

SERIES

APN

Process Pumps
N-906 C/ANSI B73.1 (OH-1)



ANSI B73.1

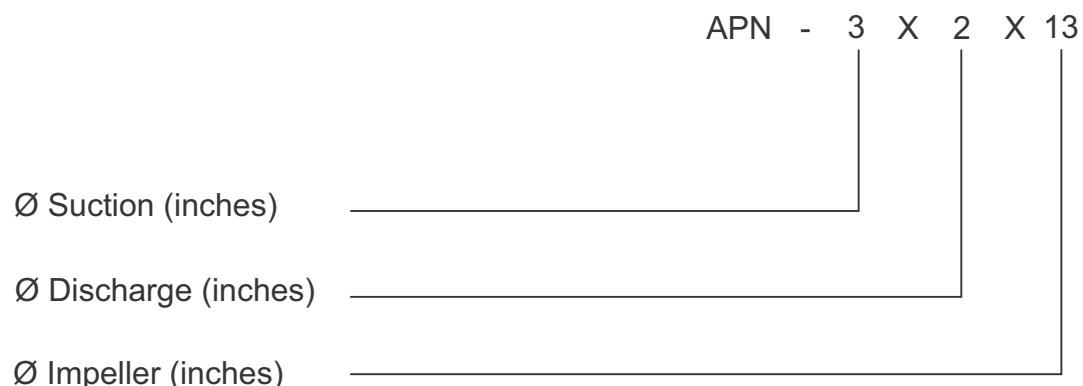
 **IMBIL**[®]
Pumping Solutions



INTRODUCTION

This catalog describes the pump models of the APN line manufactured by IMBIL and includes technical information on construction techniques and characteristic curves of each model. IMBIL and its representatives are always at your service to provide you with any further information and technical assistance.

NOMENCLATURE





APPLICATIONS

The pumps from the APN lines are indicated for the pumping in chemical and petrochemical industries, siderurgy, food and drinks industries, sugar and alcohol plants and paper and pulp industry..

CHARACTERISTICS

The pumps are designed according to **ANSI B73.1** 2001 edition, over hung, horizontal shaft pumps, single stage, horizontal suction and vertical center line discharge, with "Back Pull Out" construction allowing the disassembly for eventual maintenance and repair from the back part without affecting the alignment and fixation of the piping..



Spiral housing casted in one single piece, with the fixation supports incorporated. Suction nozzle on the horizontal position and the discharge nozzle on the vertical position at the center line.

The Shaft Sealing is ensured by a gasket in the Standard execution, or optionally by a mechanical seal.

The Shaft has a protective bushing in the stuffing box packing region preventing the contact between the shaft and the pumped liquid.

The impeller is open, providing more wear area in comparison with closed impeller.

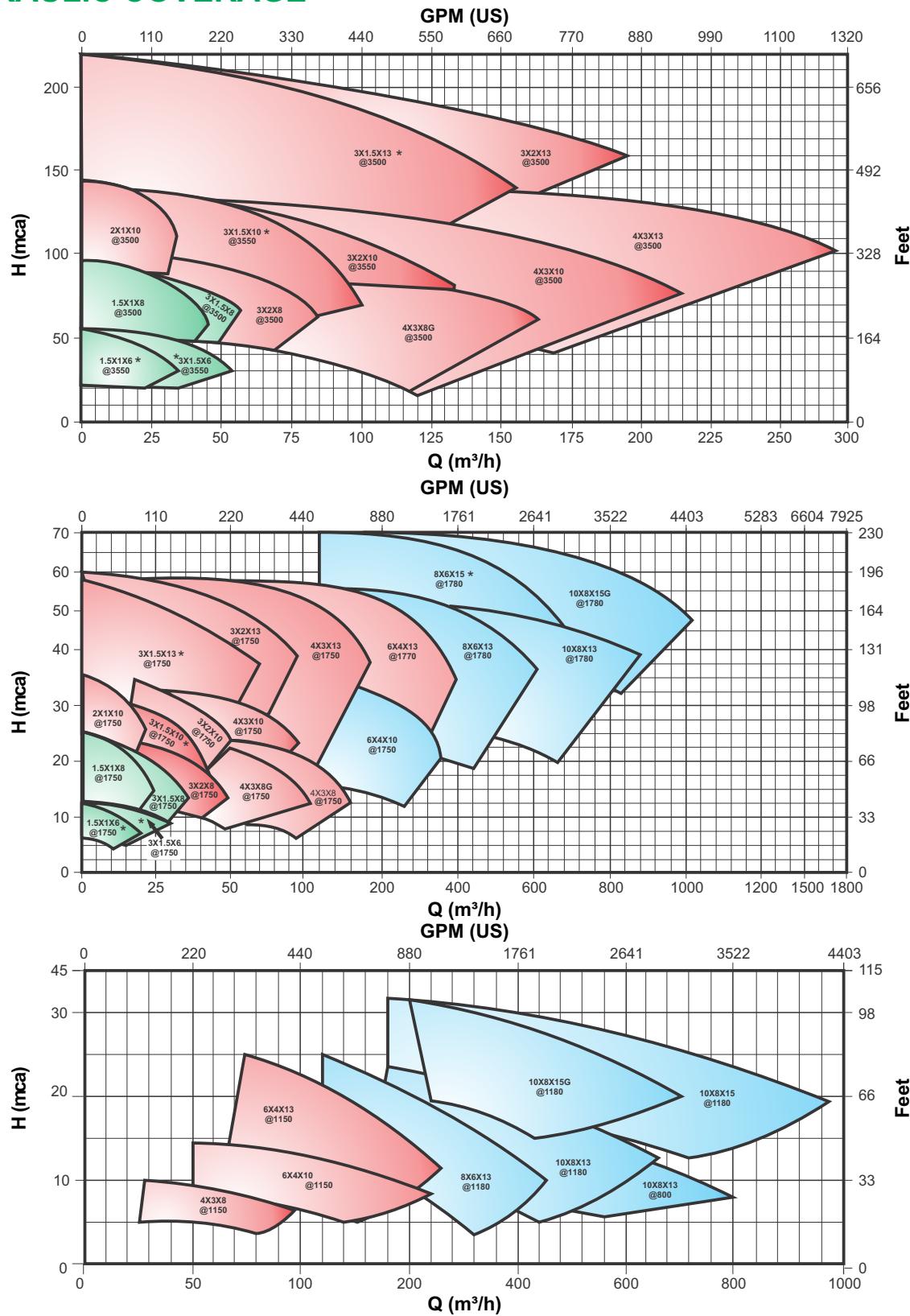
The bearing has a strong construction that assures high rigidity to the set and assures long use life of the bearings.

A very important characteristic of the bearing is that is a modular design, interchangeable with several pump sizes. In addition, they can be equipped with a bearing protector, several types of lubrication systems and monitoring systems.

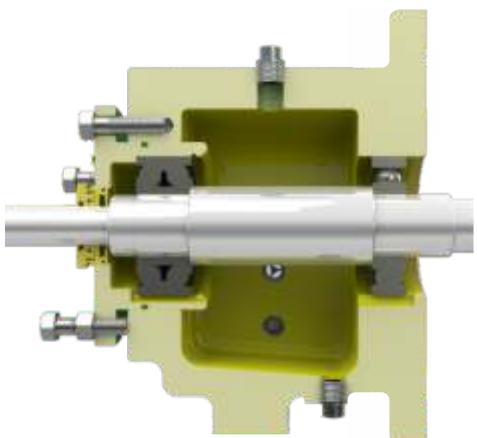
The adjustment of the clearance between the impeller and the volute is made through a simple bearing regulation, which allows maintaining the same performance throughout the pump use life without loosing efficiency, flow and pressure due to natural wearing of the impeller and volute.



HYDRAULIC COVERAGE



(*) see page 9



BEARING DESIGN

3 year warranty

- Developed to provide longer life for the antifriction bearings (twice longer in average) due to a greater oil storage capacity, which allows a larger and better reduction lubrication and cooling side fins (up to 20% heat transfer) too.
- Has a magnetic drain for the removal micro materials that may separate from the parts during the equipment operation.
- Greater rigidity, durability and safety during operation.

IMPELLER DESIGN

- Suitable for a large range of applications;
- Suction design assures easier sliding of fibrous materials;
- Through the impeller's axial adjustment project, assuring the same efficiency without the need for disassembly and maintenance of the pump, or changing a renewable part.
- Has a larger wear surface area than the closed impellers, allowing a uniform wearing and assuring a longer use life of the impeller, which is normally twice the one of the closed impeller.



BEARING PROTECTOR

- All the pump sizes are developed to accommodate Bearing Protectors, which guarantee the protection of the bearing housing and antifriction bearing preventing the entrance of impurities, corrosive liquids and other materials that may contaminate the oil and damage bearing.
- The durability of the Bearing Protector in comparison to the other methods used for sealing is infinitely superior, besides the fact that there is no wearing of the shaft as in the conventional methods.

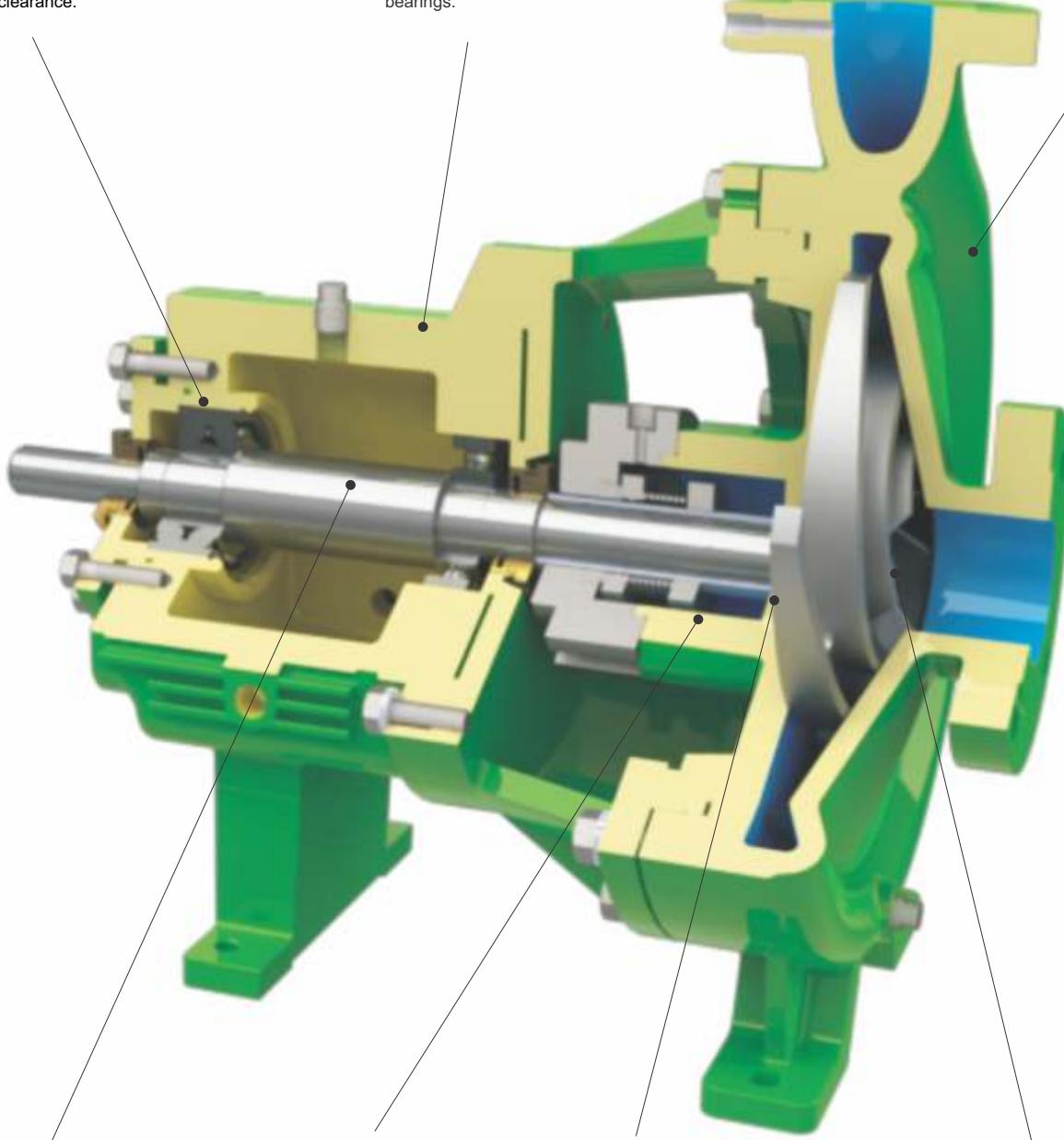


PROJECT

The original characteristics of flow, pressure and efficiency are maintained throughout the use life of the pump through a simple adjustment, controlling the impeller clearance.

Reinforced bearing to reduce vibrations, improving the stability. Improved oil storage capacity that allows longer use life for the bearings.

Housing designed using the "pull-out" concept facilitate maintenance.



Heavy duty shaft design, developed for minimum deflection below 0.05mm to improve the sealing conditions, as per normative requirement.

Sealing box available with gaskets and mechanic seal according to ASME B73.1

Impeller developed to meet the requirements of chemical processes of industries in general, mainly for the pumping of corrosive and abrasive products, solids in suspension and viscous liquids. It has back blades to reduce the axial thrust and reduce the pressure over the sealing box.

Impeller fixed on the shaft through a thread, without the use of a fixation nut, which keeps the impeller entrance free allowing smooth flow and avoiding adherences, interweaving and clogging.

PUMPS APN

ANSI B73.1



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INTERCHANGEABILITY BETWEEN PUMPS

An advantage of the APN line pumps' design is the modular interchangeability, that is, there are several parts that are common to several pump sizes. Thus, when the user has several pump sizes operating the spare parts stock is reduced since the same part will fit more than one size.

In the table below we present the parts interchangeability between the several pump sizes:

| BERING HOUSING 01 | ADAPTER | COVER | IMPELLER | VOLUTE CASING | SIZES |
|-------------------|---------|-------|----------|---------------|-------------|
| | | | | | APN 1.5X1X6 |
| | | | | | APN 3X1.5X6 |
| | | | | | APN 1.5X1X8 |
| | | | | | APN 3X1.5X8 |

| BERING HOUSING 03 | ADAPTER | COVER | IMPELLER | VOLUTE CASING | SIZE |
|-------------------|---------|-------|----------|---------------|--------------|
| | | | | | APN 8X6X13 |
| | | | | | APN 10X8X13 |
| | | | | | APN 8X6X15 |
| | | | | | APN 10X8X15 |
| | | | | | APN 10X8X15G |

| BERING HOUSING 02 | ADAPTER | COVER | IMPELLER | VOLUTE CASING | SIZES |
|-------------------|---------|-------|----------|---------------|--------------|
| | | | | | APN 3X2X8 |
| | | | | | APN 4X3X8 |
| | | | | | APN 4X3X8G |
| | | | | | APN 2X1X10 |
| | | | | | APN 3X1.5X10 |
| | | | | | APN 3X2X10 |
| | | | | | APN 4X3X10 |
| | | | | | APN 6X4X10 |
| | | | | | APN 3X1.5X13 |
| | | | | | APN 3X2X13 |
| | | | | | APN 4X3X13 |
| | | | | | APN 6X4X13 |

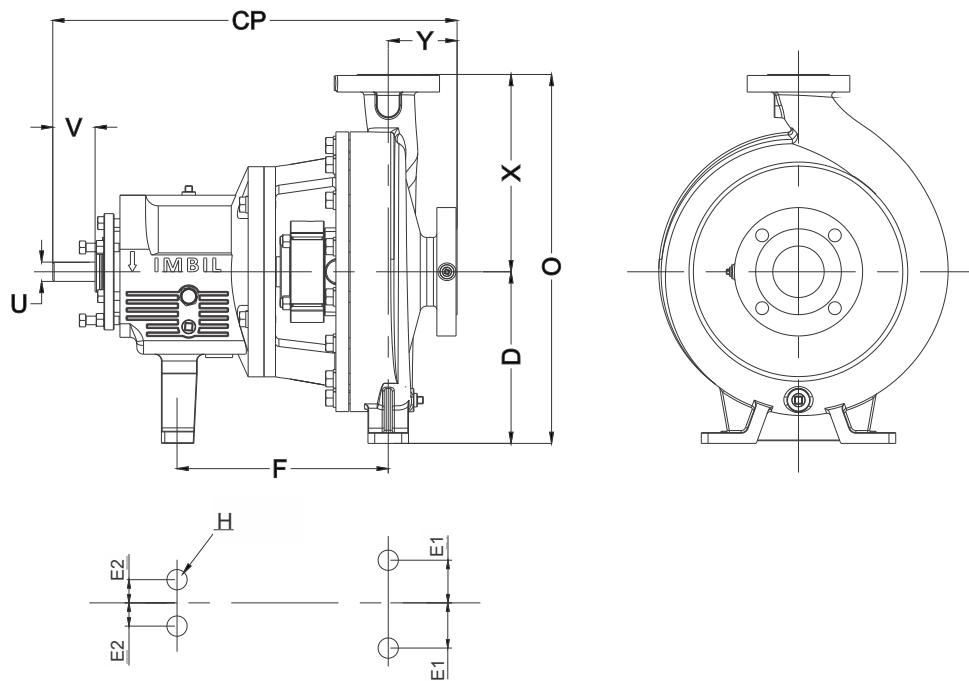


TECHNICAL DATA

| TECHNICAL DATA | | | | | | | | | | | |
|--------------------|------------------|---------------|---------------|-----------------------|-----------------|-------------------------|---------|--------|-----------------|-------------------|------|
| Size | Pump Weight (Kg) | Minimum flow | | Impeller DIA Max (mm) | Number of vanes | Solid Handling DIA (mm) | Bearing | | Bearing Housing | | |
| | | 3500/2900 rpm | 1750/1450 rpm | | | | Radial | Thrust | Size | oil capacity (ml) | |
| APN - 1.5 X 1 X 6 | | ON REQUEST | | | | | | | | 1 | 400 |
| APN - 1.5 X 1 X 8 | 45 | 20% | 10% | 8 (203) | 5 | 0.35 (8,75) | 6207 | 3306 | | | |
| APN - 3 X 1.5 X 6 | | ON REQUEST | | | | | | | | | |
| APN - 3 X 1.5 X 8 | 50 | 20% | 10% | 8 (203) | 5 | 0.44 (11,11) | 6207 | 3306 | | | |
| APN - 3 x 2 x 8 | 95 | 20% | 10% | 8.4 (213) | 5 | 0.5 (12,7) | 6309 | 3309 | | | |
| APN - 4 x 3 x 8 | 100 | 20% | 10% | 8.4 (213) | 5 | 1.125 (28,6) | 6309 | 3309 | | | |
| APN - 4 x 3 x 8G | 100 | 20% | 10% | 8.4 (213) | 5 | 0.69 (17,5) | 6309 | 3309 | | | |
| APN - 2 x 1 x 10 | 95 | 25% | 10% | 10 (254) | 5 | 0.44 (11,11) | 6309 | 3309 | | | |
| APN - 3 X 1.5 X 10 | | ON REQUEST | | | | | | | | | |
| APN - 3 x 2 x 10 | 105 | 30% | 15% | 10 (254) | 5 | 0.37 (9,52) | 6309 | 3309 | | | |
| APN - 4 x 3 x 10 | 120 | 30% | 15% | 10 (254) | 5 | 0.62 (15,87) | 6309 | 3309 | | | |
| APN - 6 x 4 x 10 | 140 | 40% | 20% | 10 (254) | 6 | 1.0 (25,4) | 6309 | 3309 | | | |
| APN - 3 X 1.5 X 13 | | ON REQUEST | | | | | | | | 2 | 1450 |
| APN - 3 x 2 x 13 | 130 | 40% | 15% | 12.6 (320) | 5 | 0.37 (9,52) | 6309 | 3309 | | | |
| APN - 4 x 3 x 13 | 155 | 40% | 40% | 13 (330) | 6 | 0.62 (15,87) | 6309 | 3309 | | | |
| APN - 6 x 4 x 13 | 185 | 40% | 40% | 13 (330) | 6 | 1.0 (25,4) | 6309 | 3309 | | | |
| APN - 8 x 6 x 13 | 255 | 40% | 40% | 13 (330) | 6 | 1.0 (25,4) | 6313 | 3313 | | | |
| APN - 10 x 8 x 13 | 305 | 40% | 40% | 13 (330) | 6 | 1.0 (25,4) | 6313 | 3313 | | | |
| APN - 8 X 6 X 15 | | ON REQUEST | | | | | | | | | |
| APN - 10 x 8 x 15 | 340 | 40% | 50% | 15 (380) | 6 | 1.125 (28,6) | 6313 | 3313 | | | |
| APN - 10 x 8 x 15 | 330 | 40% | 50% | 15 (382) | 6 | 0.81 (20,6) | 6313 | 3313 | | | |



GENERAL ARRANGEMENT

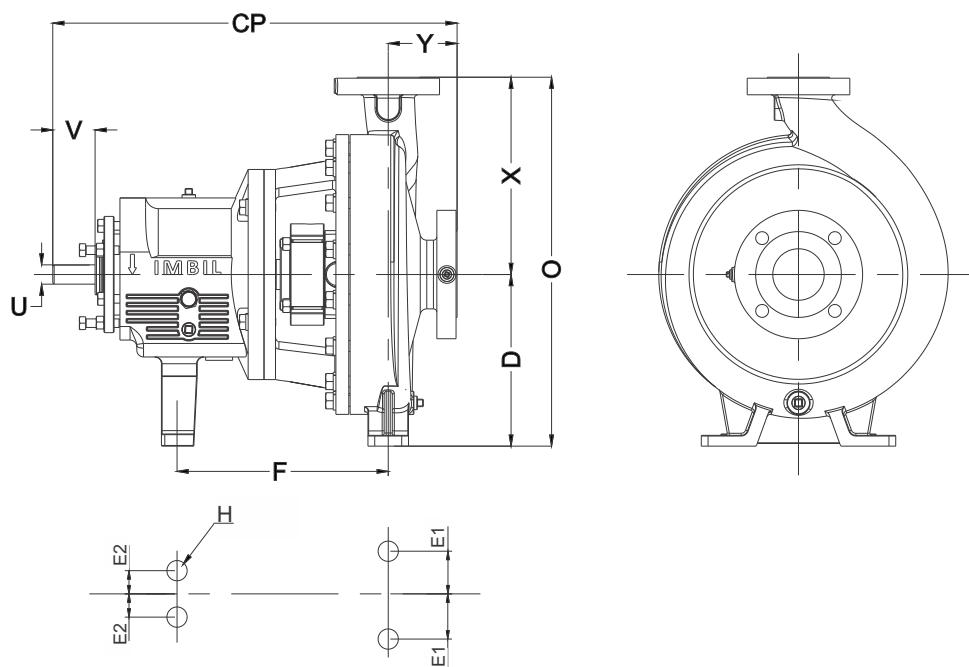


| SIZE ANSI B73.1 | DISCHARGE (*) | SUCTION (*) | DIMENSION (mm) | | | | | | | | U DIA | key | V(Mín) | X | Y |
|--------------------|------------------|----------------|----------------|-----|-------|-------|-----|----|-----|-------|----------------|-----|--------|-----|---|
| | | | CP | D | 2(E1) | 2(E2) | F | H | O | | | | | | |
| AA - 1.5 X 1 X 6 | 25 | 40 | 445 | 133 | 152 | 0 | 184 | 16 | 298 | 22.23 | (4.76 X 2.38) | 51 | 165 | 102 | |
| AA - 1.5 X 1 X 8 | 25 | 40 | 445 | 133 | 152 | 0 | 184 | 16 | 298 | 22.23 | (4.76 X 2.38) | 51 | 165 | 102 | |
| AB - 3 X 1.5 X 6 | 40 | 80 | 445 | 133 | 152 | 0 | 184 | 16 | 298 | 22.23 | (4.76 X 2.38) | 51 | 165 | 102 | |
| AB - 3 X 1.5 X 8 | 40 | 80 | 445 | 133 | 152 | 0 | 184 | 16 | 298 | 22.23 | (4.76 X 2.38) | 51 | 165 | 102 | |
| A60 - 3 X 2 X 8 | 50 | 80 | 597 | 210 | 248 | 184 | 318 | 16 | 450 | 28.58 | (6.35 X 3.18) | 67 | 242 | 102 | |
| A70 - 4 X 3 X 8 | 80 | 100 | 597 | 210 | 248 | 184 | 318 | 16 | 490 | 28.58 | (6.35 X 3.18) | 67 | 280 | 102 | |
| A70 - 4 X 3 X 8 | 80 | 100 | 597 | 210 | 248 | 184 | 318 | 16 | 490 | 28.58 | (6.35 X 3.18) | 67 | 280 | 102 | |
| A05 - 2 X 1 X 10 | 25 | 50 | 597 | 210 | 248 | 184 | 318 | 16 | 425 | 28.58 | (6.35 X 3.18) | 67 | 216 | 102 | |
| A50 - 3 X 1.5 X 10 | 40 | 80 | 597 | 210 | 248 | 184 | 318 | 16 | 425 | 28.58 | (6.35 X 3.18) | 67 | 216 | 102 | |
| A60 - 3 X 2 X 10 | 50 | 80 | 597 | 210 | 248 | 184 | 318 | 16 | 450 | 28.58 | (6.35 X 3.18) | 67 | 242 | 102 | |
| A70 - 4 X 3 X 10 | 80 | 100 | 597 | 210 | 248 | 184 | 318 | 16 | 490 | 28.58 | (6.35 X 3.18) | 67 | 280 | 102 | |
| A80 - 6 X 4 X 10 | 100 | 150 | 597 | 254 | 248 | 184 | 318 | 16 | 597 | 28.58 | (6.35 X 3.18) | 67 | 343 | 102 | |
| A20 - 3 X 1.5 X 13 | 40 | 80 | 597 | 254 | 248 | 184 | 318 | 16 | 520 | 28.58 | (6.35 X 3.18) | 67 | 266 | 102 | |
| A30 - 3 X 2 X 13 | 50 | 80 | 597 | 254 | 248 | 184 | 318 | 16 | 546 | 28.58 | (6.35 X 3.18) | 67 | 292 | 102 | |
| A40 - 4 X 3 X 13 | 80 | 100 | 597 | 254 | 248 | 184 | 318 | 16 | 572 | 28.58 | (6.35 X 3.18) | 67 | 318 | 102 | |
| A80 - 6 X 4 X 13 | 100 | 150 | 597 | 254 | 248 | 184 | 318 | 16 | 597 | 28.58 | (6.35 X 3.18) | 67 | 343 | 102 | |
| A90 - 8 X 6 X 13 | 150 | 200 | 860 | 368 | 406 | 229 | 476 | 22 | 775 | 60.33 | (15.88 X 7.94) | 102 | 406 | 152 | |
| A100 - 10 X 8 X 13 | 200 | 250 | 860 | 368 | 406 | 229 | 476 | 22 | 826 | 60.33 | (15.88 X 7.94) | 102 | 457 | 152 | |
| A110 - 8 X 6 X 15 | 150 | 200 | 860 | 368 | 406 | 229 | 476 | 22 | 826 | 60.33 | (15.88 X 7.94) | 102 | 457 | 152 | |
| A120 - 10 X 8 X 15 | 200 | 250 | 860 | 368 | 406 | 229 | 476 | 22 | 851 | 60.33 | (15.88 X 7.94) | 102 | 483 | 152 | |
| A120 - 10 X 8 X 15 | 200 | 250 | 860 | 368 | 406 | 229 | 476 | 22 | 851 | 60.33 | (15.88 X 7.94) | 102 | 483 | 152 | |

- (*) Flanges according to standard ANSI B16.5 or ANSI B16.1.



DIMENSION DRAWING

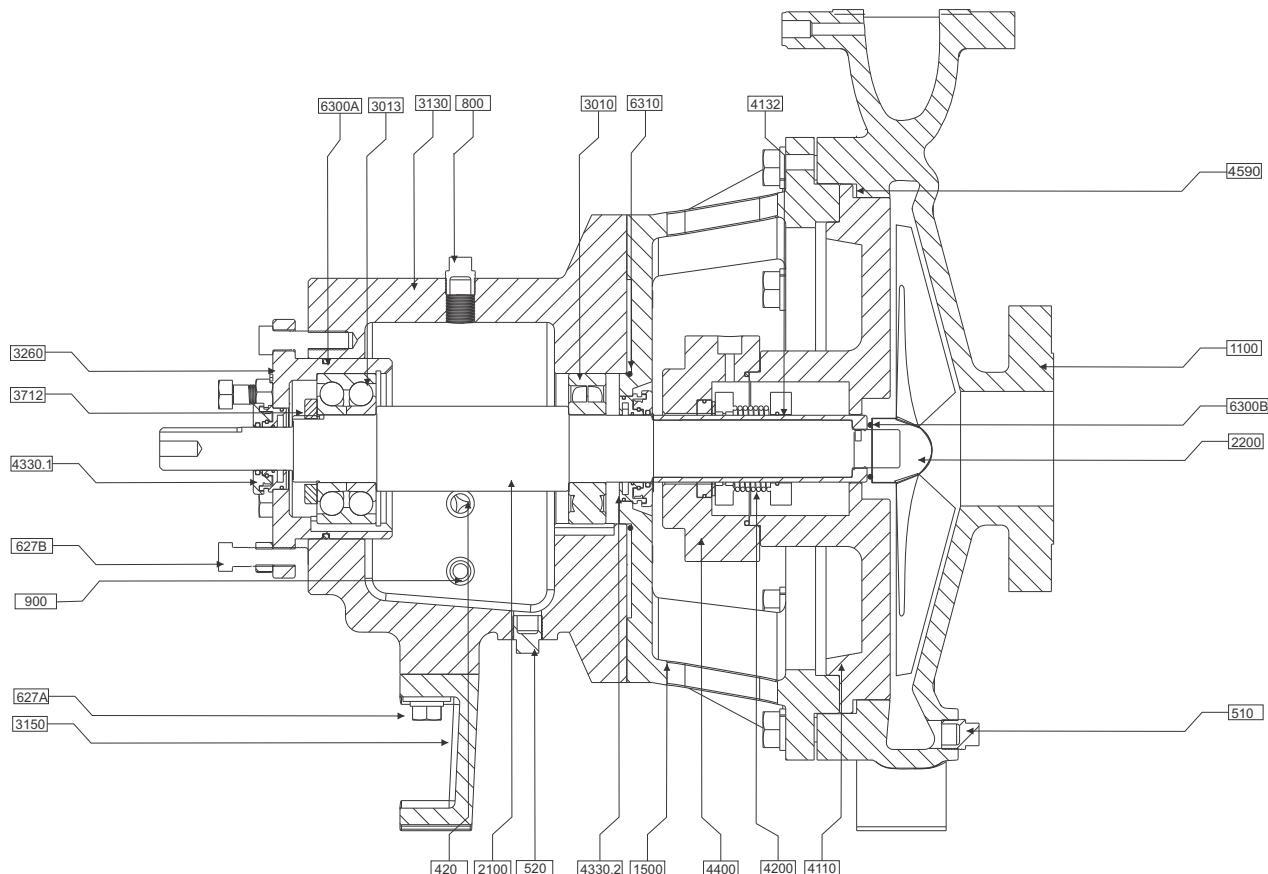


| SIZE ANSI B73.1 | DISCHARGE (*) | SUCTION (*) | DIMENSION (mm) | | | | | | | | | | | |
|--------------------|------------------|----------------|----------------|------|-------|-------|-------|-------|-------|-------|---------------|-------|--------|---|
| | | | CP | D | 2(E1) | 2(E2) | F | H | O | U | DIA | key | V(Mín) | |
| AA - 1.5 X 1 X 6 | 1 | 1.5 | 17.5 | 5.25 | 6 | 0 | 7.25 | 0.625 | 11.75 | 0.875 | 0.188 X 0.094 | 2 | 6.5 | 4 |
| AA - 1.5 X 1 X 8 | 1 | 1.5 | 17.5 | 5.25 | 6 | 0 | 7.25 | 0.625 | 11.75 | 0.875 | 0.188 X 0.094 | 2 | 6.5 | 4 |
| AB - 3 X 1.5 X 6 | 1.5 | 3 | 17.5 | 5.25 | 6 | 0 | 7.25 | 0.625 | 11.75 | 0.875 | 0.188 X 0.094 | 2 | 6.5 | 4 |
| AB - 3 X 1.5 X 8 | 1.5 | 3 | 17.5 | 5.25 | 6 | 0 | 7.25 | 0.625 | 11.75 | 0.875 | 0.188 X 0.094 | 2 | 6.5 | 4 |
| A60 - 3 X 2 X 8 | 2 | 3 | 23.5 | 8.25 | 9.75 | 7.25 | 12.5 | 0.625 | 17.75 | 1.125 | 0.25 X 0.125 | 2.625 | 9.5 | 4 |
| A70 - 4 X 3 X 8 | 3 | 4 | 23.5 | 8.25 | 9.75 | 7.25 | 12.5 | 0.625 | 19.25 | 1.125 | 0.25 X 0.125 | 2.625 | 11 | 4 |
| A70 - 4 X 3 X 8 | 3 | 4 | 23.5 | 8.25 | 9.75 | 7.25 | 12.5 | 0.625 | 19.25 | 1.125 | 0.25 X 0.125 | 2.625 | 11 | 4 |
| A05 - 2 X 1 X 10 | 1 | 2 | 23.5 | 8.25 | 9.75 | 7.25 | 12.5 | 0.625 | 16.75 | 1.125 | 0.25 X 0.125 | 2.625 | 8.5 | 4 |
| A50 - 3 X 1.5 X 10 | 1.5 | 3 | 23.5 | 8.25 | 9.75 | 7.25 | 12.5 | 0.625 | 16.75 | 1.125 | 0.25 X 0.125 | 2.625 | 8.5 | 4 |
| A60 - 3 X 2 X 10 | 2 | 3 | 23.5 | 8.25 | 9.75 | 7.25 | 12.5 | 0.625 | 17.75 | 1.125 | 0.25 X 0.125 | 2.625 | 9.5 | 4 |
| A70 - 4 X 3 X 10 | 3 | 4 | 23.5 | 8.25 | 9.75 | 7.25 | 12.5 | 0.625 | 19.25 | 1.125 | 0.25 X 0.125 | 2.625 | 11 | 4 |
| A80 - 6 X 4 X 10 | 4 | 6 | 23.5 | 10 | 9.75 | 7.25 | 12.5 | 0.625 | 23.5 | 1.125 | 0.25 X 0.125 | 2.625 | 13.5 | 4 |
| A20 - 3 X 1.5 X 13 | 1.5 | 3 | 23.5 | 10 | 9.75 | 7.25 | 12.5 | 0.625 | 20.5 | 1.125 | 0.25 X 0.125 | 2.625 | 10.5 | 4 |
| A30 - 3 X 2 X 13 | 2 | 3 | 23.5 | 10 | 9.75 | 7.25 | 12.5 | 0.625 | 21.5 | 1.125 | 0.25 X 0.125 | 2.625 | 11.5 | 4 |
| A40 - 4 X 3 X 13 | 3 | 4 | 23.5 | 10 | 9.75 | 7.25 | 12.5 | 0.625 | 22.5 | 1.125 | 0.25 X 0.125 | 2.625 | 12.5 | 4 |
| A80 - 6 X 4 X 13 | 4 | 6 | 23.5 | 10 | 9.75 | 7.25 | 12.5 | 0.625 | 23.5 | 1.125 | 0.25 X 0.125 | 2.625 | 13.5 | 4 |
| A90 - 8 X 6 X 13 | 6 | 8 | 33.875 | 14.5 | 16 | 9 | 18.75 | 0.875 | 30.5 | 2.375 | 0.625 X 0.313 | 4 | 16 | 6 |
| A100 - 10 X 8 X 13 | 8 | 10 | 33.875 | 14.5 | 16 | 9 | 18.75 | 0.875 | 32.5 | 2.375 | 0.625 X 0.313 | 4 | 18 | 6 |
| A110 - 8 X 6 X 15 | 6 | 8 | 33.875 | 14.5 | 16 | 9 | 18.75 | 0.875 | 32.5 | 2.375 | 0.625 X 0.313 | 4 | 18 | 6 |
| A120 - 10 X 8 X 15 | 8 | 10 | 33.875 | 14.5 | 16 | 9 | 18.75 | 0.875 | 33.5 | 2.375 | 0.625 X 0.313 | 4 | 19 | 6 |
| A120 - 10 X 8 X 15 | 8 | 10 | 33.875 | 14.5 | 16 | 9 | 18.75 | 0.875 | 33.5 | 2.375 | 0.625 X 0.313 | 4 | 19 | 6 |

Flanges according to standard ANSI B16.5
or ANSI B16.1.



SECTIONAL DRAWING



| REF. | DESCRIPTION | REF. | DESCRIPTION |
|------|------------------------------|--------|--------------------------------|
| 420 | Bull eye | | |
| 510 | Casing Drain Plug (Optional) | 3150 | Foot |
| 520 | Magnetic Drain | 3260 | Bearing End Cover |
| 627A | Screw | 3712 | Bearing Locknut and Lockwasher |
| 627B | Screw | 4110 | Cover |
| 800 | Vent | 4132 | Shaft Sleeve |
| 900 | Plug | 4200 | Seal Chamber (Mechanical Seal) |
| 1100 | Casing | 4330.1 | INPRO Oil Seal (Optional) |
| 1500 | Adapter | 4330.2 | INPRO Oil Seal (Optional) |
| 2100 | Shaft | 4400 | Gland |
| 2200 | Impeller | 4590 | Casing Gasket |
| 3010 | Radial Bearing | 6300A | O-ring Bearing Housing |
| 3013 | Thrust Bearing | 6300B | O-ring Impeller |
| 3130 | Bearing Housing | 6310 | O-ring Adapter |
| | | | |



MATERIALS

| Number Item | Part Name | MATERIALS | | | | | | | | | | |
|-------------|--------------------------------|--------------|-------|----------------------|--------------|----------|-----------|-----------------|--|--|--|--|
| | | Ductile Iron | 316SS | DUPLEX | SUPER DUPLEX | ALLOY 20 | MONEL | HASTELLOY B & C | | | | |
| 420 | Bull Eye | Steel/Glass | | | | | | | | | | |
| 510 | Casing Drain Plug (Optional) | Steel | 316SS | Alloy 20 | | Monel | Hastelloy | | | | | |
| 627A | Screw | Steel | | | | | | | | | | |
| 627B | Screw | Steel | | | | | | | | | | |
| 800 | Vent | Steel | | | | | | | | | | |
| 1100 | Casing | Ductile Iron | 316SS | Duplex | S. Duplex | Alloy 20 | Monel | Hastelloy | | | | |
| 1500 | Adapter | Ductile Iron | | | | | | | | | | |
| 2100 | Shaft | SAE4140 | | | | | 316SS | | | | | |
| 2200 | Impeller | Ductile Iron | 316SS | Duplex | S. Duplex | Alloy 20 | Monel | Hastelloy | | | | |
| 3010 | Radial Bearing | Single row | | | | | | | | | | |
| 3013 | Thrust Bearing | Double row | | | | | | | | | | |
| 3130 | Bearing Housing | Ductile Iron | | | | | | | | | | |
| 3150 | Foot | Ductile Iron | | | | | | | | | | |
| 3260 | Bearing End Cover | Ductile Iron | | | | | | | | | | |
| 3500 | Packing Gland | Ductile Iron | 316SS | Duplex | S. Duplex | Alloy 20 | Monel | Hastelloy | | | | |
| 3600 | Lantern Ring | 316SS | | | | | | | | | | |
| 3712 | Bearing Locknut and Lockwasher | Steel | | | | | | | | | | |
| 4110 | Cover | Ductile Iron | 316SS | Duplex | S. Duplex | Alloy 20 | Monel | Hastelloy | | | | |
| 4132 | Shaft Sleeve | 316SS | | Alloy 20 | | | Monel | Hastelloy | | | | |
| 4200 | Seal Chamber (Mechanical Seal) | ASME B73.1 | | | | | | | | | | |
| 4330.1 | INPRO Oil Seal | BRZ | | | | | | | | | | |
| 4330.2 | INPRO Oil Seal | BRZ | | | | | | | | | | |
| 4400 | Gland | 316SS | | As seal manufacturer | | | | | | | | |
| 4590 | Casing Gasket | | | | | | | | | | | |

NOTE

Reserve the right to make changes in our products, whenever necessary, without, therefore, incur obligations of any kind.

PUMPS APN

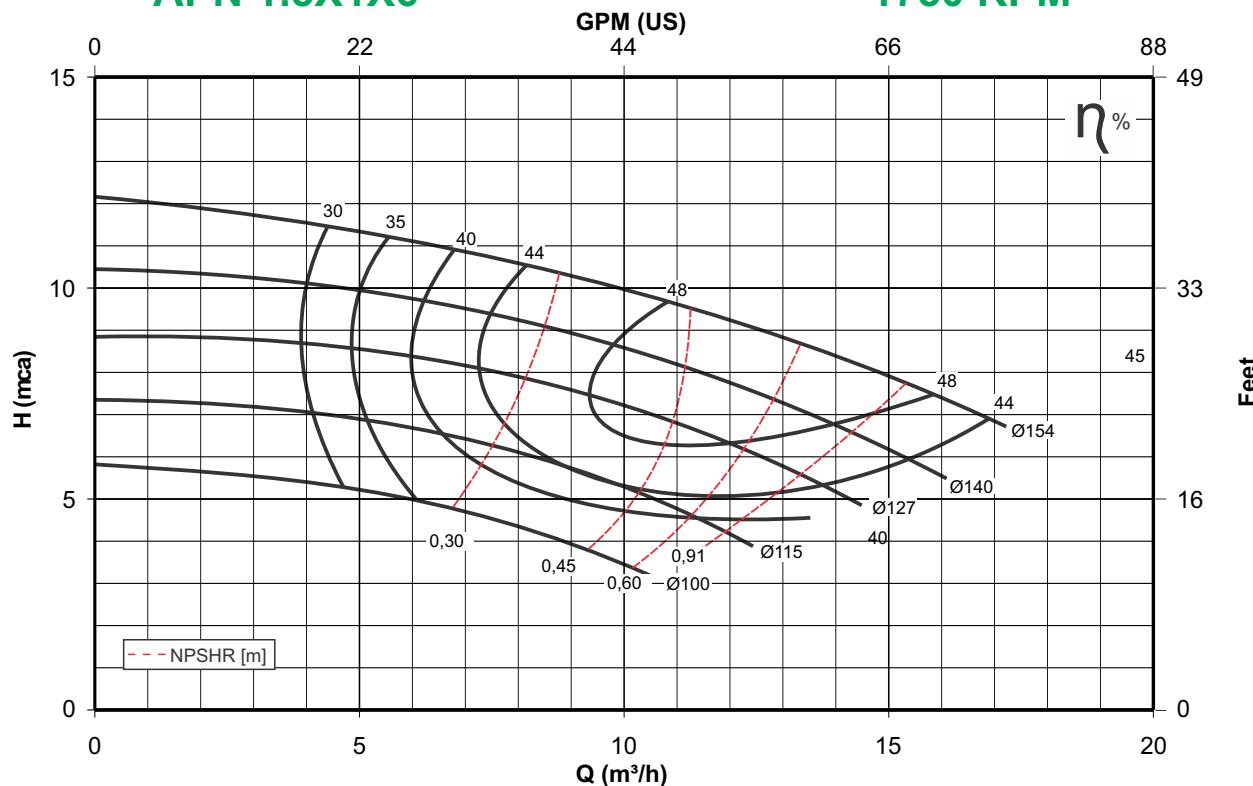
ANSI B73.1



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Pumping Solutions

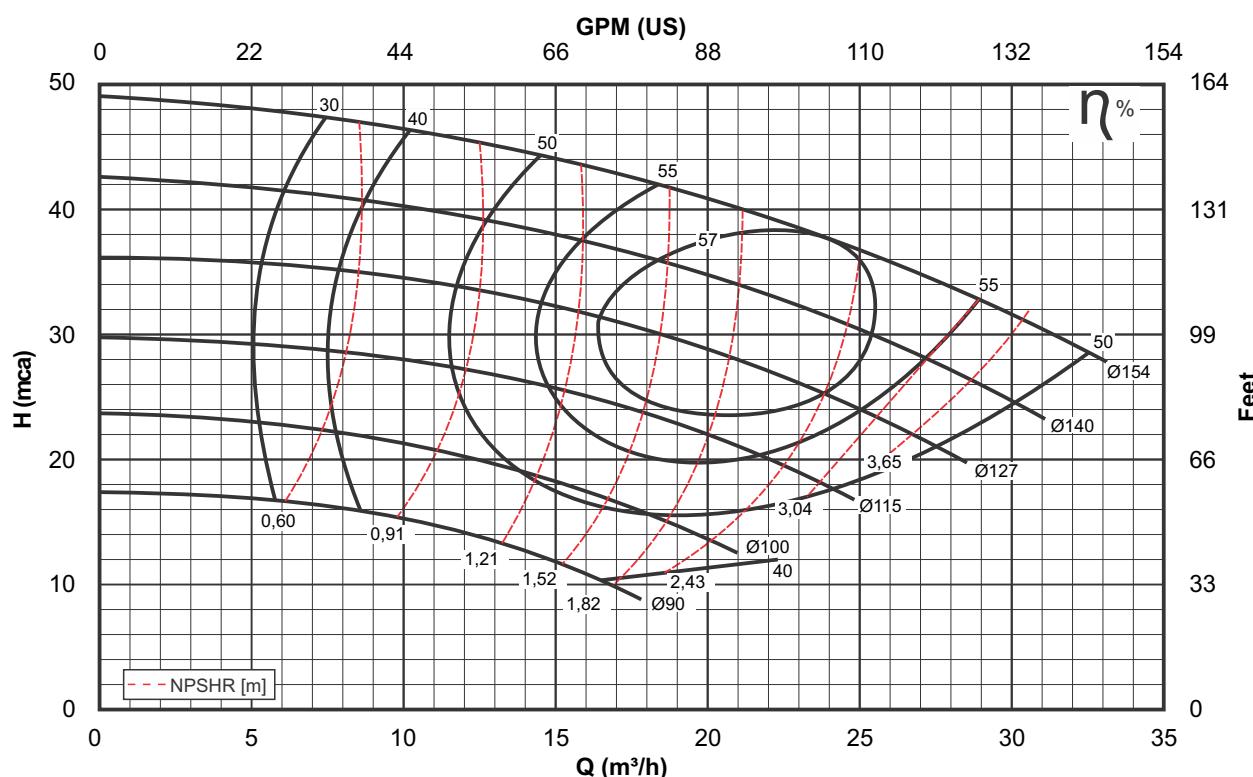
APN 1.5X1X6

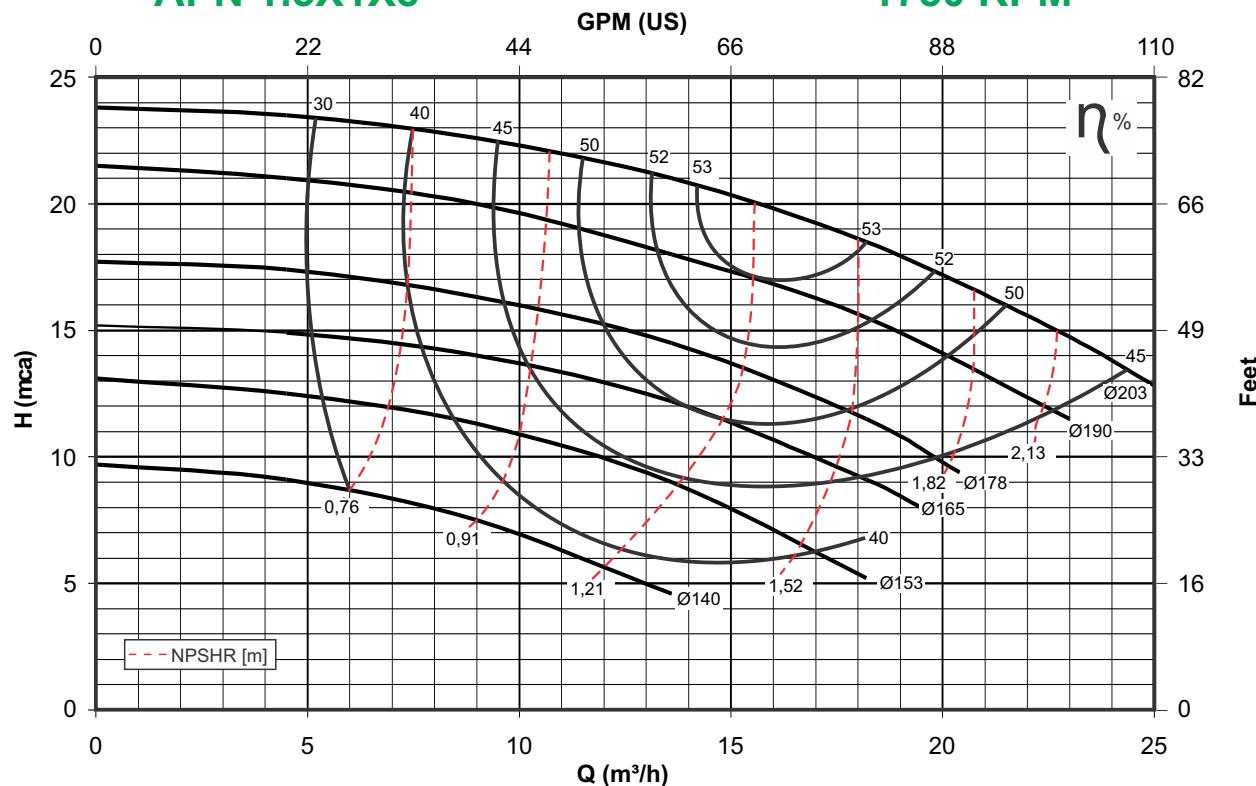
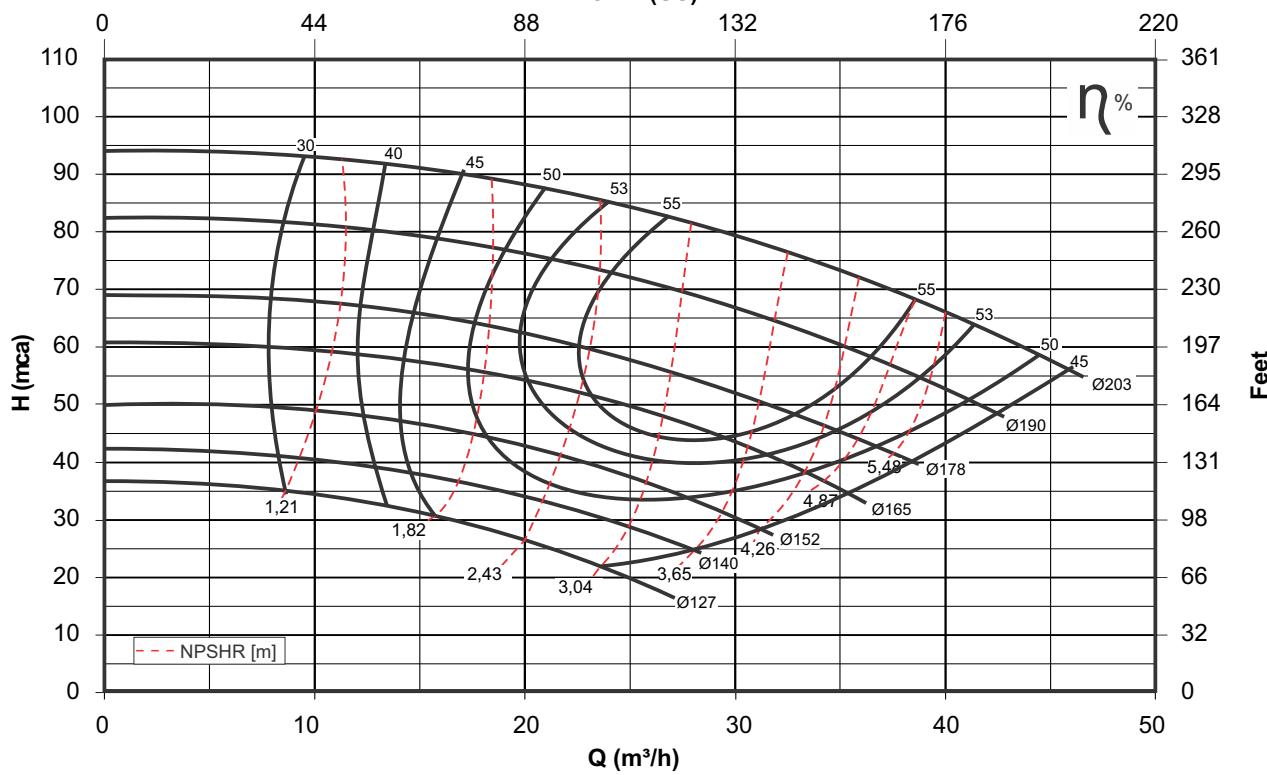
1750 RPM



APN 1.5X1X6

3500 RPM



**APN 1.5X1X8****1750 RPM****APN 1.5X1X8****GPM (US)****3500 RPM**

PUMPS APN

ANSI B73.1

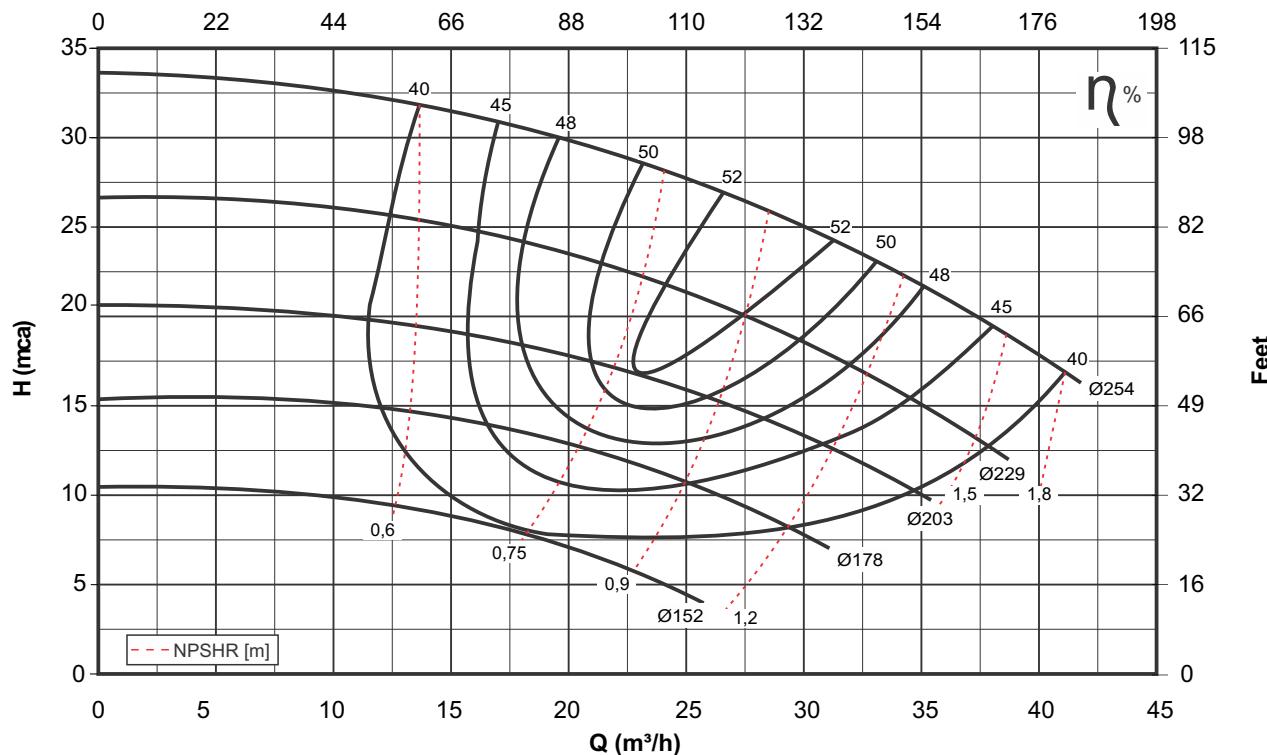


IMBIL®
Pumping Solutions

APN 1,5X3X10

GPM (US)

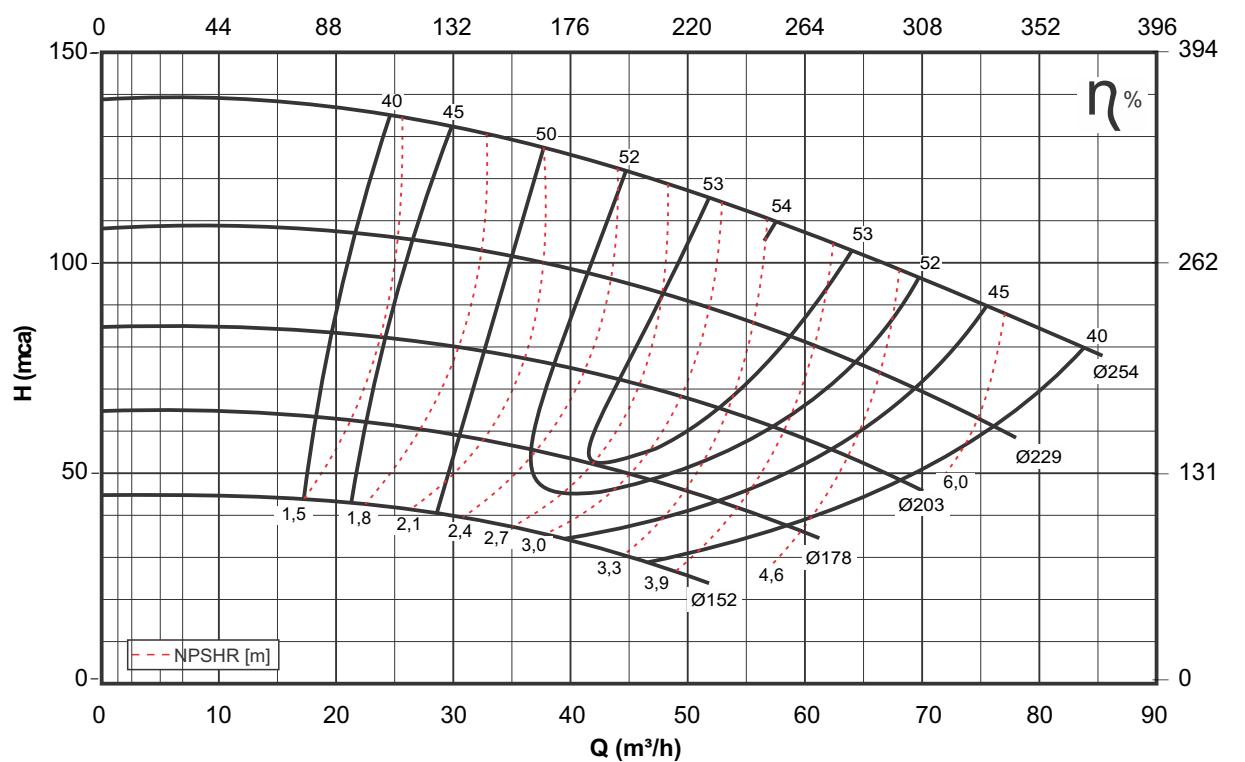
1750 RPM



APN 1,5X3X10

GPM (US)

3500 RPM



PUMPS APN

ANSI B73.1

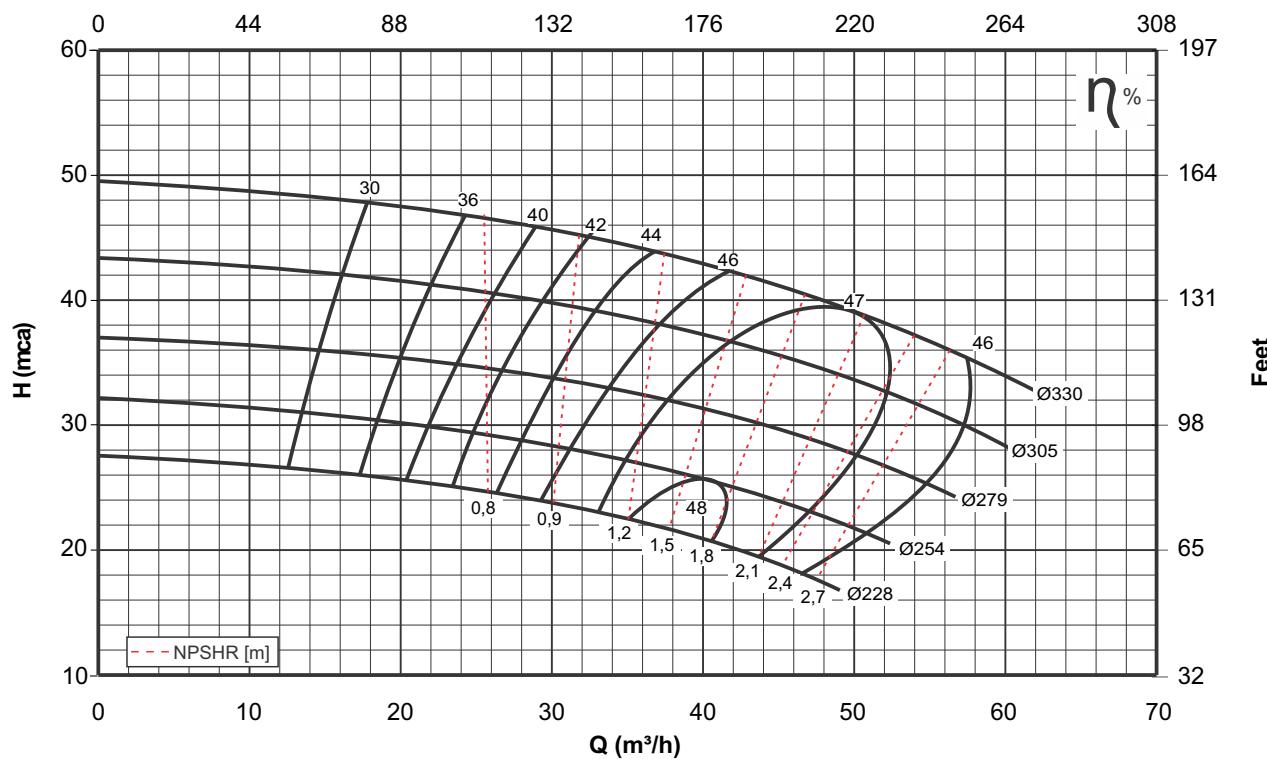


IMBIL®
Pumping Solutions

APN 1,5X3X13

GPM (US)

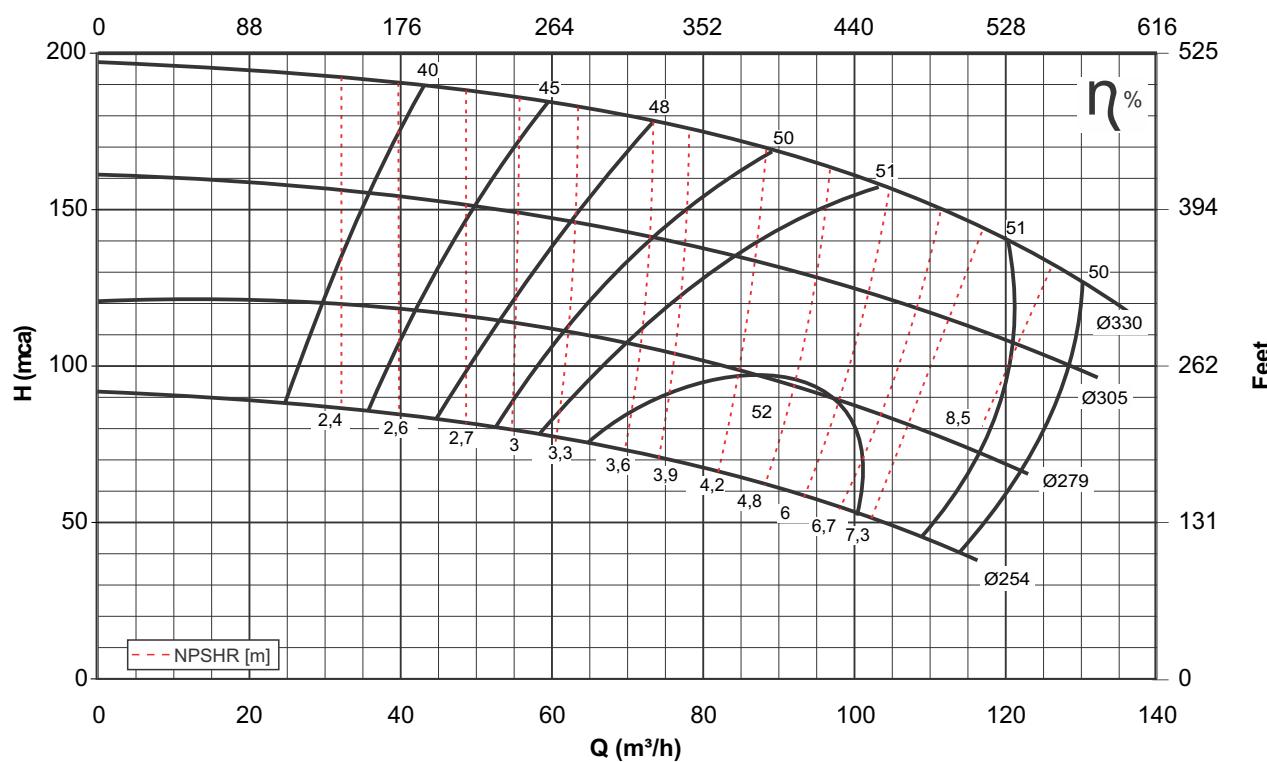
1750 RPM



APN 1,5X3X13

GPM (US)

3500 RPM



PUMPS APN

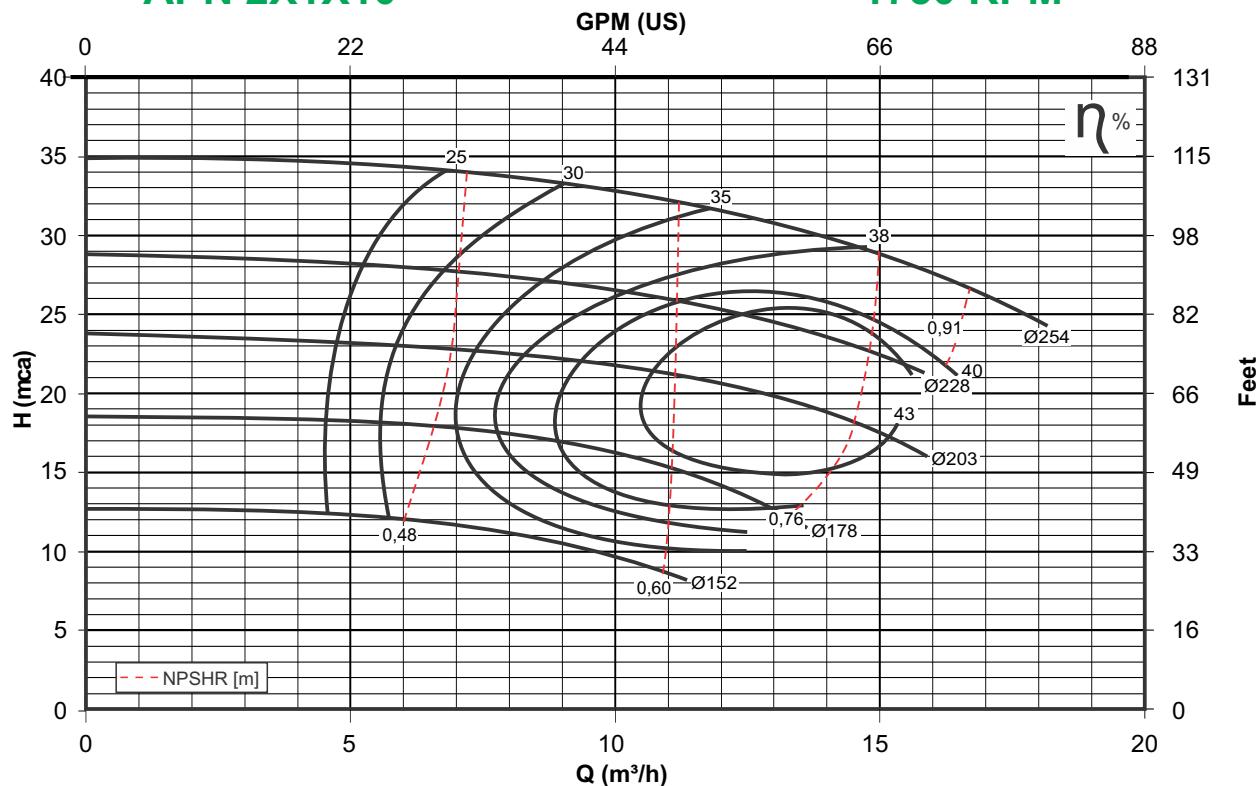
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APN 2X1X10

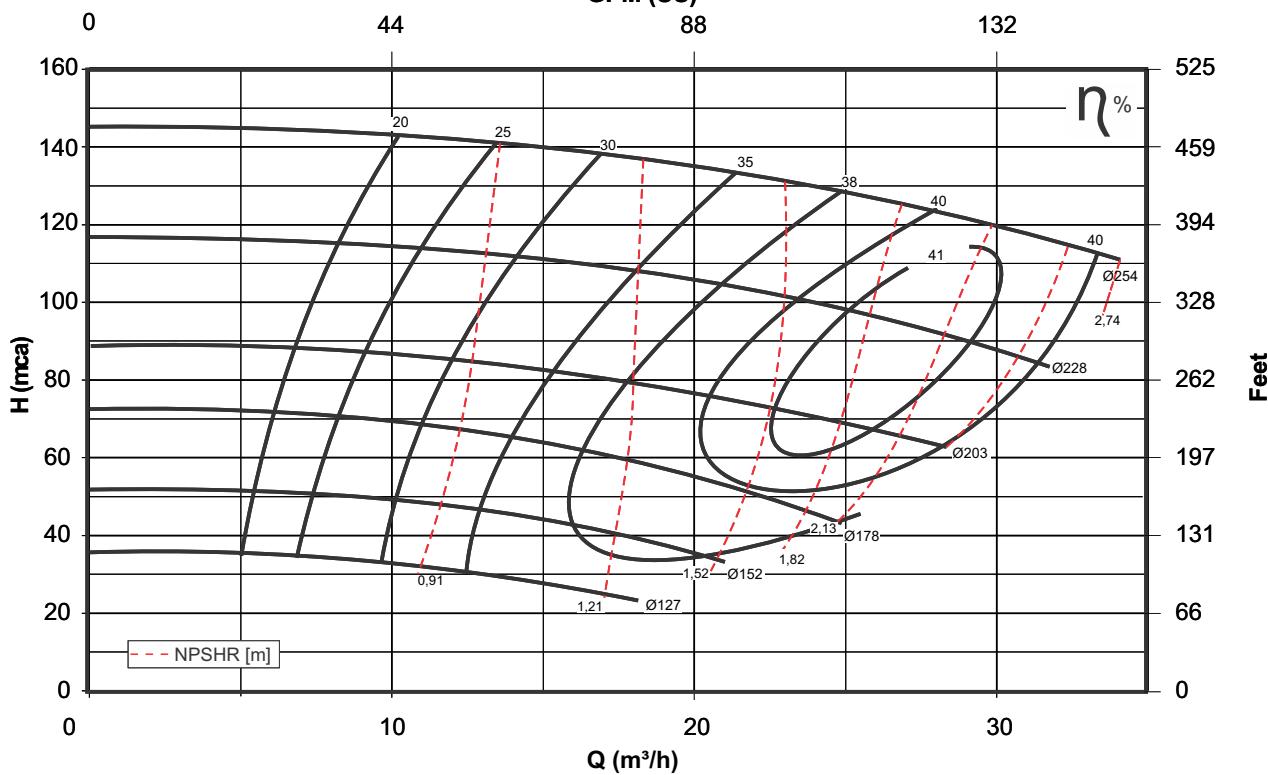
1750 RPM



APN 2X1X10

GPM (US)

3500 RPM



PUMPS APN

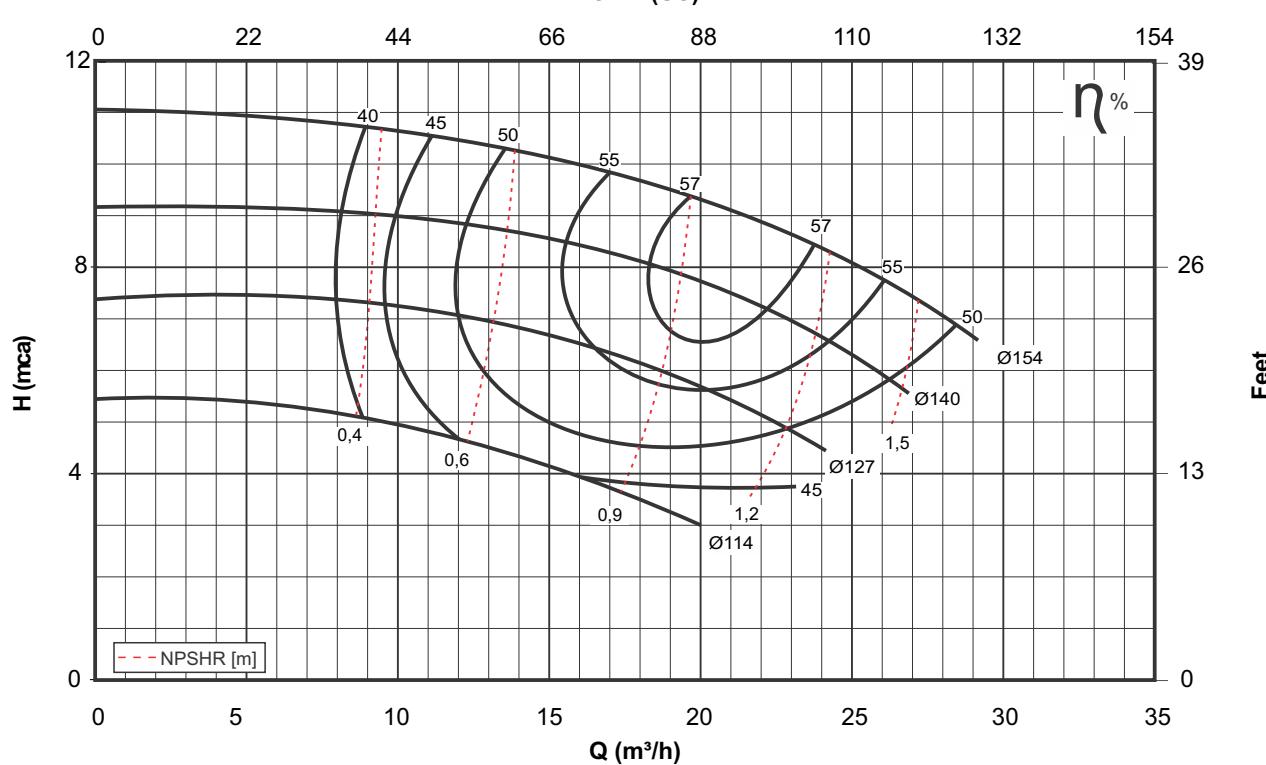
ANSI B73.1



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APN 3X1,5X6

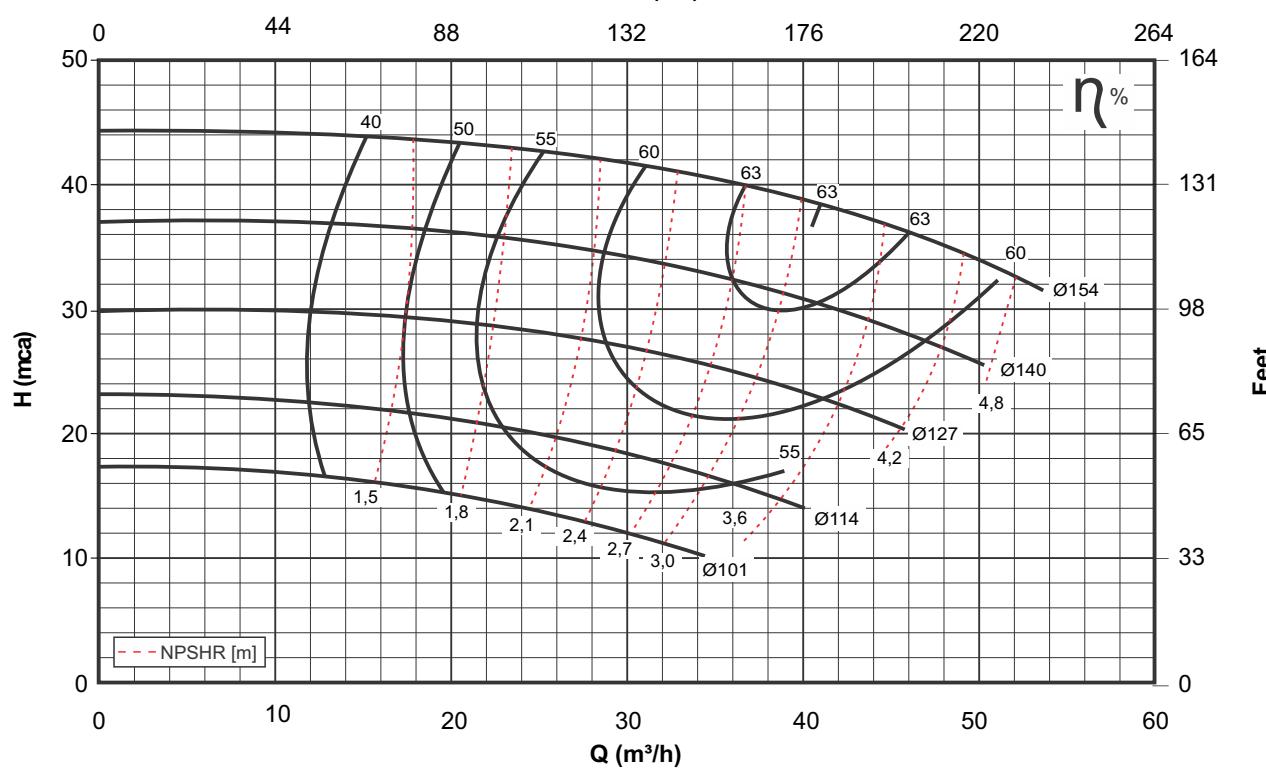
1750 RPM

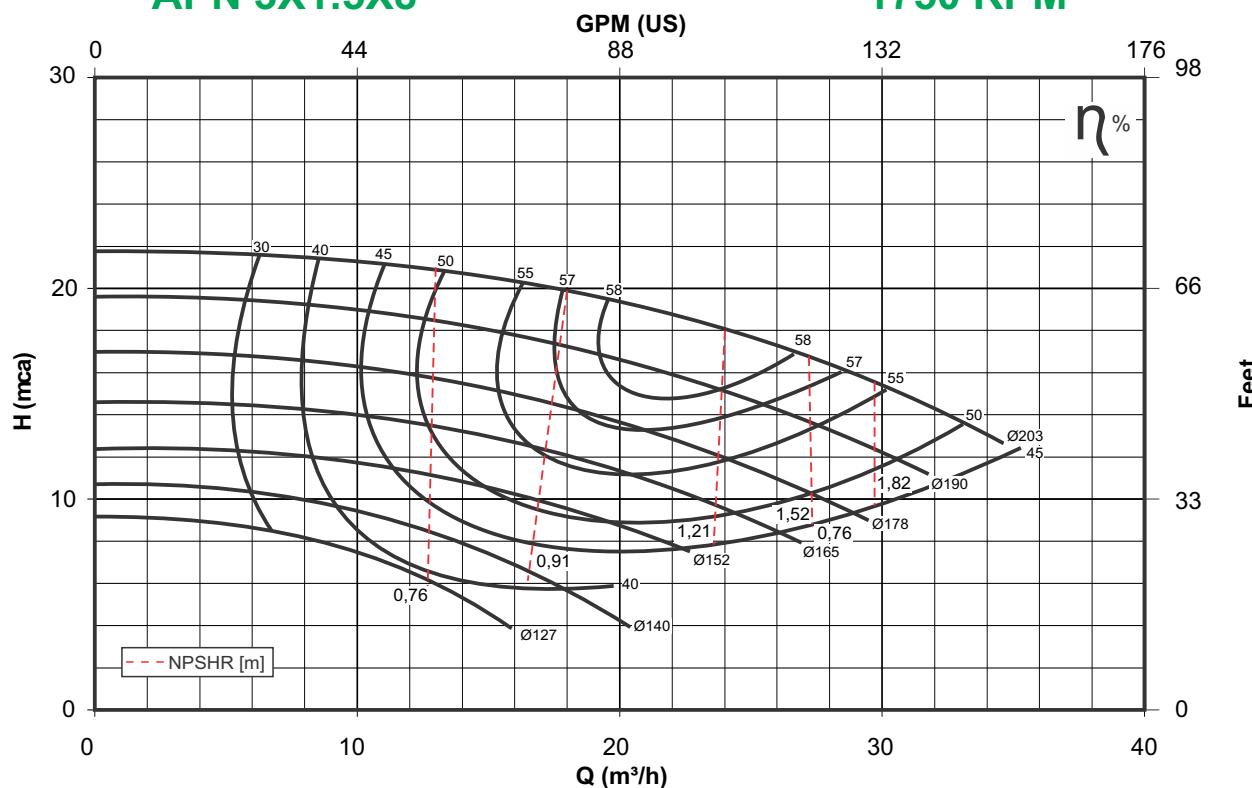
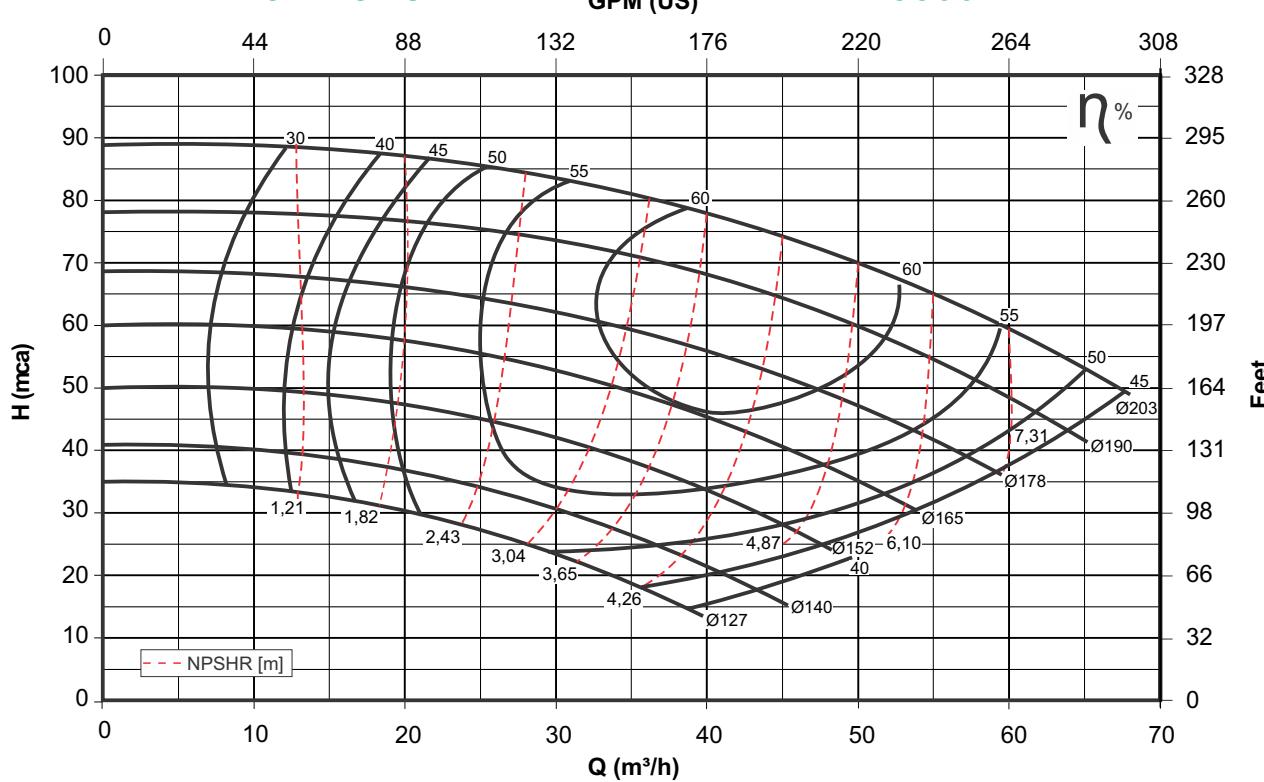


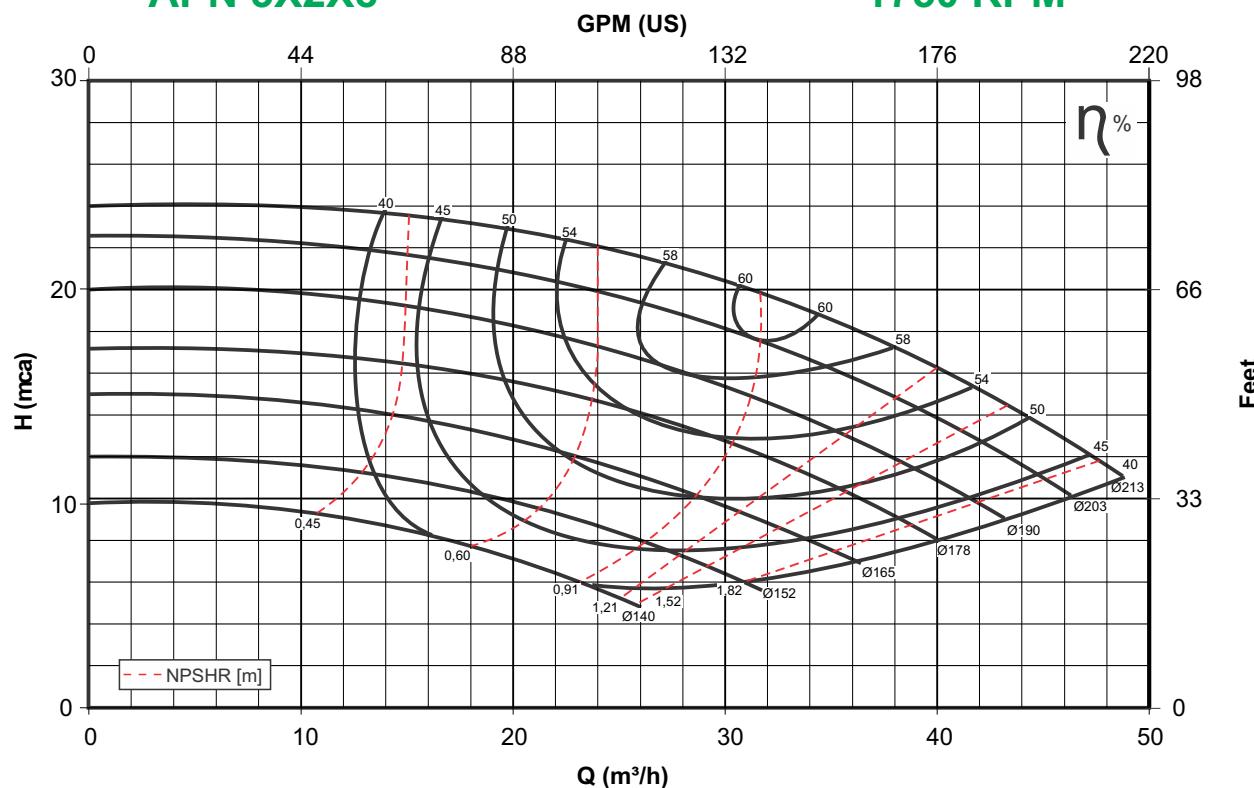
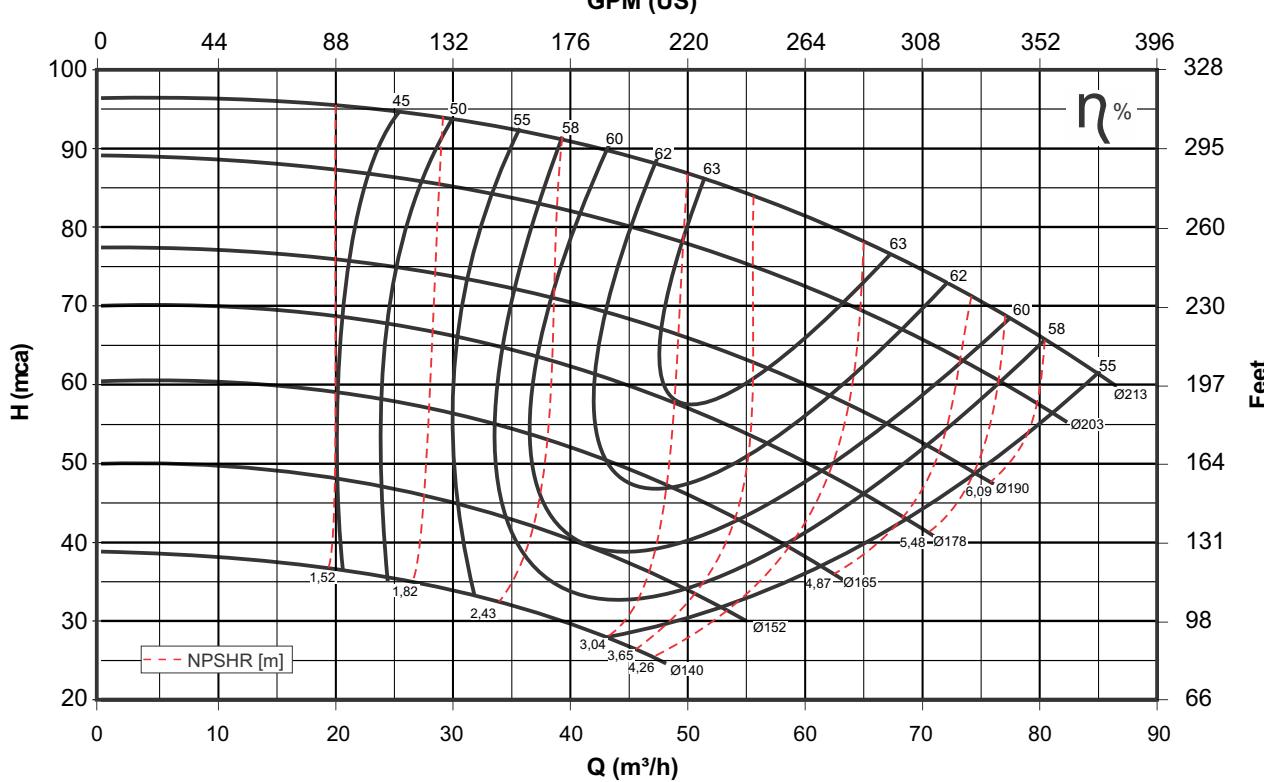
APN 3X1,5X6

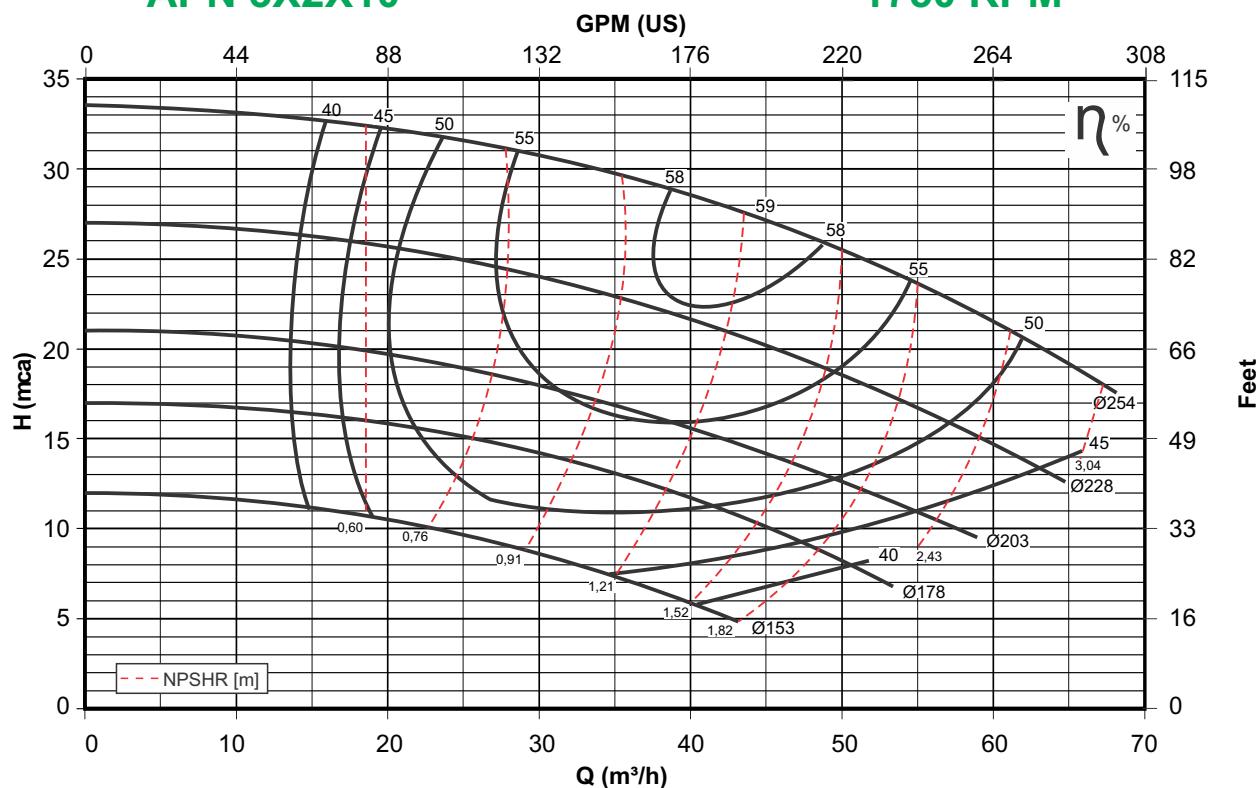
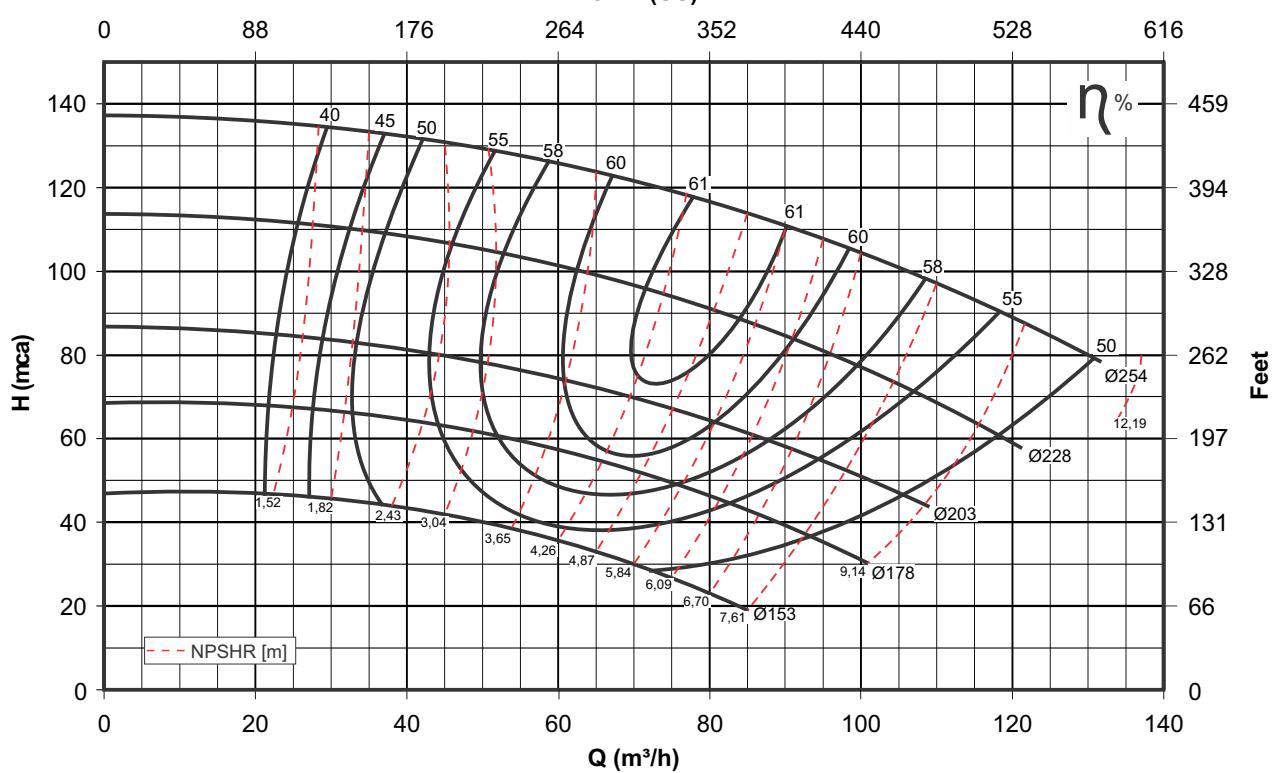
GPM (US)

3500 RPM



**APN 3X1.5X8****1750 RPM****APN 3X1.5X8****GPM (US)****3500 RPM**

**APN 3X2X8****1750 RPM****APN 3X2X8****3500 RPM**

**APN 3X2X10****1750 RPM****APN 3X2X10****GPM (US)****3550 RPM**

PUMPS APN

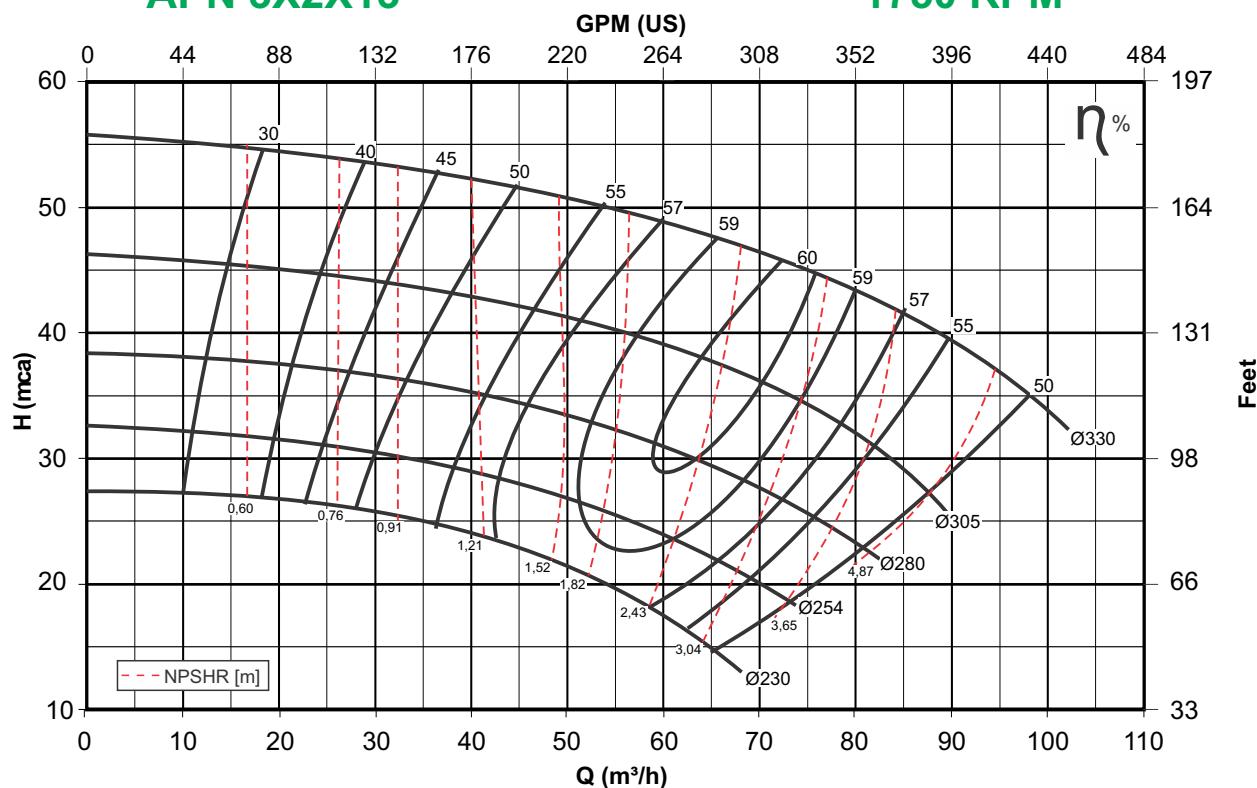
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APN 3X2X13

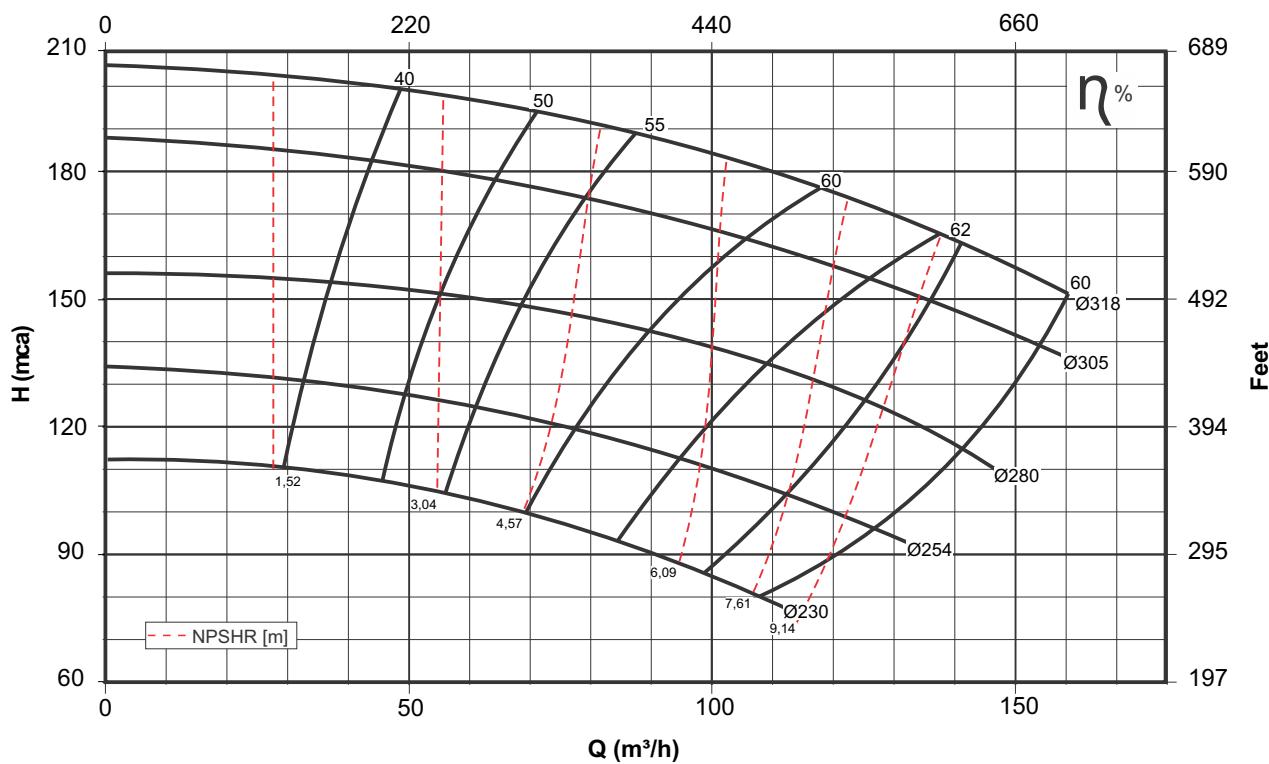
1750 RPM



APN 3X2X13

GPM (US)

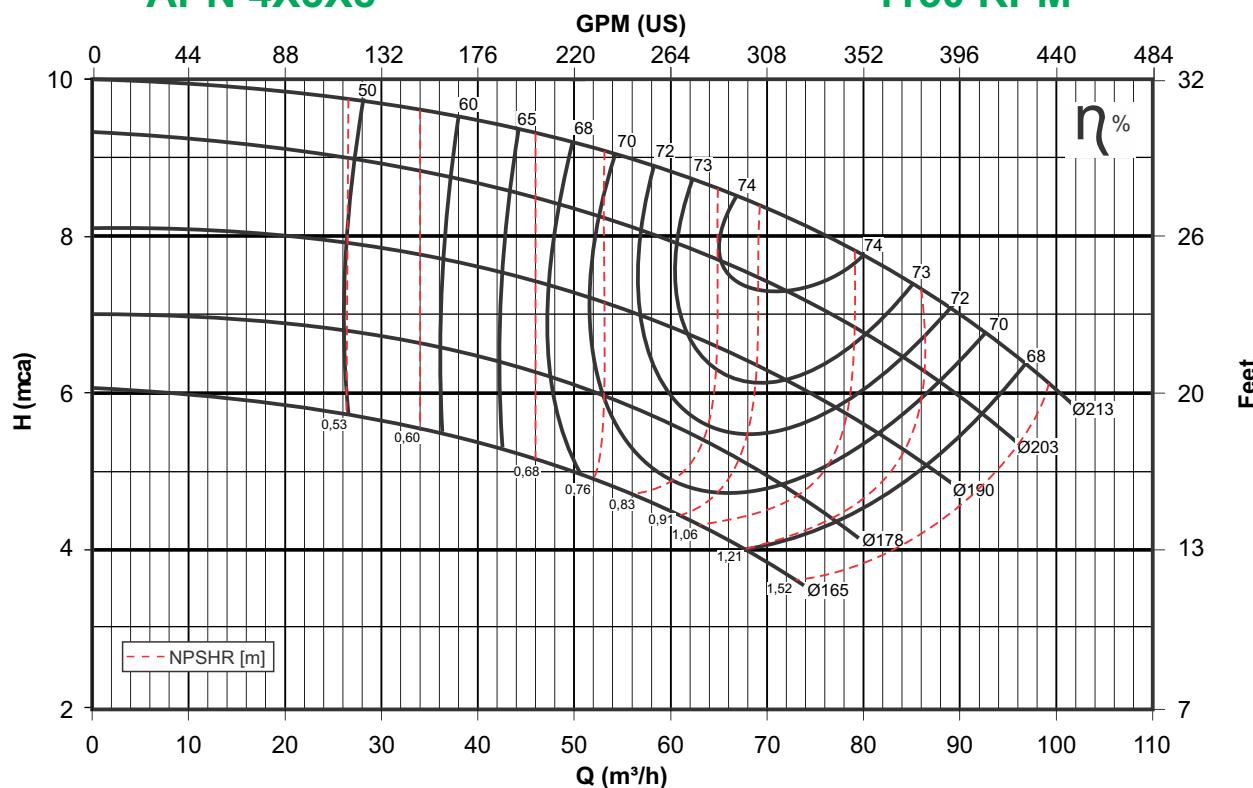
3500 RPM





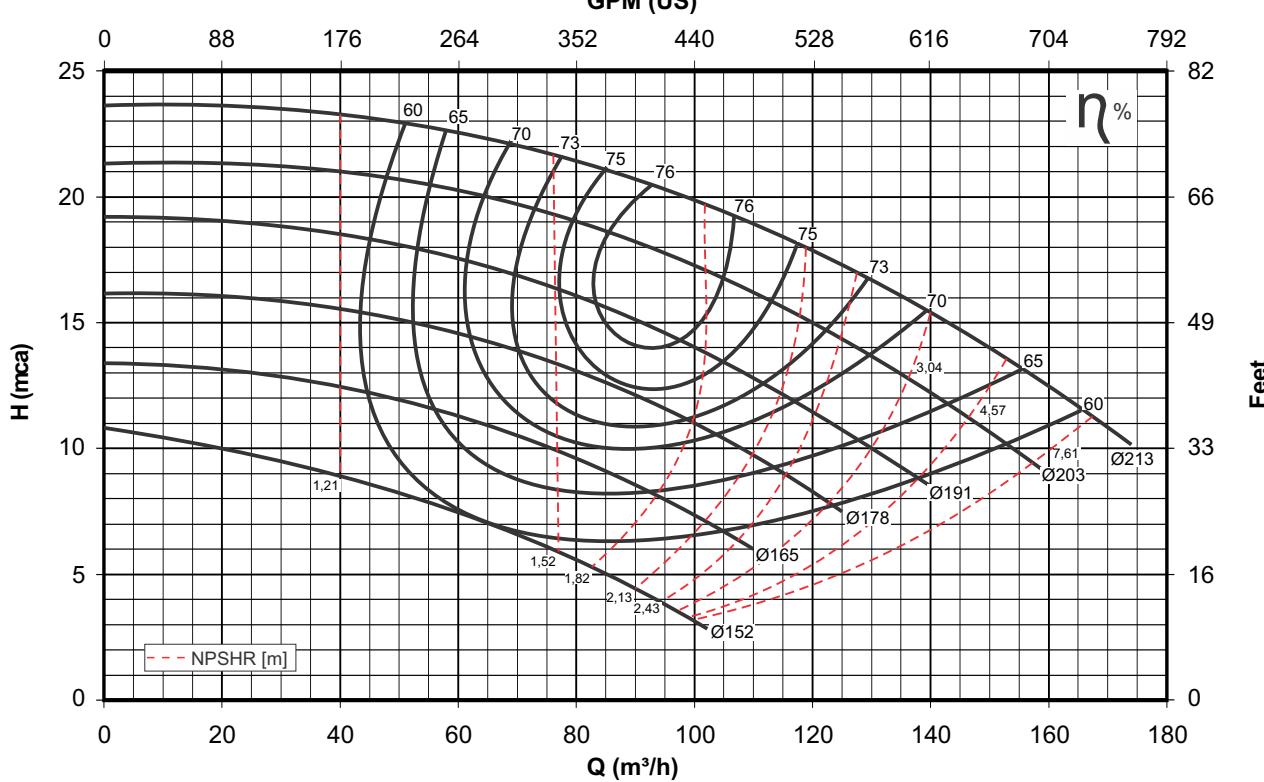
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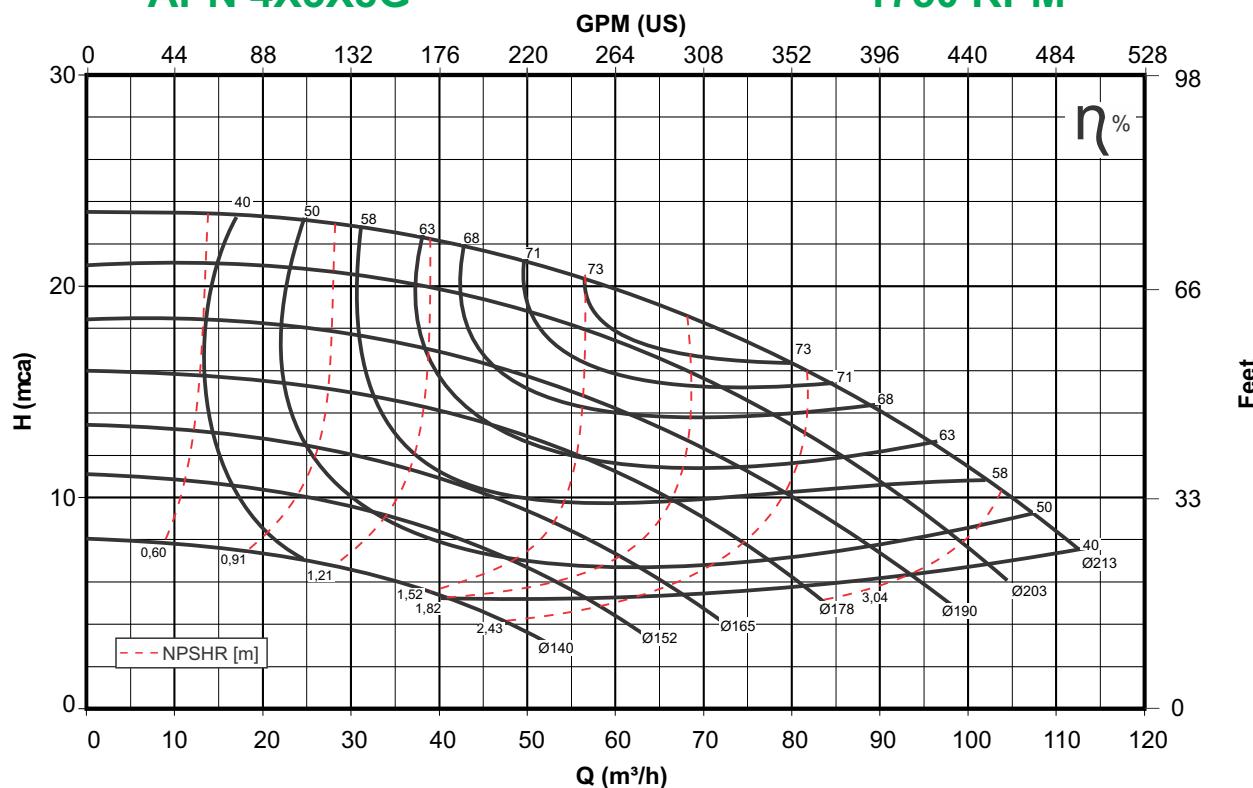
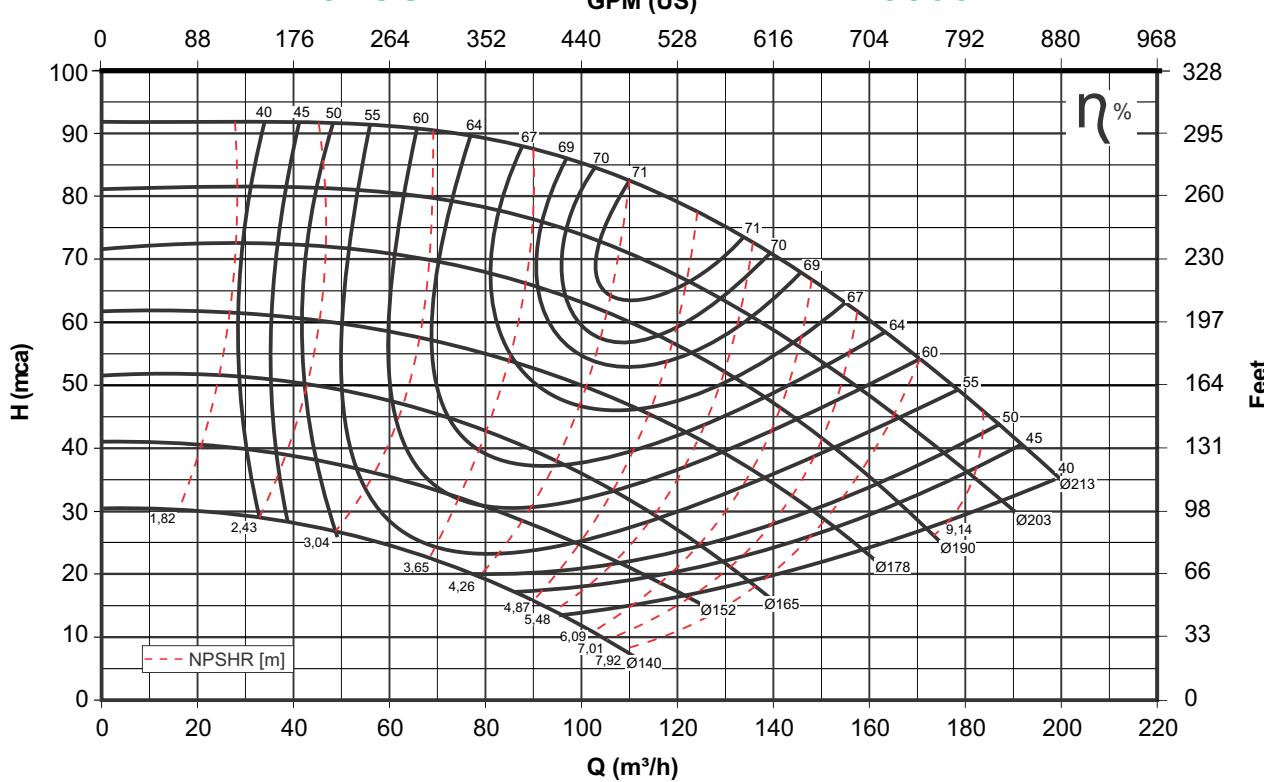
1150 RPM



APN 4X3X8

1750 RPM



**APN 4X3X8G****1750 RPM****APN 4X3X8G****3500 RPM**

PUMPS APN

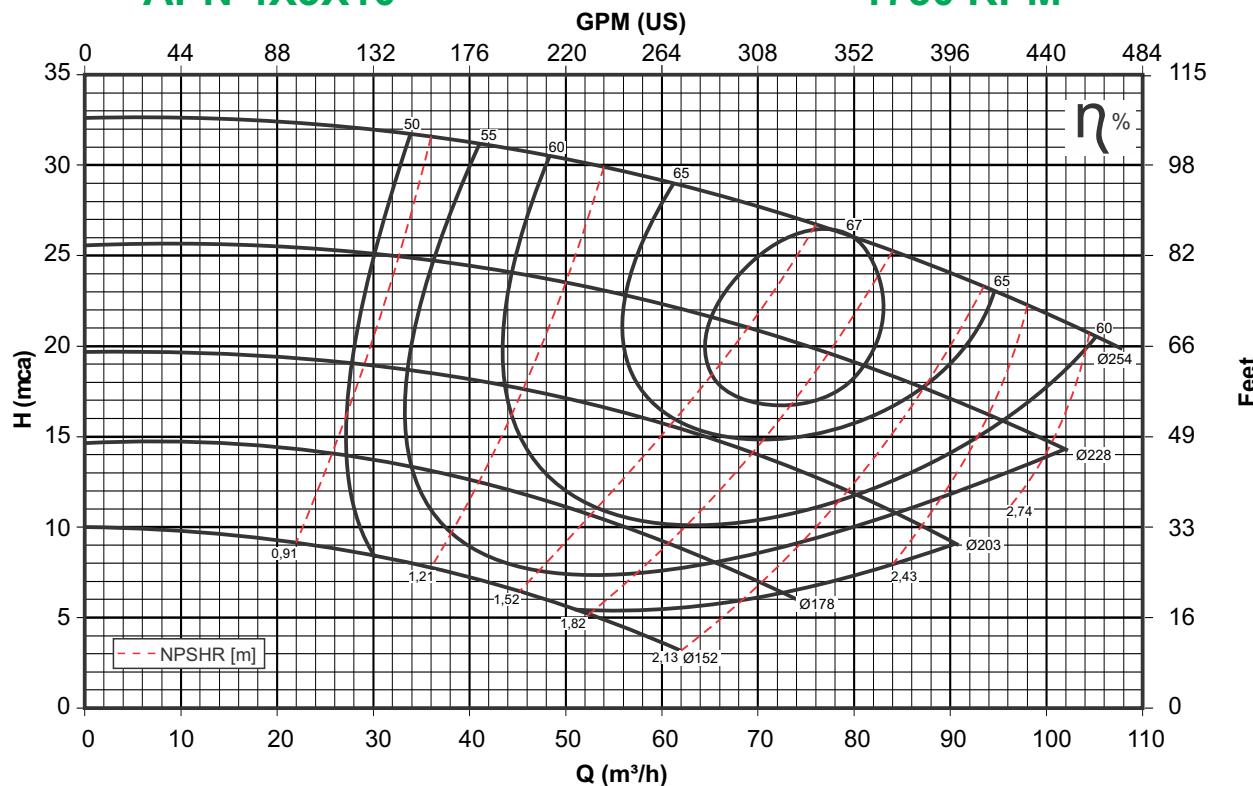
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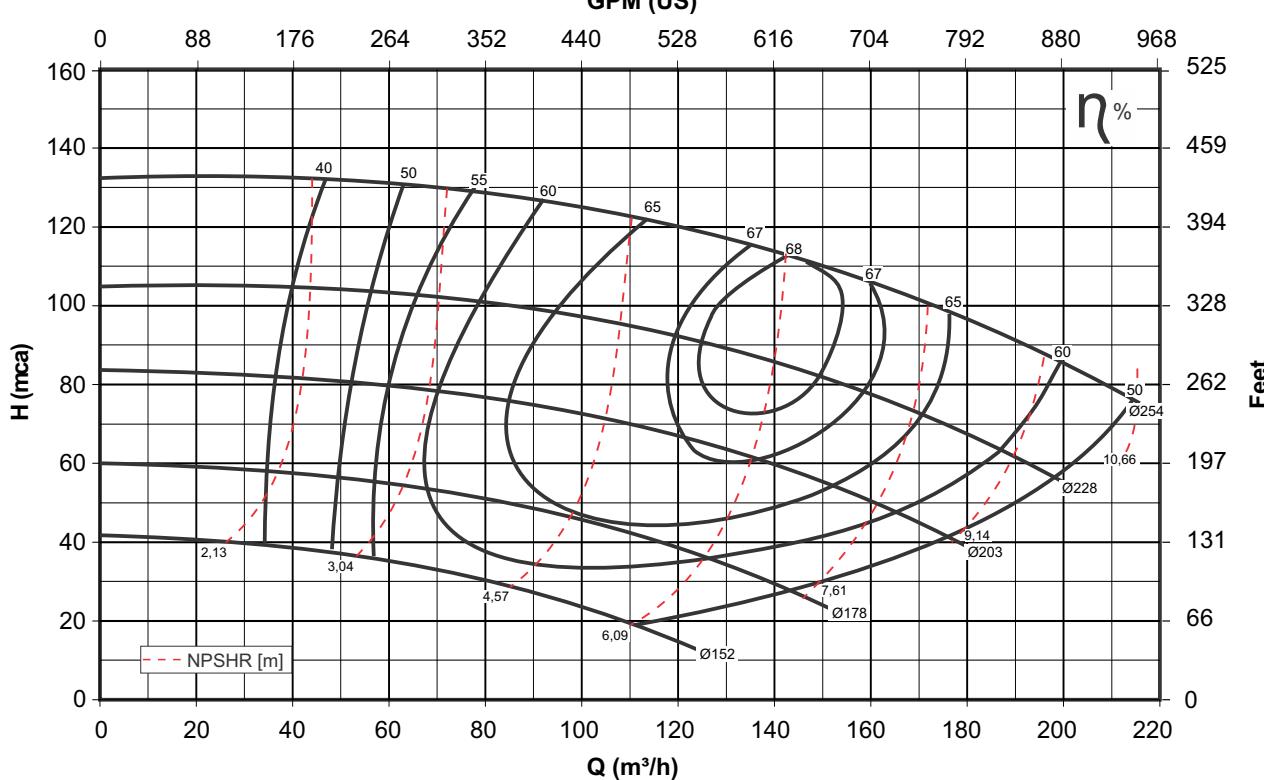
APN 4X3X10

1750 RPM



APN 4X3X10

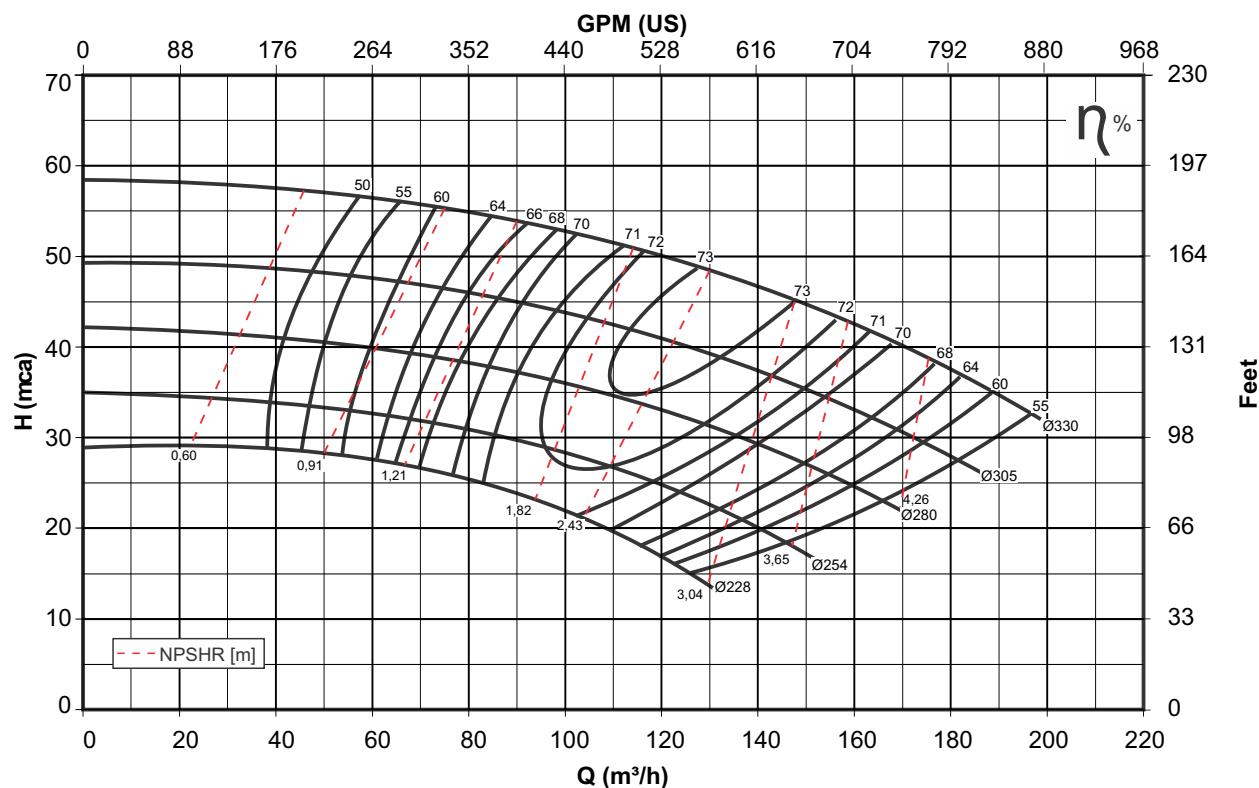
3500 RPM





APN 4X3X13

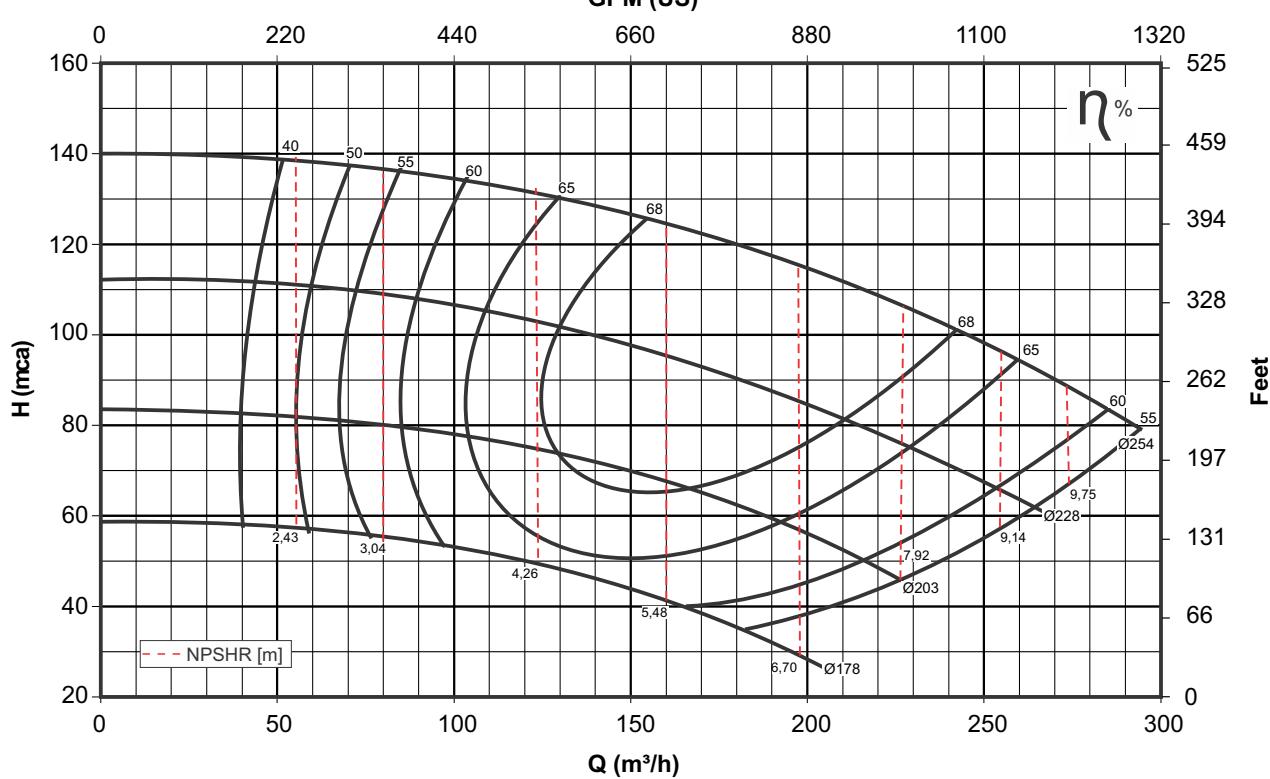
1750 RPM

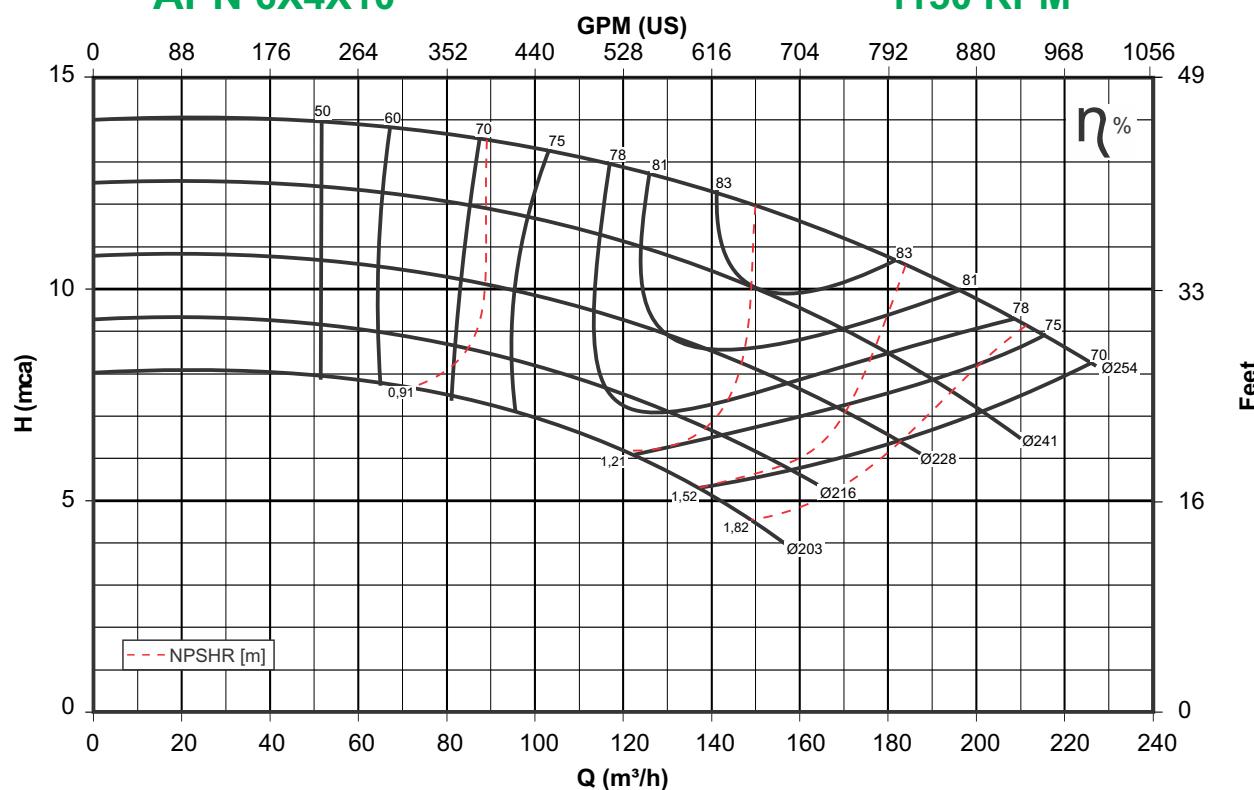
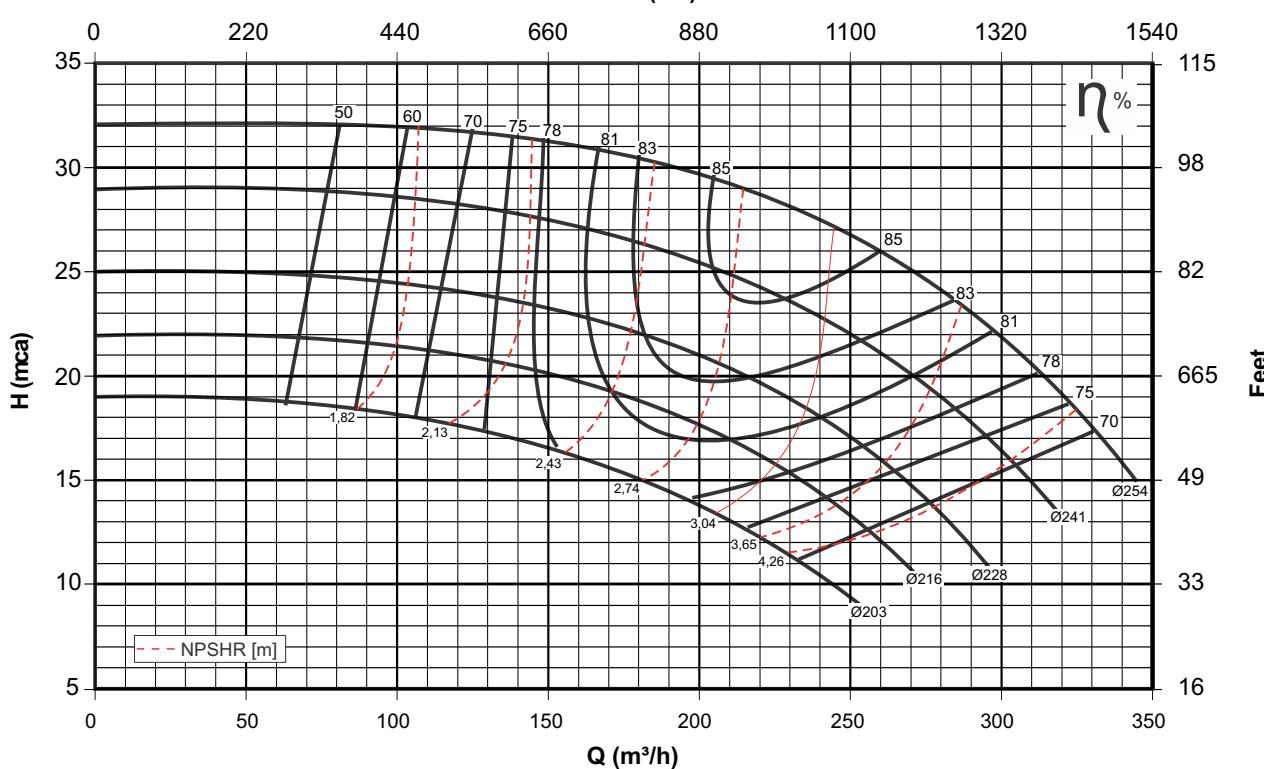


APN 4X3X13

GPM (US)

3500 RPM



**APN 6X4X10****1150 RPM****APN 6X4X10****1770 RPM**

PUMPS APN

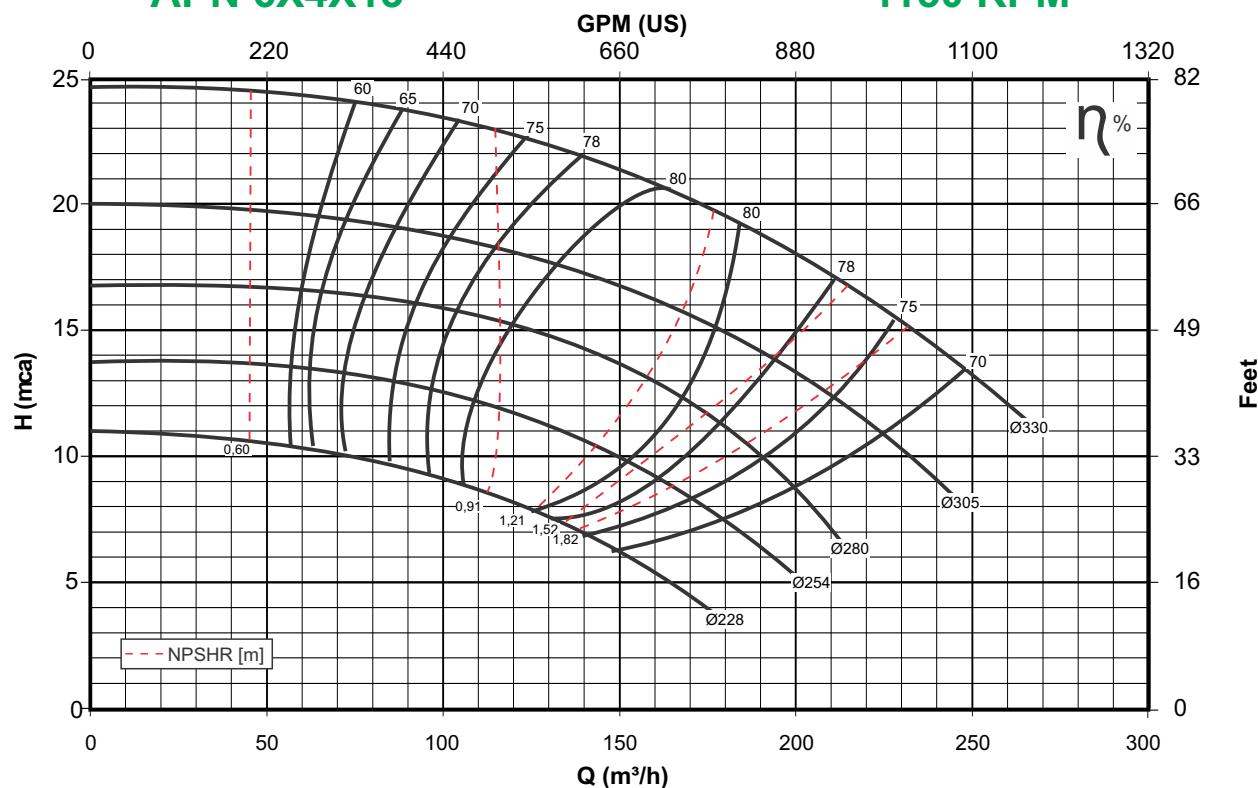
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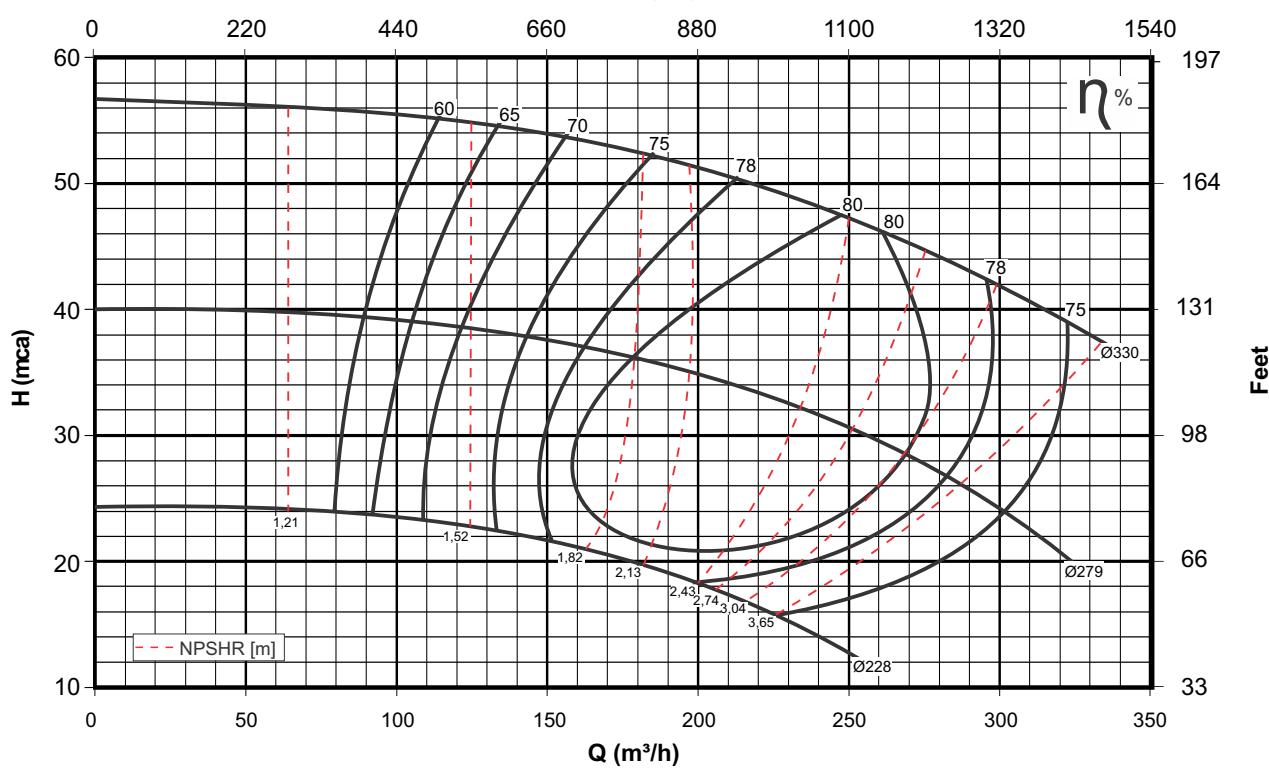
APN 6X4X13

1150 RPM



APN 6X4X13

1770 RPM



PUMPS APN

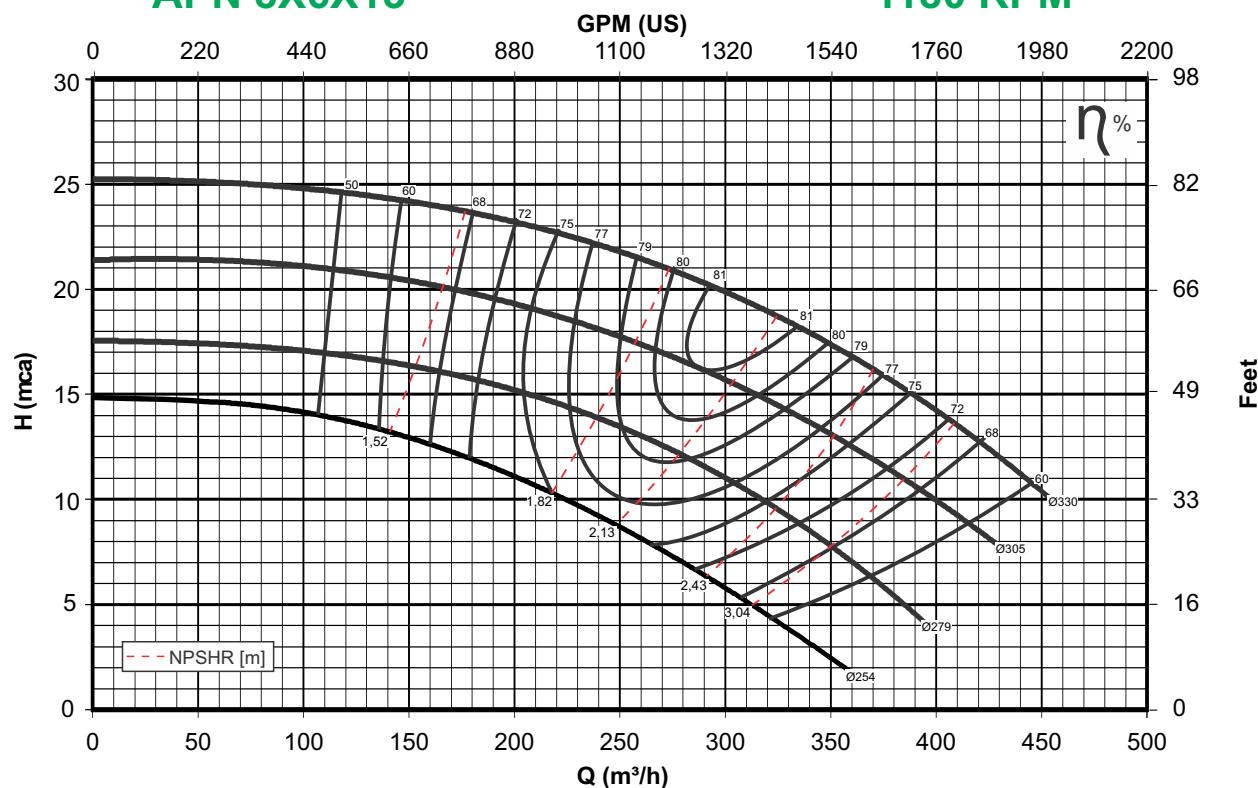
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APN 8X6X13

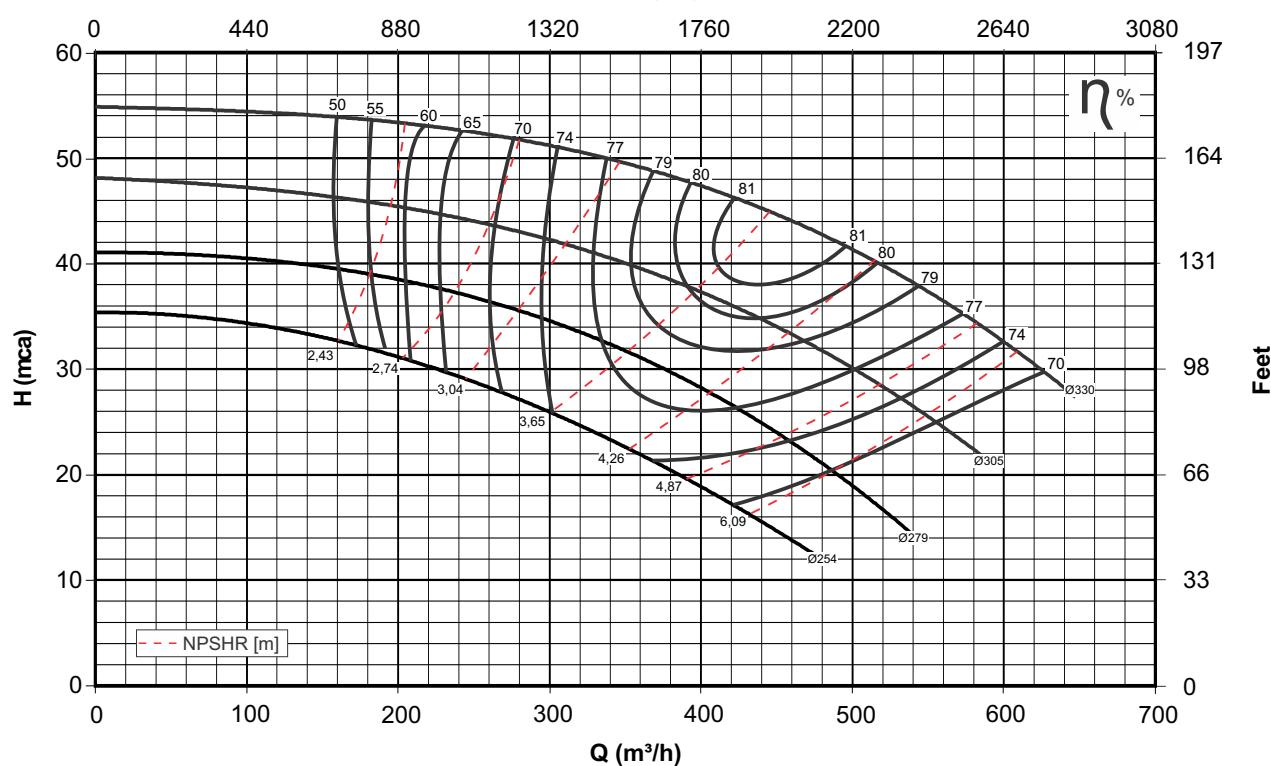
1180 RPM

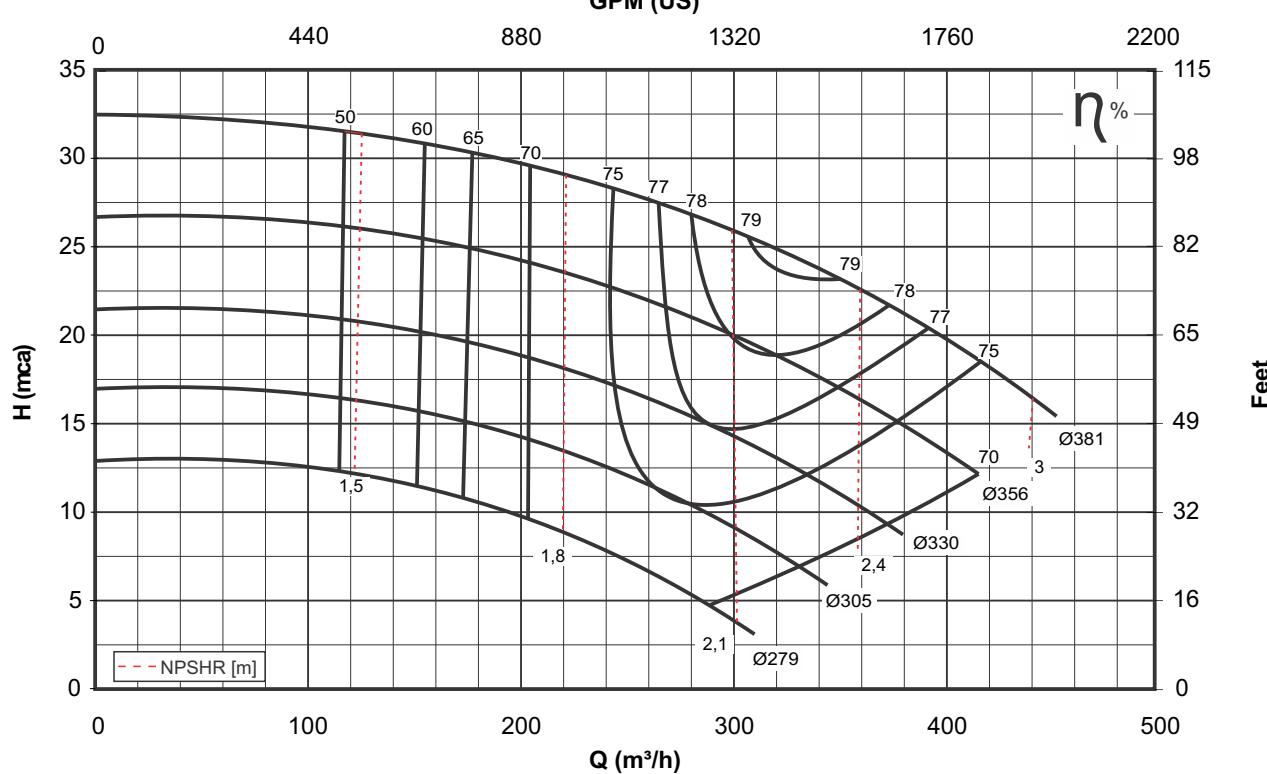
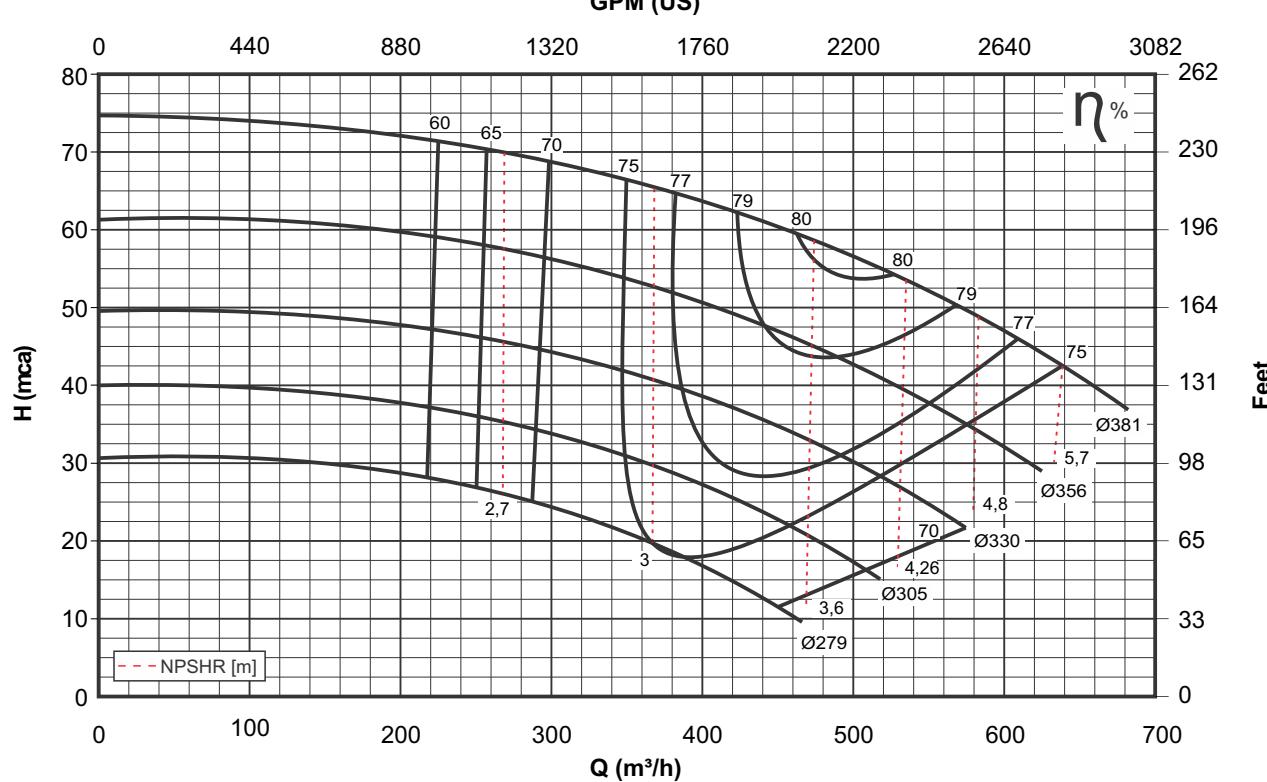


APN 8X6X13

GPM (US)

1780 RPM



**APN 8X6X15****1180 RPM****APN 8X6X15****1750 RPM**

PUMPS APN

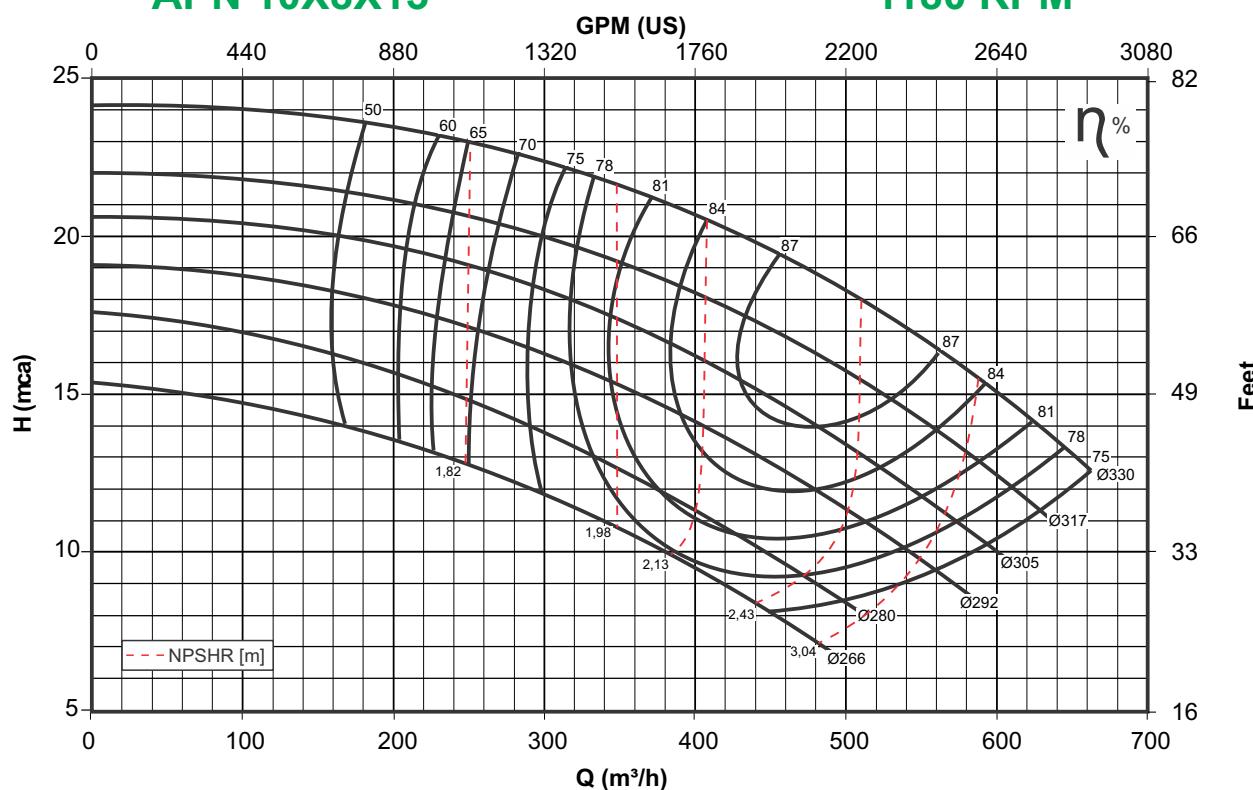
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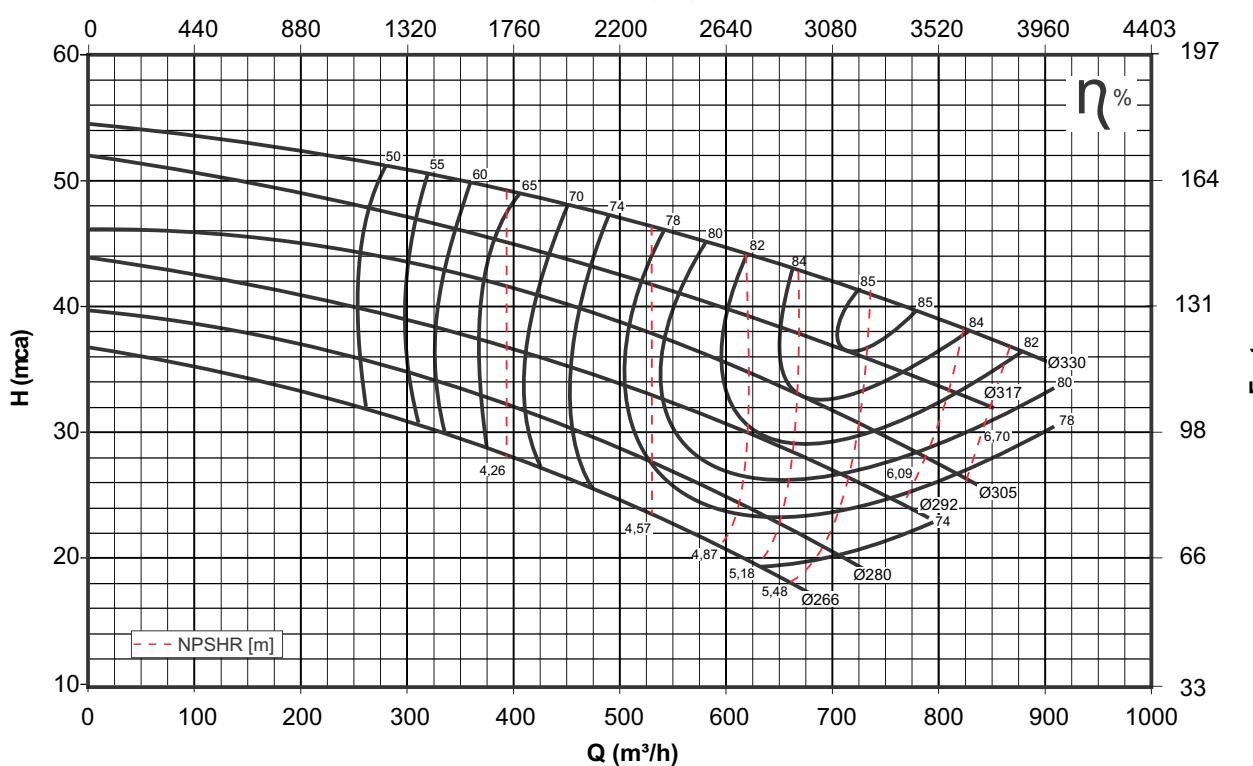
APN 10X8X13

1180 RPM



APN 10X8X13

1780 RPM



PUMPS APN

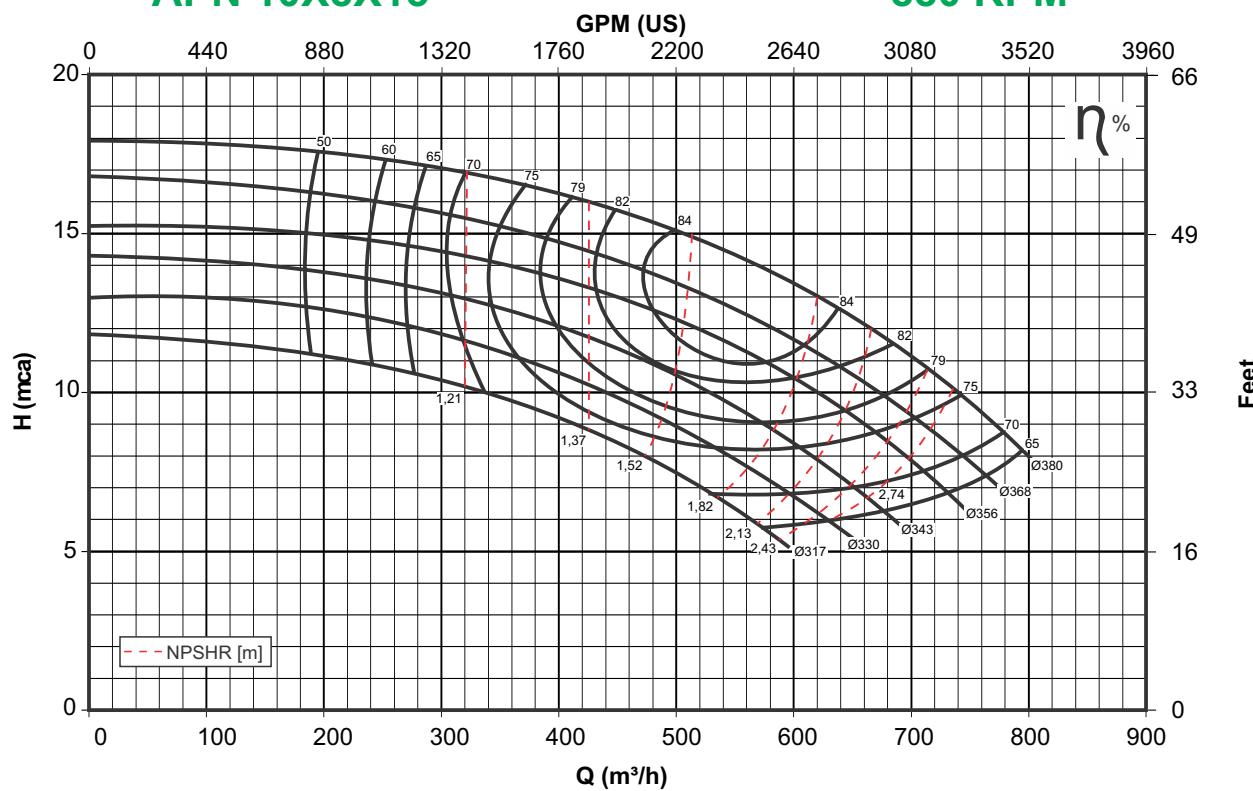
ANSI B73.1



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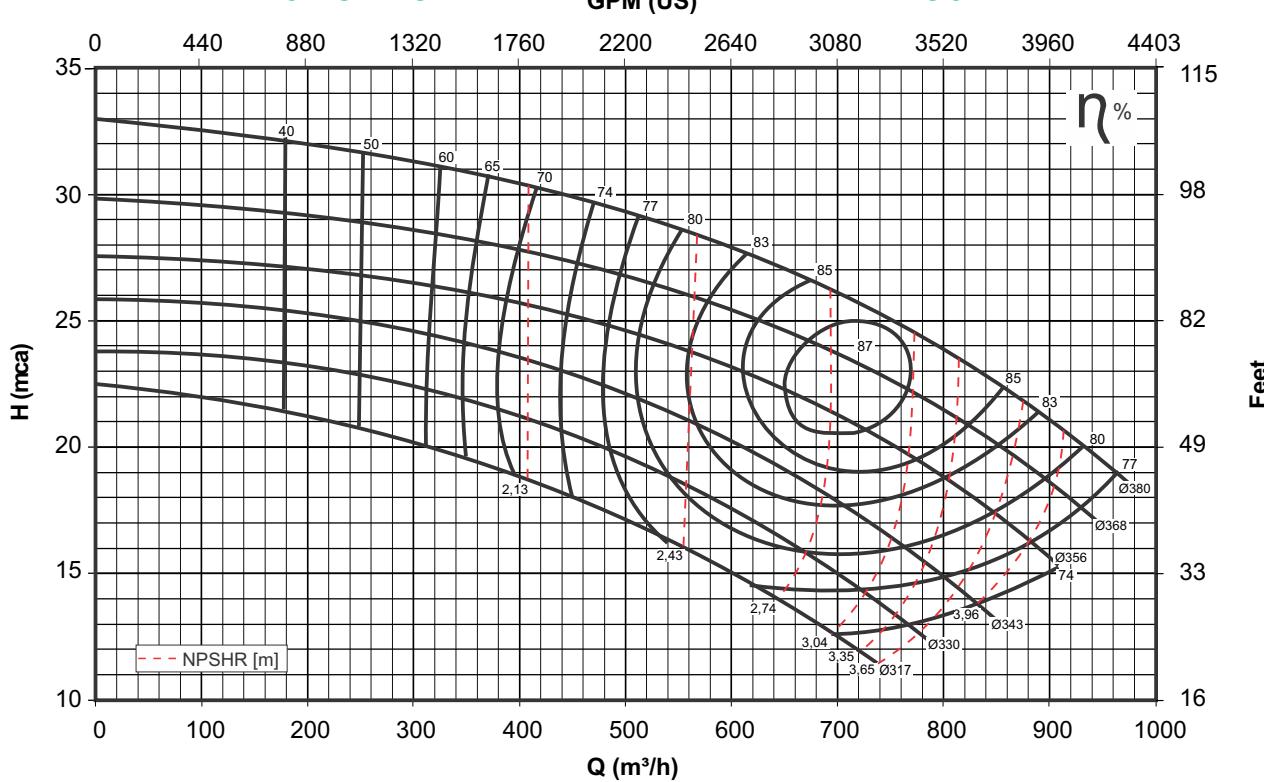
APN 10X8X15

880 RPM



APN 10X8X15

1180 RPM



PUMPS APN

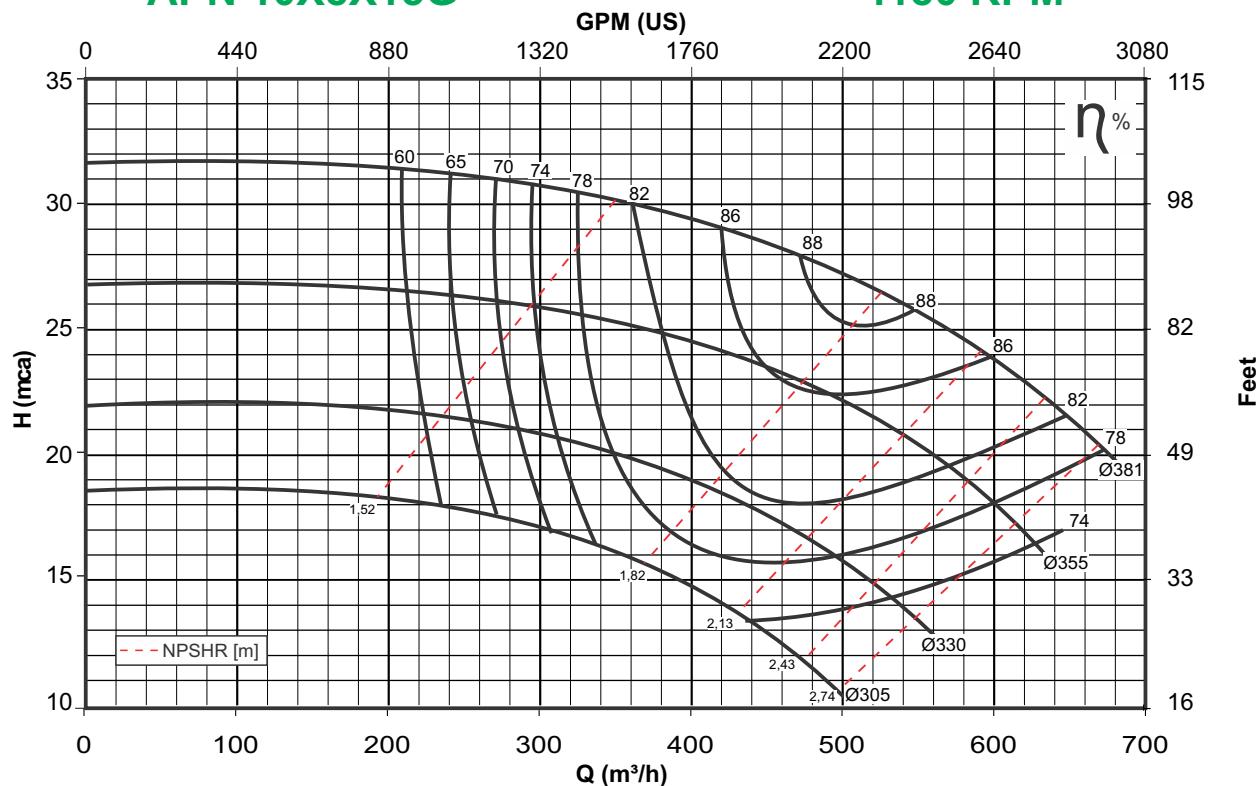
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APN 10X8X15G

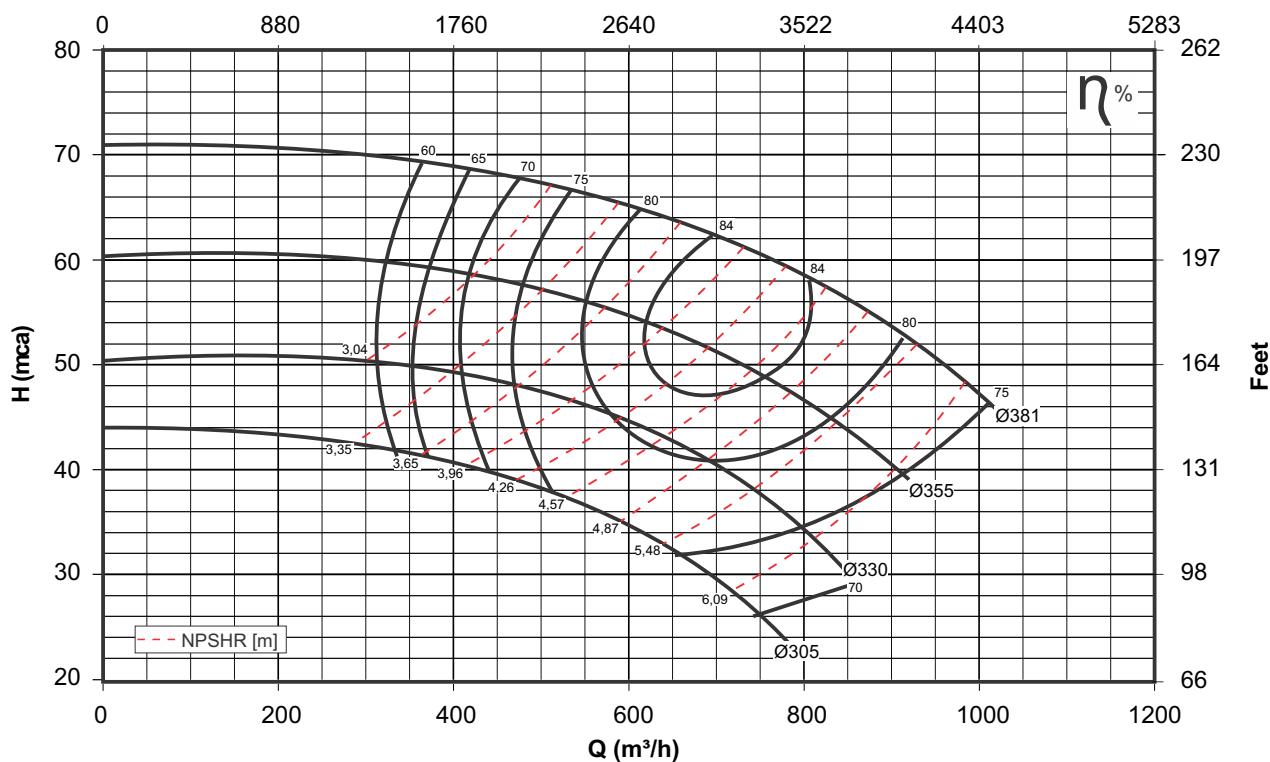
1180 RPM



APN 10X8X15G

GPM (US)

1780 RPM



PUMPS APN

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Pumping Solutions

BUSINESS 100% NATIONAL



AREA 120.000M²

IMBIL - Pumping Solutions.

Acting in the Global Pump Market, IMBIL - Industry and Maintenance of Pumps ITA LLC, is located in the city of Itapira - São Paulo, covering an area of 120.000 square meters.

It has advanced technological resources, practices modern management and engineering techniques and stimulates a continuous development of skills, abilities and attitudes of employees.

The Quality Management System is certified to international standard ISO 9001 - 2000 by Bureau Veritas Certification.

Currently IMBIL accelerates the development of its Integrated Social and Environmental Management.

The Commercial, Administrative and Industrial functions are fully interconnected by Business Management software in a fiber optic and wireless network connecting more than one hundred stations.

Supported by two own foundries and model-making facilities, IMBIL is selfsufficient in the production of its castings, applying a wide range of materials, especially those resistant to abrasion and corrosion.

The Lean Manufacturing philosophy, that aims to reduce the time between order placement and shipment of the product, results not only in shorter lead times but also in greater flexibility.

We offer an adequate and personalized After Sales serviecs, from support in the Start-Up phase to integral equipment maintenance, and yet, as per the Service Contract, operate Pumping Installations in the Sugar&Ethanol, Steel and Mining Industries and industrial plants in general.

All this human, technological and financial resources are driven by the IMBIL MISSION: "Providing Pumping Solutions and related services, attending the needs and expectations of its customers in the Global Market and respecting the ethical principles that govern its relations with employees, partners, environment and society".