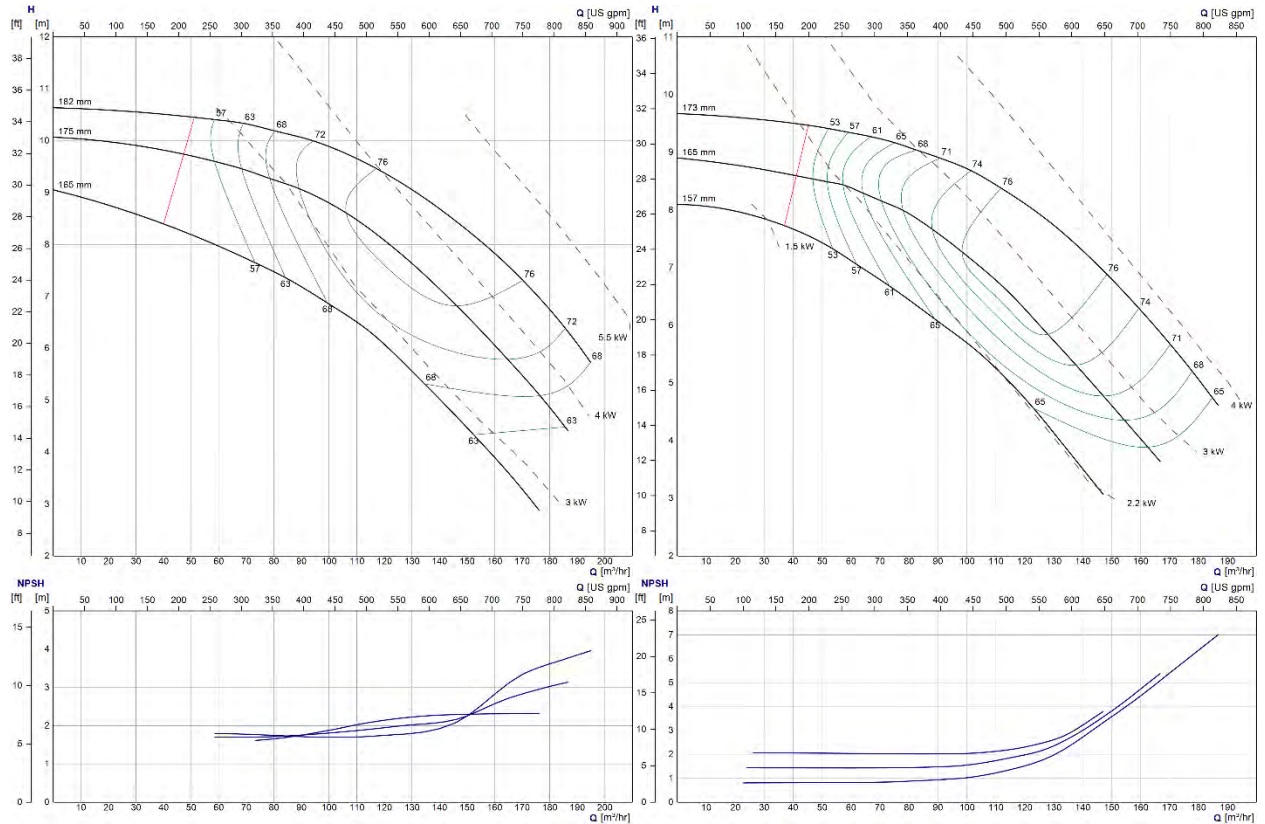
125-390 & 125-370 (5x8x15.5 & 5x8x14.5): (125-390 Data coming soon)



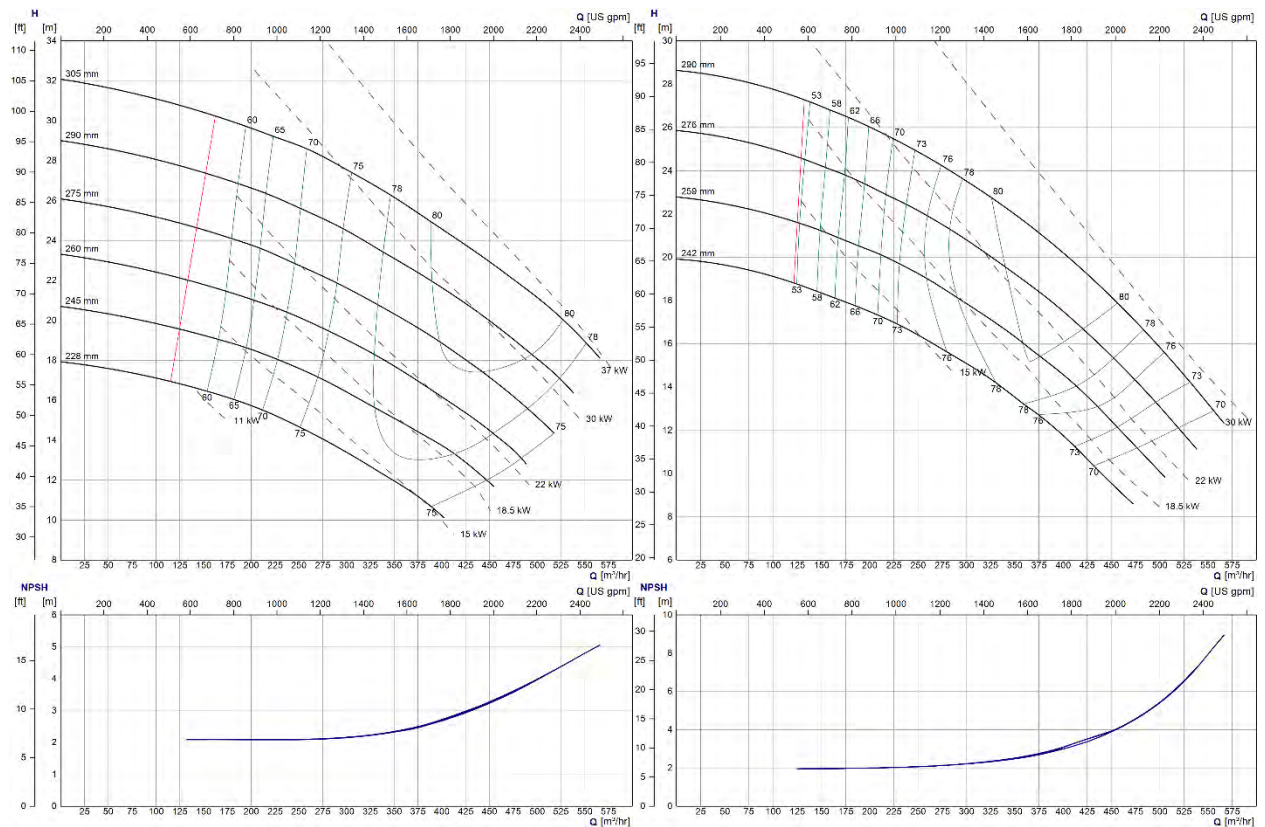
125-475 & 125-450 (5x8x19 & 5x8x18) – 1480 RPM



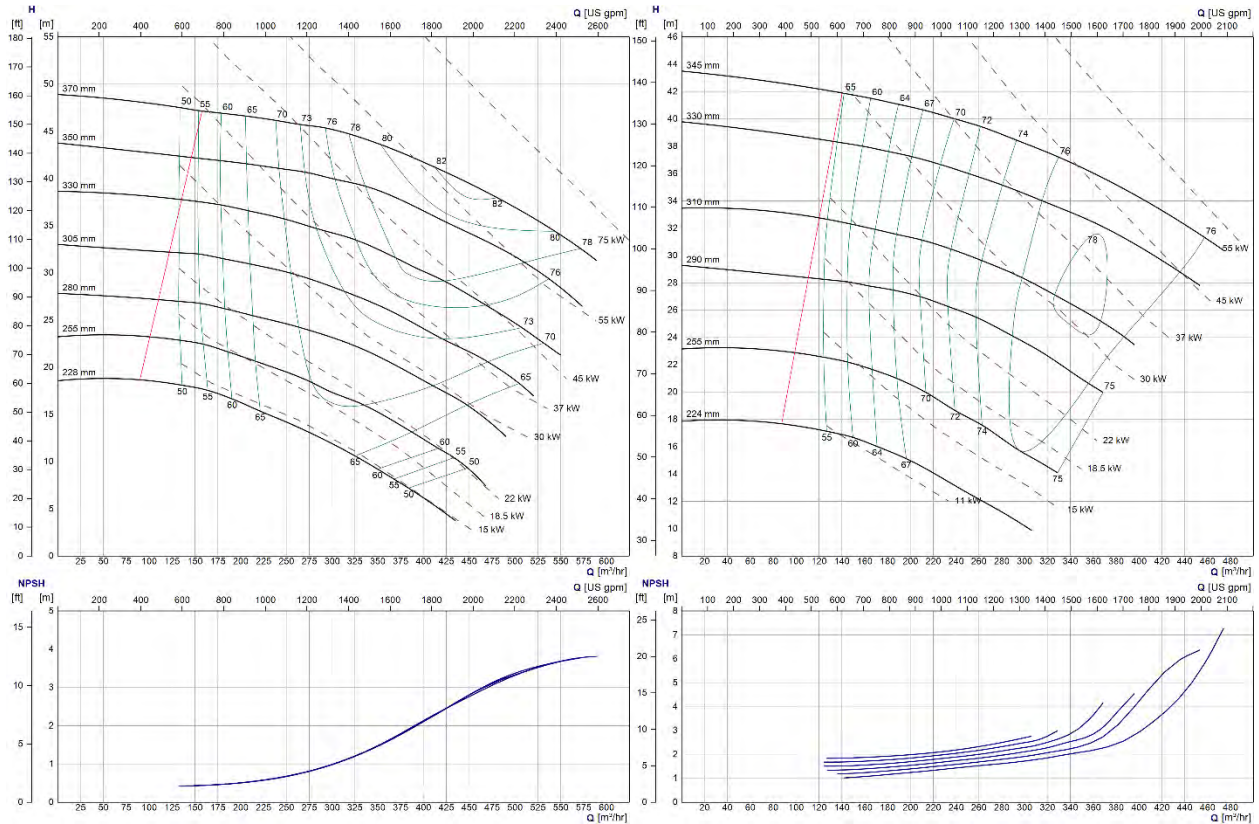
150-170 & 150-160 (6x8x6.5 & 6x8x6) – 1480 RPM



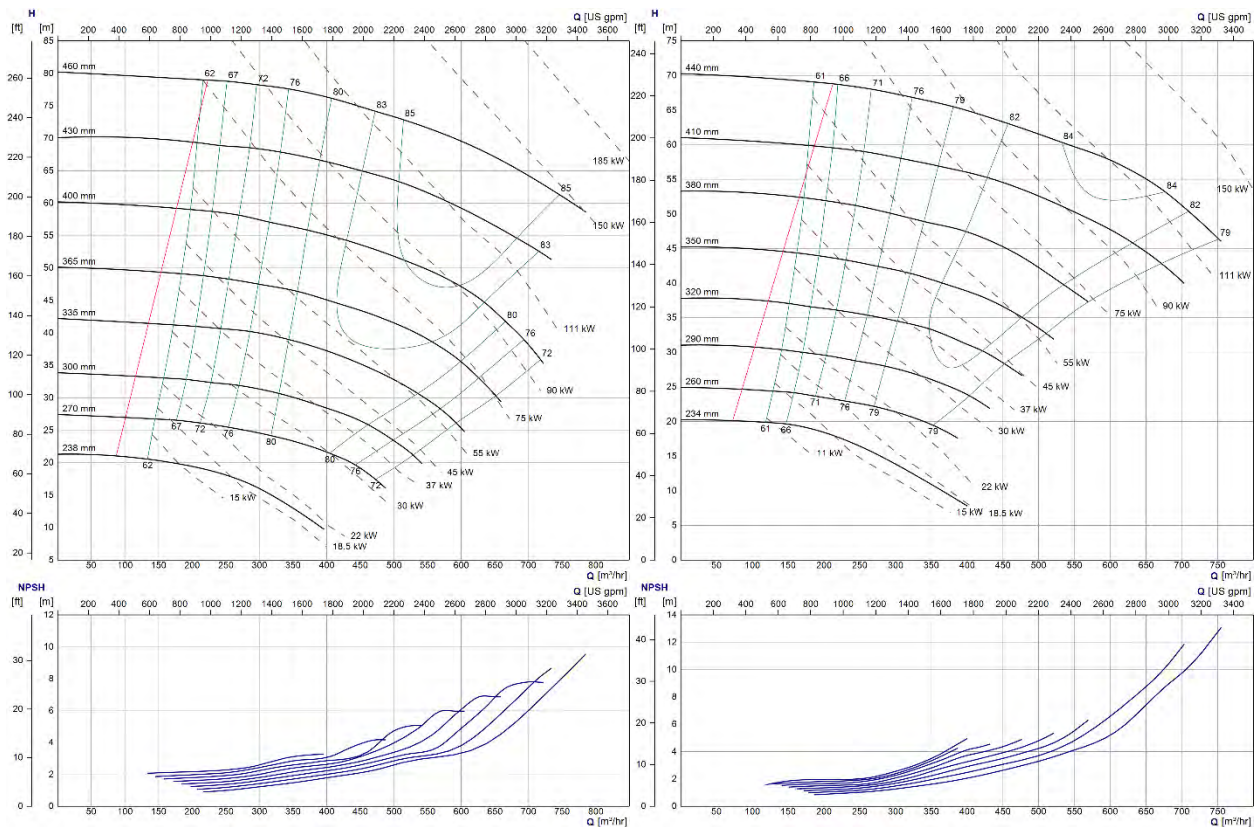
150-300 & 150-285 (6x8x12 & 6x8x11) – 1480 RPM



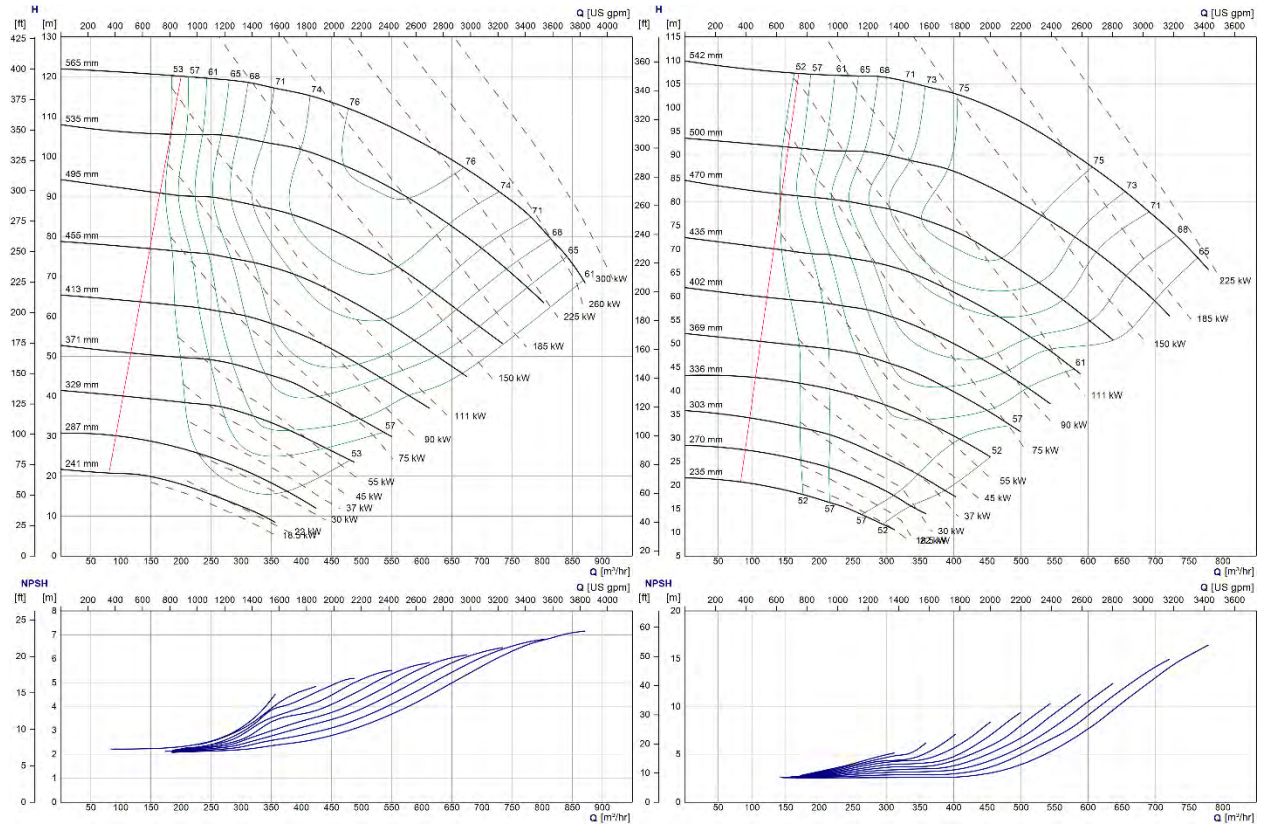
150-355 & 150-340 (6x8x14 & 6x8x13.5) – 1480 RPM



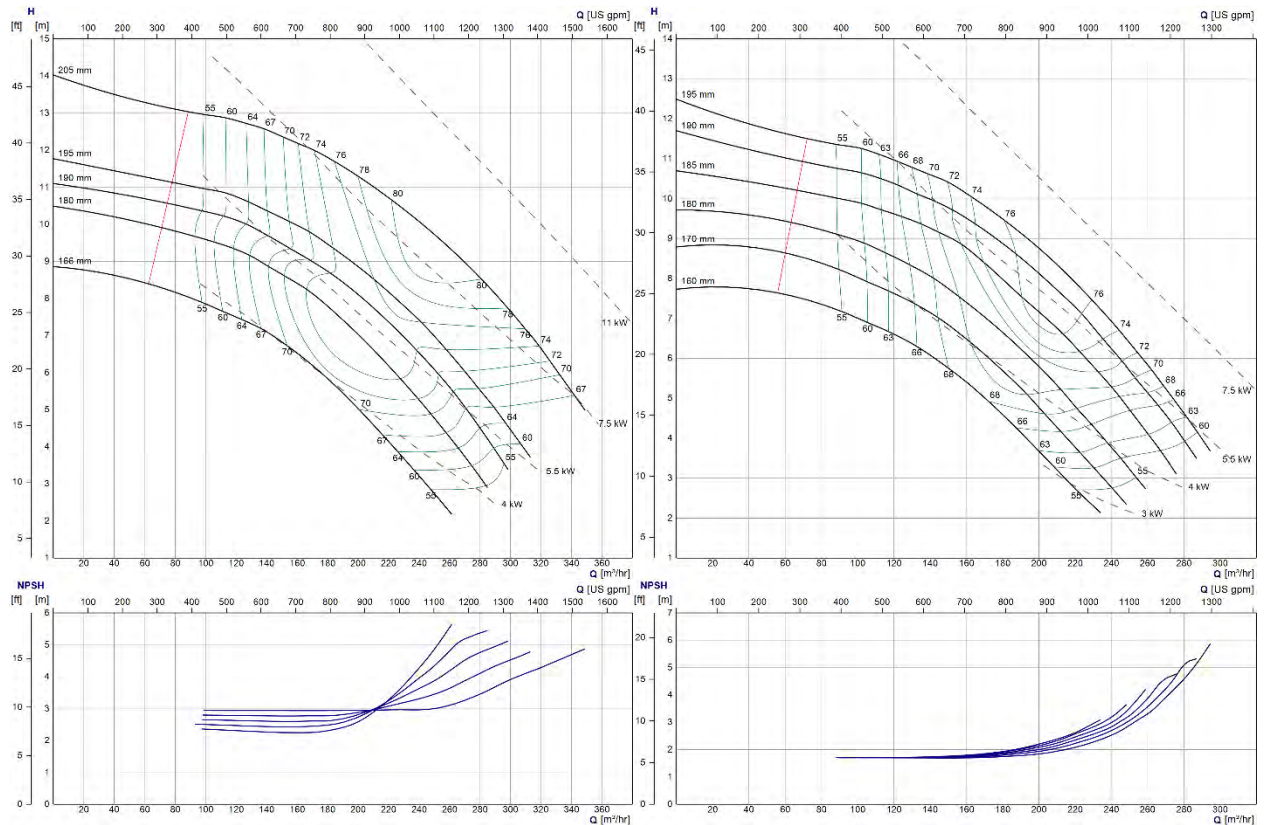
150-455 & 150-435 (6x8x18 & 6x8x17) – 1480 RPM



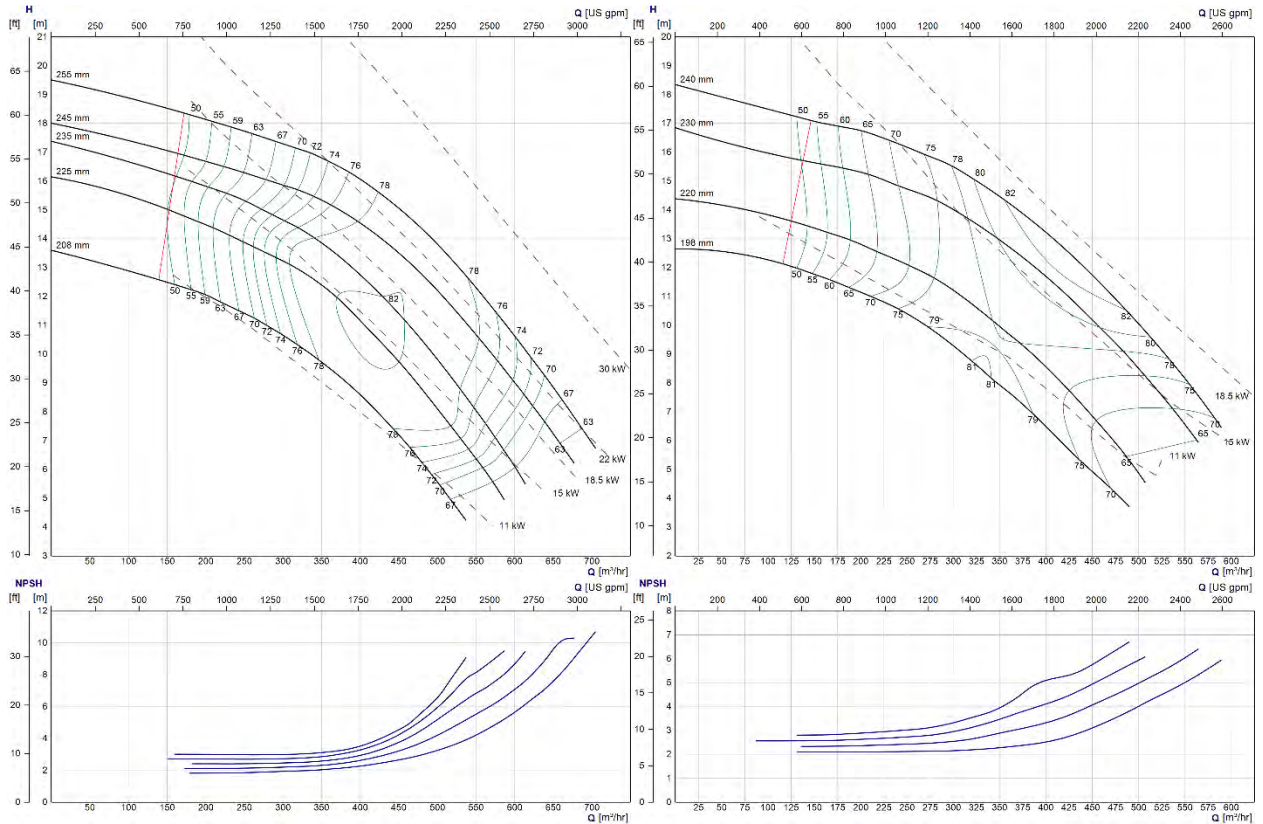
150-560 & 150-535 (6x8x22 & 6x8x21) – 1480 RPM



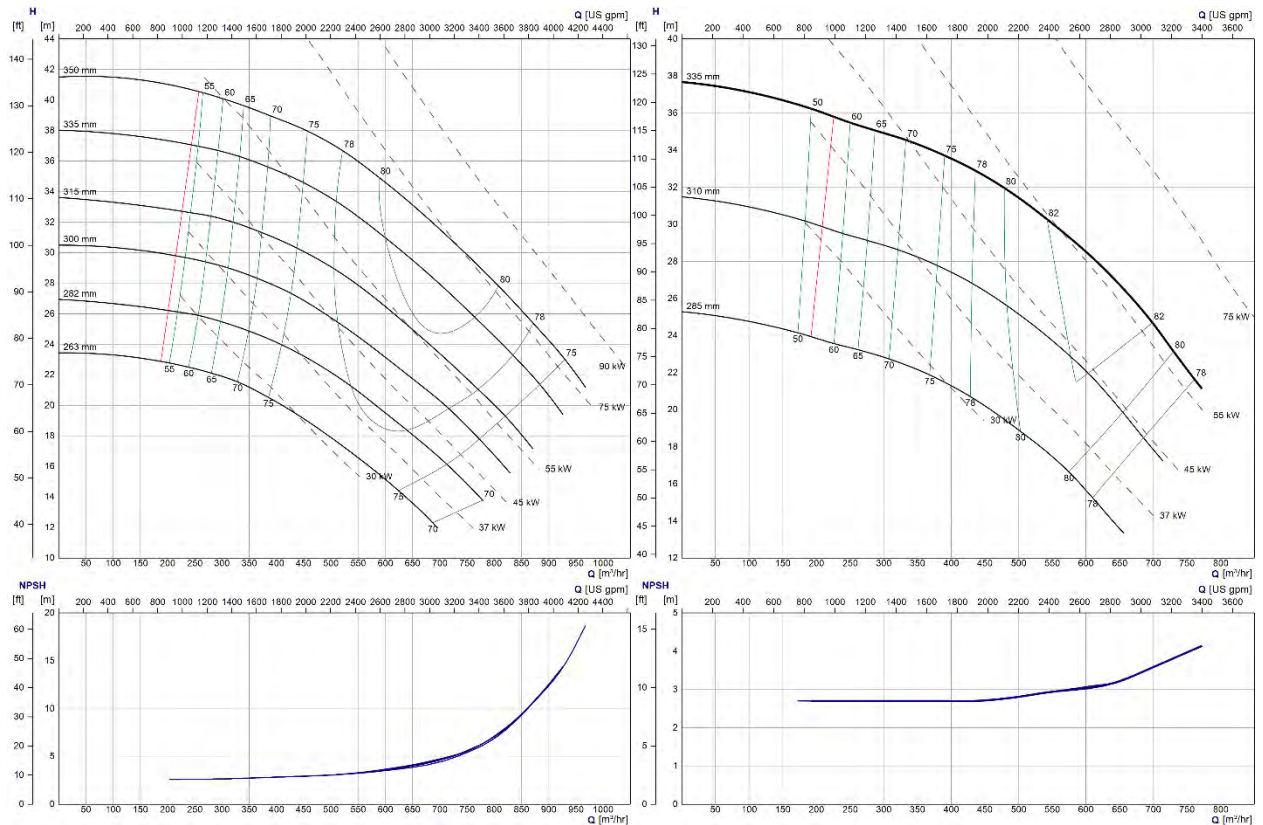
200-200 & 200-190 (8x8x8 & 8x8x7.5) – 1480 RPM



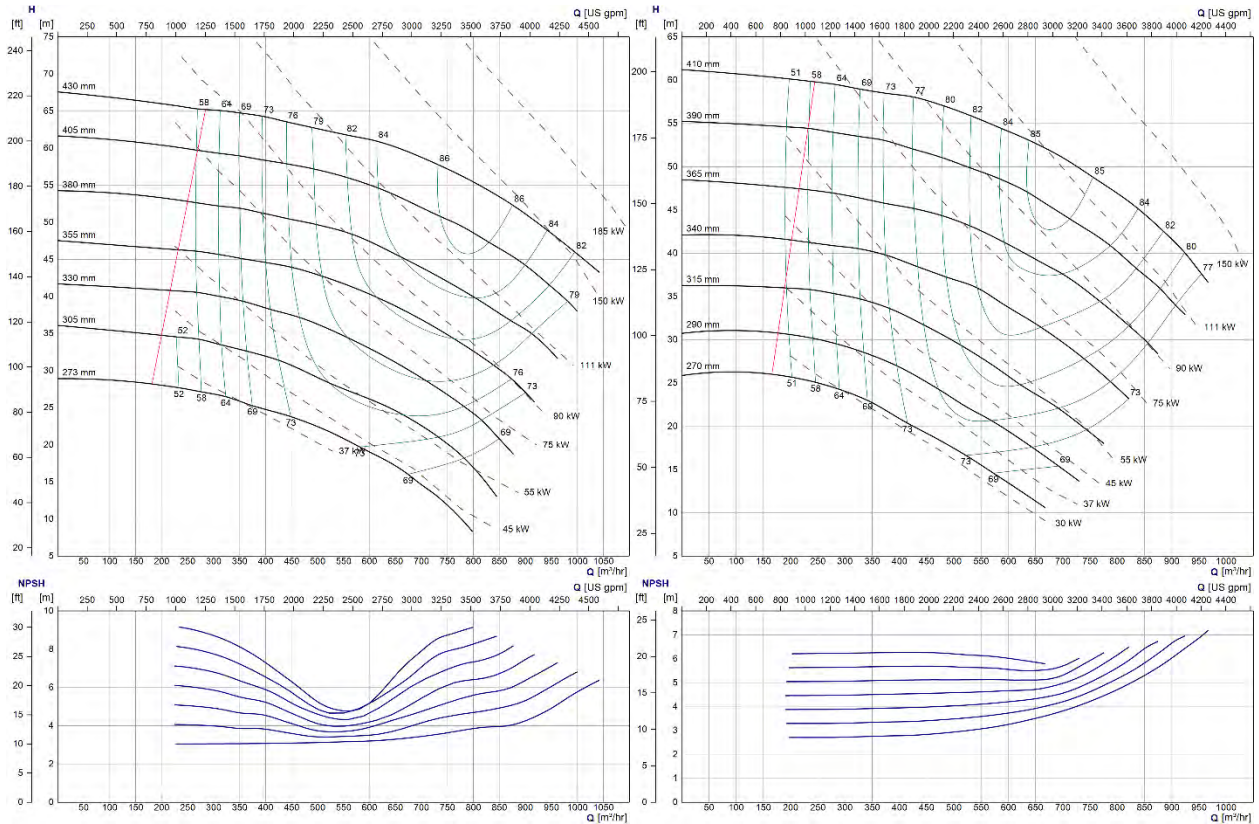
200-250 & 200-240 (8x10x10 & 8x10x9.5) – 1480 RPM



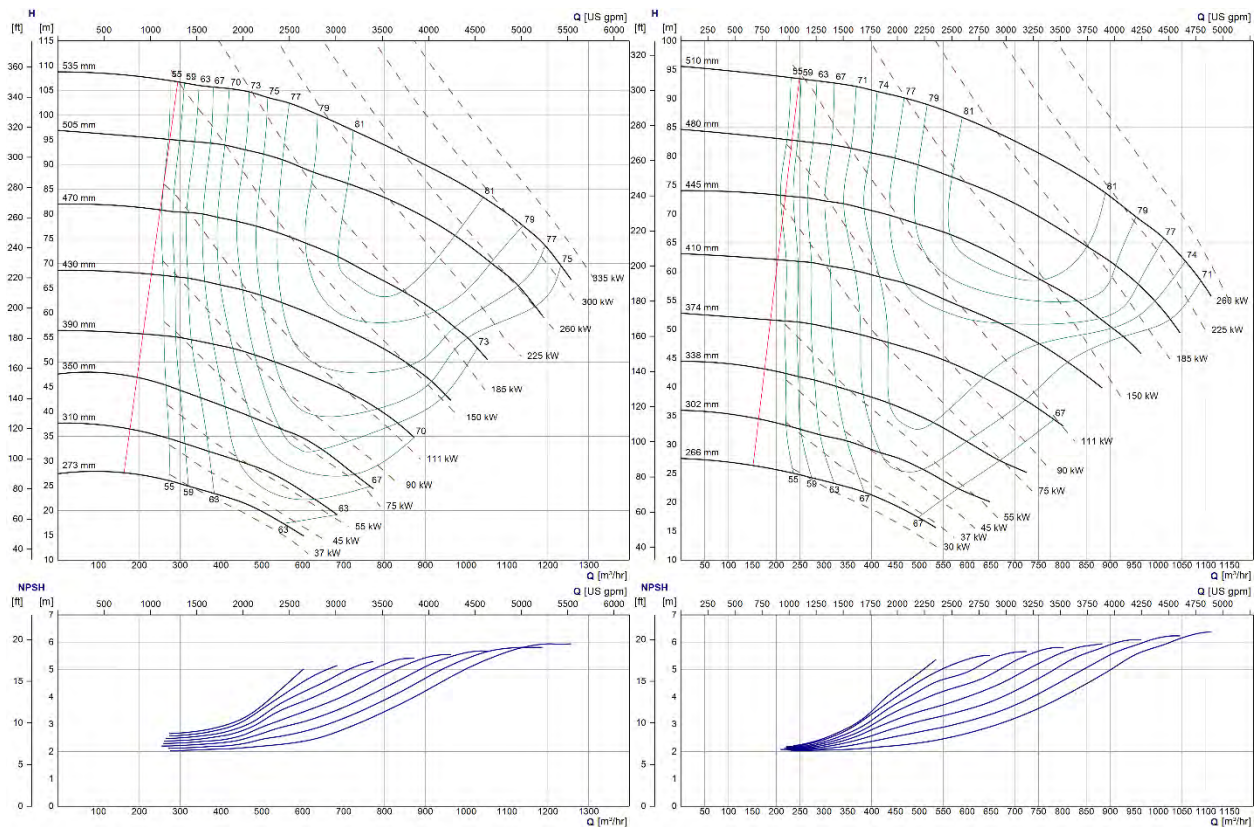
200-345 & 200-330 (8x10x13.5 & 8x10x13) – 1480 RPM



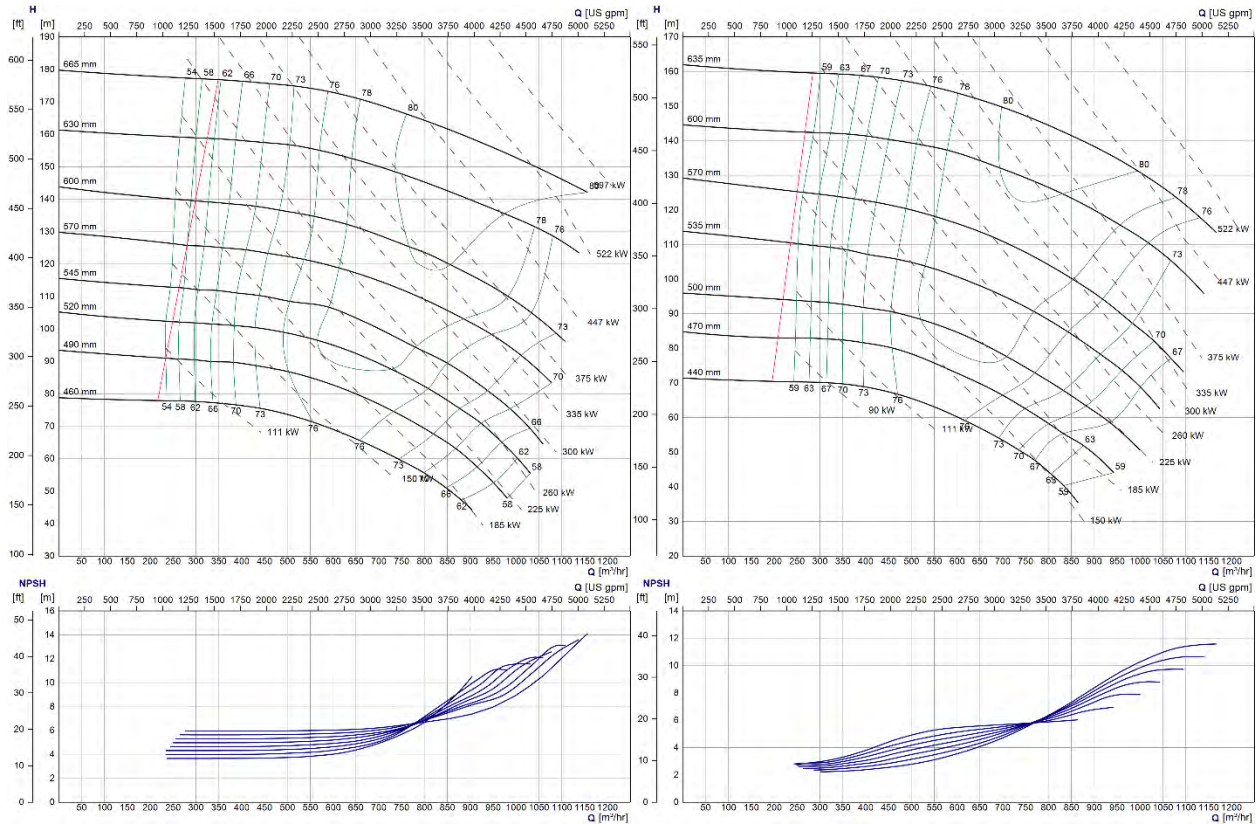
200-425 & 200-405 (8x10x17 & 8x10x16) – 1480 RPM



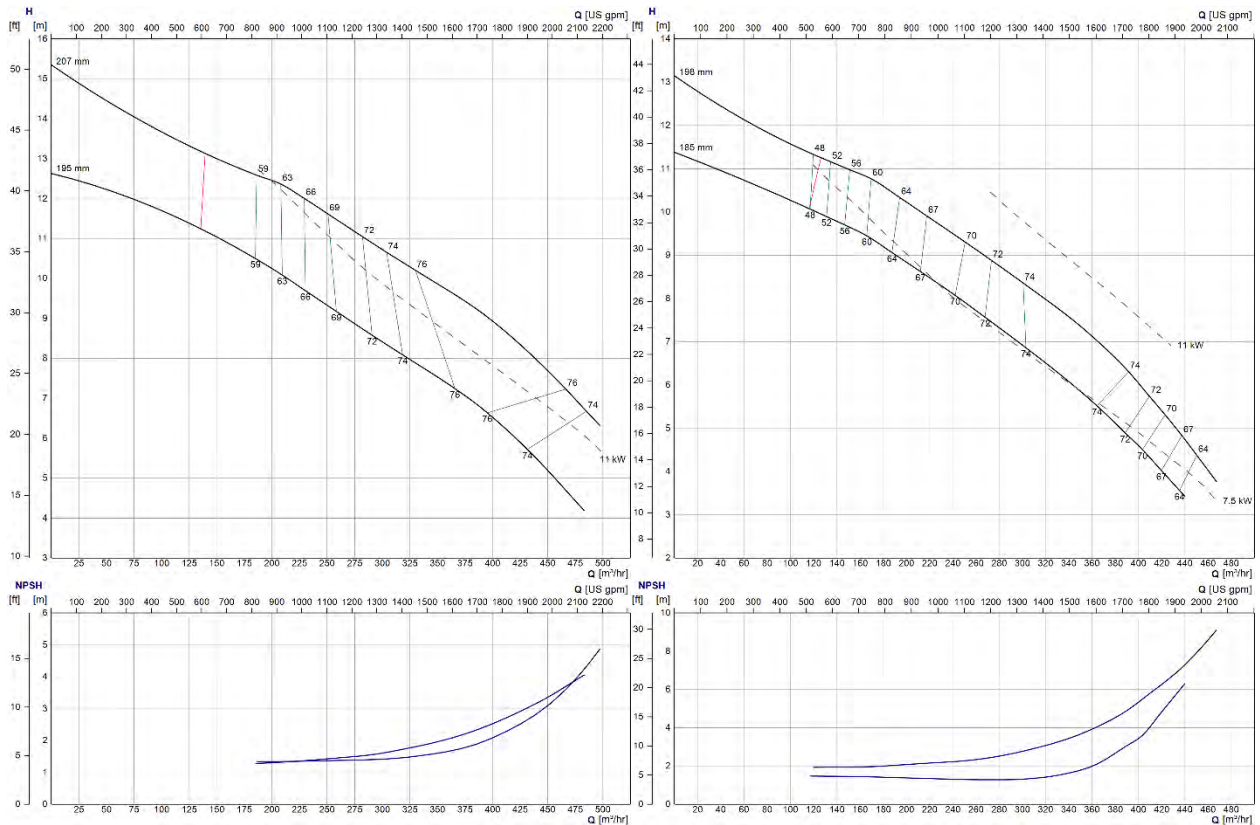
200-530 & 200-505 (8x10x21 & 8x10x20) – 1480 RPM



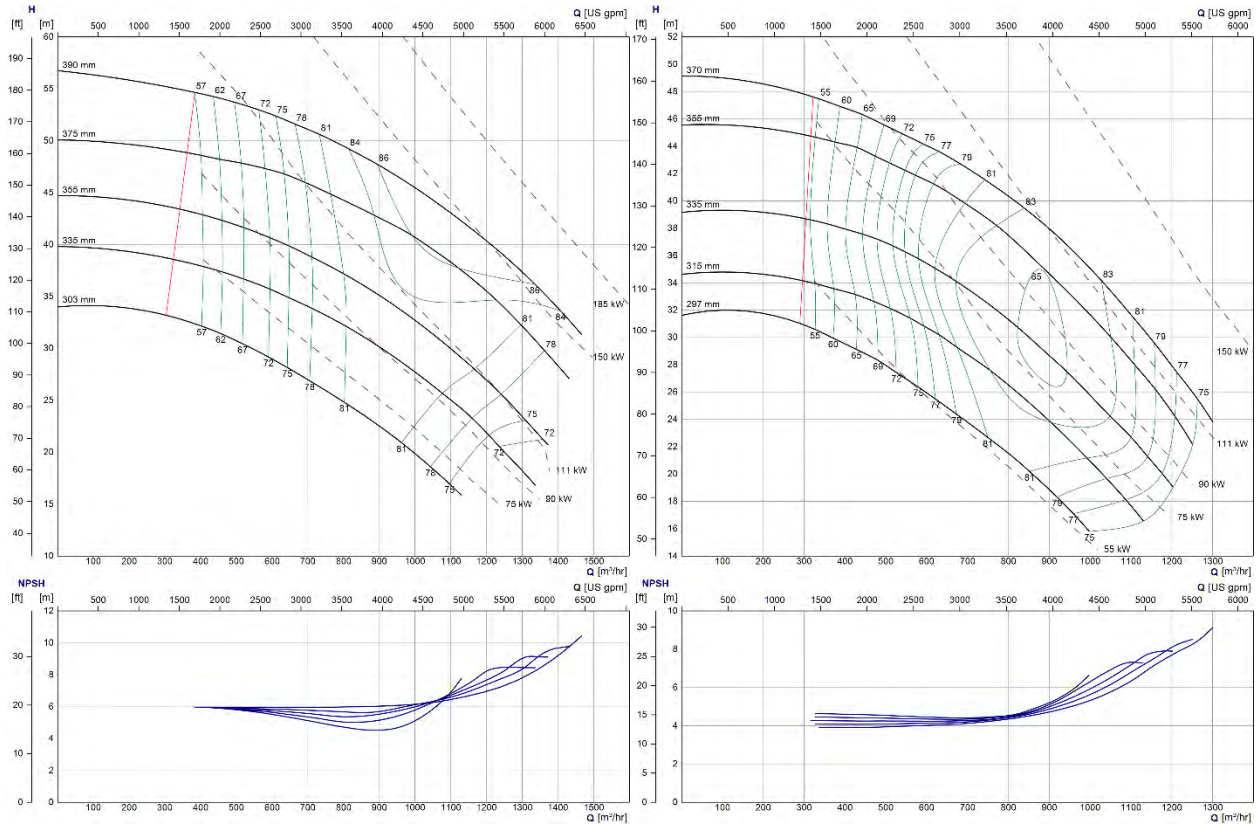
200-655 & 200-625 (8x10x26 & 8x10x25) – 1480 RPM



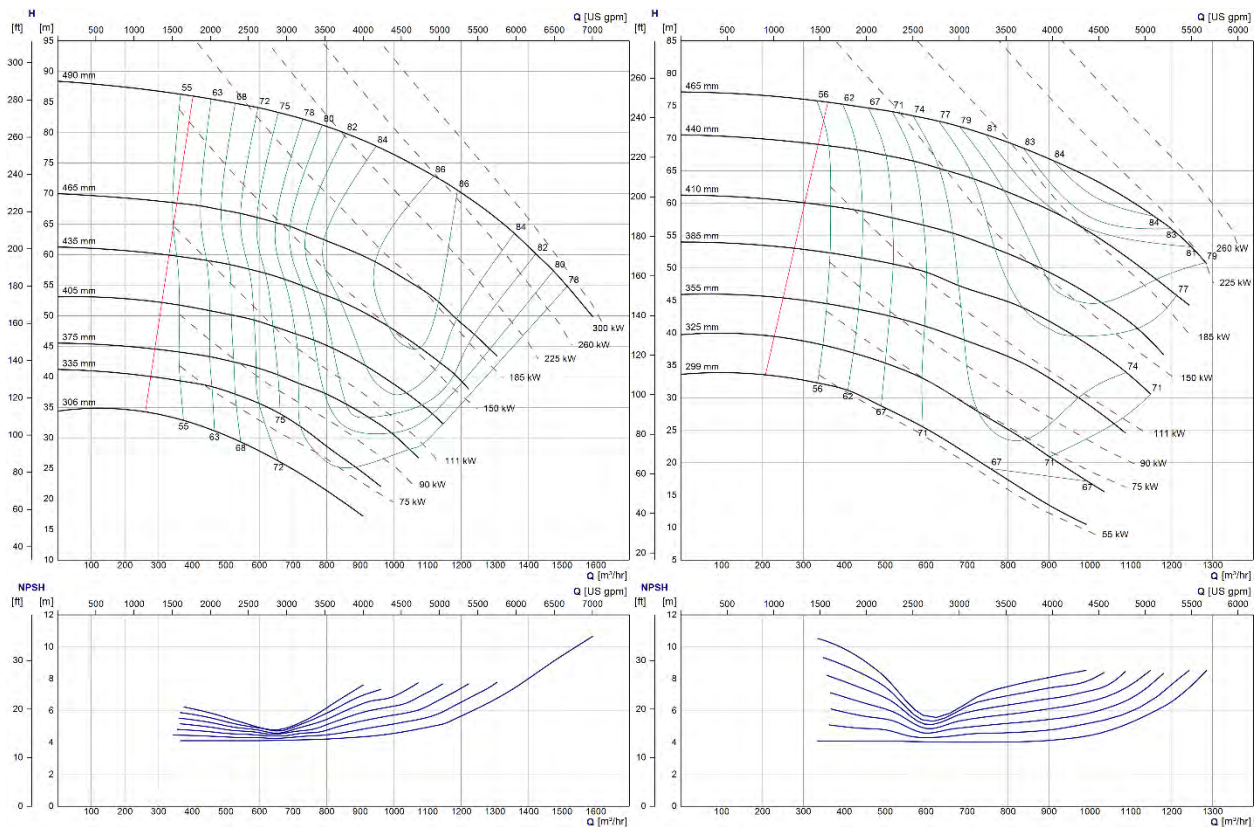
250-200 & 250-190 (10x10x8 & 10x10x7.5) – 1480 RPM



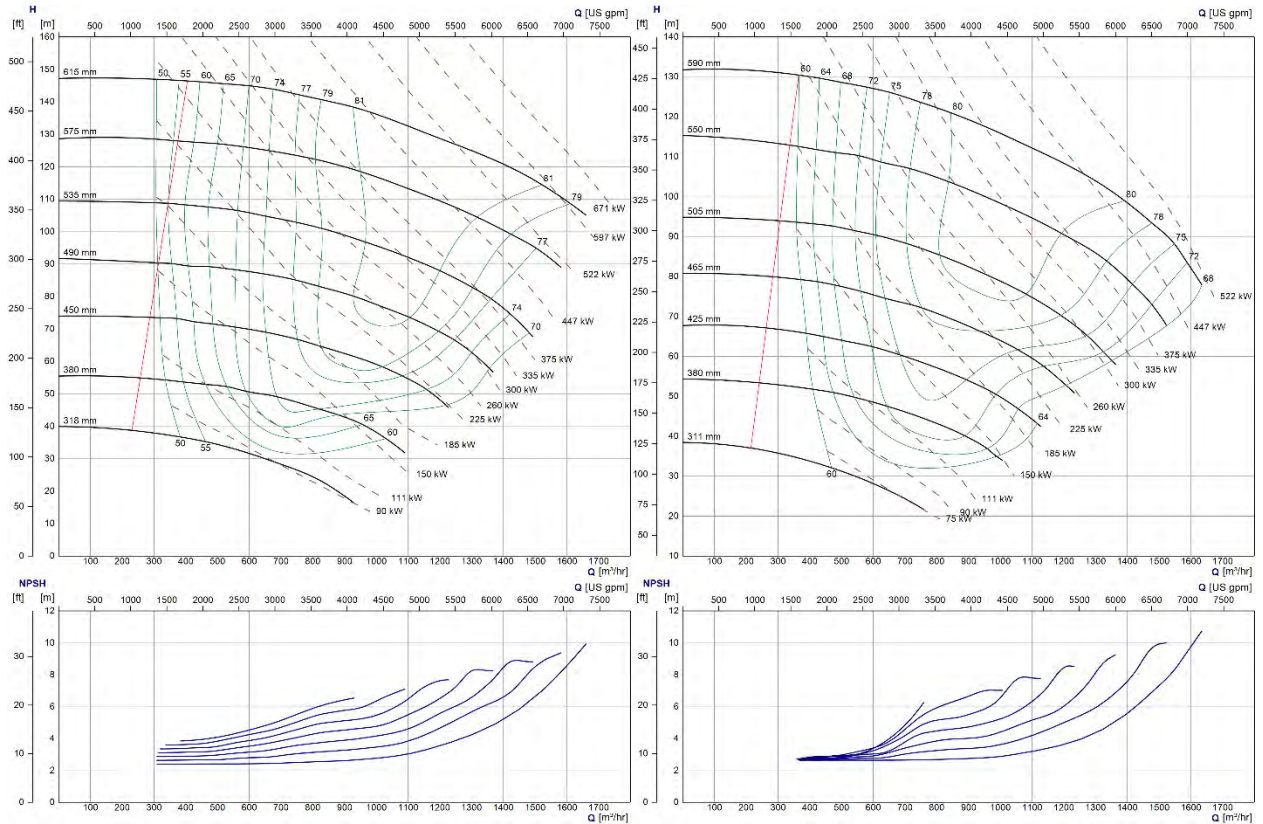
250-390 & 250-370 (10x12x15.5 & 10x12x14.5) – 1480 RPM



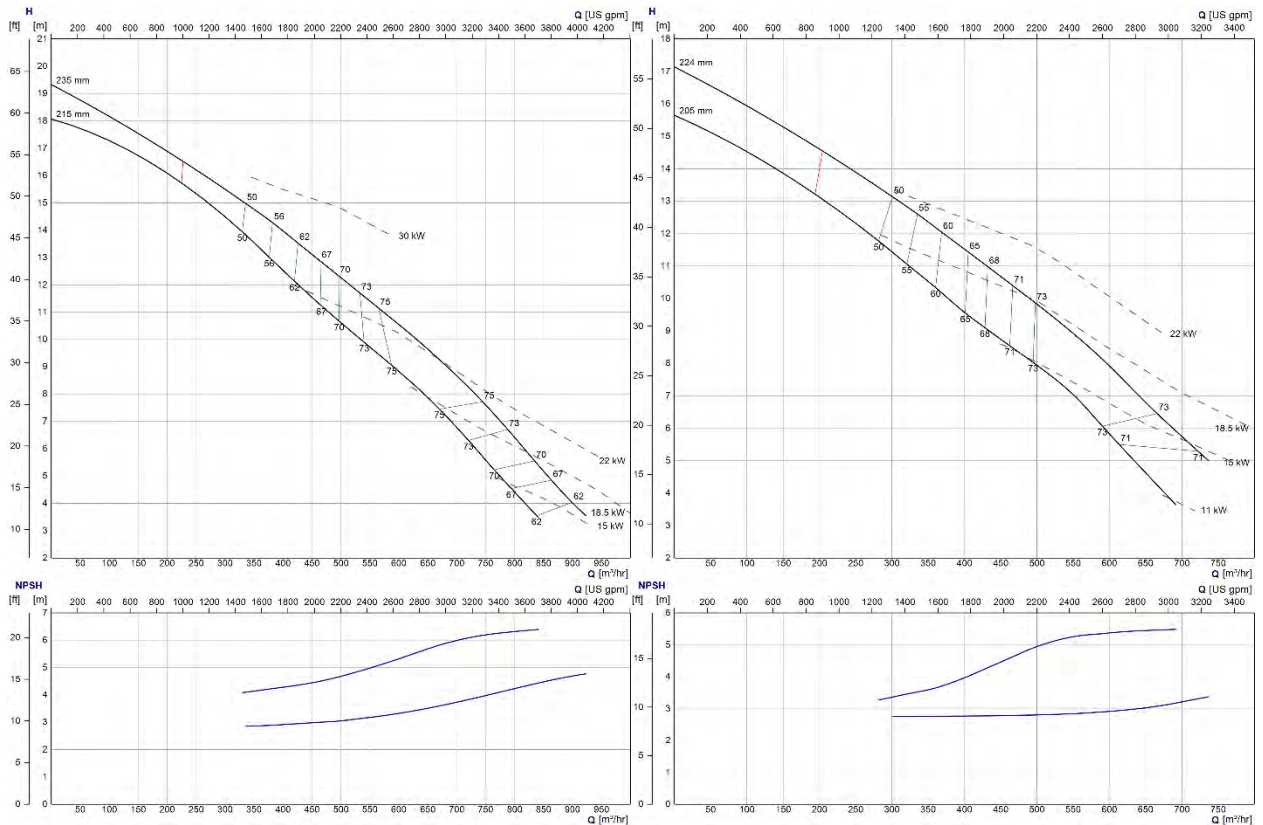
250-480 & 250-455 (10x12x19 & 10x12x18) – 1480 RPM



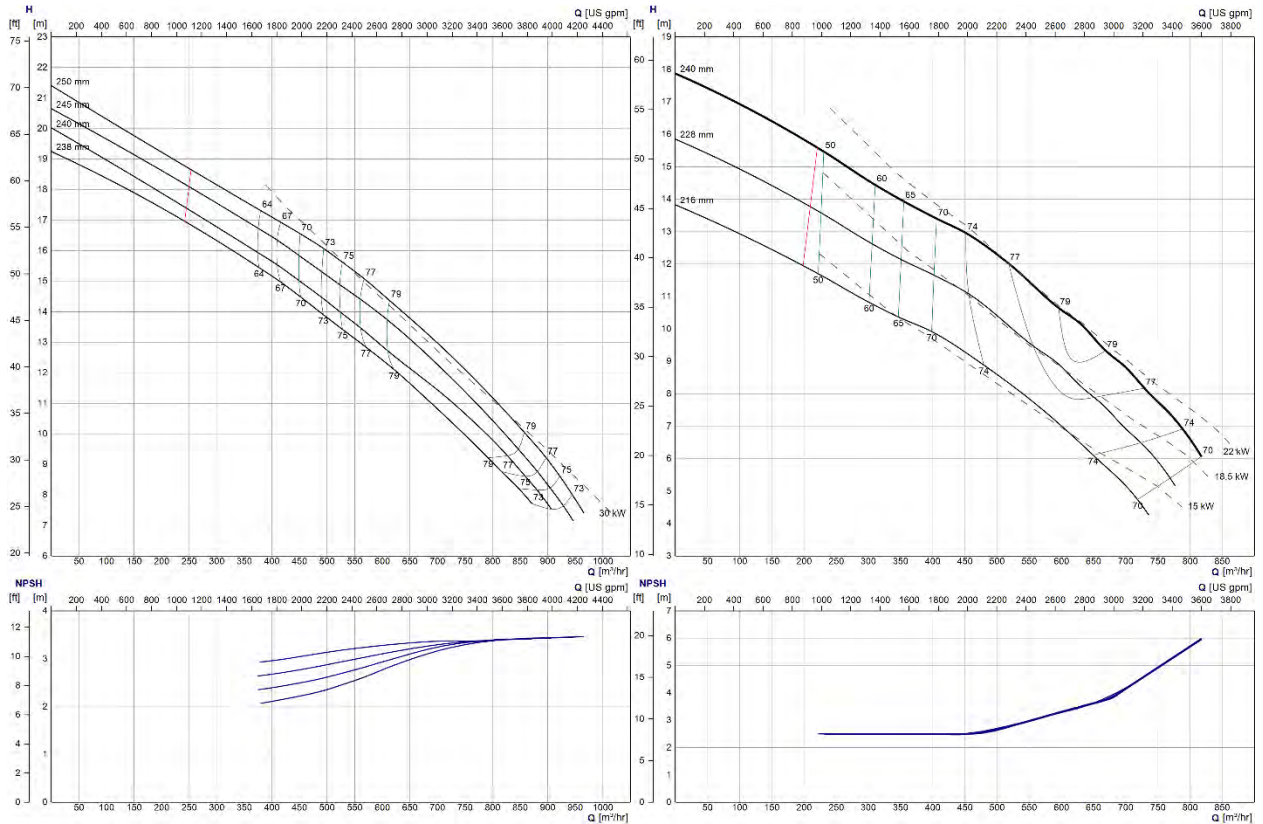
250-610 & 250-580 (10x12x24 & 10x12x23) – 1480 RPM



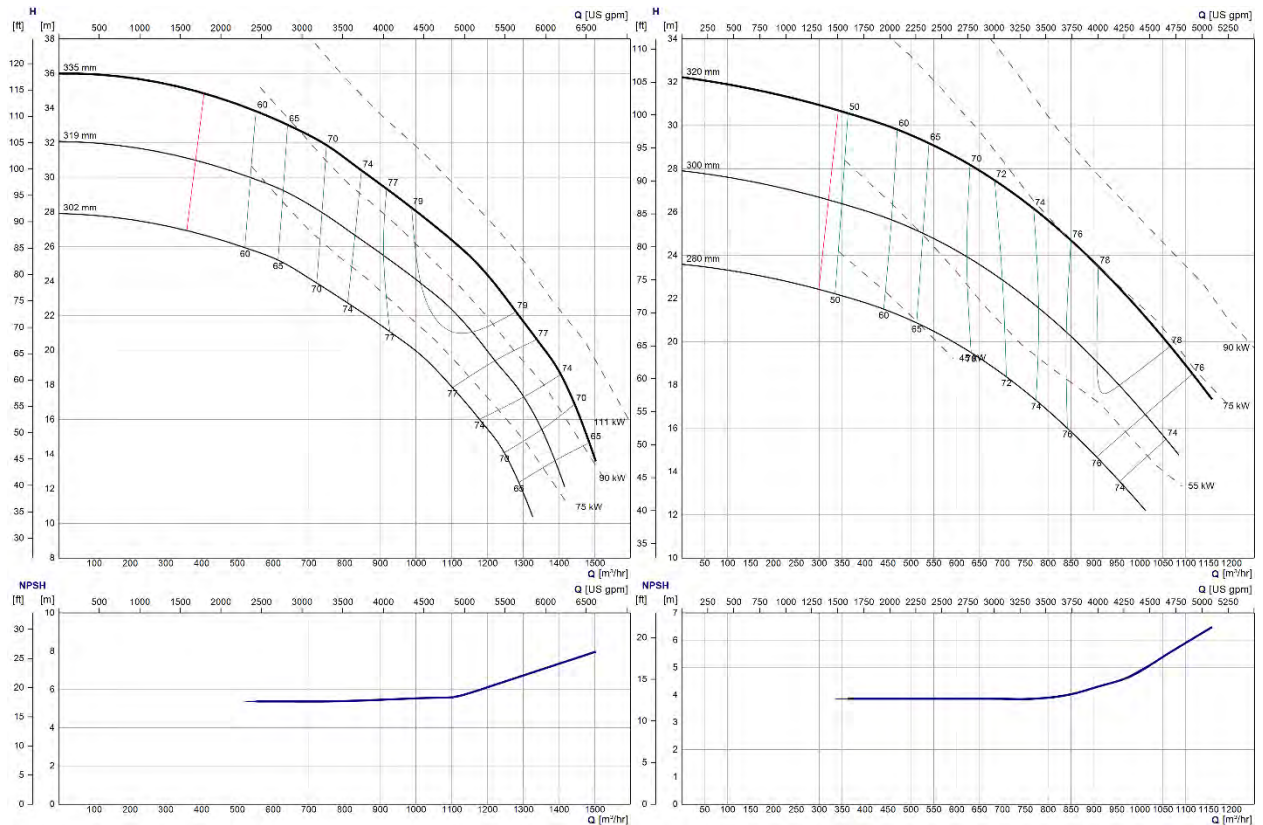
300-225 & 300-215 (12x12x9 & 12x12x8.5) – 1480 RPM



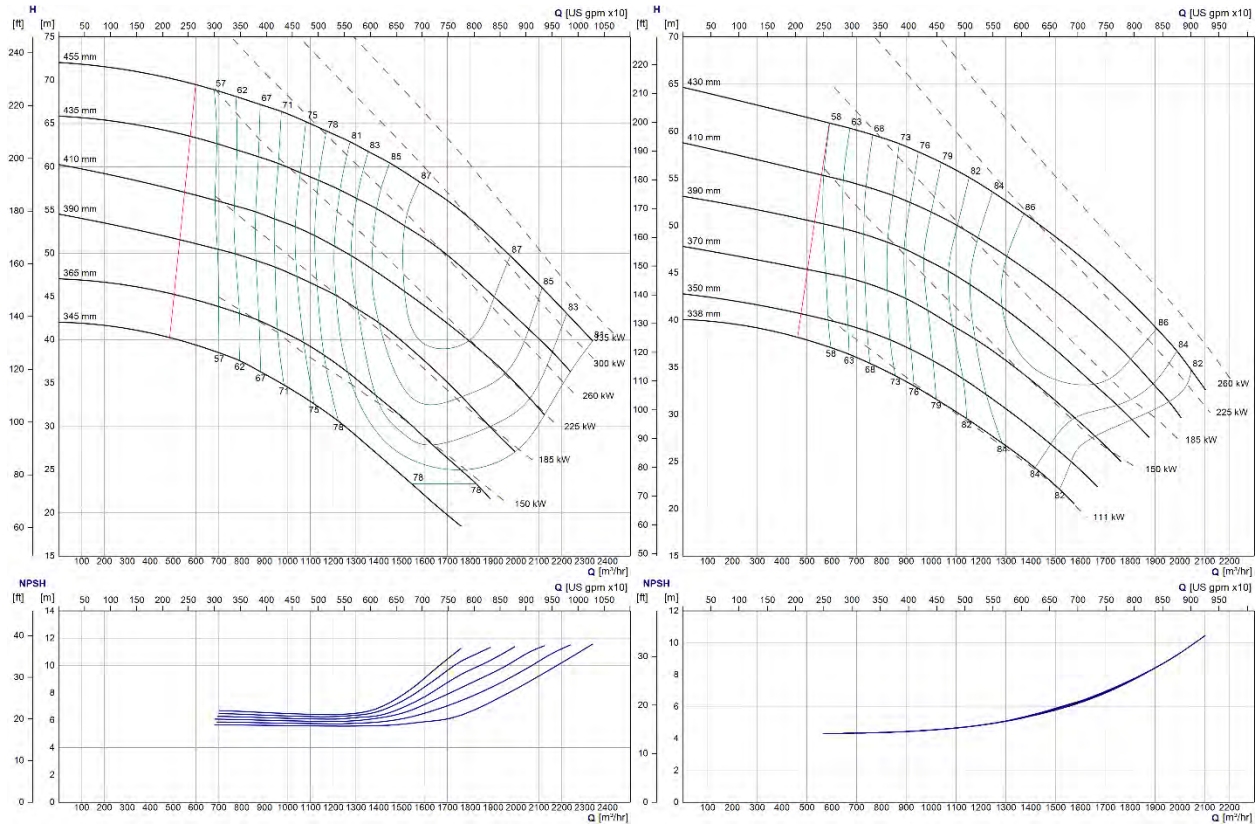
300-255 & 300-245 (12x12x10 & 12x12x9.5) – 1480 RPM



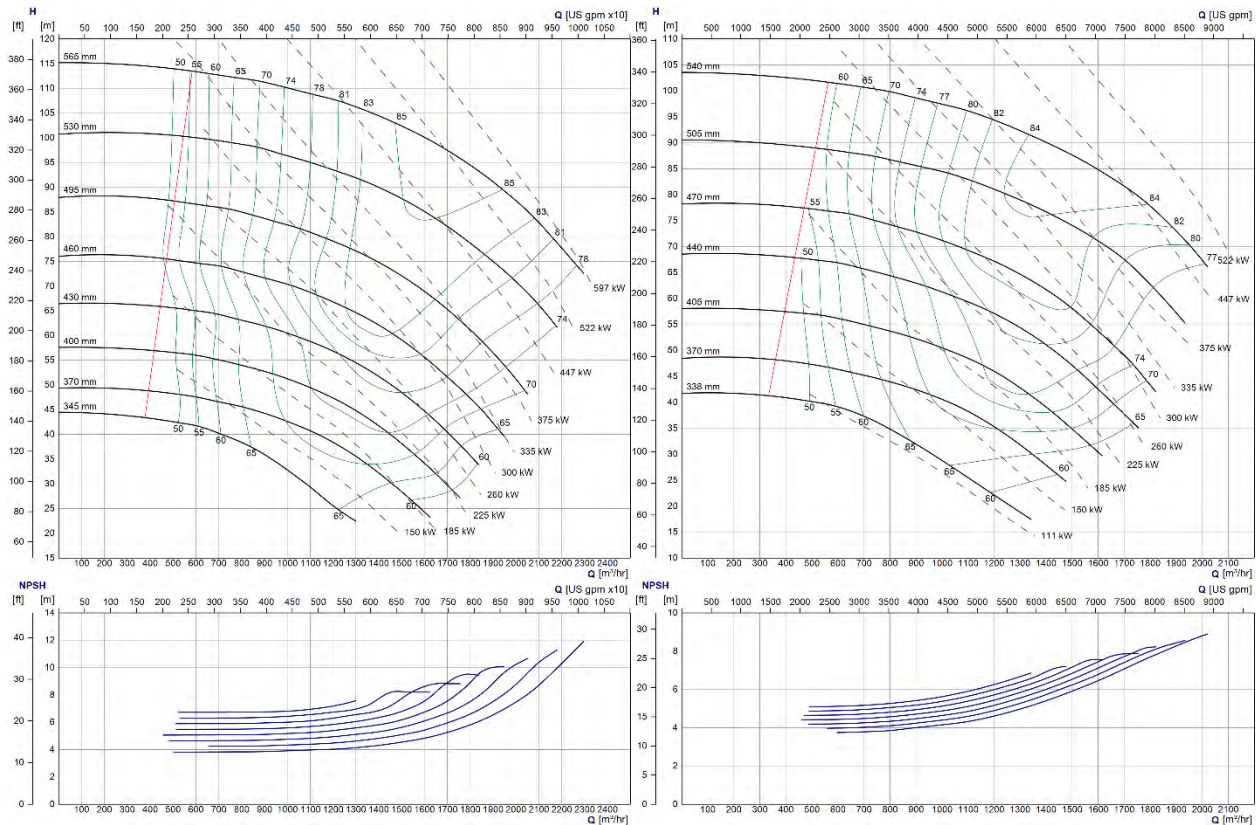
300-330 & 300-315 (12x14x13 & 12x14x12.5) – 1480 RPM



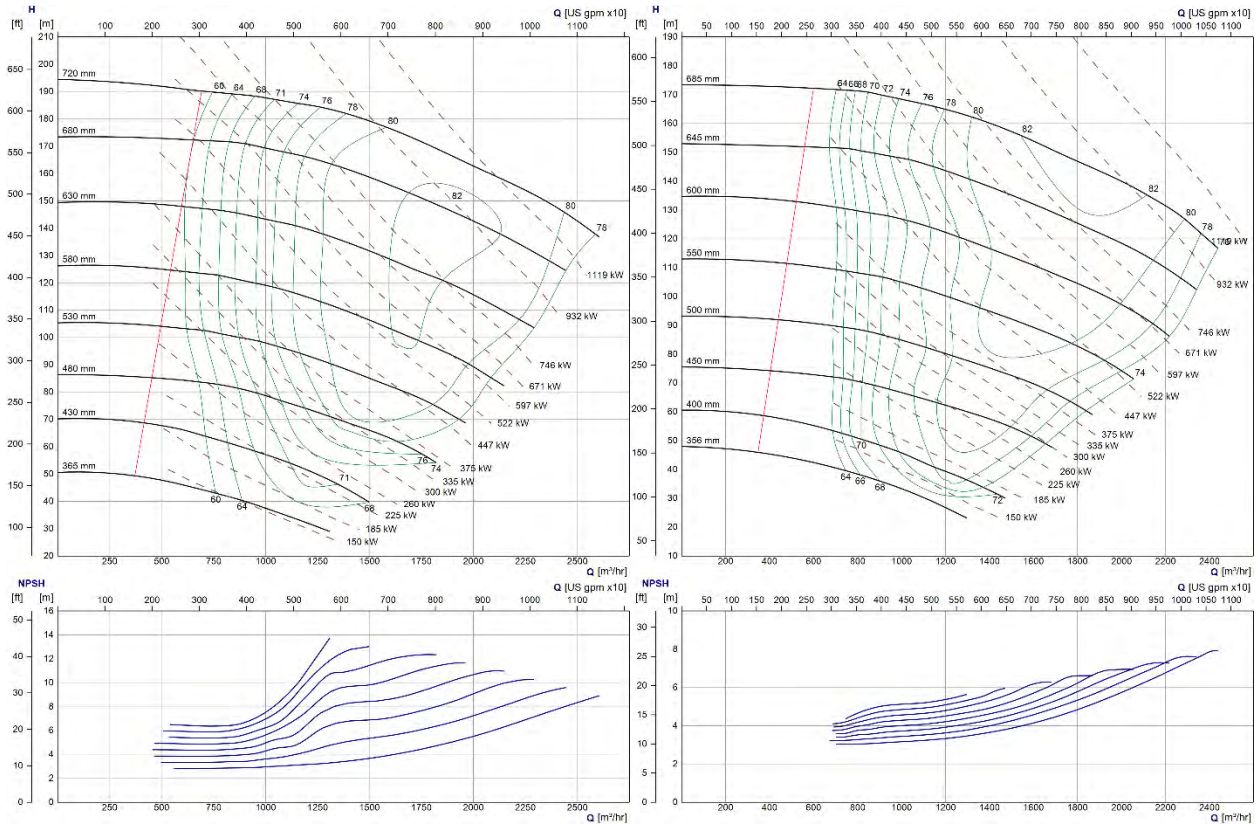
300-450 & 300-430 (12x16x18 & 12x16x17)– 1480 RPM



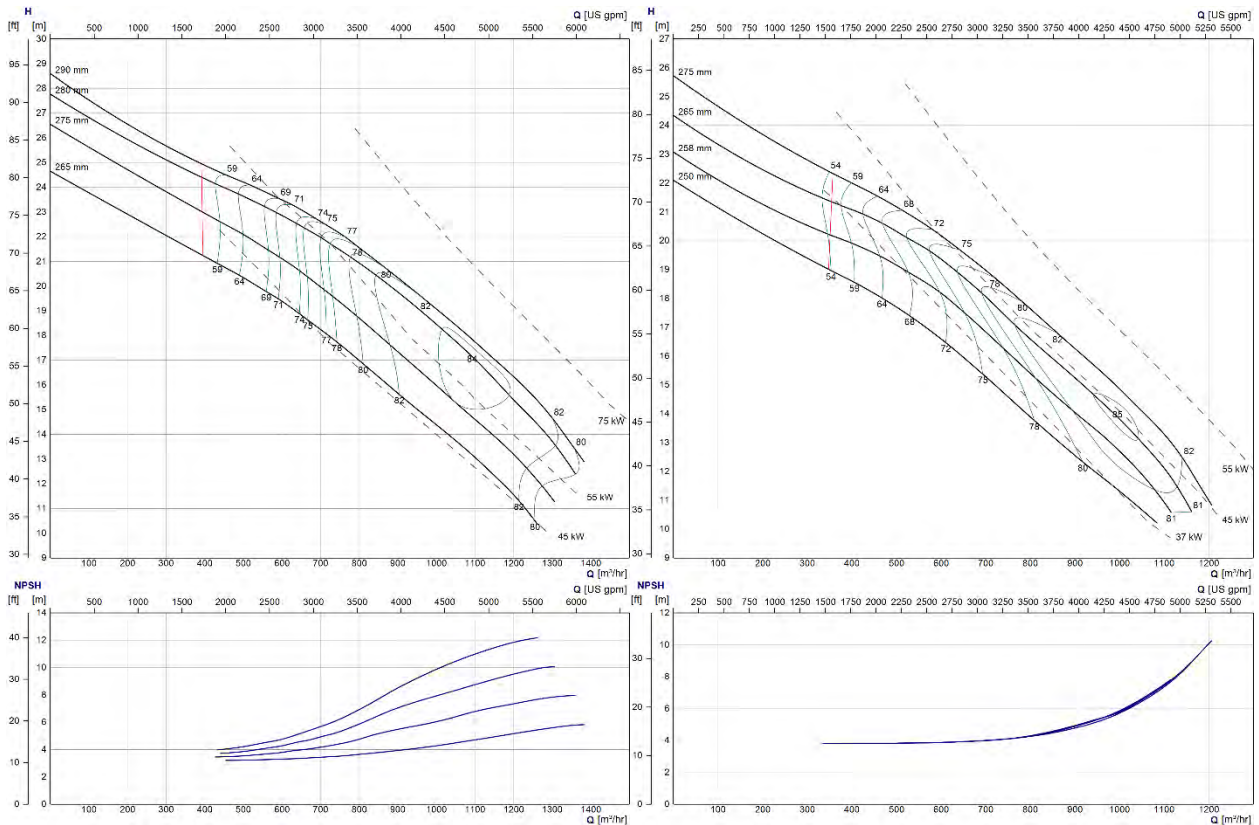
300-550 & 300-525 (12x16x22 & 12x16x21)– 1480 RPM



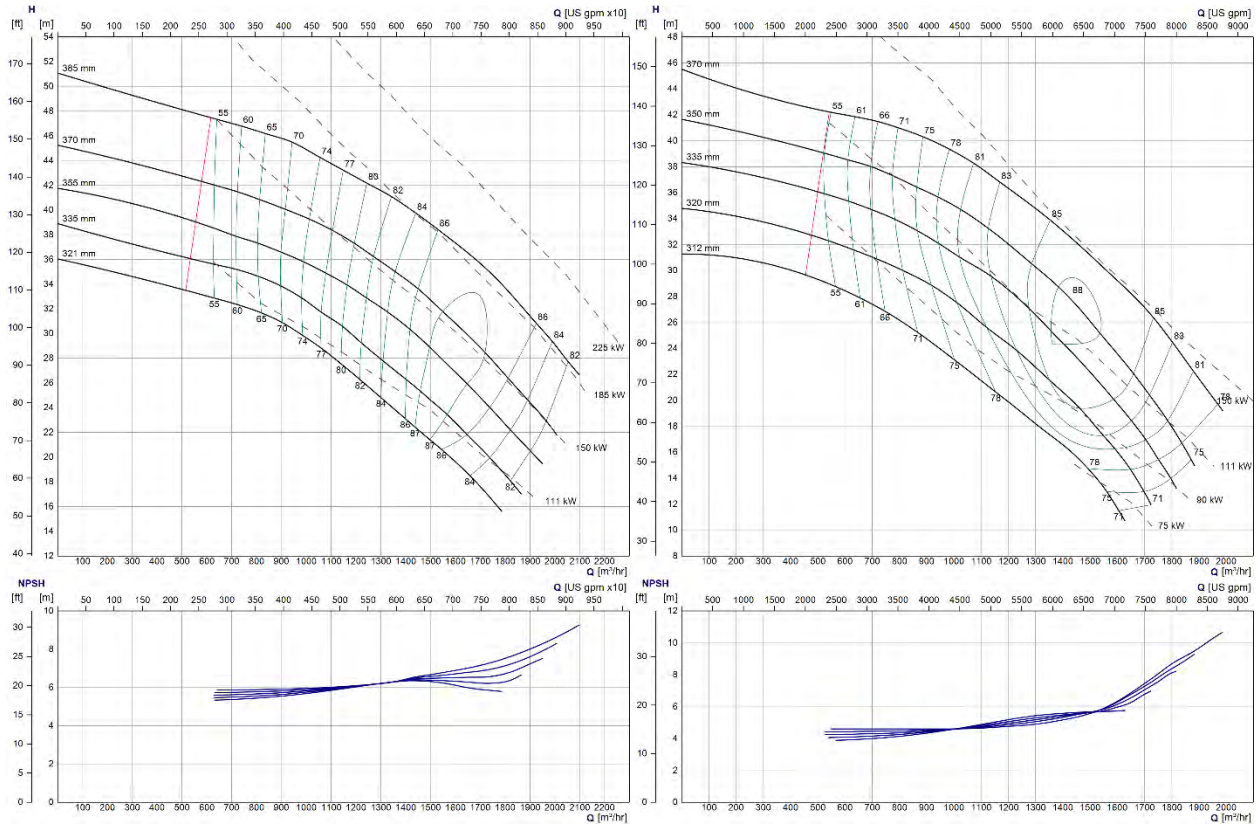
300-705 & 300-680 (12x16x28 & 12x16x27)– 1480 RPM



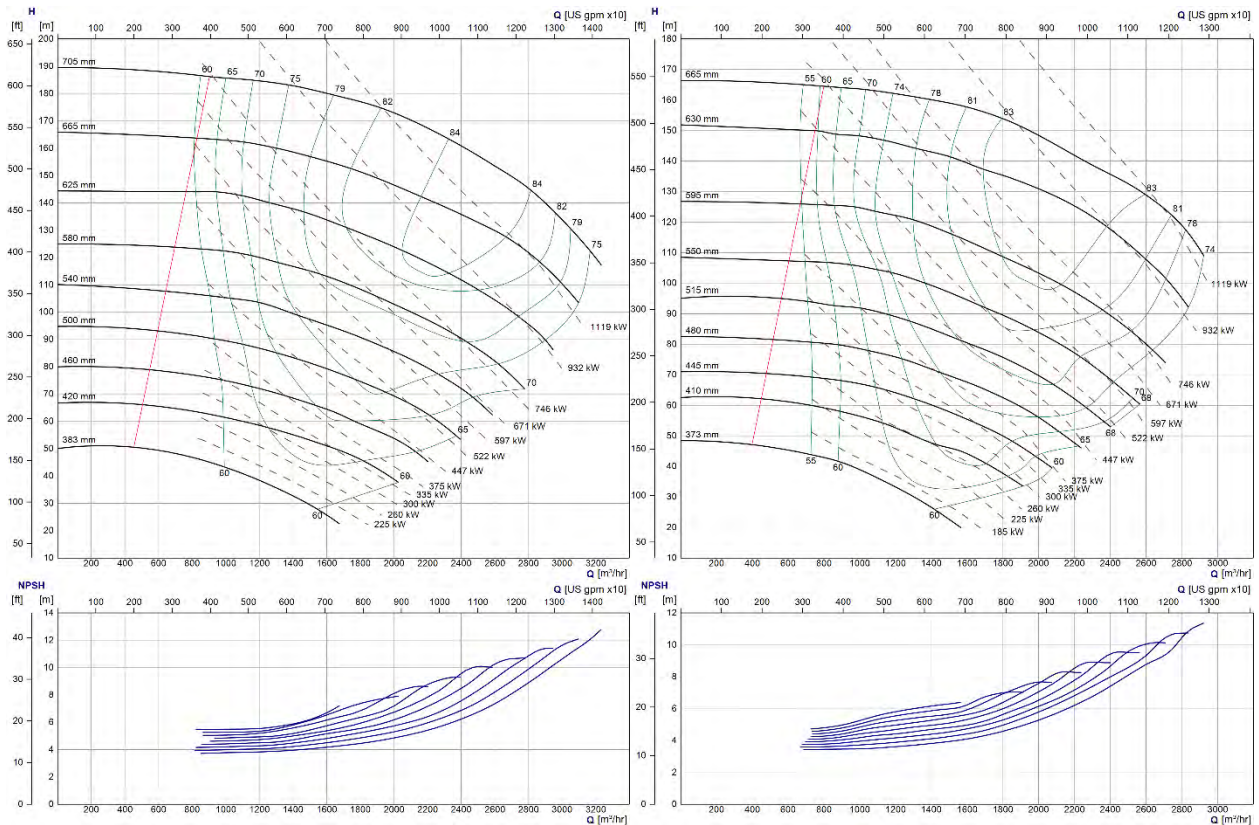
350-300 & 350-285 (14x14x12 & 14x14x11)– 1480 RPM



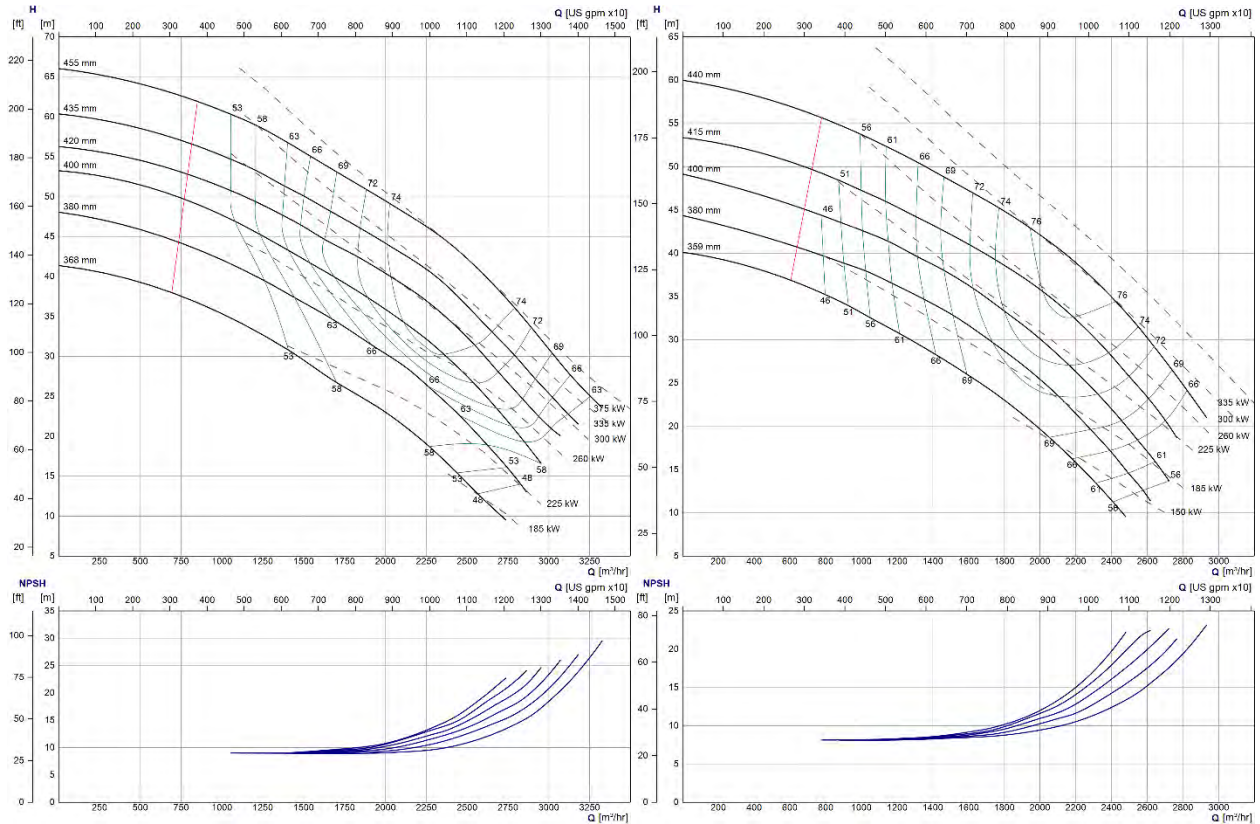
350-385 & 350-365 (14x16x15 & 14x16x14.5) – 1480 RPM



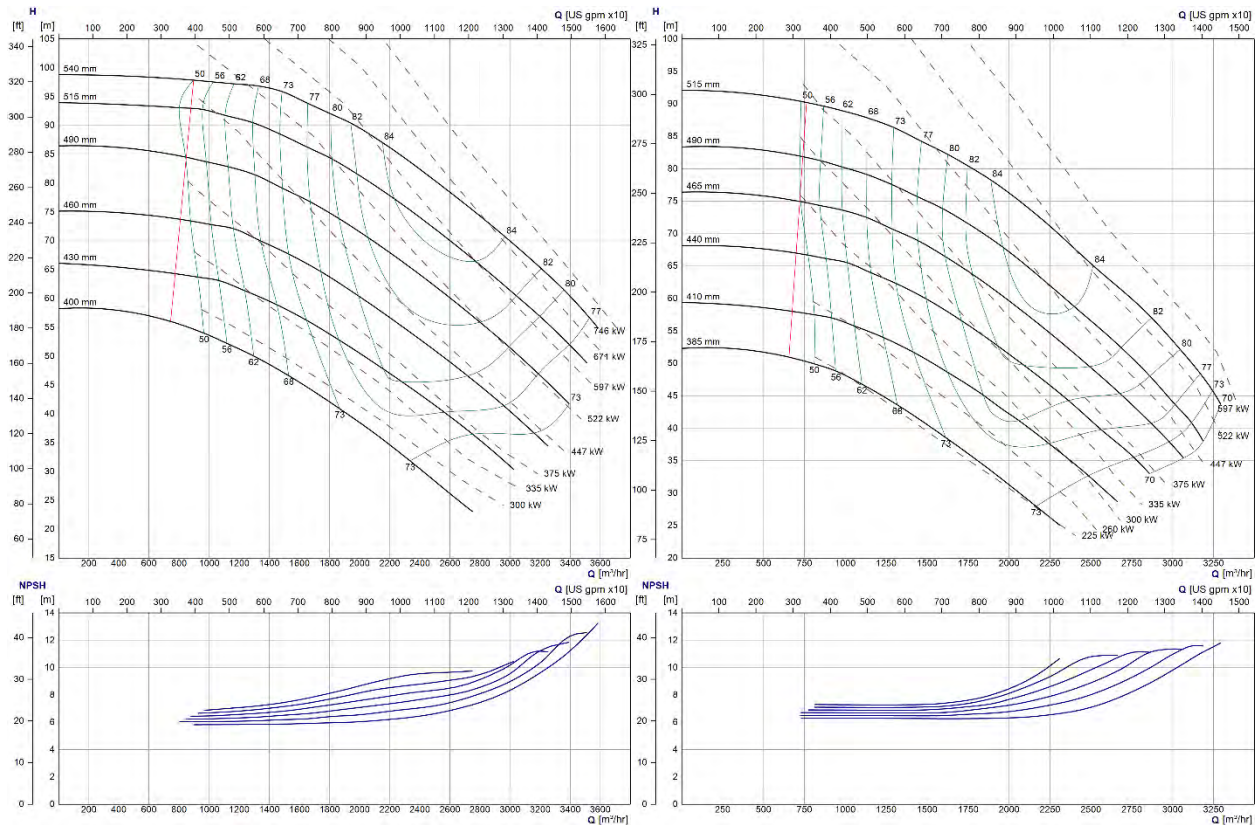
350-690 & 350-655 (14x16x27.5 & 14x16x26) – 1480 RPM



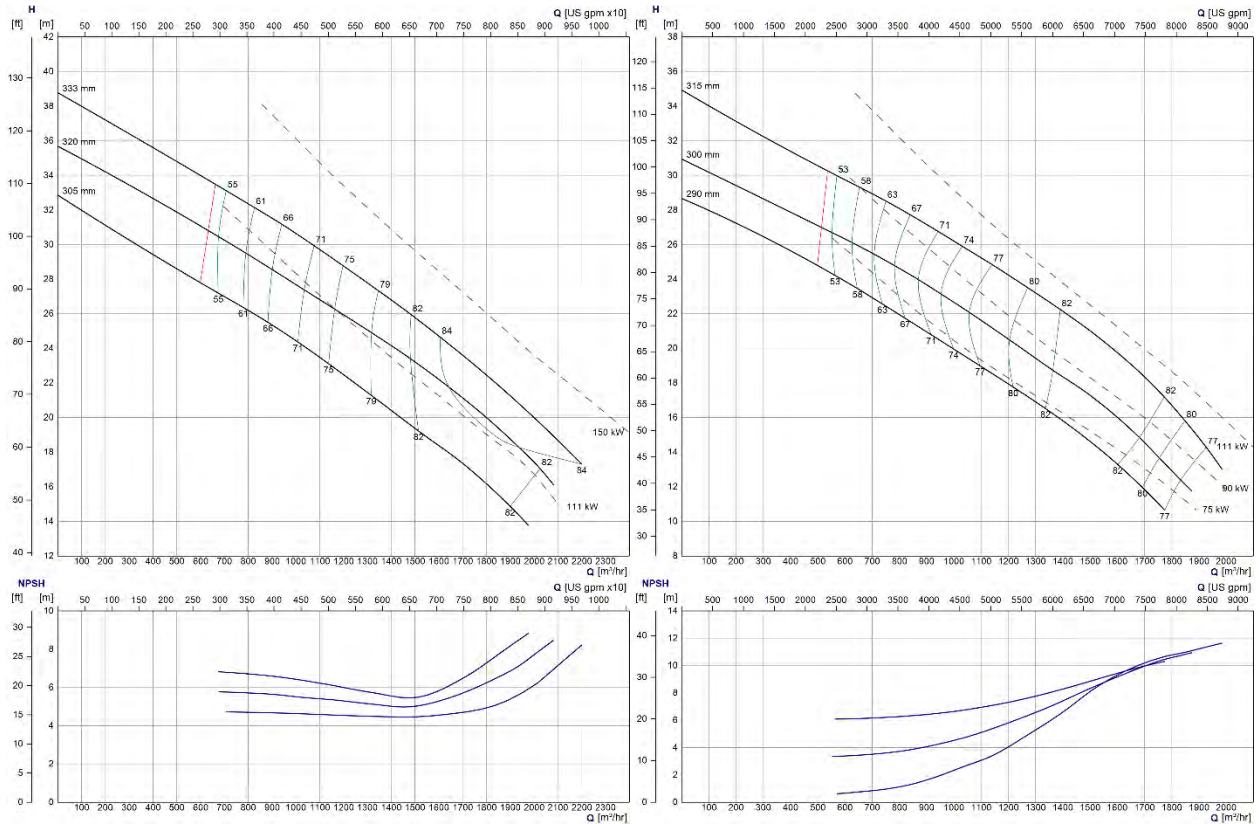
350-450 & 350-430 (14x18x18 & 14x18x17) – 1480 RPM



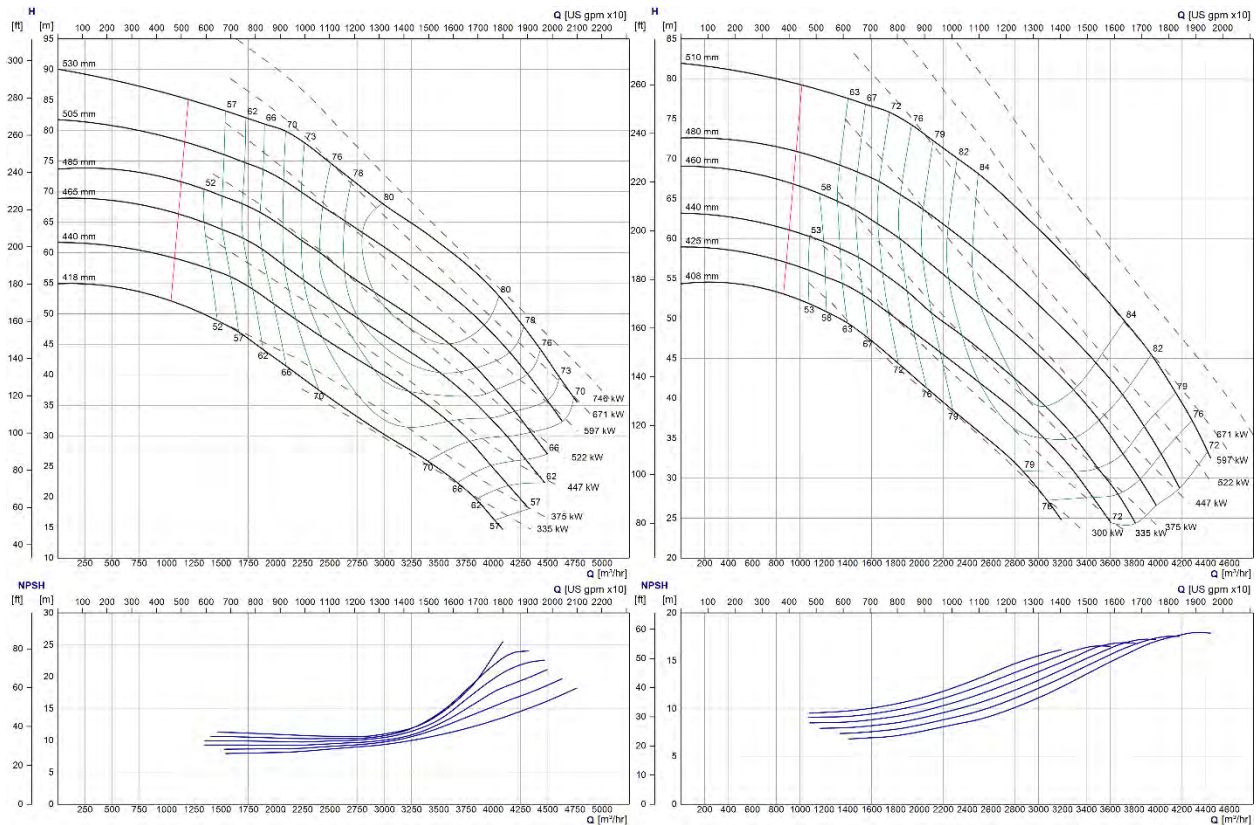
350-530 & 350-505 (14x18x21 & 14x18x20) – 1480 RPM



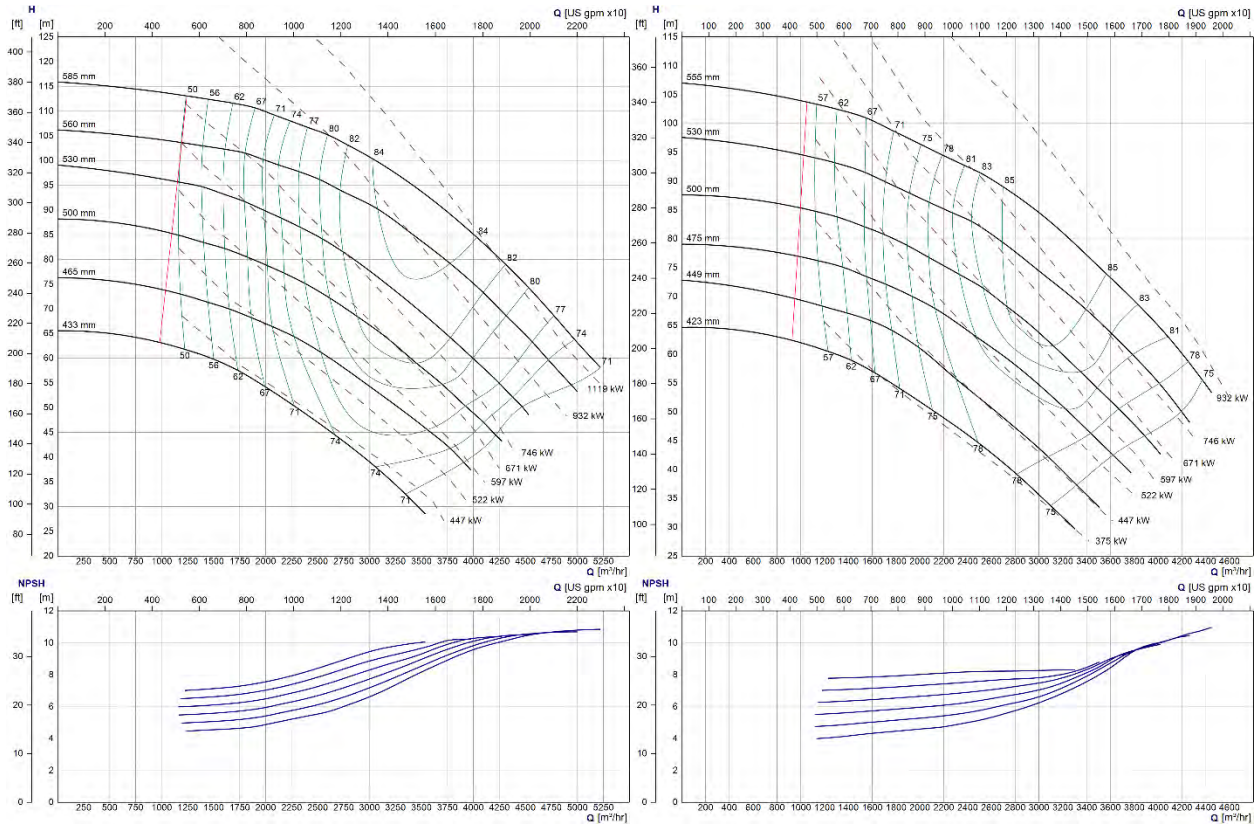
400-340 & 400-325 (16x16x13.5 & 16x16x13) – 1480 RPM



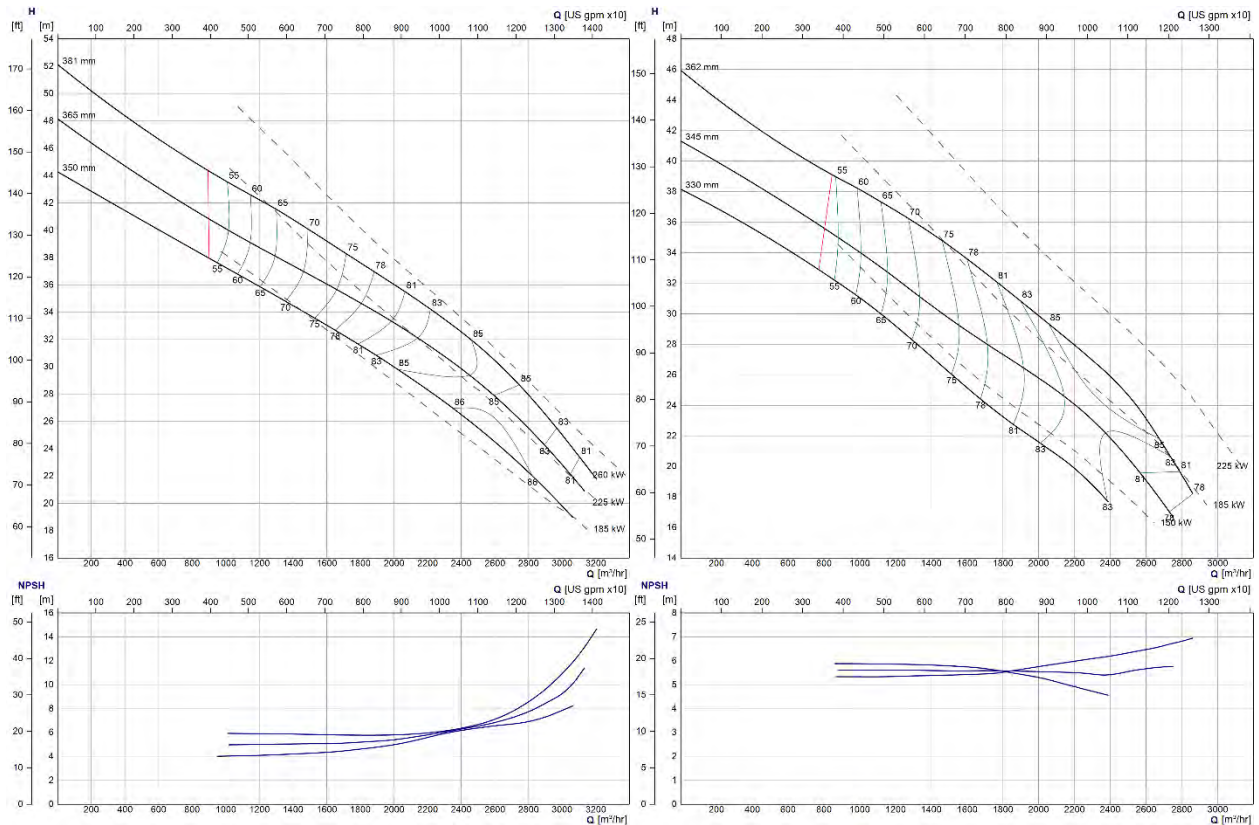
400-525 & 400-500 (16x20x20.5 & 16x20x19.5) – 1480 RPM



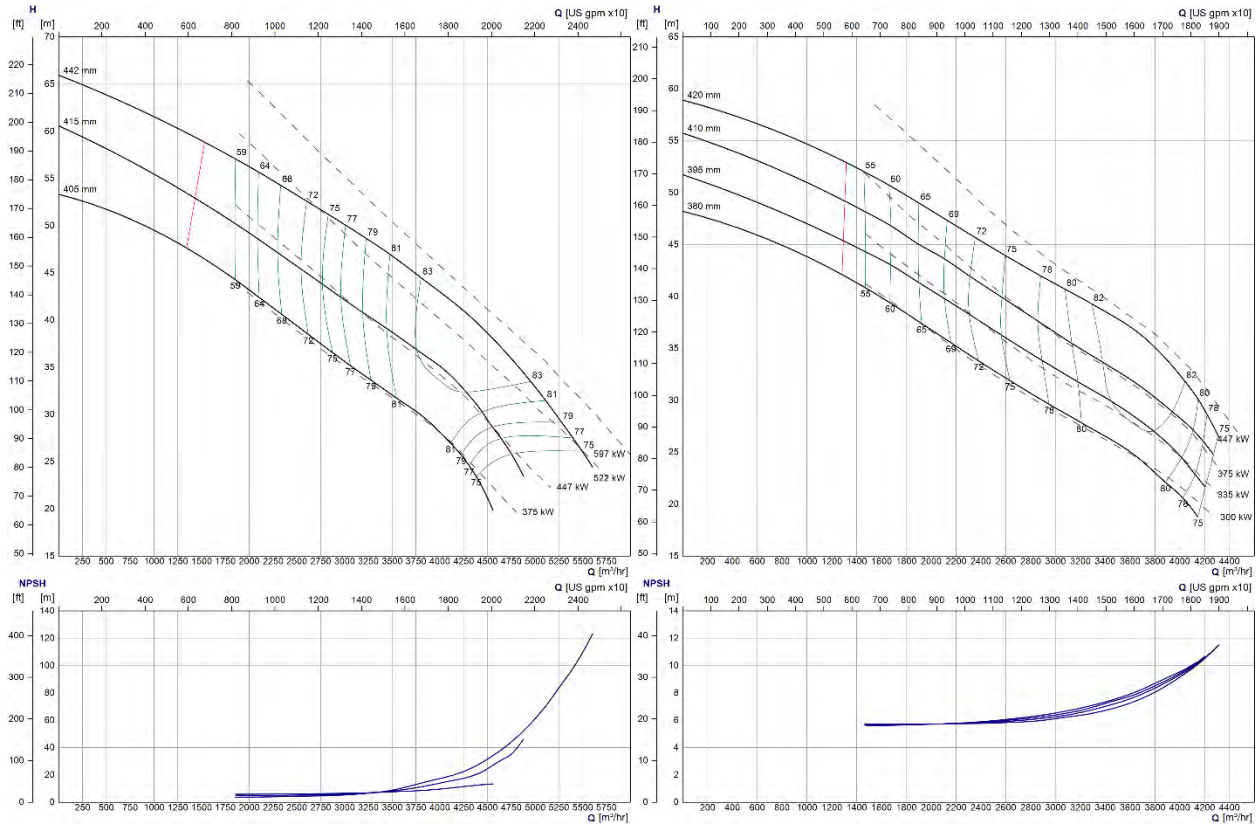
400-580 & 400-550 (16x20x23 & 16x20x22) – 1480 RPM



450-390 & 450-370 (18x20x15.5 & 18x20x14.5) – 1480 RPM

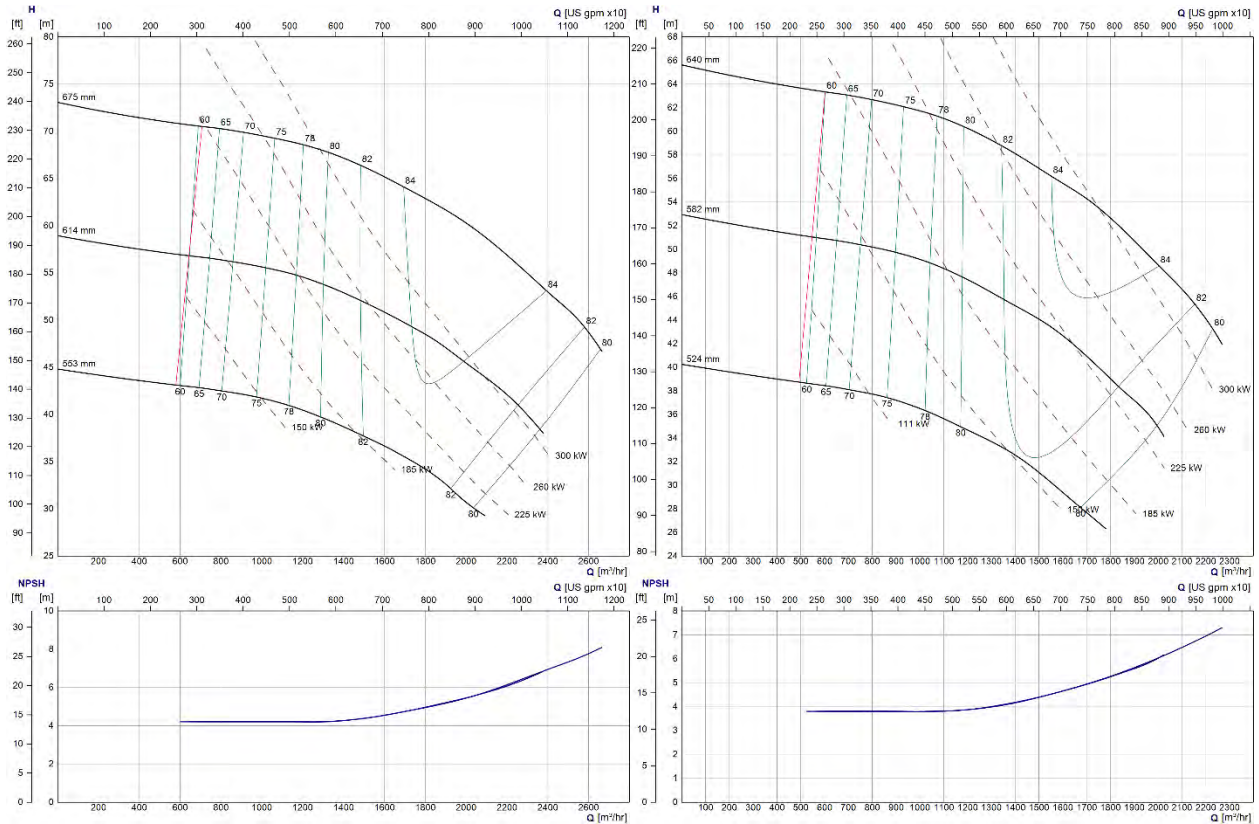


500-450 & 500-430 (20x24x18 & 20x24x17) – 1480 RPM

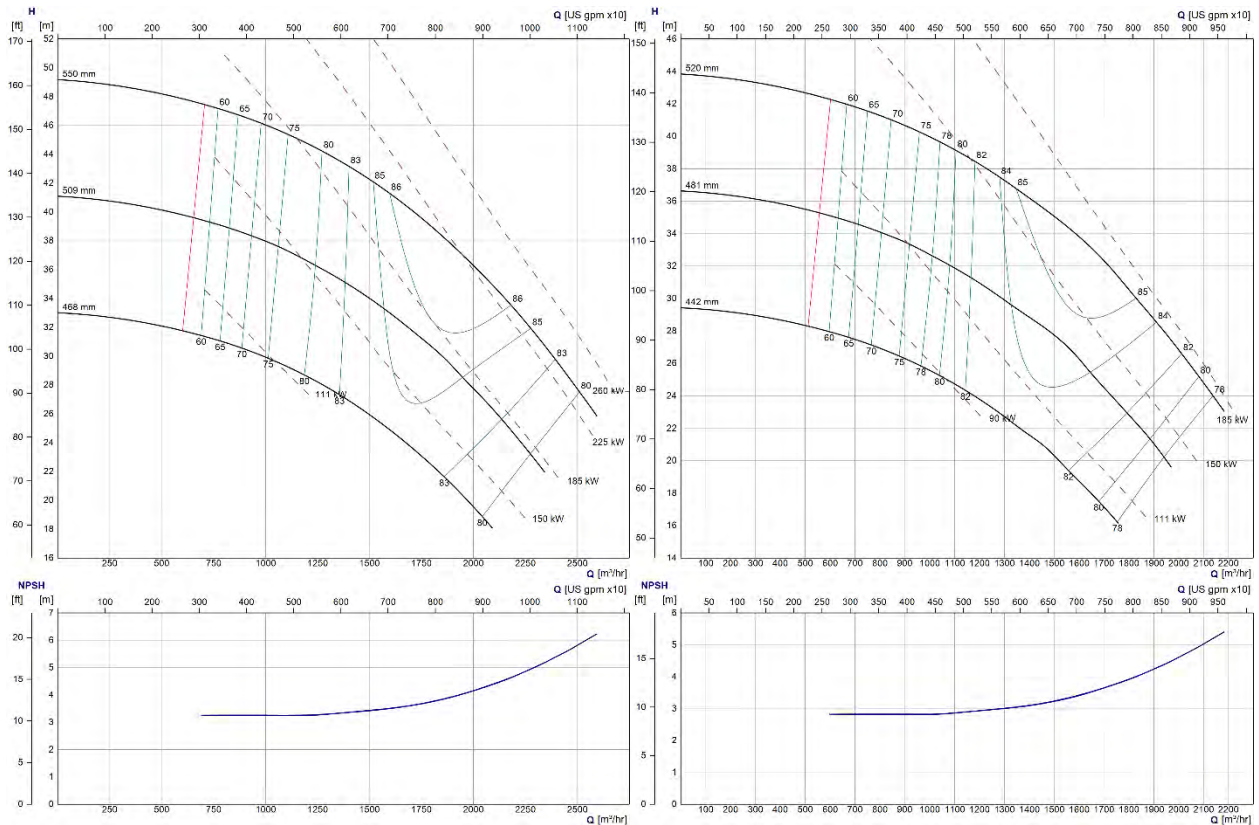


e-XC Pumps
Individual Performance Curves (50Hz)
6-Pole (980 RPM)

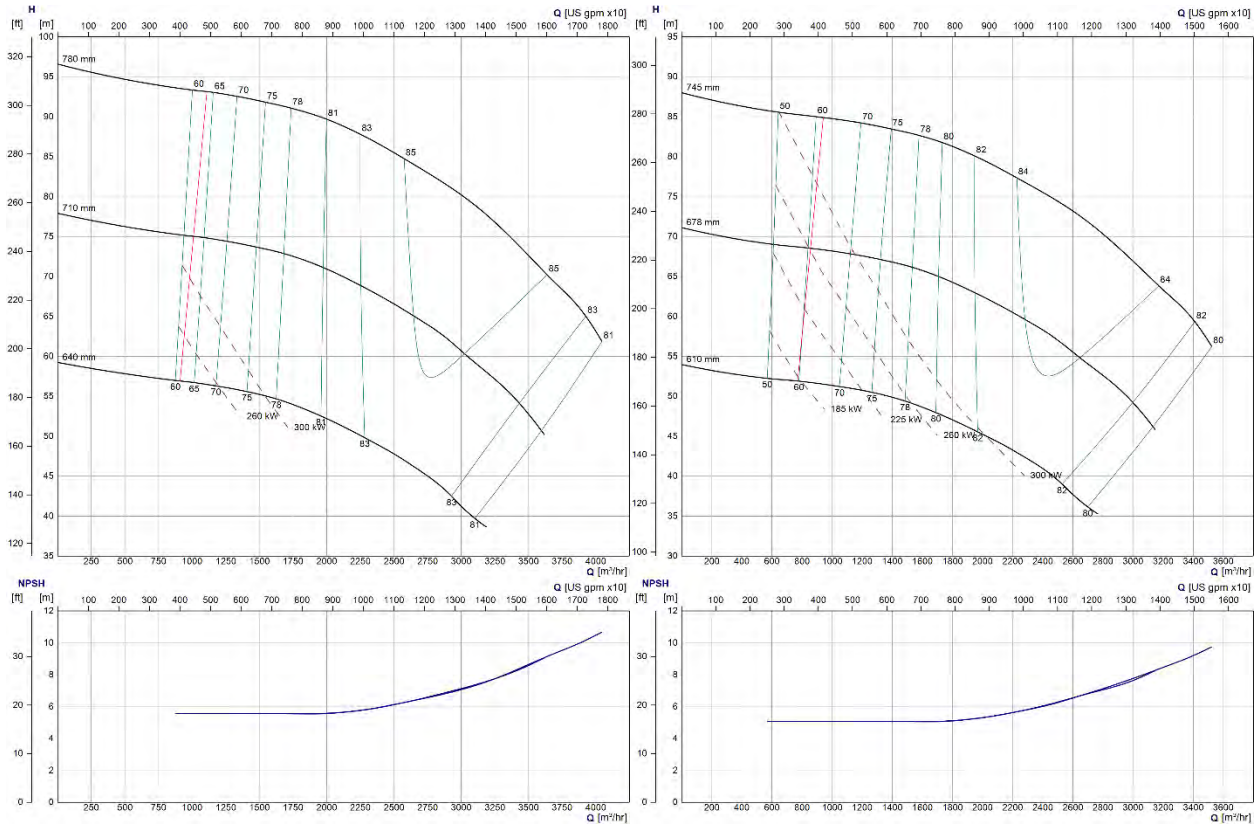
350-685 & 350-650 (14x20x26.5 & 14x20x25.5) – 980 RPM



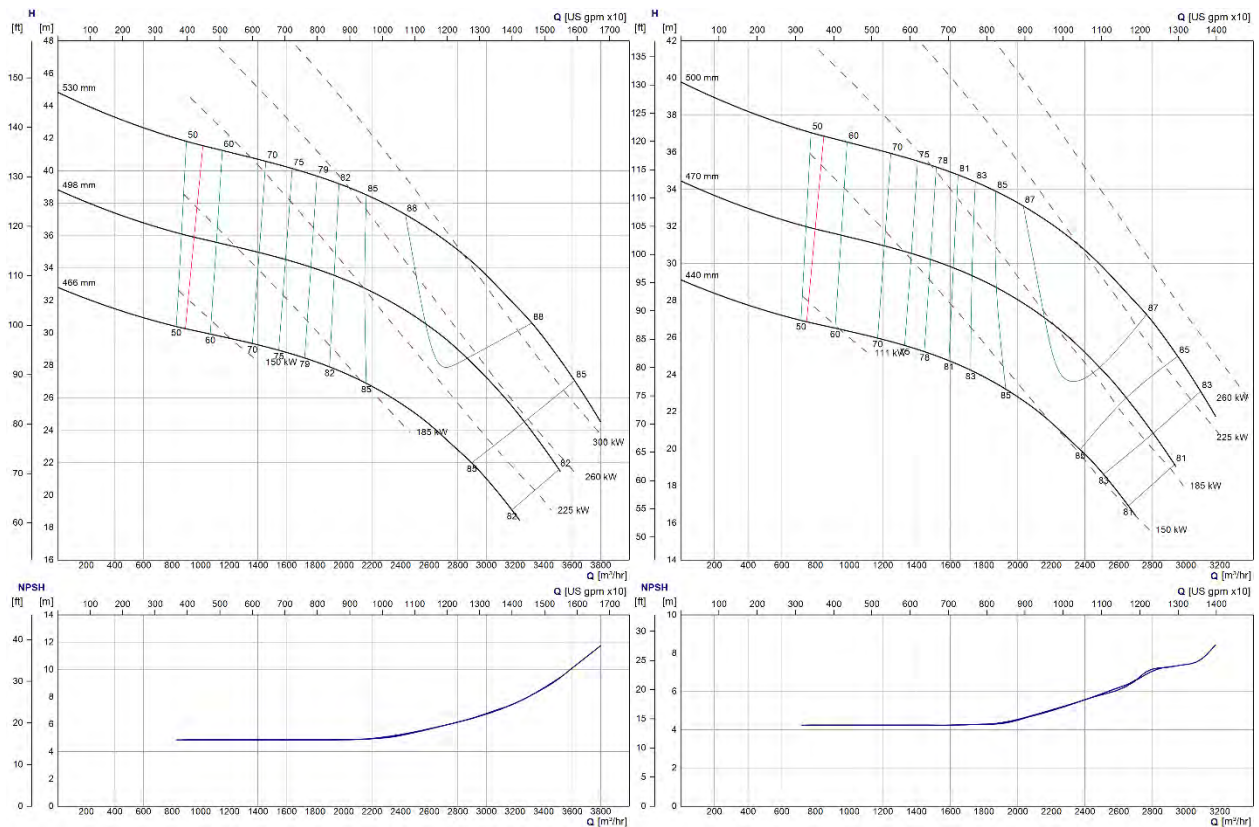
400-535 & 400-510 (16x20x21 & 16x20x20) – 980 RPM



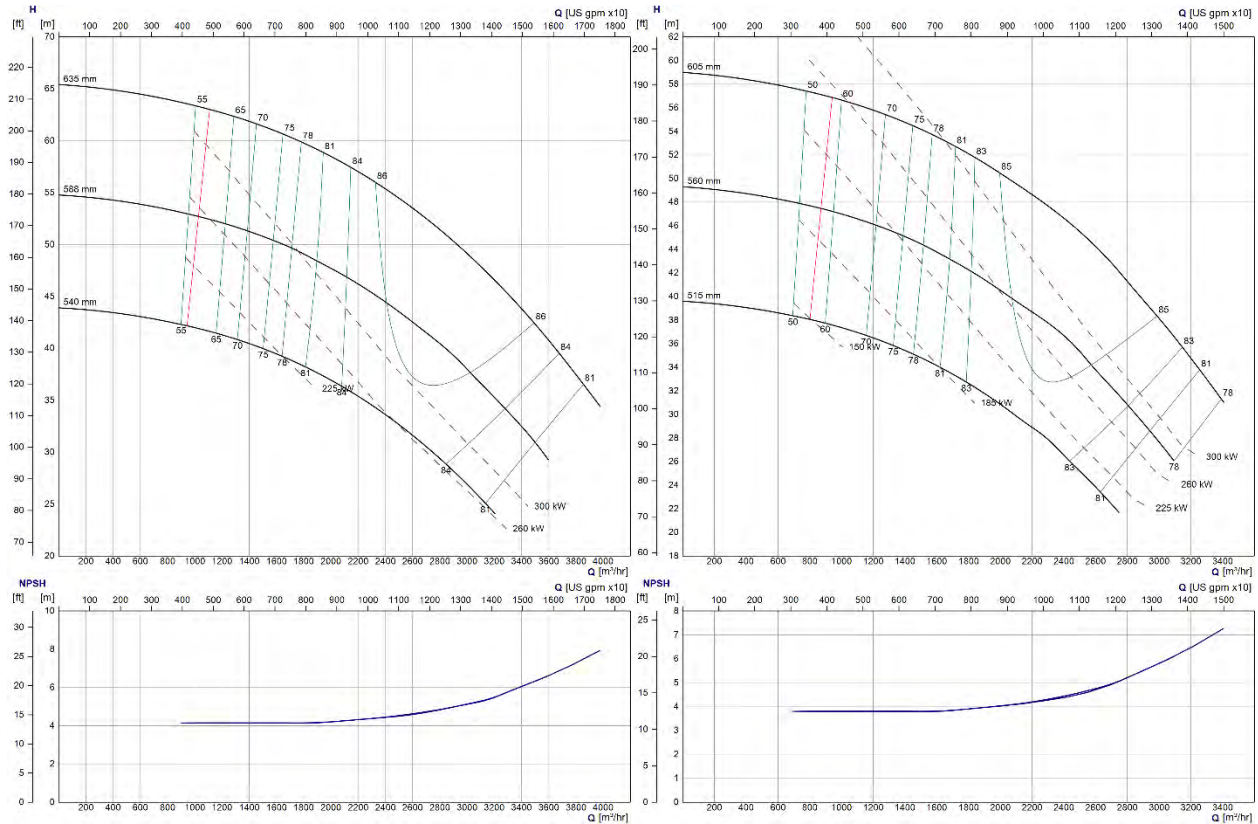
400-800 & 400-760 (16x24x31.5 & 16x24x29.5) – 980 RPM



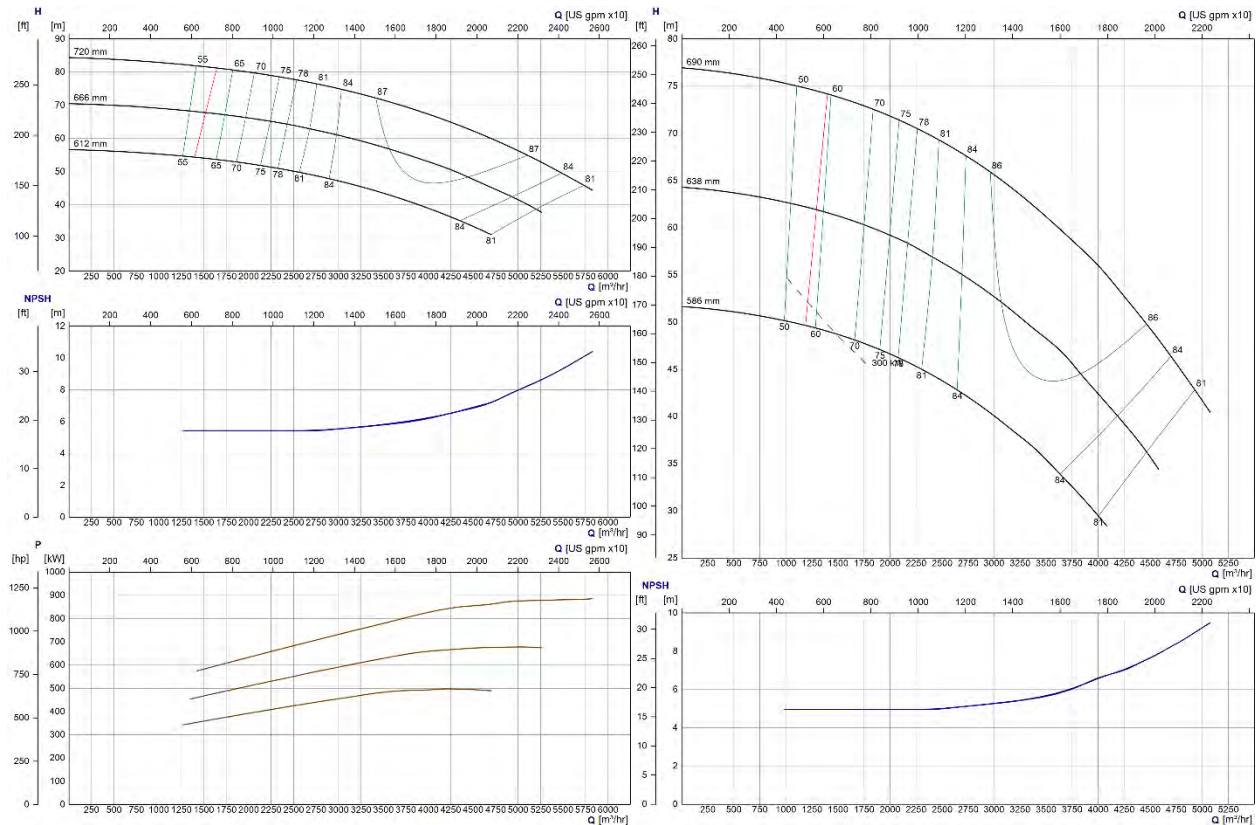
500-525 & 500-500 (20x24x20.5 & 20x24x19.5) – 980 RPM



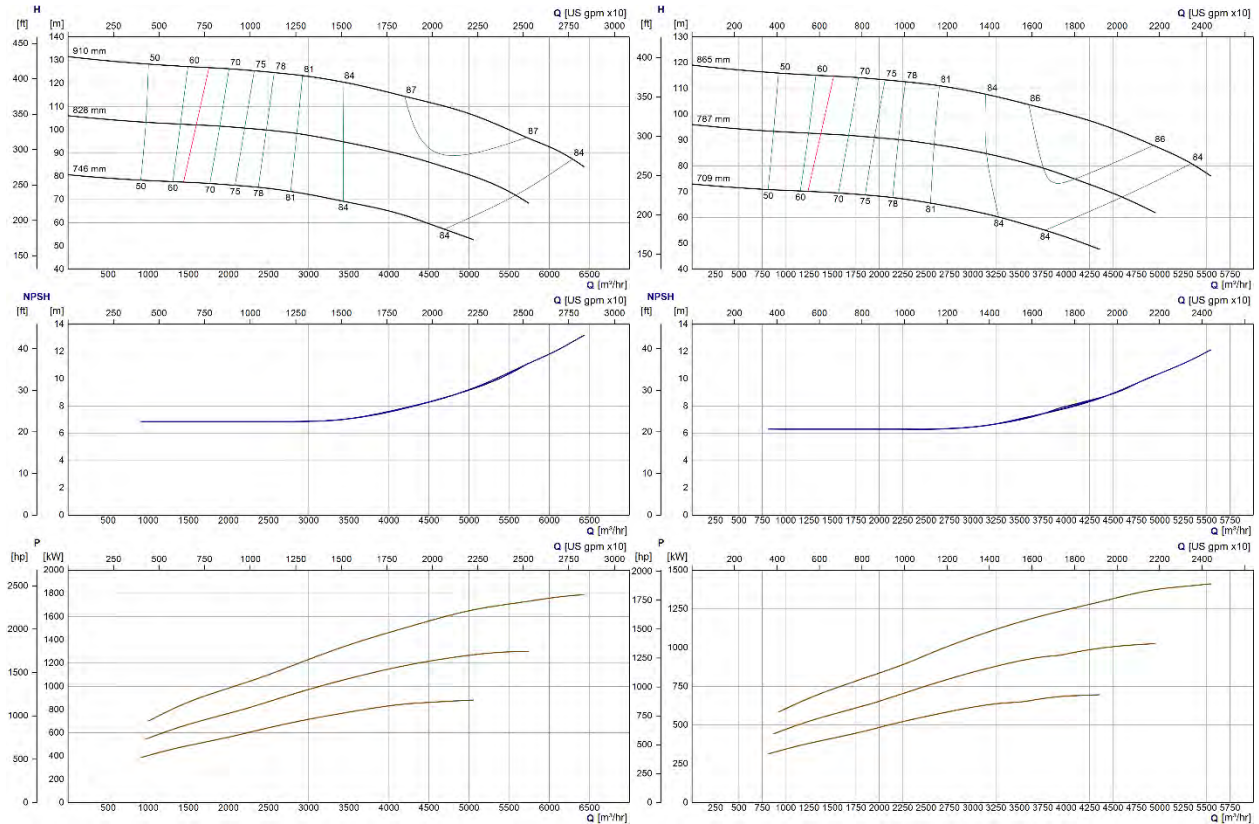
500-625 & 500-605 (20x24x24.5 & 20x24x23.5) – 980 RPM



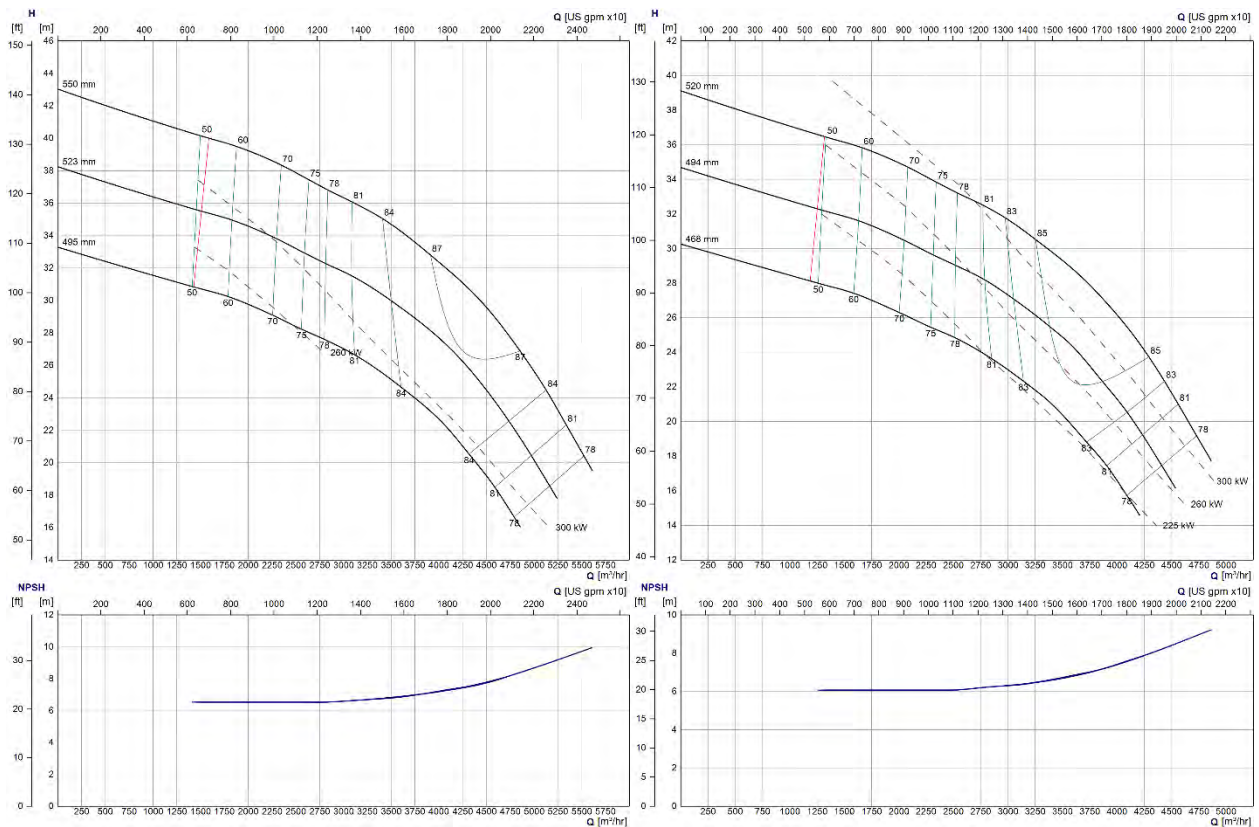
500-715 & 500-690 (20x28x28 & 20x28x27) – 980 RPM



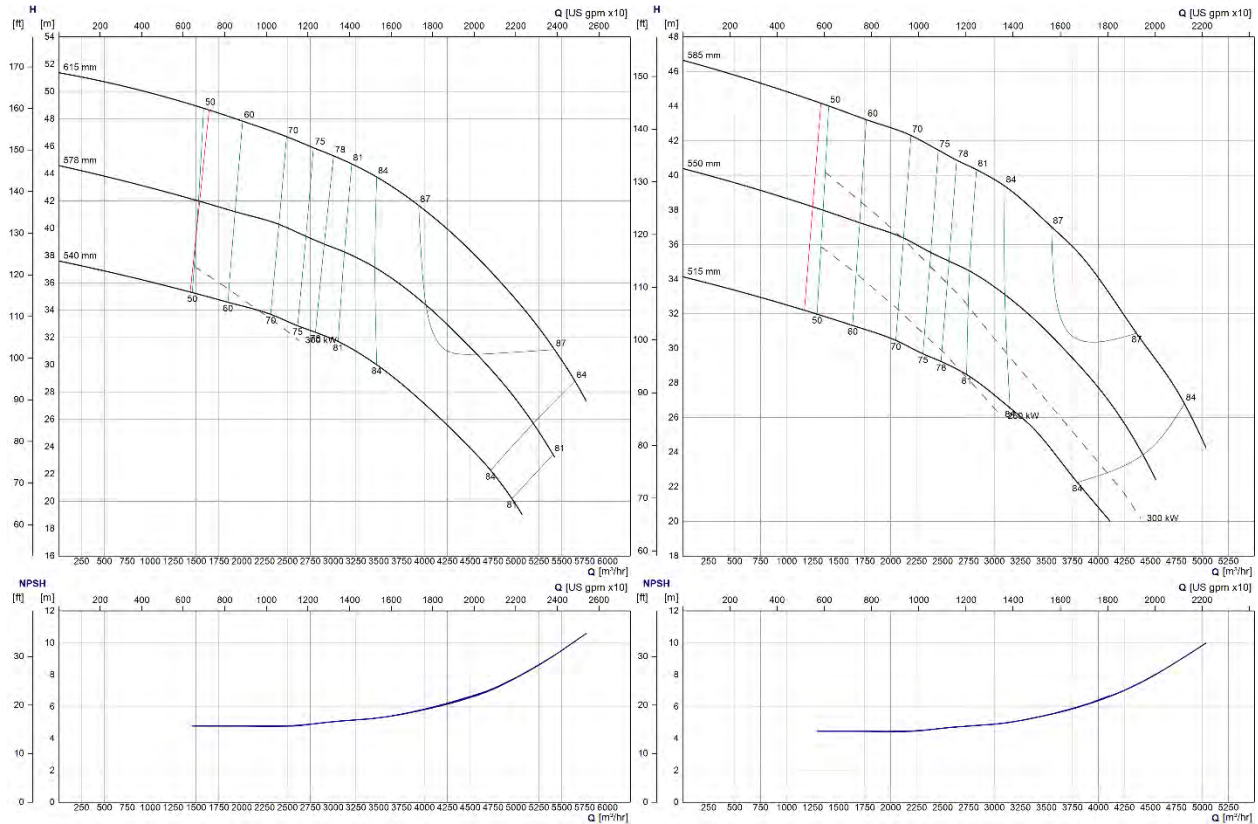
500-920 & 500-875 (20x28x36 & 20x28x34) – 980 RPM



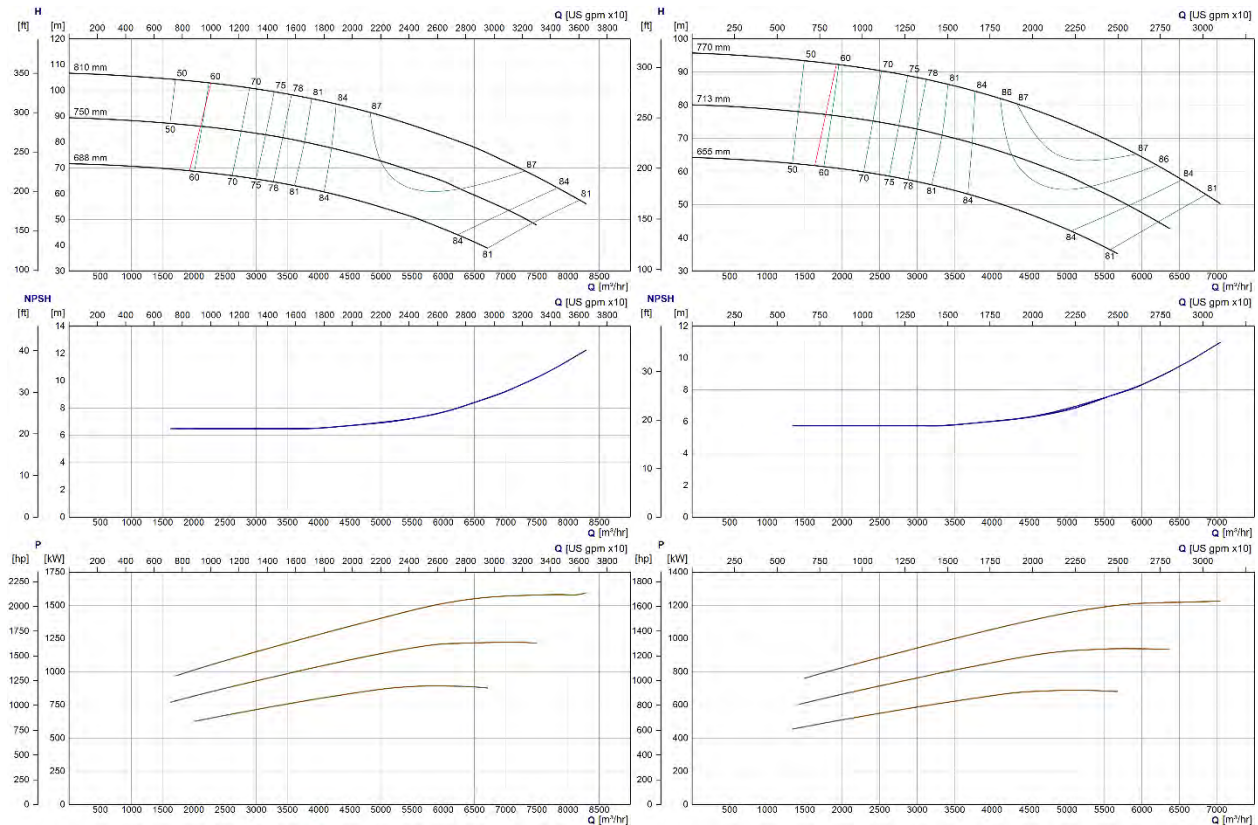
600-575 & 600-540 (24x28x22.5 & 24x28x21) – 980 RPM



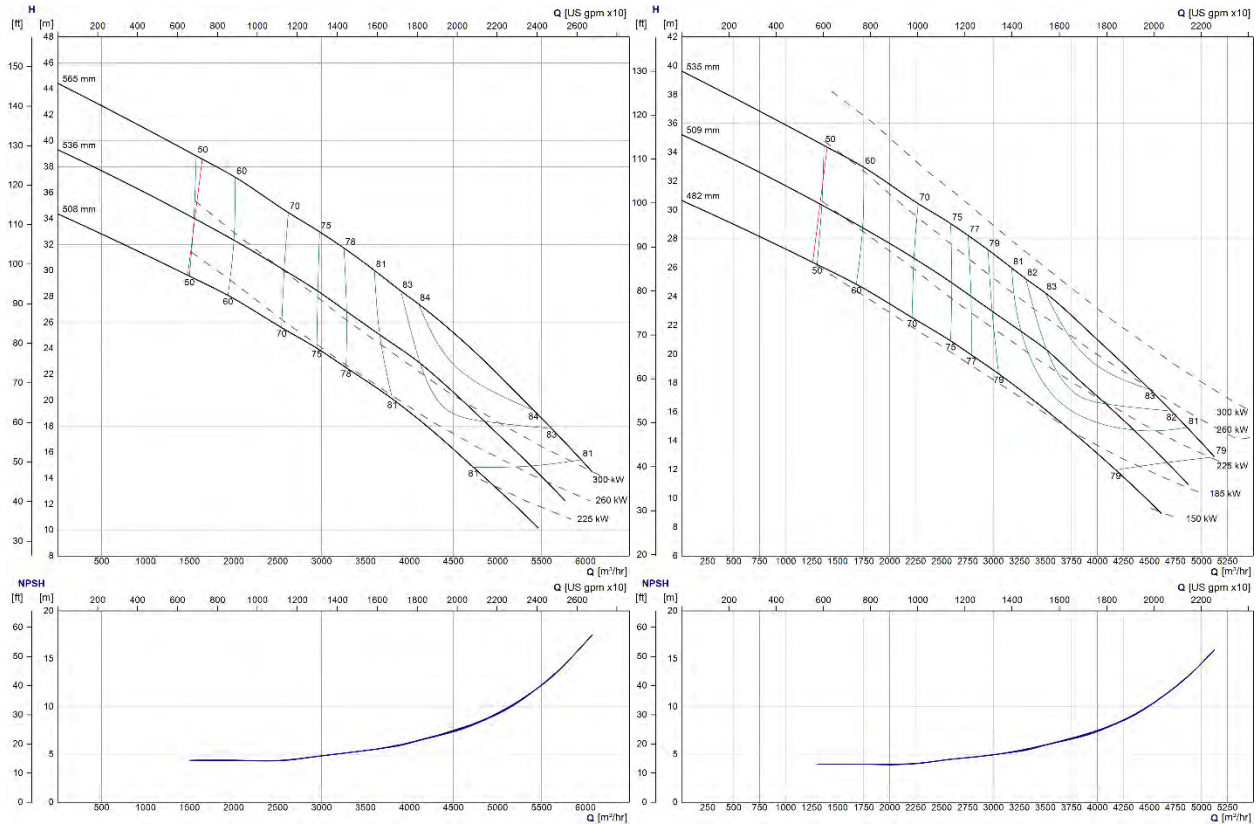
600-610 & 600-580 (24x28x24 & 24x28x23) – 980 RPM



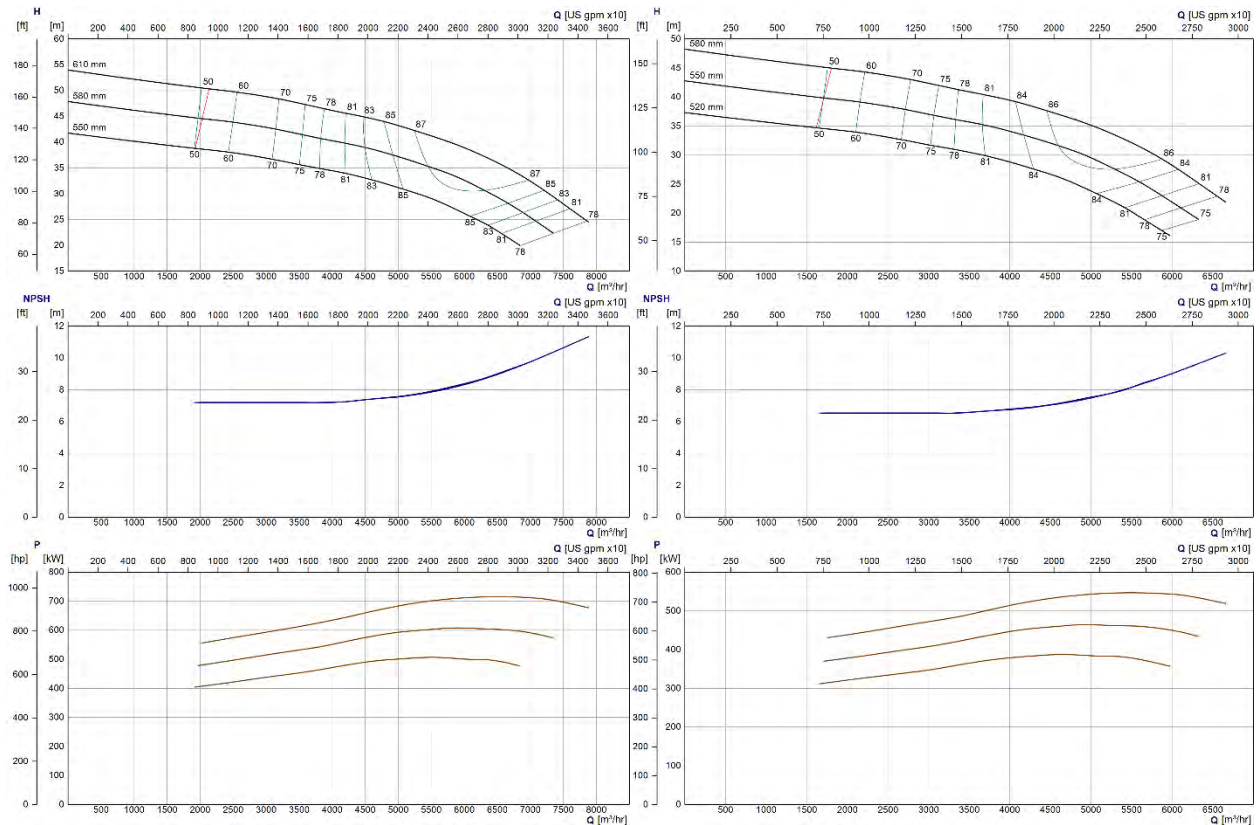
600-810 & 600-770 (24x32x31.5 & 24x32x30) – 980 RPM



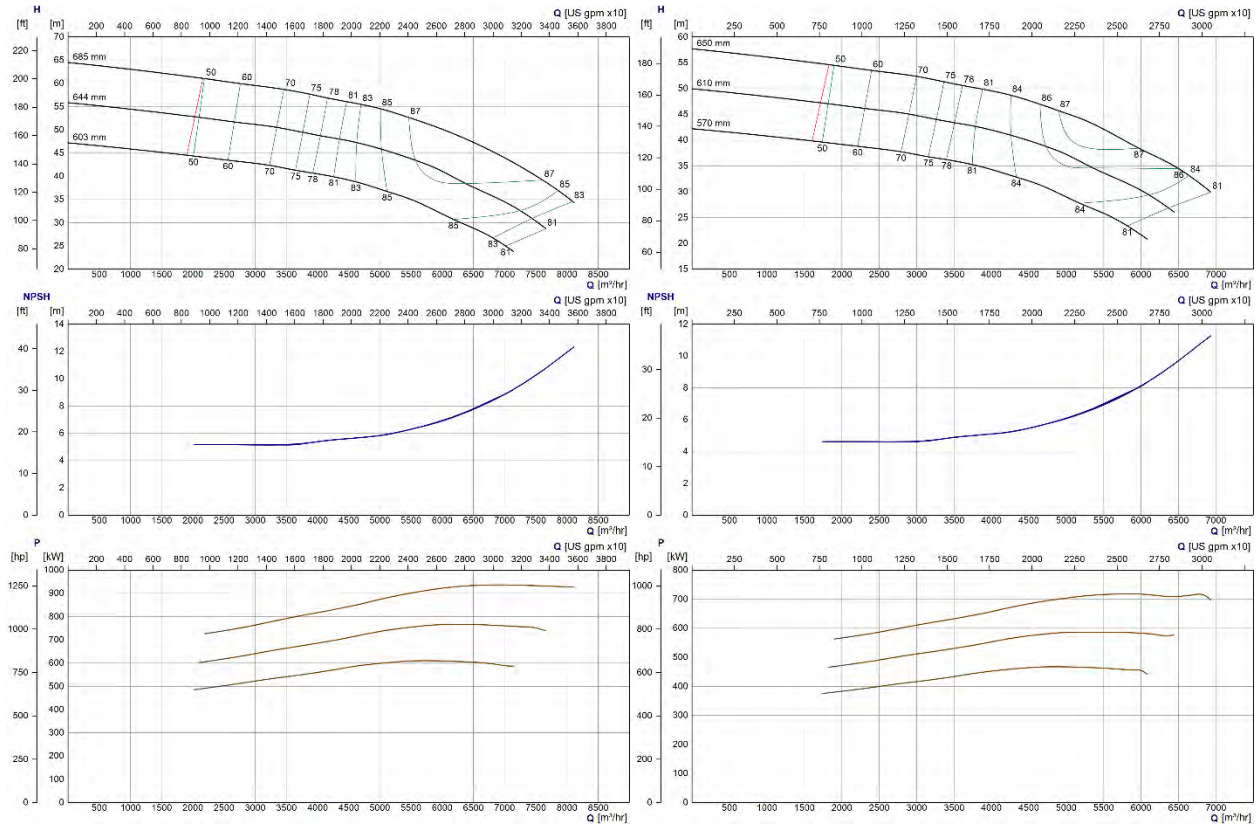
700-535 & 700-505 (28x28x21 & 28x28x19.5) – 980 RPM



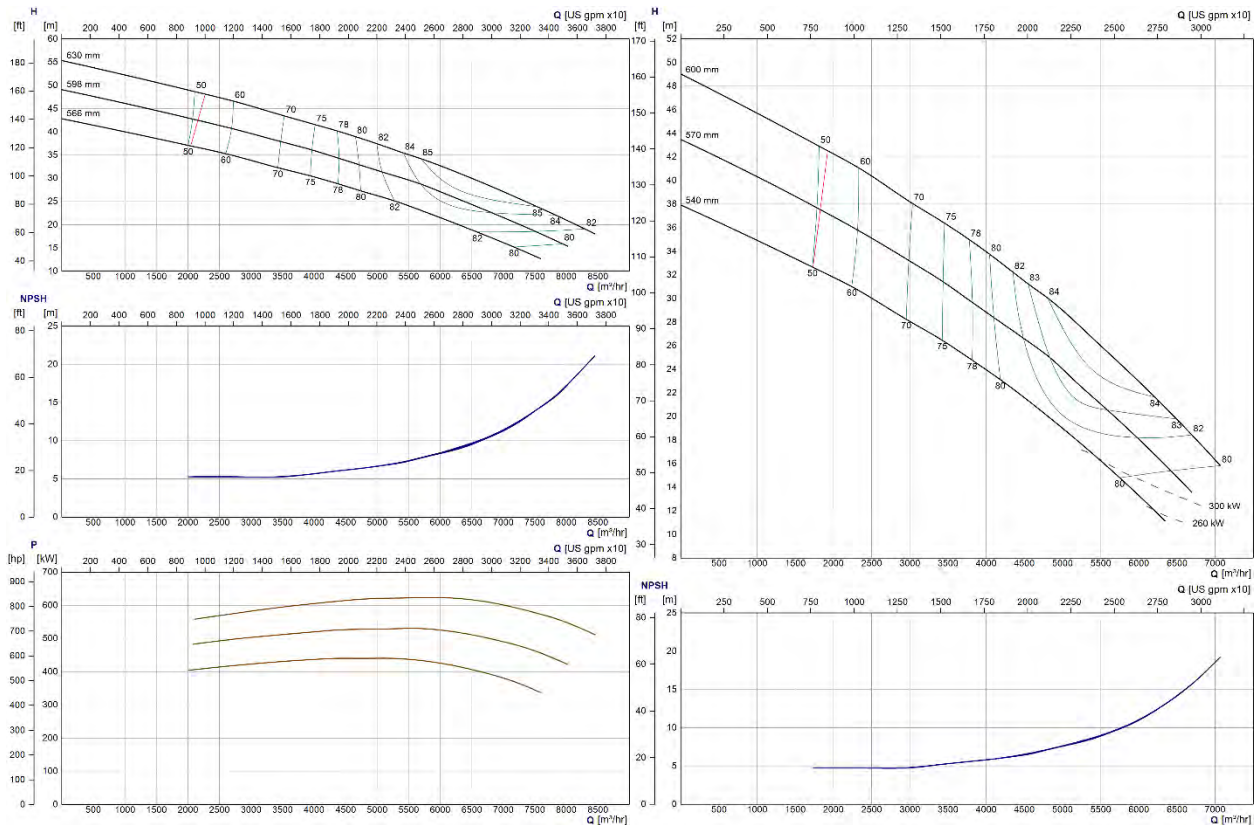
700-615 & 700-585 (28x32x23.5 & 28x32x23) – 980 RPM



700-670 & 700-635 (28x32x26 & 28x32x25) – 980 RPM

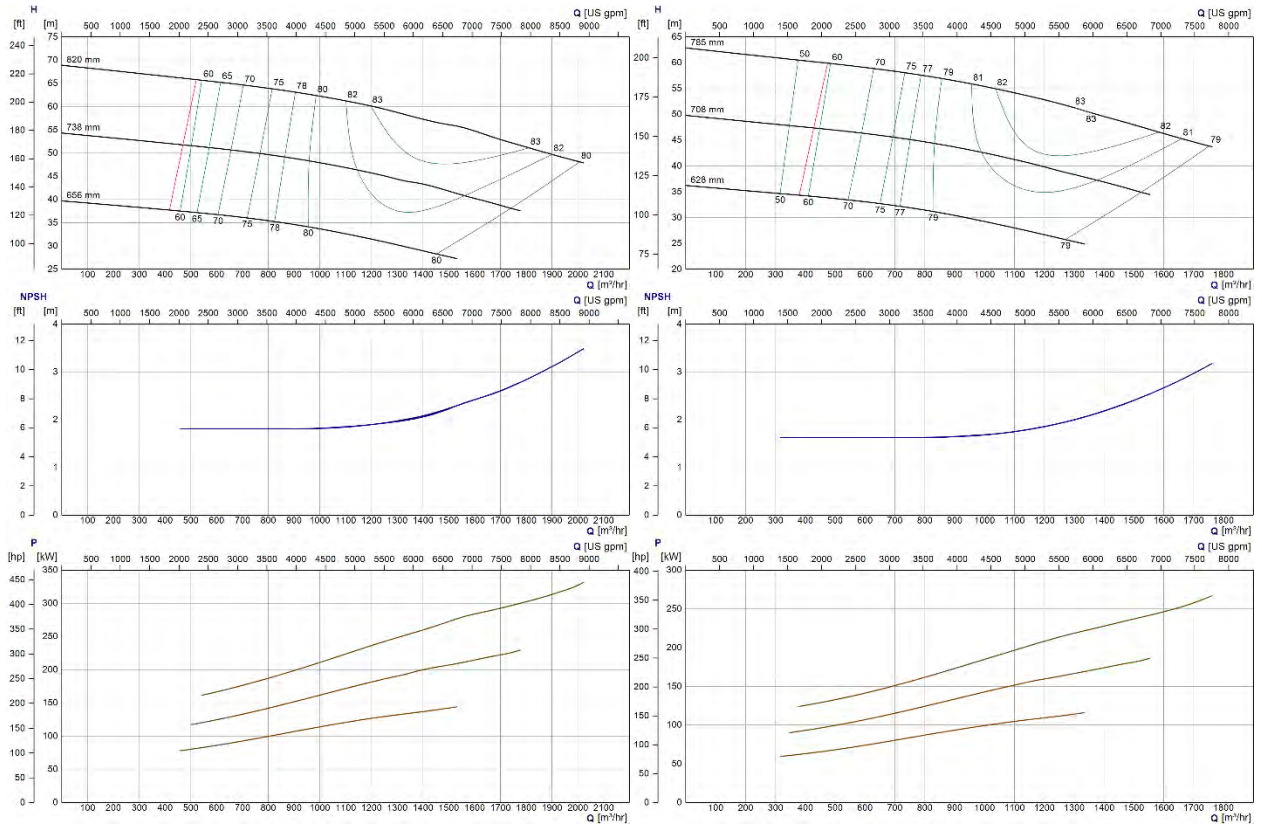


800-590 & 800-560 (32x32x23 & 32x32x22) – 980 RPM

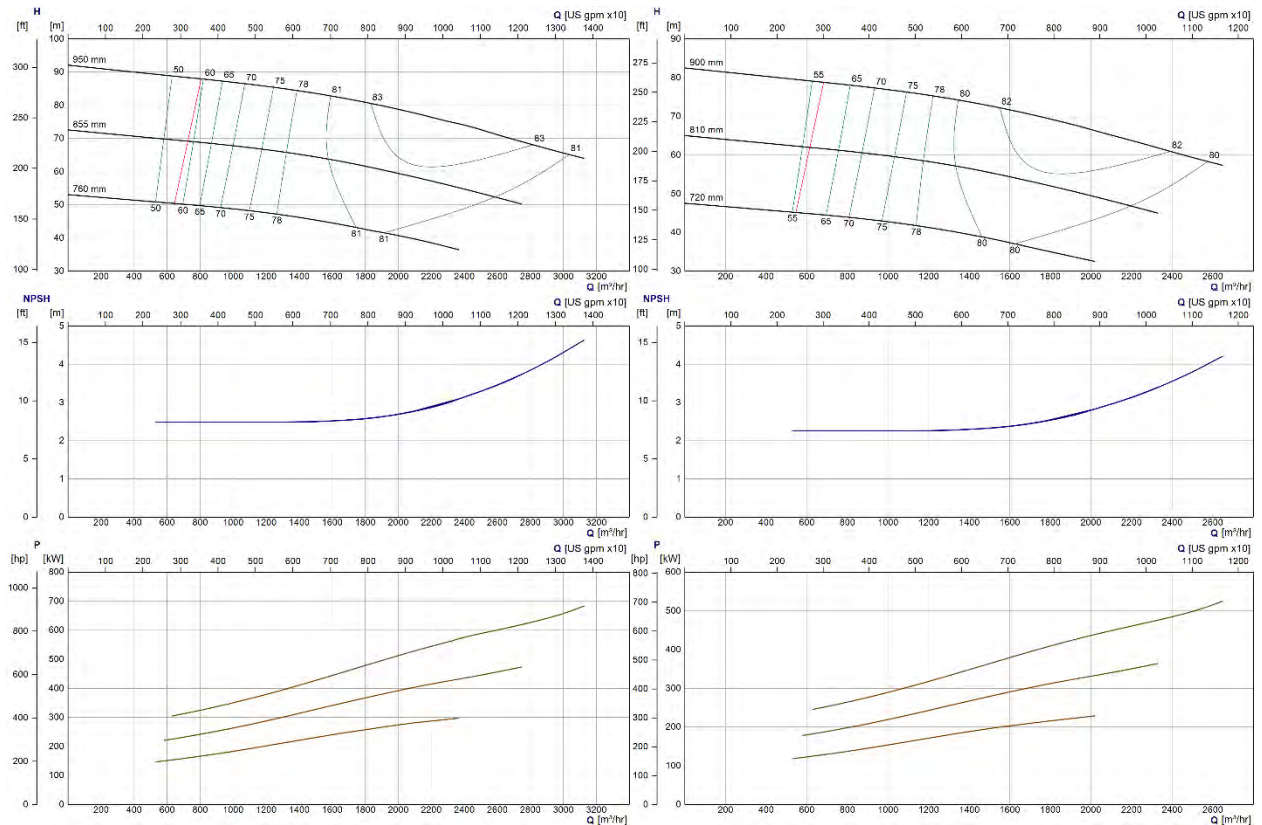


e-XC Pumps
Individual Performance Curves (50Hz)
8-Pole (740 RPM)

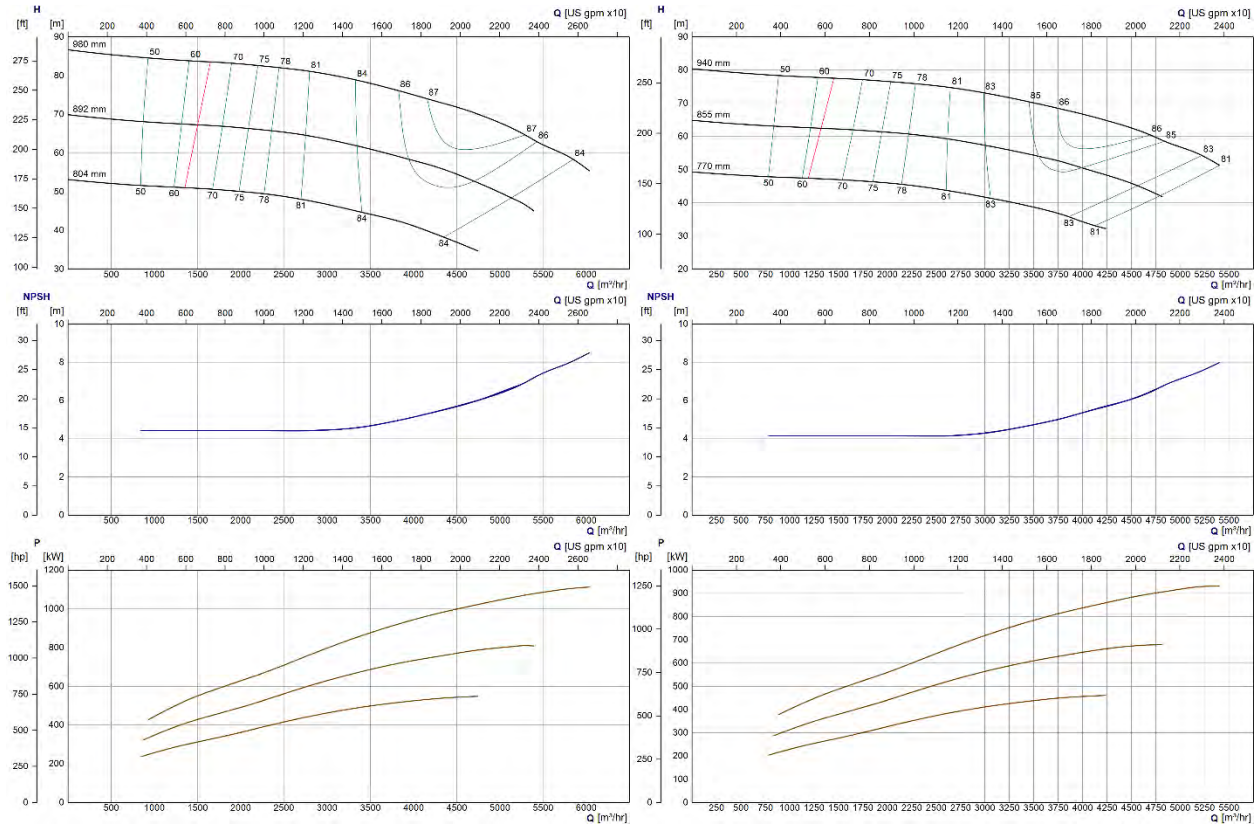
350-845 & 350-650 (14x20x33 & 14x20x31.5) – 740 RPM



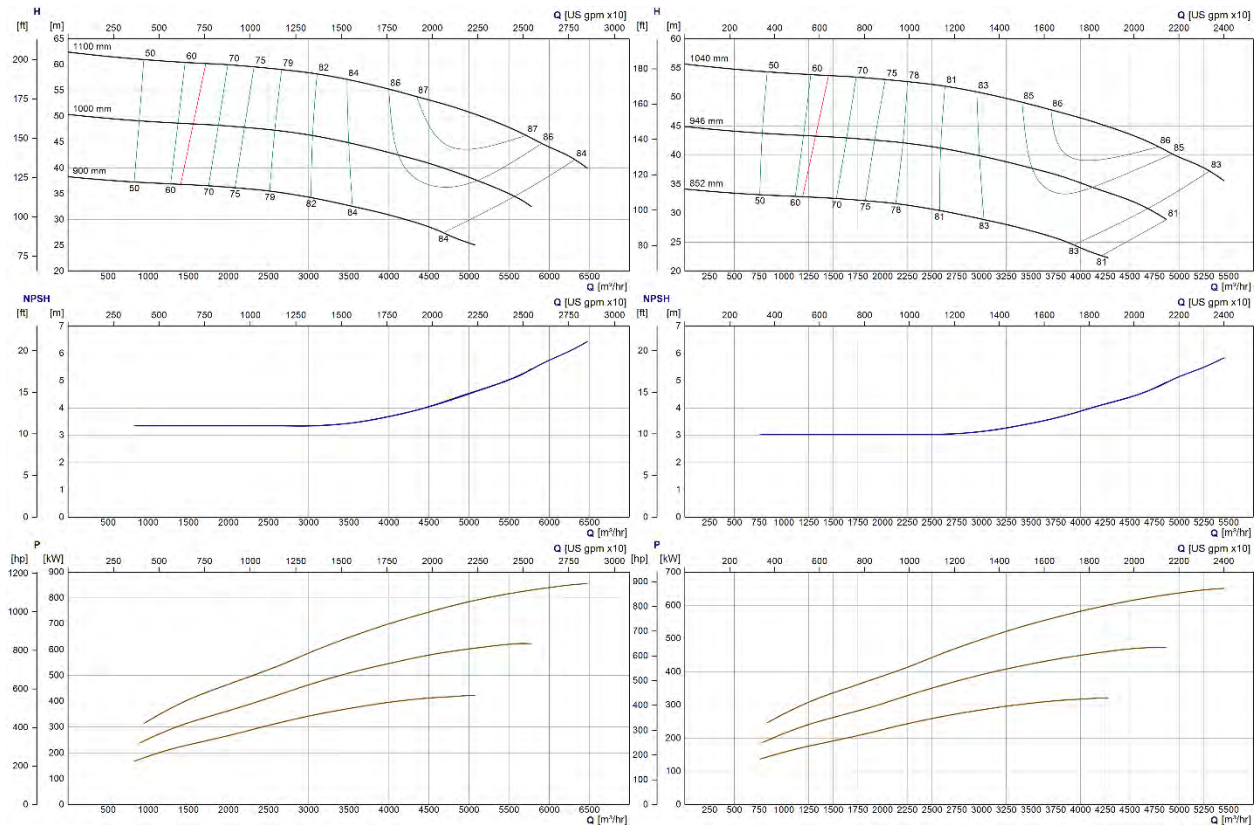
400-970 & 400-925 (16x24x38 & 16x24x34) – 740 RPM



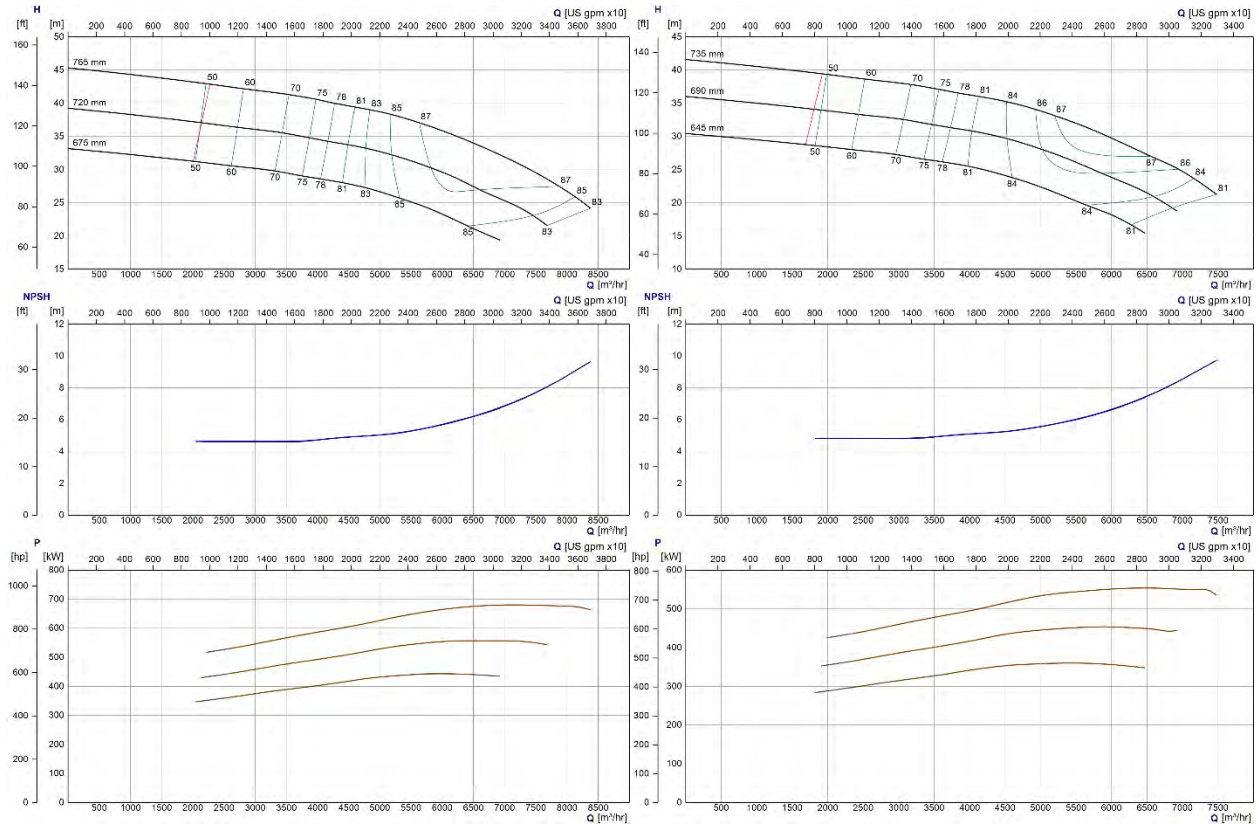
600-1000 & 600-950 (24x32x39 & 24x32x37) – 740 RPM



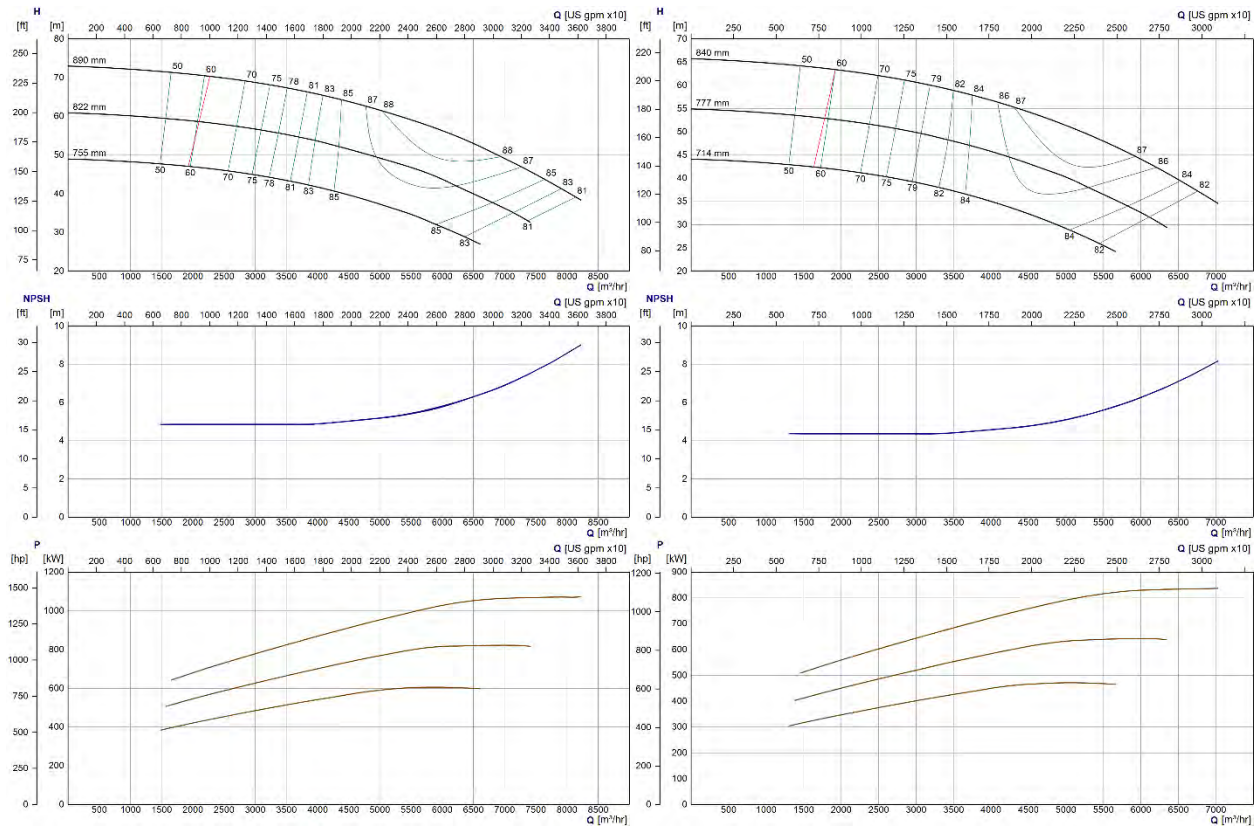
600-1115 & 600-1060 (24x32x43.5 & 24x32x41.5) – 740 RPM



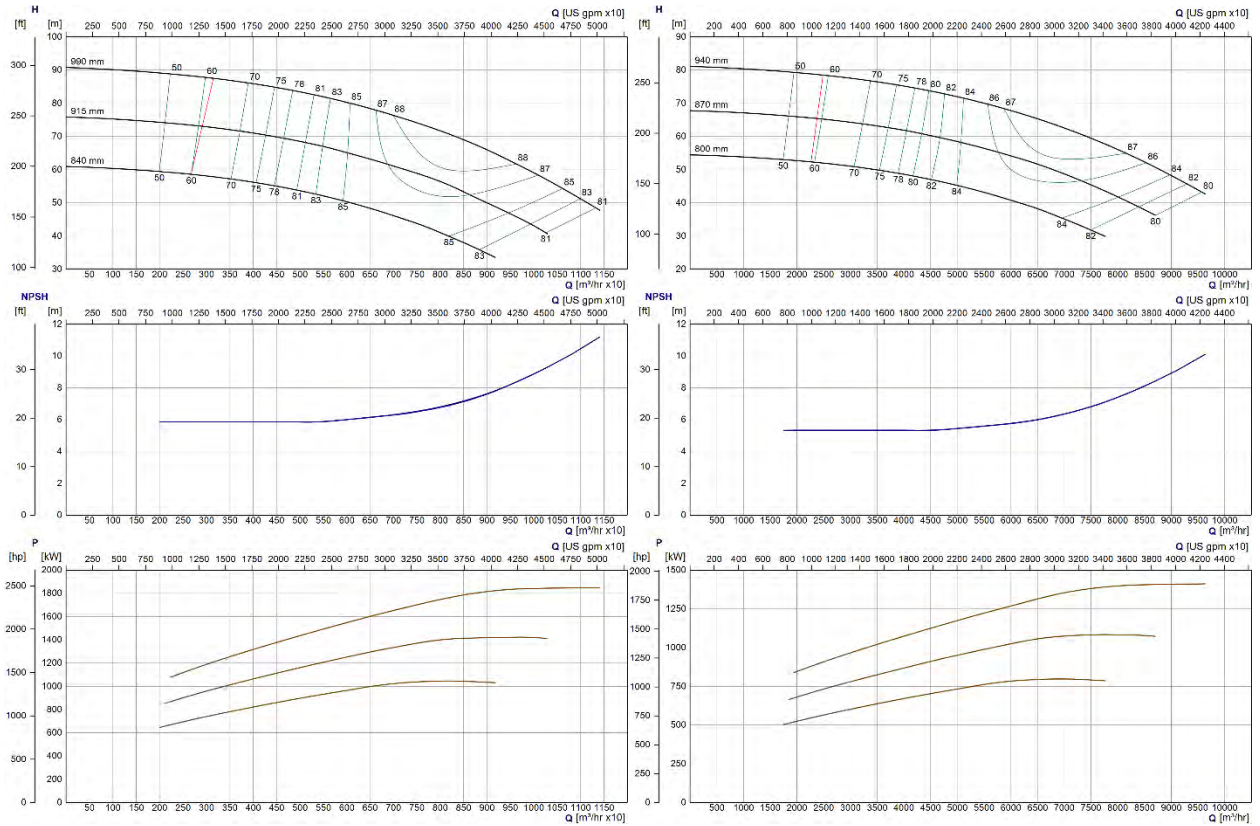
700-775 & 700-735 (28x32x30.5 & 28x32x28.5) – 740 RPM



700-870 & 700-830 (28x32x34 & 28x32x32.5) – 740 RPM



700-995 & 700-945 (28x36x39 & 28x36x37) – 740 RPM



NSF/ANSI 61 & NSF/ANSI 372 – CSA Group Certified¹

1. NSF/ANSI/CAN 61 (Drinking Water System Components – Health Effects) are certification standards for products that come into contact with drinking water which ensure a product is safe for potable water applications.
 - a. CSA Group File Number: 009553_0_000
 - b. CSA Group Class Number: 6861-08
2. NSF/ANSI/CAN 372 (*Drinking Water System Components — Lead Content*) verifies the lead content within drinking water products to ensure they are safe as defined by the Safe Drinking Water Act. These requirements are based on EPA and Health Canada requirements.
 - a. CSA Group File Number: 009553_0_000
 - b. CSA Group Class Number: 6853-01

Certified Materials of Construction

Standard construction (dry shaft) cast iron, ductile iron or CF8 (316 SS) enclosed e-XC pumps, fitted with either CF8 (304 SS) or CF8M (316 SS) impeller and impeller wear rings, and bronze or 2205 (duplex) SS or Nitronic 60 casing wear rings are certified to both NSF/ANSI/CAN 61 and 372 standards. Standard construction pumps are certified for use with either MR1 (C/SiC/EPDM) metal pusher or MR2 (C/SiC/EPDM) rubber bellow mechanical seals.

- a. Optional wet shaft construction e-XC pumps with either 420 SS shaft with the same casing, impeller assembly, and mechanical seal configurations listed above are also certified to NSF/ANSI/CAN 61 and 372 standards.
- b. Although not required, an optional epoxy coating (Epoxyline 22) is available.

¹For the official certification listing, please visit www.csagroup.org and enter the file and class numbers on the CSA Group Product Listing page.

Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com



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