



***Experiencia, Conocimiento y Soluciones
en Sistemas HVAC***



TVI-TVS SERIES

**CLOSE-COUPLED & SPLIT-COUPLED VERTICAL
IN-LINE PUMPS 60 HZ**

TORO

WATER SOLUTIONS
A SHN BRAND



Sistemas Hidrónicos



ISO 9001



ISO 14001

SHN
Sistemas Hidrónicos del Norte

SISTEMAS HIDRÓNICOS DEL NORTE

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Close-coupled vertical in-line pumps

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Type key

The example shows a TVI 40-125 60 Hz 2 pole pump with a maximum impeller diameter & PN 16 flanges, with cast iron casing & bronze impeller and with a carbon/ceramic/NBR/S.S 304 shaft seal.

TVI

Example TVI 40 -125 1 A 2A A 1

Type range

Nominal diameter of suction & discharge port (DN)

Nominal impeller diameter (mm)

Code for motor speed n [min⁻¹]

1 = 3450 min⁻¹

3 = 1750 min⁻¹

5 = 1150 min⁻¹

Code for Impeller Diameter

A = Full diameter performance

B = Diameter 1 performance

C = Diameter 2 performance

D = Diameter 3 performance

E = Diameter 4 performance

Code for pipework connection

1 = ANSI-125 flange

2A = PN-16 flange*

2B = PN-25 flange

3 = ANSI-250 flange

Code for materials

A = Cast iron pump housing with cast iron impeller*

B = Cast iron pump housing with bronze impeller

C = Cast iron pump housing with CF-8 impeller

D = Cast iron pump housing with CF-8M impeller

Code for shaft seal material

1 = Carbon/Ceramic/NBR/S.S 304*

2 = Sic/Sic/Viton/S.S 316

3 = Carbon/Sic/Viton/S.S 316

* Standard construction.

Product data

Close-coupled vertical in-line pumps

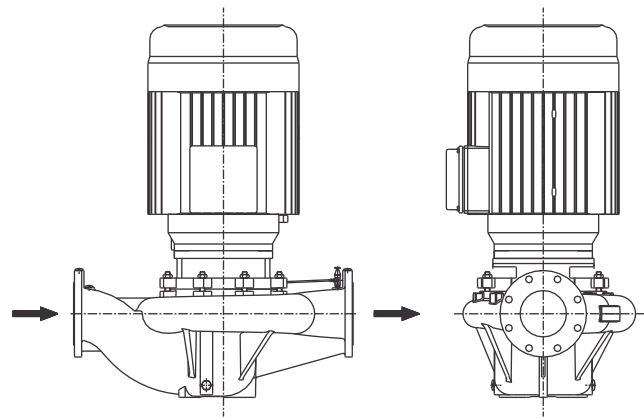
TVI

Introduction

TVI are non-self priming, single-stage, vertical in-line, close-coupled type centrifugal pumps having radial suction and radial discharge port.

Applications

- Cooling & heating systems.
- Pressure boosting systems.
- Industrial applications.
- Water supply.
- Fire protection systems.



Features & benefits

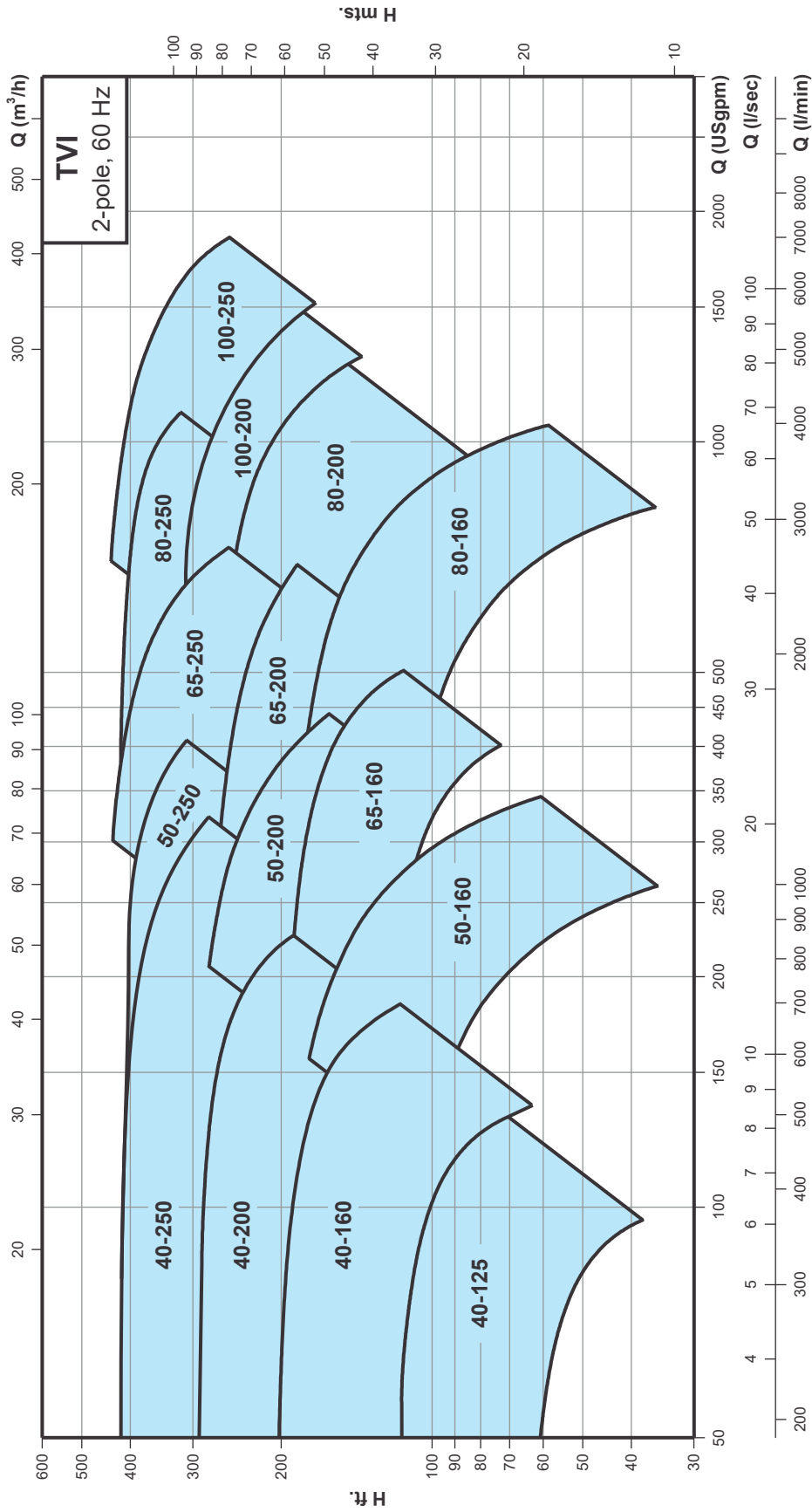
Following are the main features and benefits offered by the TVI pumps.

- Vertical in-line pumps offer largest floor space saving compared to End suction & Horizontal split case pumps.
- The in-line construction offers easy pipe work. Pipe hangers sized for the weight of the pump, piping & fittings offers adequate supports for most installations.
- The inlet passages of the volute casing are of liberal size & have flow straightening vanes to provide excellent suction performance and extremely quiet operation.
- Standard flanges for suction & discharge ports will be PN 16 as per DIN standard EN 1092-2 and PN 25 as per DIN standard EN 1092-2. ANSI 125 and ANSI 250 as per ASME B16.1 are available on request.
- These pumps are close coupled pumps with TEFC squirrel cage induction motors with main dimensions complying to NEMA standards MG 1-2006.
- These pumps are available with mechanical shaft seal only.
- These pumps have the discharge range up to 6790 USgpm and head range up to 490 feet. Motor ratings are from 1 to 200 HP.
- The pump impellers are dynamically balanced to grade 6.3 of ISO 1940.
- These pumps are available with high efficiency motors complying to meet or exceed the efficiency requirements of the US Energy Policy Act of 1992 (EPAct) and Natural Resources Canada Standards (NRCAN).
- The efficiency will meet or exceed full load efficiency of TEFC motors as per Table 12-11 of NEMA standards MG 1-2006.
- They can also be supplied with NEMA premium efficiency TEFC motors as per Table 12-12 of NEMA standards MG 1-2006 on request.
- We can also supply pumps with IEC standard motors with aluminum frame size from 71 to 160 and motor with cast iron frame size from 180 to 315.

Performance range

Close-coupled vertical in-line pumps

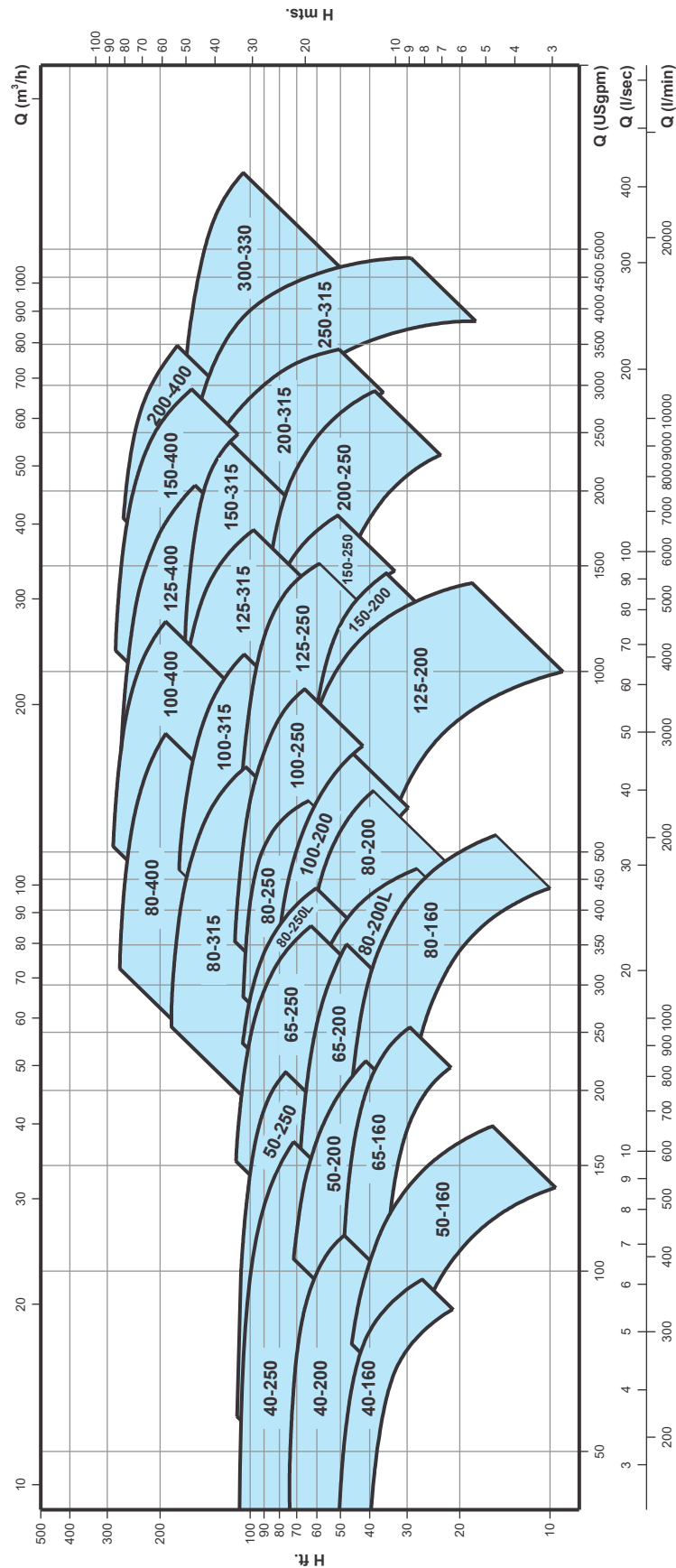
TVI 2-Pole



Performance range

Close-coupled vertical in-line pumps

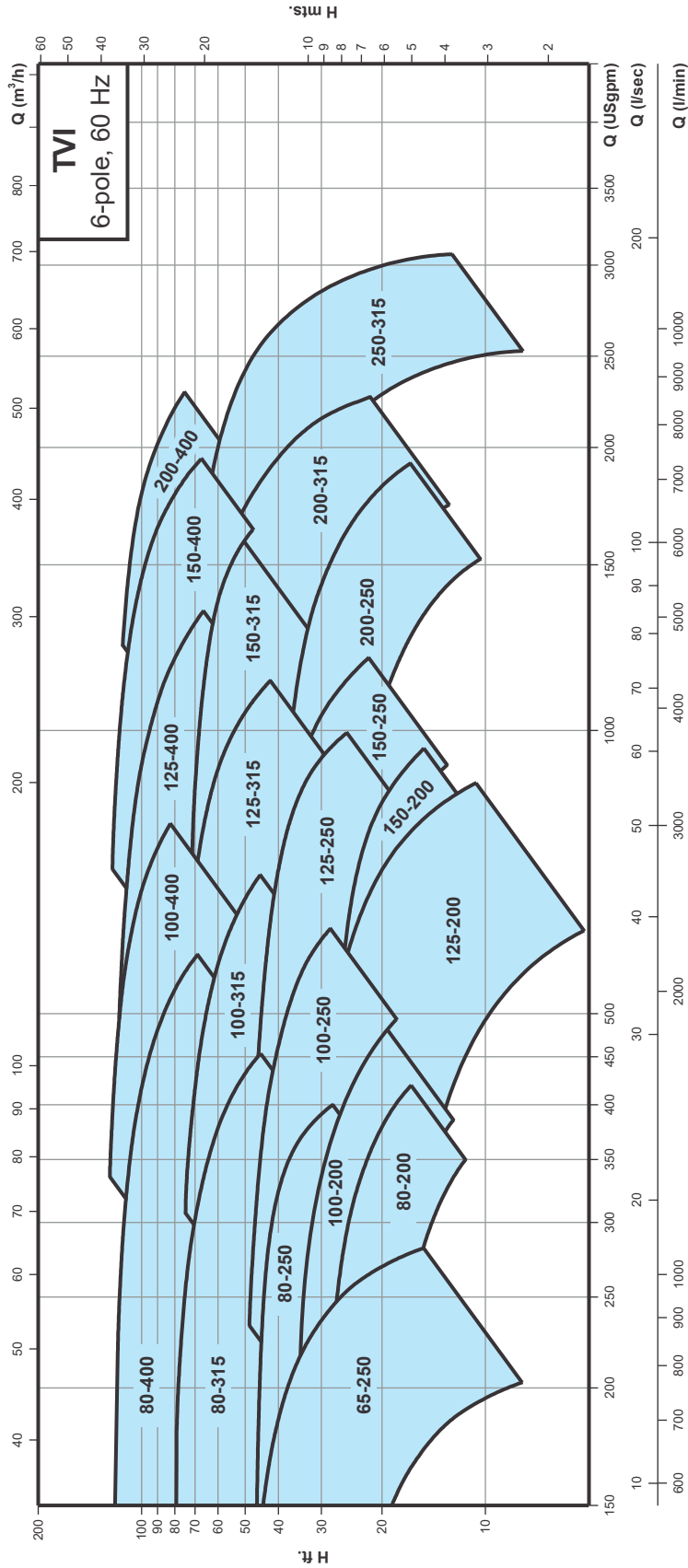
TVI 4-Pole



Performance range

Close-coupled vertical in-line pumps

TVI 6-Pole



Construction

Close-coupled vertical in-line pumps

TVI

Sectional drawing

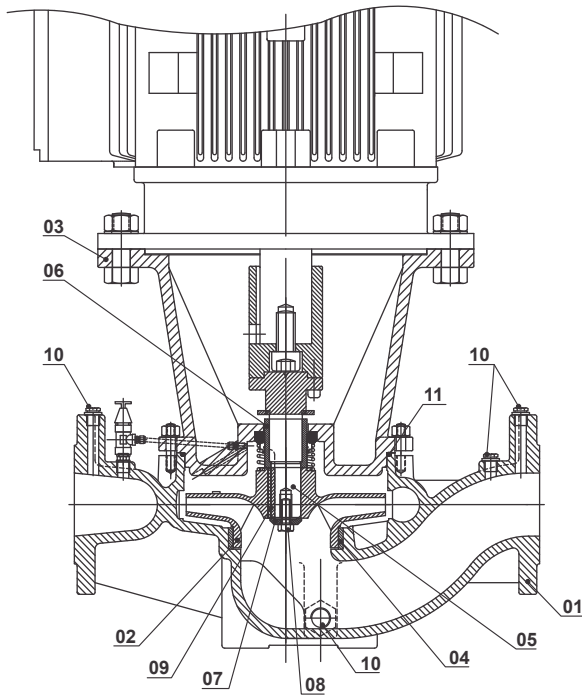


Fig. 1a 404TC to 505TC frame
404TSC to 505TSC frame

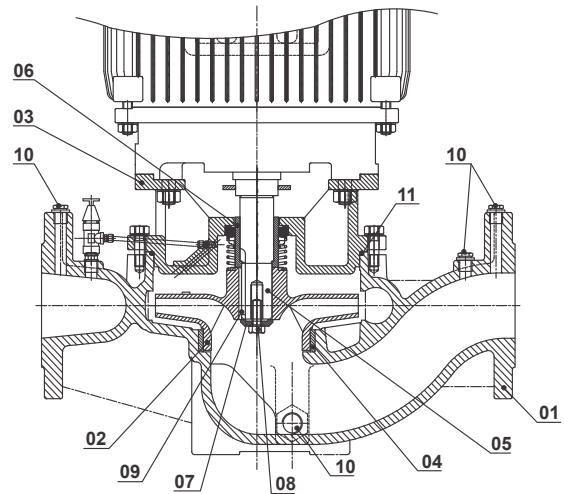


Fig. 1b 143JM to 365JM frame

Materials

| Pos. | Component | A-version | B-version | C-version | D-version |
|------|-------------------|--------------|--------------|--------------|--------------|
| 1 | Volute casing | Cast iron | Cast iron | Cast iron | Cast iron |
| 2 | Impeller | Cast iron | Bronze | CF-8 | CF-8M |
| 3 | Adaptor | Cast iron | Cast iron | Cast iron | Cast iron |
| 5 | Pump shaft | Carbon steel | Carbon steel | S.S.304 | S.S.316 |
| 6 | Shaft sleeve | S.S.410 | S.S.410 | S.S.304 | S.S.316 |
| 7 | Impeller washer | S.S.410 | S.S.410 | S.S.304 | S.S.316 |
| 8 | Impeller lock pin | S.S.410 | S.S.410 | S.S.304 | S.S.316 |
| 9 | Impeller key | S.S.410 | S.S.410 | S.S.304 | S.S.316 |
| 10 | Plugs | Carbon steel | Carbon steel | Carbon steel | Carbon steel |
| 11 | O-ring | NBR | NBR | NBR | NBR |
| 4 | Wear ring | Cast iron | Bronze | S.S.304 | S.S.316 |

Construction

Close-coupled vertical in-line pumps

TVI

Construction features

Volute casing

The volute casing of the pumps are designed to be robust in construction to take the undue stresses offered by the pipe work. They have a radial suction port and radial discharge port. Standard flanges are PN 16 as per EN 1092-2 and PN 25 as per DIN standard EN 1092-2. ANSI 125 and ANSI 250 as per ASME B16.1 are available on request.

The volute casing are provided with a priming & drain hole closed by plugs.

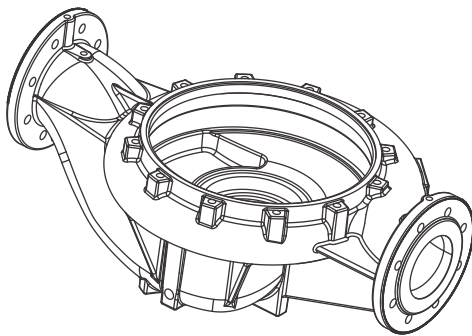


Fig. 2 Volute casing

Shaft

As shown in the figure an integral single shaft is provided for all pumps from 143JM to 365JM frame (see fig. 3). Remaining pumps are provided with stub shaft as shown below (see fig. 4) which has two drilled holes for set screws in the coupling.

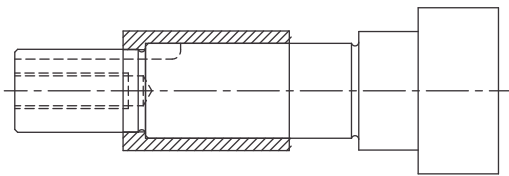


Fig. 3 Integral shaft pump

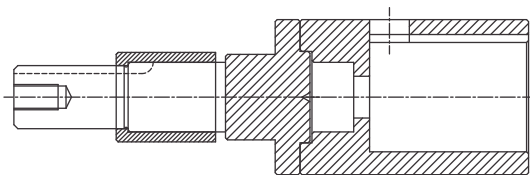


Fig. 4 Stub shaft pump

Impeller

The impellers are closed impellers with extra smooth surface finish and machined completely from outside to ensure high efficiency.

The direction of rotation of impeller is clock wise when viewed from the motor driving end.

They are dynamically balanced to grade 6.3 of ISO 1940.

All impellers can be trimmed to adopt them for the duty point requested by the customer.

Suggested trimmed impeller diameter as shown on the performance curves are theoretical. Performance may vary from what is shown on the performance curve.

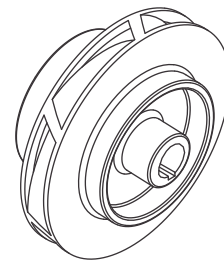


Fig. 5 Impeller

Test pressure

All pumps are hydrostatic tested for leakage as per the following test pressure using water containing corrosion inhibitor at room temperature.

| Pressure rating | Operating pressure | Test pressure |
|-----------------|--------------------|---------------|
| PN 16 | 16 bar | 24 bar |
| PN 25 | 25 bar | 37.5 bar |
| ANSI 125 | 125 psi | 188 psi |
| ANSI 250 | 250 psi | 375 psi |

Motors

The motors are squirrel cage induction motors, totally enclosed fan cooled with main dimension to NEMA standards MG 1-2006.

The standard motors supplied with the pumps are all as per high efficiency NEMA standards. Premium efficiency motors can be available on request.

All motors are available with cast iron construction.

Motor data

Ratings: 1 to 200 HP

Rated speed: 3450, 1750, 1150 rpm

Enclosure class: TEFC

Insulation class: Class 'F' & temperature rise limited to class 'B'

Nominal voltage: 60 Hz, 3 phase, 230 V / 460 V

Voltage tolerance: $\pm 10\%$.

Operating conditions

Close-coupled vertical in-line pumps

TVI

Sound/Noise levels

As shown in the table below the motor noise levels will not exceed the maximum sound pressure level [db(A)] as per following table.

| Motor HP | Maximum sound pressure level [db(A)] | | |
|----------|--------------------------------------|--------|--------|
| | Three-phase motors | | |
| | 2-pole | 4-pole | 6-pole |
| 1.00 | - | 51 | 49 |
| 1.50 | 68 | 51 | 49 |
| 2.00 | 68 | 51 | 49 |
| 3.00 | 69 | 56 | 55 |
| 4.00 | 69 | 56 | 55 |
| 5.00 | 69 | 56 | 55 |
| 7.50 | 69 | 58 | 57 |
| 10.0 | 72 | 58 | 57 |
| 15.0 | 72 | 69 | 59 |
| 20.0 | 75 | 69 | 59 |
| 25.0 | 75 | 68 | 62 |
| 30.0 | 75 | 68 | 62 |
| 40.0 | 81 | 71 | 65 |
| 50.0 | 81 | 71 | 65 |
| 60.0 | 85 | 75 | 65 |
| 75.0 | 85 | 75 | 65 |
| 100.0 | 84 | 75 | 70 |
| 125.0 | 84 | 79 | 70 |
| 150.0 | 84 | 79 | 73 |
| 200.0 | 87 | 82 | 73 |

Ambient temperature and altitude

The ambient temperature for proper motor operation must not exceed.

- + 104°F for high efficiency motors
- + 140°F for premium efficiency motors.

In case of ambient temperature exceeding 104°F (or 140°F for premium eff.) or if motor is to be installed more than 3280 feet above sea level then a higher output motor should be selected due to low cooling effect. Please refer the chart as shown in fig. 6 for selection of the motors at higher temperature or altitude.

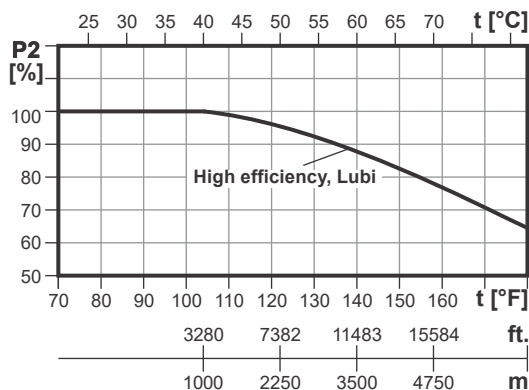


Fig. 6 Motor P2 depend on temperature/altitude

Example

A 20 HP motors has to be increased in output to 25 HP if ambient temperature is 140°F.

A 20 HP motors has to be increased in output to 25 HP if it has to operate at 11483 feet above mean sea level.

Pump location

The Pumps have been designed to operate in non aggressive and non explosive atmosphere.

The relative humidity should not exceed 95%.

Pumped liquids

TVI pumps are designed for non explosive liquids which are clean, and thin without any solid particles.

For aggressive liquid please ensure that material of construction is suitable for liquid to be pumped.

A viscous liquid affects the pump performance in the following ways.

- The power consumption of the pump will increase with increase in viscosity. This will require a larger motor for the pump.
- Head, discharge & pump efficiency will reduce.

A liquid with high density will also affect the performance as follows.

- The power consumption will increase at a ratio corresponding to increase in density. For example a liquid with a specific gravity of 1.30 will require 30% larger motor to drive the pump.
- The head, discharge and pump efficiency will not change with change in density.

Liquid temperature

The TVI pump range covers the temperature range from 32°F to +284°F.

The permissible liquid temperature depends on the type of mechanical shaft seal furnished on the pump.

Please refer the table showing relationship between mechanical shaft seal & temperature.

The maximum liquid temperature is stamped on the nameplate of the pump.

Relationship between shaft seals and temperature

| Seal type | Code | Temperature range |
|----------------------------|------|-------------------|
| Carbon/Ceramic/NBR/S.S.304 | 1 | 32°F to +194°F |
| Sic/Sic/Viton/S.S.316 | 2 | 32°F to +194°F |
| Carbon/Sic/Viton/S.S.316 | 3 | 32°F to +284°F |

Inlet pressure

- The inlet pressure + shut off pressure (pressure of pump against closed valve) should not exceed the maximum operating pressure of the pump.
- The minimum inlet pressure must be according to the NPSH curve + 2 feet safety margin + correction of vapour pressure.

Motor electrical data

Close-coupled vertical in-line pumps

TVI

High efficiency, 2-pole

| Rated output | | Full load speed [rpm] | Frame size | Full load current in [A] at | | Locked rotor current | | Full load torque Tn [lb.ft] | Locked rotor torque [Tl/Tn] | Break down torque [Tb/Tn] | Efficiency | | | | Power factor cost | Service factor SF | Approx. weight [lbs] |
|--------------|---------|-----------------------|------------|-----------------------------|-------|----------------------|--------|-----------------------------|-----------------------------|---------------------------|----------------|------|------|------|-------------------|-------------------|----------------------|
| P2 [HP] | P2 [kW] | | | 230 V | 460 V | [KVA code] | [I/In] | | | | % of full load | | | | | | |
| | | | | | | | | | | | 50 | 75 | 100 | 100 | | | |
| 2.00 | 1.50 | 3480 | 145JM | 5.20 | 2.60 | L | 9.4 | 2.98 | 2.8 | 4.0 | 80.0 | 82.5 | 84.0 | 0.86 | 1.25 | 51 | |
| 3.00 | 2.20 | 3500 | 182JM | 7.43 | 3.71 | K | 8.2 | 4.44 | 2.5 | 4.0 | 80.0 | 84.0 | 85.5 | 0.87 | 1.25 | 77 | |
| 4.00 | 3.00 | 3480 | 184JM | 10.2 | 5.10 | K | 8.2 | 6.10 | 2.5 | 4.0 | 84.0 | 86.5 | 86.5 | 0.88 | 1.25 | 83 | |
| 5.00 | 3.70 | 3480 | 184JM | 11.8 | 5.90 | J | 7.7 | 7.44 | 2.3 | 3.3 | 84.0 | 86.5 | 87.5 | 0.90 | 1.25 | 87 | |
| 7.50 | 5.50 | 3460 | 184JM | 17.5 | 8.76 | H | 7.0 | 11.2 | 2.2 | 2.3 | 85.5 | 87.5 | 88.5 | 0.89 | 1.15 | 104 | |
| 10.0 | 7.50 | 3500 | 215JM | 23.4 | 11.7 | H | 6.9 | 14.8 | 2.2 | 2.8 | 88.5 | 89.5 | 89.5 | 0.90 | 1.25 | 159 | |
| 15.0 | 11.0 | 3500 | 254JM | 34.5 | 17.3 | F | 6.1 | 22.2 | 2.0 | 2.2 | 89.0 | 90.2 | 90.2 | 0.89 | 1.15 | 181 | |
| 20.0 | 15.0 | 3520 | 256JM | 46.5 | 23.3 | G | 6.2 | 29.4 | 2.0 | 2.5 | 89.5 | 90.2 | 90.2 | 0.90 | 1.25 | 276 | |
| 25.0 | 18.5 | 3525 | 284JM | 58.0 | 29.0 | G | 6.2 | 36.7 | 2.0 | 2.5 | 90.2 | 91.0 | 91.0 | 0.88 | 1.25 | 441 | |
| 30.0 | 22.0 | 3520 | 286JM | 67.5 | 33.8 | G | 6.4 | 44.2 | 1.9 | 2.3 | 90.2 | 91.0 | 91.0 | 0.90 | 1.25 | 474 | |
| 40.0 | 30.0 | 3550 | 324JM | 92.3 | 46.1 | G | 6.4 | 58.4 | 2.3 | 2.4 | 91.0 | 91.7 | 91.7 | 0.89 | 1.25 | 597 | |
| 50.0 | 37.0 | 3555 | 326JM | 113 | 56.5 | G | 6.5 | 72.9 | 2.3 | 2.3 | 91.0 | 92.4 | 92.4 | 0.89 | 1.25 | 642 | |
| 60.0 | 45.0 | 3555 | 364JM | 138 | 69.0 | G | 6.3 | 87.4 | 2.0 | 2.5 | 91.0 | 92.4 | 93.0 | 0.88 | 1.25 | 701 | |
| 75.0 | 55.0 | 3550 | 365JM | 165 | 82.5 | G | 6.5 | 109 | 2.0 | 2.6 | 91.7 | 93.0 | 93.0 | 0.90 | 1.25 | 816 | |
| 100.0 | 75.0 | 3550 | 405TSC | 226 | 113 | G | 6.4 | 149 | 2.0 | 2.4 | 91.7 | 93.6 | 93.6 | 0.89 | 1.25 | 1190 | |
| 125.0 | 90.0 | 3560 | 444TSC | 263 | 131 | F | 6.6 | 178 | 2.0 | 2.5 | 92.4 | 94.1 | 94.5 | 0.91 | 1.15 | 1398 | |
| 150.0 | 110.0 | 3575 | 445TSC | 320 | 160 | G | 6.7 | 217 | 2.0 | 2.5 | 93.0 | 94.1 | 94.5 | 0.91 | 1.15 | 1565 | |
| 200.0 | 150.0 | 3575 | 505TSC | 445 | 223 | G | 6.5 | 296 | 1.7 | 2.5 | 94.1 | 94.5 | 95.0 | 0.89 | 1.15 | 2090 | |

High efficiency, 4-pole

| Rated output | | Full load speed [rpm] | Frame size | Full load current in [A] at | | Locked rotor current | | Full load torque Tn [lb.ft] | Locked rotor torque [Tl/Tn] | Break down torque (Tb/Tn) | Efficiency | | | | Power factor cost | Service factor SF | Approx. weight [lbs] |
|--------------|---------|-----------------------|------------|-----------------------------|-------|----------------------|--------|-----------------------------|-----------------------------|---------------------------|----------------|------|------|------|-------------------|-------------------|----------------------|
| P2 [HP] | P2 [kW] | | | 230 V | 460 V | [KVA code] | [I/In] | | | | % of full load | | | | | | |
| | | | | | | | | | | | 50 | 75 | 100 | 100 | | | |
| 1.00 | 0.75 | 1765 | 143JM | 2.98 | 1.49 | M | 8.6 | 2.94 | 2.9 | 4.0 | 77.0 | 80.0 | 82.5 | 0.77 | 1.25 | 46 | |
| 1.50 | 1.10 | 1760 | 145JM | 4.10 | 2.05 | L | 8.5 | 4.42 | 2.7 | 3.7 | 80.0 | 84.0 | 84.0 | 0.80 | 1.25 | 49 | |
| 2.00 | 1.50 | 1750 | 145JM | 5.40 | 2.70 | K | 7.7 | 5.92 | 2.4 | 3.0 | 81.5 | 84.0 | 84.0 | 0.83 | 1.25 | 53 | |
| 3.00 | 2.20 | 1765 | 182JM | 7.80 | 3.90 | K | 7.9 | 8.81 | 2.3 | 3.2 | 85.5 | 87.5 | 87.5 | 0.81 | 1.25 | 82 | |
| 4.00 | 3.00 | 1750 | 184JM | 10.87 | 5.44 | K | 7.6 | 12.1 | 2.1 | 3.2 | 85.5 | 87.5 | 87.5 | 0.81 | 1.25 | 86 | |
| 5.00 | 3.70 | 1750 | 184JM | 13.0 | 6.48 | J | 7.1 | 14.8 | 2.1 | 3.0 | 85.5 | 87.5 | 87.5 | 0.82 | 1.25 | 90 | |
| 7.50 | 5.50 | 1765 | 213JM | 19.1 | 9.53 | H | 6.4 | 22.0 | 2.0 | 2.6 | 87.5 | 89.5 | 89.5 | 0.81 | 1.25 | 152 | |
| 10.0 | 7.50 | 1760 | 215JM | 25.5 | 12.8 | H | 6.5 | 29.4 | 2.0 | 2.6 | 88.5 | 90.2 | 90.2 | 0.82 | 1.25 | 177 | |
| 15.0 | 11.0 | 1760 | 254JM | 35.8 | 17.9 | G | 6.4 | 44.2 | 2.5 | 2.5 | 89.5 | 91.0 | 91.0 | 0.85 | 1.25 | 248 | |
| 20.0 | 15.0 | 1755 | 256JM | 48.8 | 24.4 | G | 5.9 | 59.0 | 2.4 | 2.4 | 89.5 | 91.0 | 91.0 | 0.85 | 1.25 | 294 | |
| 25.0 | 18.5 | 1760 | 284JM | 59.3 | 29.6 | G | 6.1 | 73.6 | 2.2 | 2.5 | 91.7 | 92.4 | 92.4 | 0.85 | 1.25 | 478 | |
| 30.0 | 22.0 | 1755 | 286JM | 68.8 | 34.4 | G | 6.3 | 88.6 | 2.4 | 2.6 | 92.4 | 93.0 | 92.4 | 0.87 | 1.25 | 514 | |
| 40.0 | 30.0 | 1770 | 324JM | 95.3 | 47.6 | G | 6.0 | 117 | 2.3 | 2.3 | 91.7 | 93.0 | 93.0 | 0.85 | 1.25 | 631 | |
| 50.0 | 37.0 | 1770 | 326JM | 116 | 57.8 | G | 6.1 | 146 | 2.3 | 2.3 | 92.4 | 93.6 | 93.6 | 0.86 | 1.25 | 679 | |
| 60.0 | 45.0 | 1775 | 364JM | 134 | 67.0 | G | 6.4 | 175 | 2.0 | 2.3 | 93.0 | 93.6 | 93.6 | 0.90 | 1.25 | 778 | |
| 75.0 | 55.0 | 1775 | 365JM | 165 | 82.4 | G | 6.5 | 219 | 2.2 | 2.4 | 93.6 | 94.1 | 94.1 | 0.89 | 1.25 | 882 | |
| 100.0 | 75.0 | 1775 | 405TC | 229 | 115 | G | 6.3 | 298 | 2.1 | 2.2 | 93.6 | 94.5 | 94.5 | 0.87 | 1.25 | 1270 | |
| 125.0 | 90.0 | 1780 | 444TC | 275 | 138 | G | 6.4 | 356 | 2.0 | 2.2 | 93.6 | 94.5 | 94.5 | 0.87 | 1.15 | 1618 | |
| 150.0 | 110.0 | 1780 | 445TC | 335 | 168 | G | 6.4 | 436 | 2.2 | 2.3 | 94.1 | 95.0 | 95.0 | 0.87 | 1.15 | 2002 | |
| 200.0 | 150.0 | 1780 | 505TC | 460 | 230 | G | 6.4 | 594 | 2.3 | 2.4 | 94.1 | 95.0 | 95.0 | 0.86 | 1.15 | 2156 | |

High efficiency, 6-pole

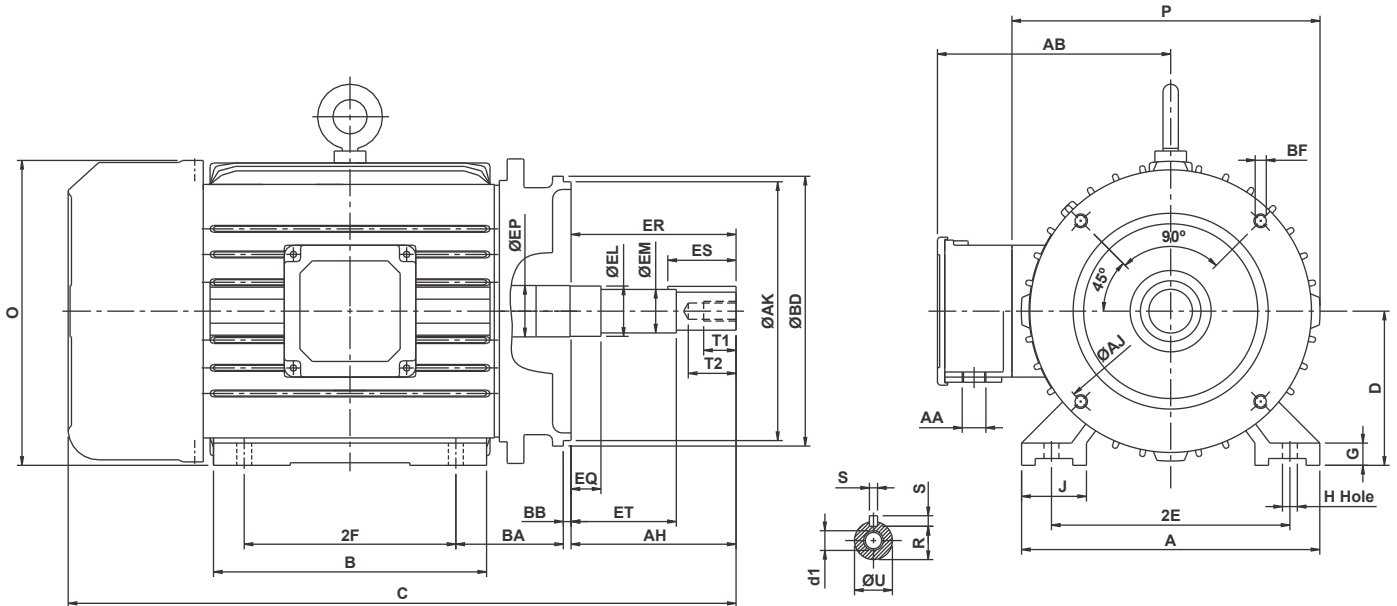
| Rated output | | Full load speed [rpm] | Frame size | Full load current in [A] at | | Locked rotor current | | Full load torque Tn [lb.ft] | Locked rotor torque [Tl/Tn] | Break down torque [Tb/Tn] | Efficiency | | | | Power factor cost | Service factor SF | Approx. weight [lbs] |
|--------------|---------|-----------------------|------------|-----------------------------|-------|----------------------|--------|-----------------------------|-----------------------------|---------------------------|----------------|------|------|------|-------------------|-------------------|----------------------|
| P2 [HP] | P2 [kW] | | | 230 V | 460 V | [KVA code] | [I/In] | | | | % of full load | | | | | | |
| | | | | | | | | | | | 50 | 75 | 100 | 100 | | | |
| 1.50 | 1.10 | 1165 | 182JM | 4.75 | 2.38 | M | 8.0 | 6.65 | 3.2 | 4.0 | 81.5 | 84.0 | 85.5 | 0.68 | 1.25 | 77 | |
| 2.00 | 1.50 | 1165 | 184JM | 6.40 | 3.20 | L | 7.5 | 9.07 | 3.0 | 3.0 | 84.0 | 86.5 | 86.5 | 0.68 | 1.25 | 82 | |
| 3.00 | 2.20 | 1170 | 213JM | 8.53 | 4.26 | J | 7.0 | 13.3 | 2.2 | 2.5 | 86.5 | 87.5 | 87.5 | 0.74 | 1.25 | 159 | |
| 4.00 | 3.00 | 1160 | 215JM | 11.8 | 5.90 | J | 6.8 | 18.2 | 1.9 | 2.5 | 86.5 | 87.5 | 87.5 | 0.74 | 1.25 | 164 | |
| 5.00 | 3.70 | 1160 | 215JM | 13.6 | 6.80 | H | 6.1 | 22.5 | 1.8 | 2.1 | 86.5 | 87.5 | 87.5 | 0.78 | 1.25 | 169 | |
| 7.50 | 5.50 | 1170 | 254JM | 19.1 | 9.53 | H | 6.8 | 33.1 | 2.3 | 3.1 | 88.5 | 89.5 | 89.5 | 0.81 | 1.25 | 220 | |
| 10.0 | 7.50 | 1175 | 256JM | 26.8 | 13.4 | J | 6.9 | 45.0 | 2.3 | 2.9 | 88.5 | 89.5 | 89.5 | 0.79 | 1.25 | 249 | |
| 15.0 | 11.0 | 1180 | 284JM | 34.5 | 17.3 | G | 6.7 | 65.7 | 2.3 | 2.5 | 89.5 | 90.2 | 91.0 | 0.88 | 1.25 | 437 | |
| 20.0 | 15.0 | 1175 | 286JM | 47.0 | 23.5 | G | 6.3 | 90 | 2.3 | 2.5 | 90.2 | 91.0 | 91.0 | 0.88 | 1.25 | 494 | |
| 25.0 | 18.5 | 1175 | 324JM | 59.5 | 29.8 | F | 5.9 | 111 | 2.2 | 2.4 | 89.5 | 91.7 | 91.7 | 0.85 | 1.25 | 611 | |
| 30.0 | 22.0 | 1175 | 326JM | 70.8 | 35.4 | G | 6.1 | 132 | 2.3 | 2.5 | 90.2 | 91.7 | 91.7 | 0.85 | 1.25 | 637 | |
| 40.0 | 30.0 | 1175 | 364JM | 94.3 | 47.1 | G | 6.3 | 180 | 2.3 | 2.3 | 92.4 | 93.0 | 93.0 | 0.86 | 1.25 | 778 | |
| 50.0 | 37.0 | 1180 | 365JM | 116 | 58.1 | G | 6.3 | 221 | 2.5 | 2.7 | 92.4 | 93.0 | 93.0 | 0.86 | 1.25 | 864 | |
| 60.0 | 45.0 | 1180 | 404TC | 140 | 70.1 | G | 6.3 | 269 | 2.5 | 2.7 | 93.0 | 93.6 | 93.6 | 0.86 | 1.25 | 1129 | |

Motor dimensions

Close-coupled vertical in-line pumps

TVI

JM frame



| Frame size | Mounting | | | | A | B | D | G | J | O | P | AB | AA | AJ | AK | BB | BD | BF | |
|------------|----------|-------|------|------|-------|-------|------|------|------|-------|-------|-------|--------|-------|------|-------|------|------|-------------|
| | 2E | 2F | H | BA | | | | | | | | | | | | | | Qty. | Tape size |
| 143JM | - | - | - | - | - | - | - | - | - | 7.06 | 7.17 | 4.92 | 3/4" | 5.874 | 4.5 | 0.157 | 6.50 | 4 | UNC 3/8"X13 |
| 145JM | - | - | - | - | - | - | - | - | - | 7.06 | 7.17 | 4.92 | 3/4" | 5.874 | 4.5 | 0.157 | 6.50 | 4 | UNC 3/8"X13 |
| 182JM | - | - | - | - | - | - | - | - | - | 8.70 | 8.70 | 6.46 | 3/4" | 5.874 | 4.5 | 0.157 | 6.50 | 4 | UNC 3/8"X13 |
| 184JM | - | - | - | - | - | - | - | - | - | 8.70 | 8.70 | 6.46 | 3/4" | 5.874 | 4.5 | 0.157 | 6.50 | 4 | UNC 3/8"X13 |
| 213JM | - | - | - | - | - | - | - | - | - | 10.35 | 10.31 | 7.40 | 1" | 7.252 | 8.5 | 0.248 | 8.86 | 4 | UNC 3/8"X13 |
| 215JM | - | - | - | - | - | - | - | - | - | 10.35 | 10.31 | 7.40 | 1" | 7.252 | 8.5 | 0.248 | 8.86 | 4 | UNC 1/2"X13 |
| 254JM | 10.0 | 8.25 | 0.53 | 4.25 | 12.2 | 10.24 | 6.25 | 0.70 | 2.16 | 12.28 | 12.16 | 9.49 | 1-1/4" | 7.252 | 8.5 | 0.248 | 10.0 | 4 | UNC 1/2"X13 |
| 256JM | 10.0 | 10.0 | 0.53 | 4.25 | 12.2 | 11.81 | 6.25 | 0.70 | 2.16 | 12.28 | 12.16 | 9.49 | 1-1/4" | 7.252 | 8.5 | 0.248 | 10.0 | 4 | UNC 1/2"X13 |
| 284JM | 11.0 | 9.5 | 0.53 | 4.76 | 13.47 | 12.20 | 7.00 | 1.06 | 2.60 | 14.09 | 14.09 | 11.57 | 1-1/2" | 11.00 | 12.5 | 0.248 | 14.0 | 4 | UNC 5/8"X11 |
| 286JM | 11.0 | 11.0 | 0.53 | 4.76 | 13.47 | 13.39 | 7.00 | 1.06 | 2.60 | 14.09 | 14.09 | 11.57 | 1-1/2" | 11.00 | 12.5 | 0.248 | 14.0 | 4 | UNC 5/8"X11 |
| 324JM | 12.5 | 10.5 | 0.66 | 5.25 | 15.75 | 15.35 | 8.00 | 1.18 | 3.39 | 15.62 | 15.24 | 12.05 | 2" | 11.00 | 12.5 | 0.248 | 14.0 | 4 | UNC 5/8"X11 |
| 326JM | 12.5 | 12.0 | 0.66 | 5.25 | 15.75 | 15.35 | 8.00 | 1.18 | 3.39 | 15.62 | 15.24 | 12.05 | 2" | 11.00 | 12.5 | 0.248 | 14.0 | 4 | UNC 5/8"X11 |
| 364JM | 14.0 | 11.25 | 0.66 | 5.86 | 17.72 | 14.57 | 9.00 | 1.26 | 3.35 | 17.28 | 17.00 | 12.91 | 3" | 11.00 | 12.5 | 0.248 | 14.0 | 8 | UNC 5/8"X11 |
| 365JM | 14.0 | 12.25 | 0.66 | 5.86 | 17.72 | 15.55 | 9.00 | 1.26 | 3.35 | 17.28 | 17.00 | 12.91 | 3" | 11.00 | 12.5 | 0.248 | 14.0 | 8 | UNC 5/8"X11 |

| Frame size | Lengths | | | | Diameters | | | | Keyway | | | Threaded hole | | | C |
|------------|---------|-------|-------|-------|-----------|-------|-------|-------|--------|-------|-------|---------------|-------|-------|-------|
| | AH | ER | EQ | ET | U | EM | EL | EP | S | R | ES | d1(UNC) | T1 | T2 | |
| 143JM | 4.258 | 4.258 | 0.630 | 2.880 | 0.874 | 1.000 | 1.156 | 1.179 | 0.187 | 0.767 | 1.575 | 3/8"X16 | 0.748 | 1.102 | 14.60 |
| 145JM | 4.258 | 4.258 | 0.630 | 2.880 | 0.874 | 1.000 | 1.156 | 1.179 | 0.187 | 0.767 | 1.575 | 3/8"X16 | 0.748 | 1.102 | 15.60 |
| 182JM | 4.258 | 4.258 | 0.630 | 2.880 | 0.874 | 1.000 | 1.250 | 1.376 | 0.187 | 0.767 | 1.575 | 3/8"X16 | 0.748 | 1.102 | 17.56 |
| 184JM | 4.258 | 4.258 | 0.630 | 2.880 | 0.874 | 1.000 | 1.250 | 1.376 | 0.187 | 0.767 | 1.575 | 3/8"X16 | 0.748 | 1.102 | 17.56 |
| 213JM | 4.258 | 4.258 | 0.630 | 2.880 | 0.874 | 1.000 | 1.250 | 1.750 | 0.187 | 0.767 | 1.575 | 3/8"X16 | 0.748 | 1.102 | 20.62 |
| 215JM | 4.258 | 4.258 | 0.630 | 2.880 | 0.874 | 1.000 | 1.250 | 1.750 | 0.187 | 0.767 | 1.575 | 3/8"X16 | 0.748 | 1.102 | 20.62 |
| 254JM | 5.250 | 5.250 | 0.630 | 3.006 | 1.249 | 1.375 | 1.750 | 1.750 | 0.250 | 1.110 | 2.480 | 1/2"X13 | 0.984 | 1.496 | 24.40 |
| 256JM | 5.250 | 5.250 | 0.630 | 3.006 | 1.249 | 1.375 | 1.750 | 1.750 | 0.250 | 1.110 | 2.480 | 1/2"X13 | 0.984 | 1.496 | 26.10 |
| 284JM | 5.250 | 5.250 | 0.630 | 3.006 | 1.249 | 1.375 | 1.750 | 2.163 | 0.250 | 1.110 | 2.480 | 1/2"X13 | 0.984 | 1.496 | 28.93 |
| 286JM | 5.250 | 5.250 | 0.630 | 3.006 | 1.249 | 1.375 | 1.750 | 2.163 | 0.250 | 1.110 | 2.480 | 1/2"X13 | 0.984 | 1.496 | 30.47 |
| 324JM | 5.250 | 5.250 | 0.630 | 3.006 | 1.249 | 1.375 | 1.750 | 2.360 | 0.250 | 1.110 | 2.480 | 1/2"X13 | 0.984 | 1.496 | 32.32 |
| 326JM | 5.250 | 5.250 | 0.630 | 3.006 | 1.249 | 1.375 | 1.750 | 2.360 | 0.250 | 1.110 | 2.480 | 1/2"X13 | 0.984 | 1.496 | 32.32 |
| 364JM | 5.250 | 5.250 | 0.630 | 3.006 | 1.249 | 1.375 | 1.750 | 2.756 | 0.250 | 1.110 | 2.480 | 1/2"X13 | 0.984 | 1.496 | 32.80 |
| 365JM | 5.250 | 5.250 | 0.630 | 3.006 | 1.249 | 1.375 | 1.750 | 2.756 | 0.250 | 1.110 | 2.480 | 1/2"X13 | 0.984 | 1.496 | 33.78 |

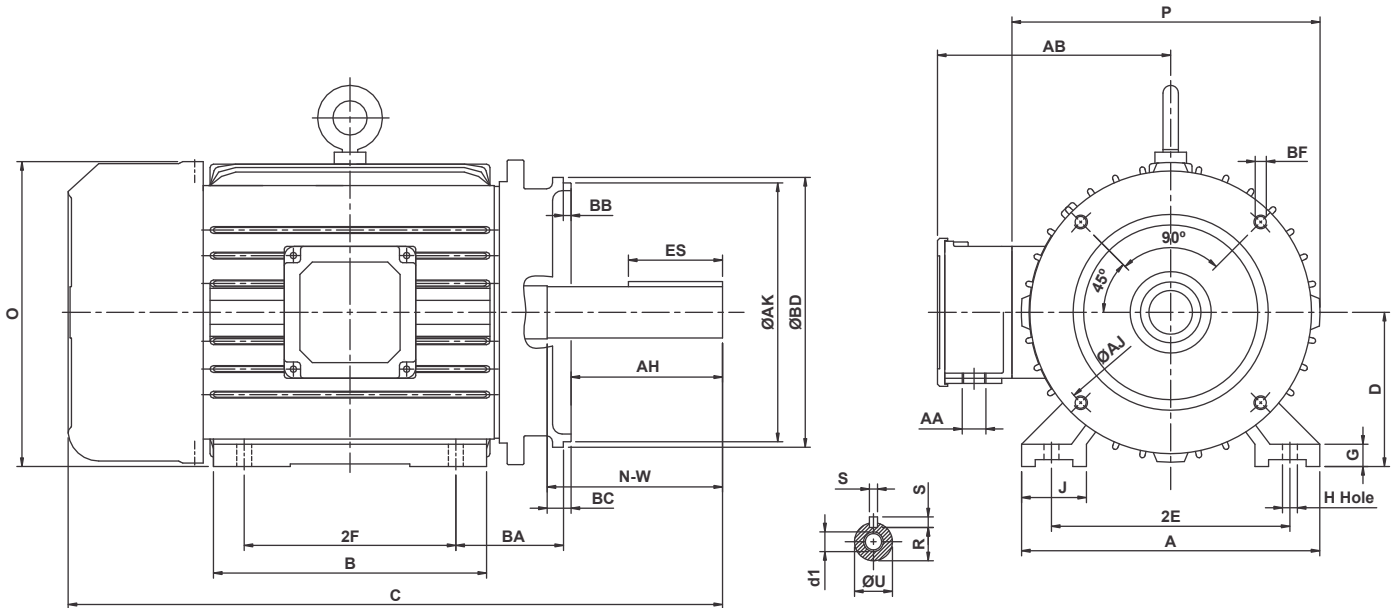
All dimensions in inches unless otherwise noted.

Motor dimensions

Close-coupled vertical in-line pumps

TVI

TC & TSC frame



| Frame size | Mounting | | | | A | B | D | G | J | O | P | AB | AA | AJ | AK | BB | BC | BD | BF | |
|------------|----------|-------|-------|------|-------|-------|-------|------|------|-------|-------|-------|----|-------|-------|-------|-------|-------|------|-------------|
| | 2E | 2F | H | BA | | | | | | | | | | | | | | | Qty. | Tape size |
| 404TC | 15.98 | 12.24 | 0.807 | 6.62 | 20.00 | 16.73 | 10.00 | 1.65 | 3.93 | 19.60 | 19.76 | 16.30 | 3" | 11.00 | 12.50 | 0.250 | 0.250 | 15.55 | 8 | UNC 5/8"X11 |
| 405TC | 15.98 | 13.74 | 0.807 | 6.62 | 20.00 | 16.73 | 10.00 | 1.65 | 3.93 | 19.60 | 19.76 | 16.30 | 3" | 11.00 | 12.50 | 0.250 | 0.250 | 15.55 | 8 | UNC 5/8"X11 |
| 405TSC | 15.98 | 13.74 | 0.807 | 6.62 | 20.00 | 16.73 | 10.00 | 1.65 | 3.93 | 19.60 | 19.76 | 16.30 | 3" | 11.00 | 12.50 | 0.250 | 0.250 | 15.55 | 8 | UNC 5/8"X11 |
| 444TC | 18.00 | 14.50 | 0.807 | 7.50 | 21.26 | 19.29 | 11.00 | 1.65 | 3.93 | 21.85 | 22.12 | 17.50 | 3" | 14.00 | 16.00 | 0.250 | 0.250 | 17.91 | 8 | UNC 5/8"X11 |
| 444TSC | 18.00 | 14.50 | 0.807 | 7.50 | 21.26 | 19.29 | 11.00 | 1.65 | 3.93 | 21.85 | 22.12 | 17.50 | 3" | 14.00 | 16.00 | 0.250 | 0.250 | 17.91 | 8 | UNC 5/8"X11 |
| 445TC | 18.00 | 16.50 | 0.807 | 7.50 | 21.26 | 19.29 | 11.00 | 1.65 | 3.93 | 21.85 | 22.12 | 17.50 | 3" | 14.00 | 16.00 | 0.250 | 0.250 | 17.91 | 8 | UNC 5/8"X11 |
| 445TSC | 18.00 | 16.50 | 0.807 | 7.50 | 21.26 | 19.29 | 11.00 | 1.65 | 3.93 | 21.85 | 22.12 | 17.50 | 3" | 14.00 | 16.00 | 0.250 | 0.250 | 17.91 | 8 | UNC 5/8"X11 |
| 505TC | 20.00 | 18.00 | 1.250 | 8.50 | 24.40 | 20.98 | 12.50 | 1.81 | 4.40 | 24.21 | 23.62 | 19.37 | 3" | 14.50 | 16.50 | 0.250 | 0.250 | 17.91 | 8 | UNC 5/8"X11 |
| 505TSC | 20.00 | 18.00 | 1.250 | 8.50 | 24.40 | 20.98 | 12.50 | 1.81 | 4.40 | 24.21 | 23.62 | 19.37 | 3" | 14.50 | 16.50 | 0.250 | 0.250 | 17.91 | 8 | UNC 5/8"X11 |

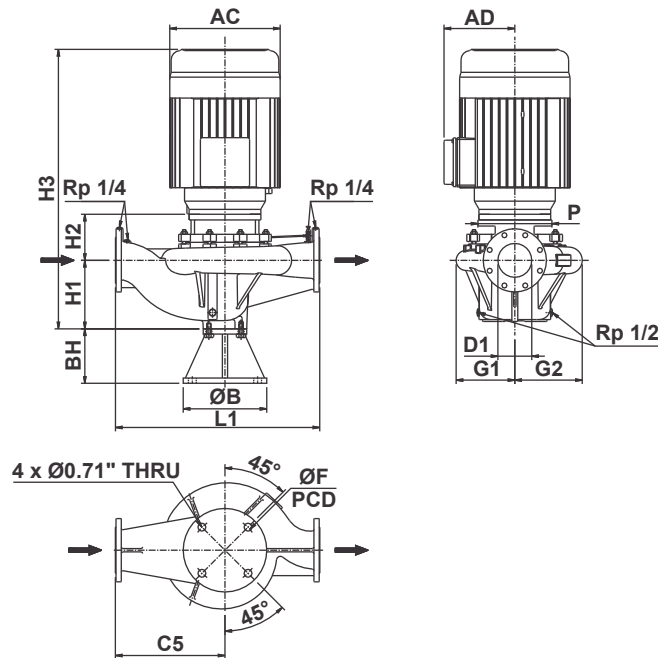
| Frame size | Lengths | Shaft extension | | Keyway | | | C |
|------------|---------|-----------------|-------|--------|-------|-------|-------|
| | AH | N-W | U | S | R | ES | |
| 404TC | 7.000 | 7.250 | 2.875 | 0.750 | 2.449 | 5.512 | 38.46 |
| 405TC | 7.000 | 7.250 | 2.875 | 0.750 | 2.449 | 5.512 | 38.46 |
| 405TSC | 4.000 | 4.250 | 2.125 | 0.500 | 1.842 | 2.756 | 35.47 |
| 444TC | 8.250 | 8.500 | 3.375 | 0.875 | 2.880 | 7.087 | 42.79 |
| 444TSC | 4.500 | 4.750 | 2.375 | 0.625 | 2.021 | 3.000 | 39.05 |
| 445TC | 8.250 | 8.500 | 3.375 | 0.875 | 2.880 | 7.087 | 42.79 |
| 445TSC | 4.500 | 4.750 | 2.375 | 0.625 | 2.021 | 3.000 | 39.05 |
| 505TC | 10.37 | 10.63 | 3.625 | 0.875 | 3.134 | 8.661 | 49.45 |
| 505TSC | 4.500 | 4.750 | 2.375 | 0.625 | 2.021 | 3.000 | 43.57 |

All dimensions in inches unless otherwise noted.

Technical data

Close-coupled vertical in-line pumps

TVI 40-1251 2-pole

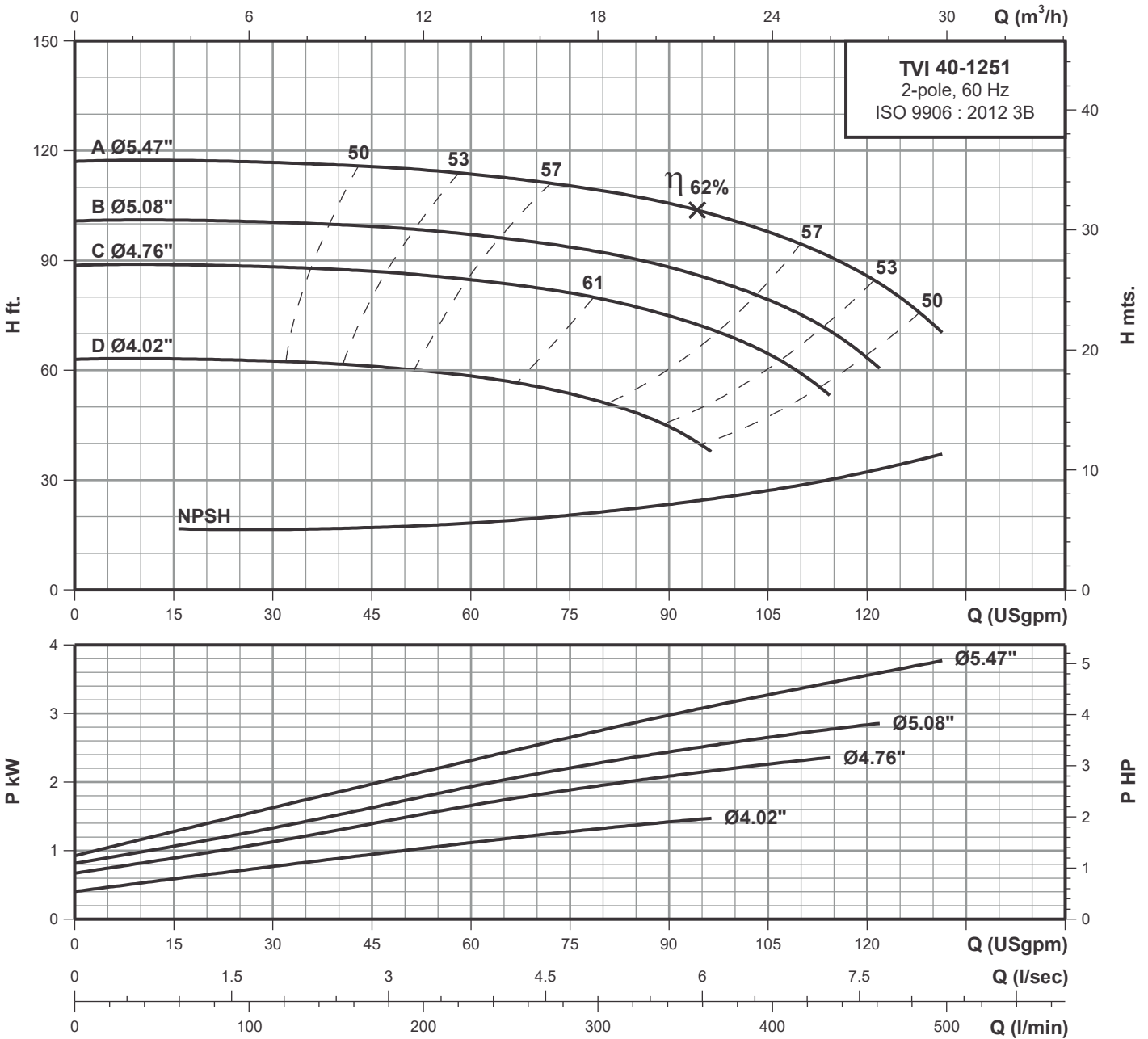


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 2 | 3 | 4 | 5 |
| | [kW] | 1.5 | 2.2 | 3 | 3.7 |
| Frame | | 145JM | 182JM | 184JM | 184JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 1.5 | 1.5 | 1.5 | 1.5 |
| | [mm] | 40 | 40 | 40 | 40 |
| H1 | [inch] | 4.41 | 4.41 | 4.41 | 4.41 |
| | [mm] | 112 | 112 | 112 | 112 |
| H2 | [inch] | 3.62 | 3.58 | 3.58 | 3.58 |
| | [mm] | 92 | 91 | 91 | 91 |
| H3 | [inch] | 19.37 | 21.3 | 21.3 | 21.3 |
| | [mm] | 492 | 541 | 541 | 541 |
| BH | [inch] | 4.92 | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 | 125 |
| B | [inch] | 7.56 | 7.56 | 7.56 | 7.56 |
| | [mm] | 192 | 192 | 192 | 192 |
| F | [inch] | 5.91 | 5.91 | 5.91 | 5.91 |
| | [mm] | 150 | 150 | 150 | 150 |
| L1 | [inch] | 12.4 | 12.4 | 12.4 | 12.4 |
| | [mm] | 315 | 315 | 315 | 315 |
| C5 | [inch] | 6.89 | 6.89 | 6.89 | 6.89 |
| | [mm] | 175 | 175 | 175 | 175 |
| G1 | [inch] | 3.7 | 3.7 | 3.7 | 3.7 |
| | [mm] | 94 | 94 | 94 | 94 |
| G2 | [inch] | 4.45 | 4.45 | 4.45 | 4.45 |
| | [mm] | 113 | 113 | 113 | 113 |
| P | [inch] | 6.5 | 6.5 | 6.5 | 6.5 |
| | [mm] | 165 | 165 | 165 | 165 |
| AC | [inch] | 6.93 | 8.58 | 8.58 | 8.58 |
| | [mm] | 176 | 218 | 218 | 218 |
| AD | [inch] | 4.92 | 6.46 | 6.46 | 6.46 |
| | [mm] | 125 | 164 | 164 | 164 |
| Net weight | [lbs] | 112 | 141 | 148 | 152 |
| | [kg] | 51 | 64 | 67 | 69 |
| Gross weight | [lbs] | 198 | 227 | 234 | 238 |
| | [kg] | 90 | 103 | 106 | 108 |
| Volume | [ft ³] | 8.66 | 8.66 | 8.66 | 8.66 |
| | [m ³] | 0.245 | 0.245 | 0.245 | 0.245 |

Performance curves

TVI 40-1251 2-pole

Close-coupled vertical in-line pumps



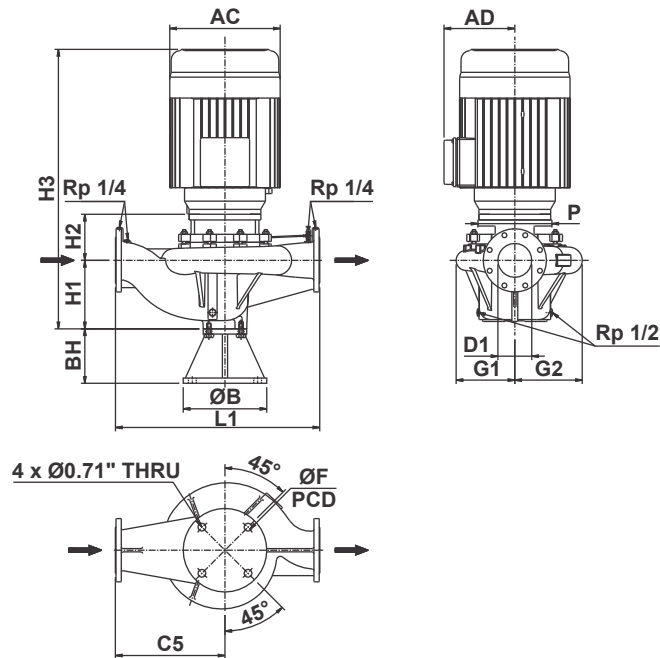
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 57 | 114 | 170 | 227 | 284 | 341 | 397 | 454 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|------|------|
| | HP | kW | | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 |
| TVI 40-1251D | 2.00 | 1.50 | H ft. | 63 | 62.7 | 61.1 | 58.6 | 53.6 | 44.5 | - | - |
| TVI 40-1251C | 3.00 | 2.20 | | 89 | 88.3 | 87.1 | 84.6 | 81.1 | 74.9 | 64.9 | - |
| TVI 40-1251B | 4.00 | 3.00 | | 101 | 100.6 | 99.4 | 97.2 | 93.7 | 88.4 | 79.6 | 63.6 |
| TVI 40-1251A | 5.00 | 3.70 | | 117.5 | 116.9 | 115.7 | 113.7 | 110.3 | 105.9 | 98.1 | 85.8 |

Technical data

Close-coupled vertical in-line pumps

TVI 40-1601 2-pole

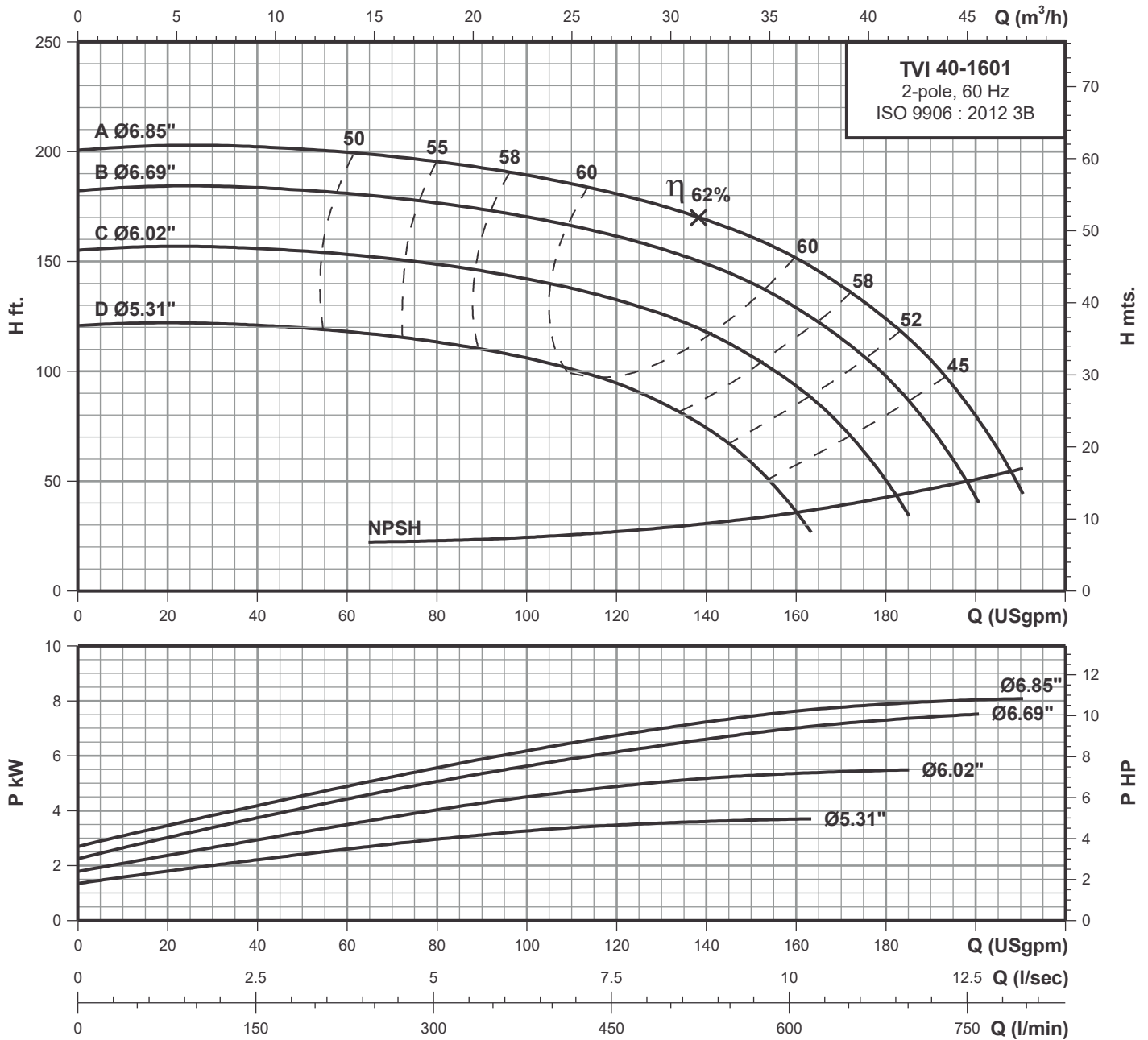


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 5 | 7.5 | 10 | 15 |
| | [kW] | 3.7 | 5.5 | 7.5 | 11 |
| Frame | | 184JM | 184JM | 215JM | 254JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 1.5 | 1.5 | 1.5 | 1.5 |
| | [mm] | 40 | 40 | 40 | 40 |
| H1 | [inch] | 4.72 | 4.72 | 4.72 | 4.72 |
| | [mm] | 120 | 120 | 120 | 120 |
| H2 | [inch] | 3.82 | 3.82 | 4.06 | 4.84 |
| | [mm] | 97 | 97 | 103 | 123 |
| H3 | [inch] | 21.85 | 21.85 | 25.2 | 29.25 |
| | [mm] | 555 | 555 | 640 | 743 |
| BH | [inch] | 4.92 | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 | 125 |
| B | [inch] | 7.56 | 7.56 | 7.56 | 7.56 |
| | [mm] | 192 | 192 | 192 | 192 |
| F | [inch] | 5.91 | 5.91 | 5.91 | 5.91 |
| | [mm] | 150 | 150 | 150 | 150 |
| L1 | [inch] | 13.98 | 13.98 | 13.98 | 13.98 |
| | [mm] | 355 | 355 | 355 | 355 |
| C5 | [inch] | 7.68 | 7.68 | 7.68 | 7.68 |
| | [mm] | 195 | 195 | 195 | 195 |
| G1 | [inch] | 4.29 | 4.29 | 4.29 | 4.29 |
| | [mm] | 109 | 109 | 109 | 109 |
| G2 | [inch] | 4.72 | 4.72 | 4.72 | 4.72 |
| | [mm] | 120 | 120 | 120 | 120 |
| P | [inch] | 6.5 | 6.5 | 8.86 | 10 |
| | [mm] | 165 | 165 | 225 | 254 |
| AC | [inch] | 8.58 | 8.58 | 10.24 | 11.93 |
| | [mm] | 218 | 218 | 260 | 303 |
| AD | [inch] | 6.46 | 6.46 | 7.4 | 9.49 |
| | [mm] | 164 | 164 | 188 | 241 |
| Net weight | [lbs] | 163 | 179 | 234 | 266 |
| | [kg] | 74 | 81 | 106 | 121 |
| Gross weight | [lbs] | 249 | 265 | 348 | 392 |
| | [kg] | 113 | 120 | 158 | 178 |
| Volume | [ft ³] | 8.66 | 8.66 | 13.08 | 15.41 |
| | [m ³] | 0.245 | 0.245 | 0.370 | 0.436 |

Performance curves

TVI 40-1601 2-pole

Close-coupled vertical in-line pumps



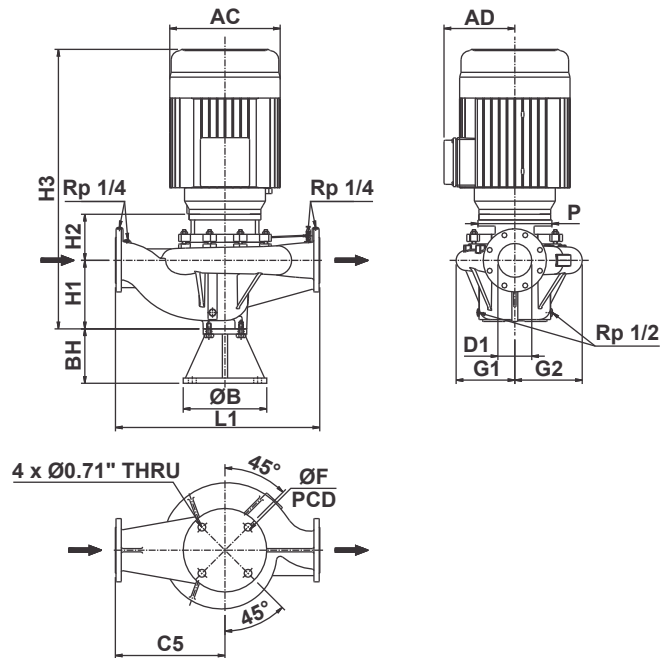
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 151 | 227 | 303 | 379 | 454 | 530 | 606 | 681 | 757 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | HP | kW | | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 |
| TVI 40-1601D | 5.00 | 3.70 | H ft. | 120.9 | 118.2 | 113.7 | 106.5 | 94.7 | 74.8 | 35.1 | - | - |
| TVI 40-1601C | 7.50 | 5.50 | | 156.1 | 153.4 | 148.9 | 141.7 | 132.6 | 118.2 | 93.8 | 49.6 | - |
| TVI 40-1601B | 10.0 | 7.50 | | 183.2 | 181.4 | 176.9 | 170.6 | 161.5 | 149.8 | 128.1 | 97.4 | 43.3 |
| TVI 40-1601A | 15 | 11 | | 202.1 | 199.5 | 195.8 | 189.5 | 180.5 | 169.6 | 151.6 | 124.5 | 79.3 |

Technical data

Close-coupled vertical in-line pumps

TVI 40-2001 2-pole

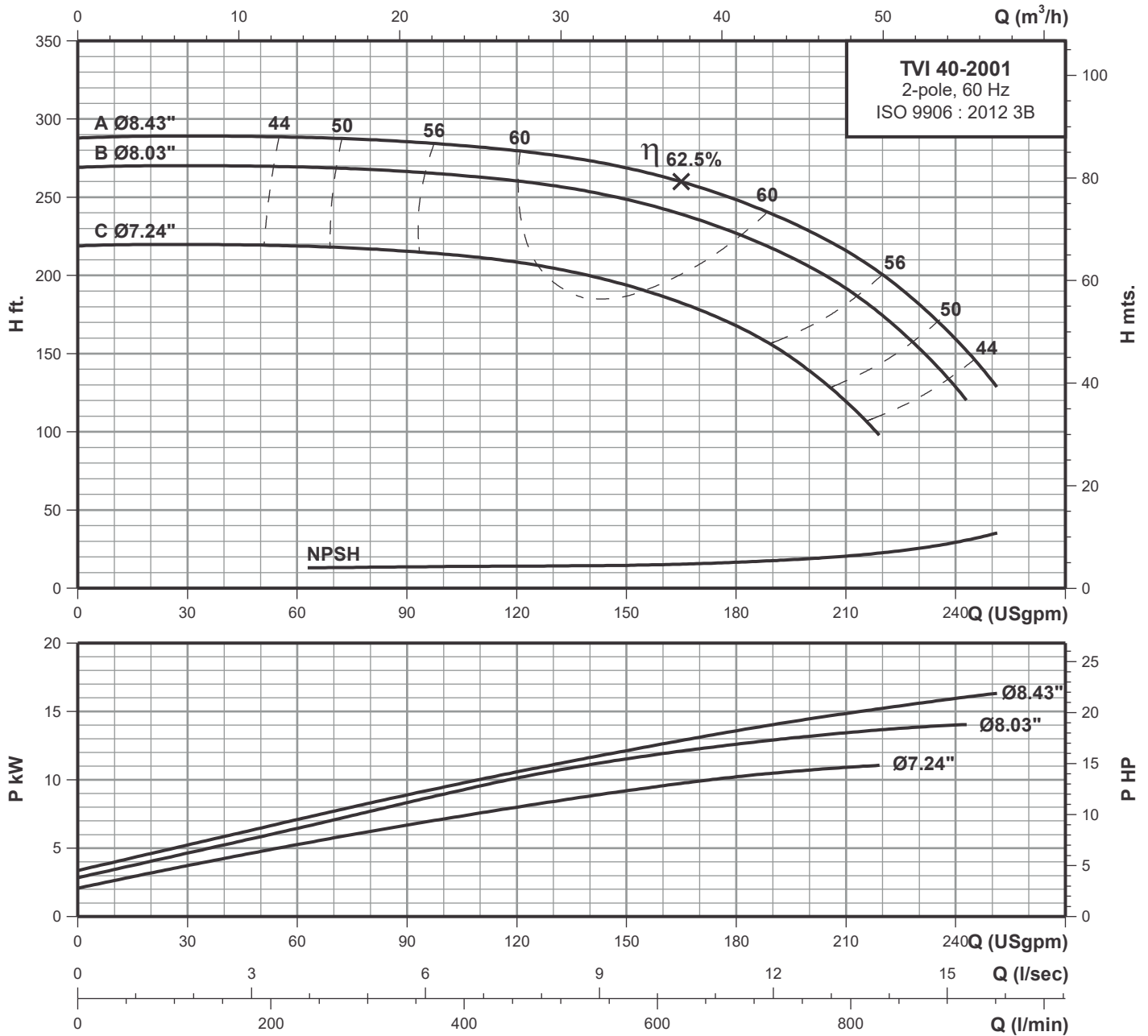


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 15 | 20 | 25 |
| | [kW] | 11 | 15 | 18.5 |
| Frame | | 254JM | 256JM | 284JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 1.5 | 1.5 | 1.5 |
| | [mm] | 40 | 40 | 40 |
| H1 | [inch] | 4.72 | 4.72 | 4.72 |
| | [mm] | 120 | 120 | 120 |
| H2 | [inch] | 4.61 | 4.61 | 4.57 |
| | [mm] | 117 | 117 | 116 |
| H3 | [inch] | 30.16 | 30.16 | 32.99 |
| | [mm] | 766 | 766 | 838 |
| BH | [inch] | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 |
| B | [inch] | 7.56 | 7.56 | 7.56 |
| | [mm] | 192 | 192 | 192 |
| F | [inch] | 5.91 | 5.91 | 5.91 |
| | [mm] | 150 | 150 | 150 |
| L1 | [inch] | 15.75 | 15.75 | 15.75 |
| | [mm] | 400 | 400 | 400 |
| C5 | [inch] | 8.46 | 8.46 | 8.46 |
| | [mm] | 215 | 215 | 215 |
| G1 | [inch] | 5.12 | 5.12 | 5.12 |
| | [mm] | 130 | 130 | 130 |
| G2 | [inch] | 5.55 | 5.55 | 5.55 |
| | [mm] | 141 | 141 | 141 |
| P | [inch] | 10 | 10 | 14.02 |
| | [mm] | 254 | 254 | 356 |
| AC | [inch] | 11.93 | 11.93 | 14.02 |
| | [mm] | 303 | 303 | 356 |
| AD | [inch] | 9.49 | 9.49 | 11.57 |
| | [mm] | 241 | 241 | 294 |
| Net weight | [lbs] | 325 | 367 | 539 |
| | [kg] | 147.5 | 166.5 | 244.5 |
| Gross weight | [lbs] | 450 | 493 | 685 |
| | [kg] | 204.5 | 223.5 | 310.5 |
| Volume | [ft ³] | 15.41 | 15.41 | 18.96 |
| | [m ³] | 0.436 | 0.436 | 0.537 |

Performance curves

TVI 40-2001 2-pole

Close-coupled vertical in-line pumps



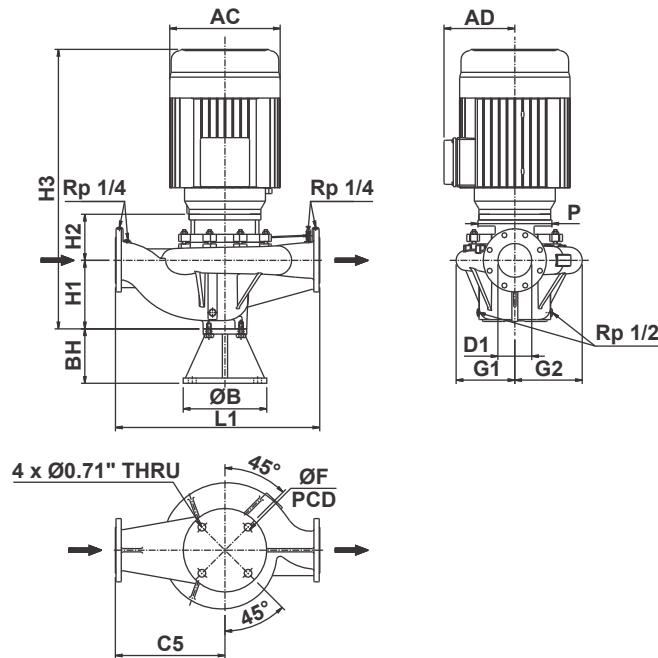
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 114 | 227 | 341 | 454 | 568 | 681 | 795 | 908 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 |
| TVI 40-2001C | 15.0 | 11.0 | H ft. | 220.2 | 218.7 | 215.8 | 209.3 | 194 | 167.7 | 119.6 | - |
| TVI 40-2001B | 20.0 | 15.0 | | 270.4 | 269.7 | 266.8 | 261 | 248.5 | 226.7 | 191.7 | 129.1 |
| TVI 40-2001A | 25.0 | 18.5 | | 289.5 | 288.6 | 285.8 | 279.9 | 269 | 248.5 | 216.6 | 158.9 |

Technical data

Close-coupled vertical in-line pumps

TVI 40-2501 2-pole

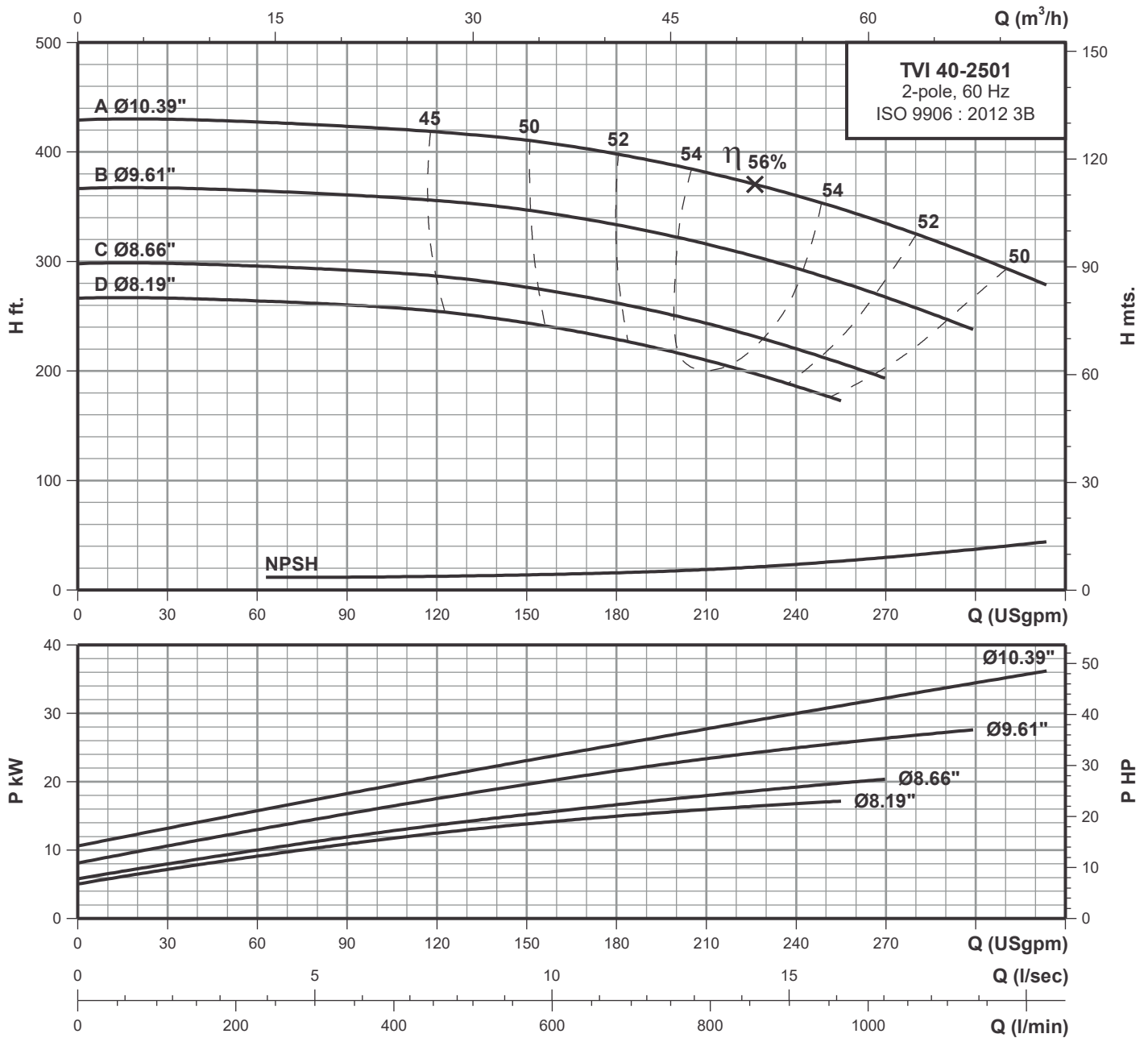


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 25 | 30 | 40 | 50 |
| | [kW] | 18.5 | 22 | 30 | 37 |
| Frame | | 284JM | 286JM | 324JM | 326JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 1.5 | 1.5 | 1.5 | 1.5 |
| | [mm] | 40 | 40 | 40 | 40 |
| H1 | [inch] | 5.12 | 5.12 | 5.12 | 5.12 |
| | [mm] | 130 | 130 | 130 | 130 |
| H2 | [inch] | 5.16 | 5.16 | 4.88 | 4.88 |
| | [mm] | 131 | 131 | 124 | 124 |
| H3 | [inch] | 33.98 | 35.51 | 37.09 | 37.09 |
| | [mm] | 863 | 902 | 942 | 942 |
| BH | [inch] | 4.92 | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 | 125 |
| B | [inch] | 7.56 | 7.56 | 7.56 | 7.56 |
| | [mm] | 192 | 192 | 192 | 192 |
| F | [inch] | 5.91 | 5.91 | 5.91 | 5.91 |
| | [mm] | 150 | 150 | 150 | 150 |
| L1 | [inch] | 18.11 | 18.11 | 18.11 | 18.11 |
| | [mm] | 460 | 460 | 460 | 460 |
| C5 | [inch] | 9.84 | 9.84 | 9.84 | 9.84 |
| | [mm] | 250 | 250 | 250 | 250 |
| G1 | [inch] | 6.3 | 6.3 | 6.3 | 6.3 |
| | [mm] | 160 | 160 | 160 | 160 |
| G2 | [inch] | 6.57 | 6.57 | 6.57 | 6.57 |
| | [mm] | 167 | 167 | 167 | 167 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 14.02 |
| | [mm] | 356 | 356 | 356 | 356 |
| AC | [inch] | 14.02 | 14.02 | 15.43 | 15.43 |
| | [mm] | 356 | 356 | 392 | 392 |
| AD | [inch] | 11.57 | 11.57 | 12.05 | 12.05 |
| | [mm] | 294 | 294 | 306 | 306 |
| Net weight | [lbs] | 540 | 573 | 690 | 734 |
| | [kg] | 245 | 260 | 313 | 333 |
| Gross weight | [lbs] | 686 | 730 | 847 | 891 |
| | [kg] | 311 | 331 | 384 | 404 |
| Volume | [ft ³] | 18.96 | 21.24 | 21.24 | 21.24 |
| | [m ³] | 0.537 | 0.601 | 0.601 | 0.601 |

Performance curves

TVI 40-2501 2-pole

Close-coupled vertical in-line pumps



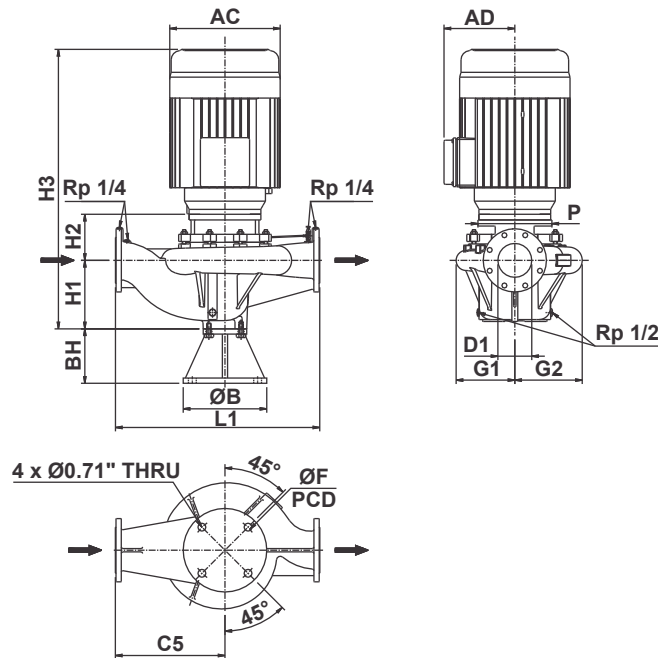
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 114 | 227 | 341 | 454 | 568 | 681 | 795 | 908 | 1022 | 1136 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 |
| TVI 40-2501D | 25.0 | 18.5 | H ft. | 266.8 | 264 | 260.4 | 254.9 | 243.9 | 229.2 | 210.9 | 187 | - | - |
| TVI 40-2501C | 30.0 | 22.0 | | 298 | 296.2 | 292.5 | 287 | 276.8 | 262.2 | 243.9 | 221 | 193.5 | - |
| TVI 40-2501B | 40.0 | 30.0 | | 366.6 | 364.8 | 361.2 | 355.7 | 347.5 | 333.7 | 316.3 | 294.2 | 267.7 | - |
| TVI 40-2501A | 50.0 | 37.0 | | 429.9 | 428.1 | 422.5 | 419 | 411.6 | 398.7 | 380.5 | 360.3 | 334.6 | 305.3 |

Technical data

Close-coupled vertical in-line pumps

TVI 50-1601 2-pole

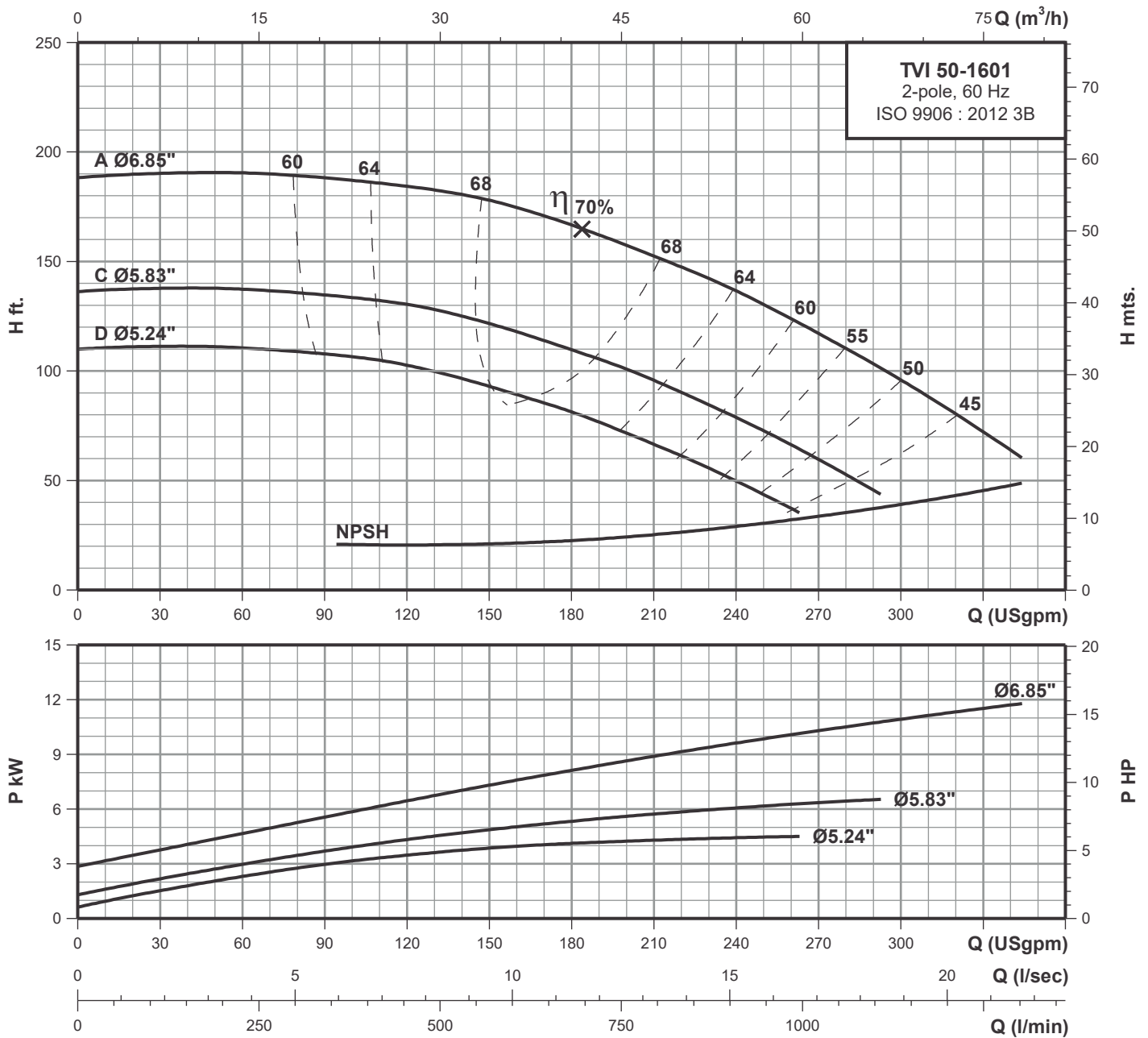


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 7.5 | 10 | 15 |
| | [kW] | 5.5 | 7.5 | 11 |
| Frame | | 184JM | 215JM | 254JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | A |
| D1 | [inch] | 2 | 2 | 2 |
| | [mm] | 50 | 50 | 50 |
| H1 | [inch] | 5.12 | 5.12 | 5.12 |
| | [mm] | 130 | 130 | 130 |
| H2 | [inch] | 3.7 | 3.94 | 4.72 |
| | [mm] | 94 | 100 | 120 |
| H3 | [inch] | 22.13 | 25.47 | 29.53 |
| | [mm] | 562 | 647 | 750 |
| BH | [inch] | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 |
| B | [inch] | 9.84 | 9.84 | 9.84 |
| | [mm] | 250 | 250 | 250 |
| F | [inch] | 8.19 | 8.19 | 8.19 |
| | [mm] | 208 | 208 | 208 |
| L1 | [inch] | 15.16 | 15.16 | 15.16 |
| | [mm] | 385 | 385 | 385 |
| C5 | [inch] | 8.46 | 8.46 | 8.46 |
| | [mm] | 215 | 215 | 215 |
| G1 | [inch] | 4.49 | 4.49 | 4.49 |
| | [mm] | 114 | 114 | 114 |
| G2 | [inch] | 5.2 | 5.2 | 5.2 |
| | [mm] | 132 | 132 | 132 |
| P | [inch] | 6.5 | 8.86 | 10 |
| | [mm] | 165 | 225 | 254 |
| AC | [inch] | 8.58 | 10.24 | 11.93 |
| | [mm] | 218 | 260 | 303 |
| AD | [inch] | 6.46 | 7.4 | 9.49 |
| | [mm] | 164 | 188 | 241 |
| Net weight | [lbs] | 195 | 250 | 283 |
| | [kg] | 88.5 | 113.5 | 128.5 |
| Gross weight | [lbs] | 281 | 365 | 408 |
| | [kg] | 127.5 | 165.5 | 185.5 |
| Volume | [ft ³] | 8.66 | 13.08 | 15.41 |
| | [m ³] | 0.245 | 0.370 | 0.436 |

Performance curves

TVI 50-1601 2-pole

Close-coupled vertical in-line pumps



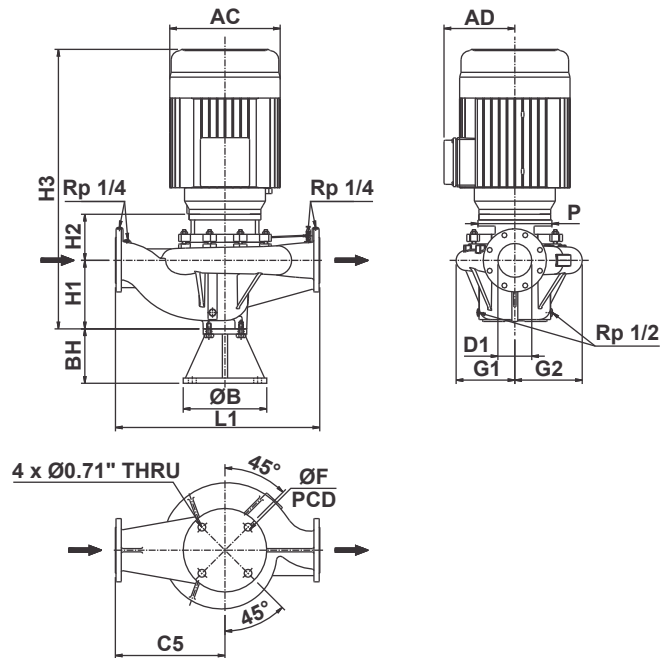
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 114 | 227 | 341 | 454 | 568 | 681 | 795 | 908 | 1022 | 1136 | 1249 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| | HP | kW | | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 |
| TVI 50-1601D | 7.50 | 5.50 | H ft. | 110.7 | 107.8 | 103 | 93.1 | 82 | 66.7 | 50 | - | - | - | - |
| TVI 50-1601C | 10.0 | 7.50 | | 137.6 | 137.1 | 134.7 | 130.8 | 121.5 | 109.8 | 95.6 | 79 | 59.9 | - | - |
| TVI 50-1601A | 15.0 | 11.0 | | 190.5 | 190.5 | 188.5 | 184.1 | 178.2 | 167 | 152.3 | 136.7 | 117.1 | 96 | 72.6 |

Technical data

Close-coupled vertical in-line pumps

TVI 50-2001 2-pole

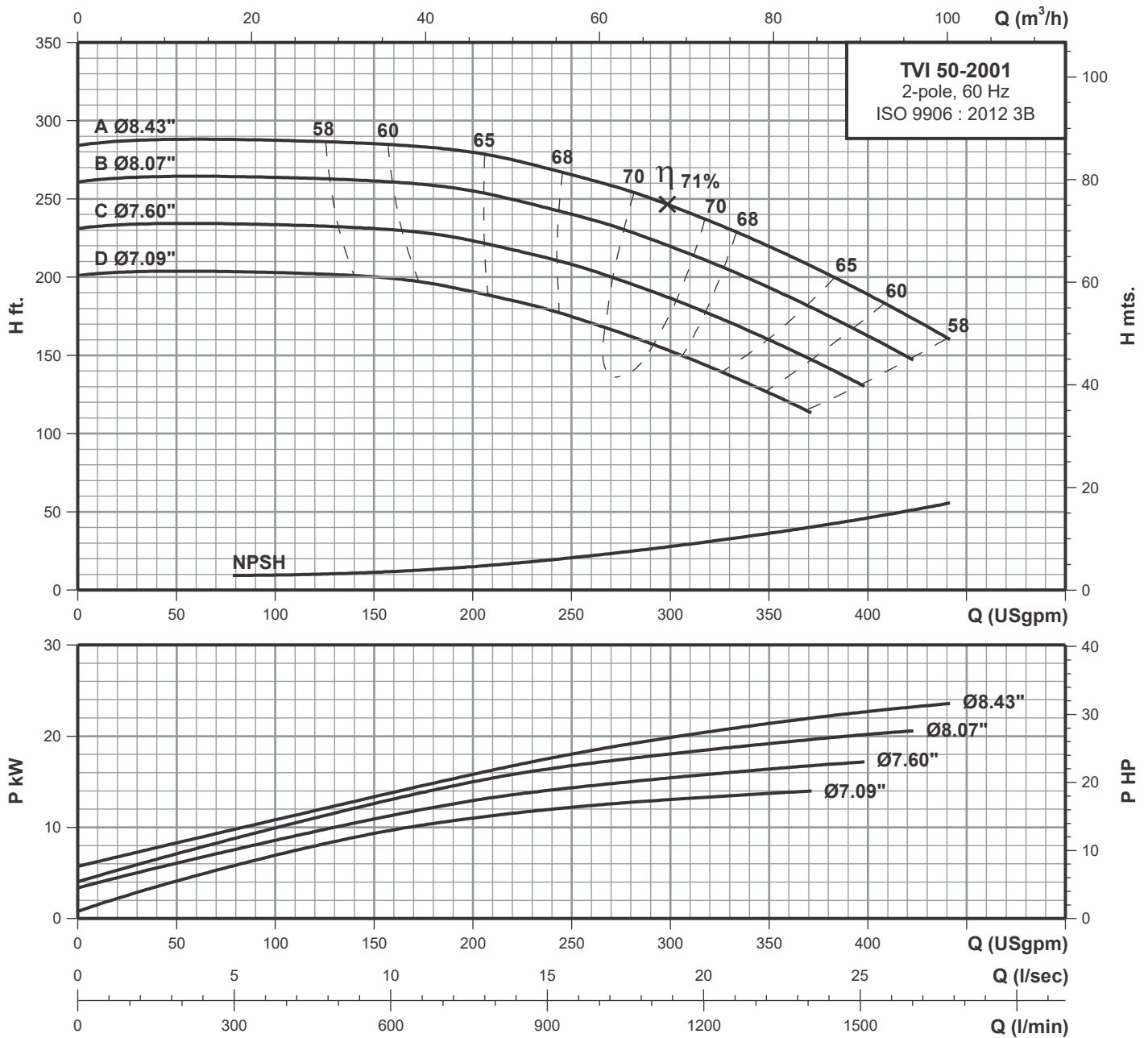


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 20 | 25 | 30 | 40 |
| | [kW] | 15 | 18.5 | 22 | 30 |
| Frame | | 256JM | 284JM | 286JM | 324JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 2 | 2 | 2 | 2 |
| | [mm] | 50 | 50 | 50 | 50 |
| H1 | [inch] | 5.28 | 5.28 | 5.28 | 5.28 |
| | [mm] | 134 | 134 | 134 | 134 |
| H2 | [inch] | 4.65 | 4.65 | 4.65 | 4.41 |
| | [mm] | 118 | 118 | 118 | 112 |
| H3 | [inch] | 30.75 | 33.62 | 35.16 | 36.77 |
| | [mm] | 781 | 854 | 893 | 934 |
| BH | [inch] | 4.92 | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 | 125 |
| B | [inch] | 9.84 | 9.84 | 9.84 | 9.84 |
| | [mm] | 250 | 250 | 250 | 250 |
| F | [inch] | 8.19 | 8.19 | 8.19 | 8.19 |
| | [mm] | 208 | 208 | 208 | 208 |
| L1 | [inch] | 17.32 | 17.32 | 17.32 | 17.32 |
| | [mm] | 440 | 440 | 440 | 440 |
| C5 | [inch] | 9.45 | 9.45 | 9.45 | 9.45 |
| | [mm] | 240 | 240 | 240 | 240 |
| G1 | [inch] | 5.31 | 5.31 | 5.31 | 5.31 |
| | [mm] | 135 | 135 | 135 | 135 |
| G2 | [inch] | 5.87 | 5.87 | 5.87 | 5.87 |
| | [mm] | 149 | 149 | 149 | 149 |
| P | [inch] | 10 | 14.02 | 14.02 | 14.02 |
| | [mm] | 254 | 356 | 356 | 356 |
| AC | [inch] | 11.93 | 14.02 | 14.02 | 15.43 |
| | [mm] | 303 | 356 | 356 | 392 |
| AD | [inch] | 9.49 | 11.57 | 11.57 | 12.05 |
| | [mm] | 241 | 294 | 294 | 306 |
| Net weight | [lbs] | 386 | 534 | 567 | 683 |
| | [kg] | 175 | 242 | 257 | 310 |
| Gross weight | [lbs] | 531 | 679 | 723 | 840 |
| | [kg] | 241 | 308 | 328 | 381 |
| Volume | [ft ³] | 18.96 | 18.96 | 21.24 | 21.24 |
| | [m ³] | 0.537 | 0.537 | 0.601 | 0.601 |

Performance curves

TVI 50-2001 2-pole

Close-coupled vertical in-line pumps



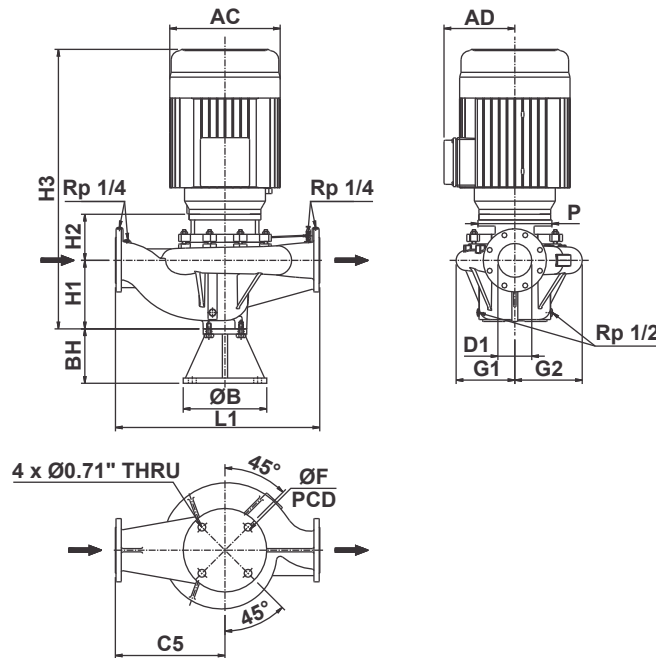
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 189 | 379 | 568 | 757 | 946 | 1136 | 1325 | 1514 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 |
| TVI 50-2001D | 20.0 | 15.0 | H ft. | 203.8 | 203.2 | 200 | 190.5 | 175.2 | 153 | 126.3 | - |
| TVI 50-2001C | 25.0 | 18.5 | | 234.3 | 233.7 | 231.2 | 223.6 | 208.3 | 186.7 | 160 | - |
| TVI 50-2001B | 30.0 | 22.0 | | 264.3 | 263.5 | 261.7 | 255.3 | 240.7 | 219.7 | 193 | 162.5 |
| TVI 50-2001A | 40.0 | 30.0 | | 287.7 | 287.7 | 285.2 | 280.1 | 265.5 | 245.8 | 219.7 | 189.2 |

Technical data

Close-coupled vertical in-line pumps

TVI 50-2501 2-pole

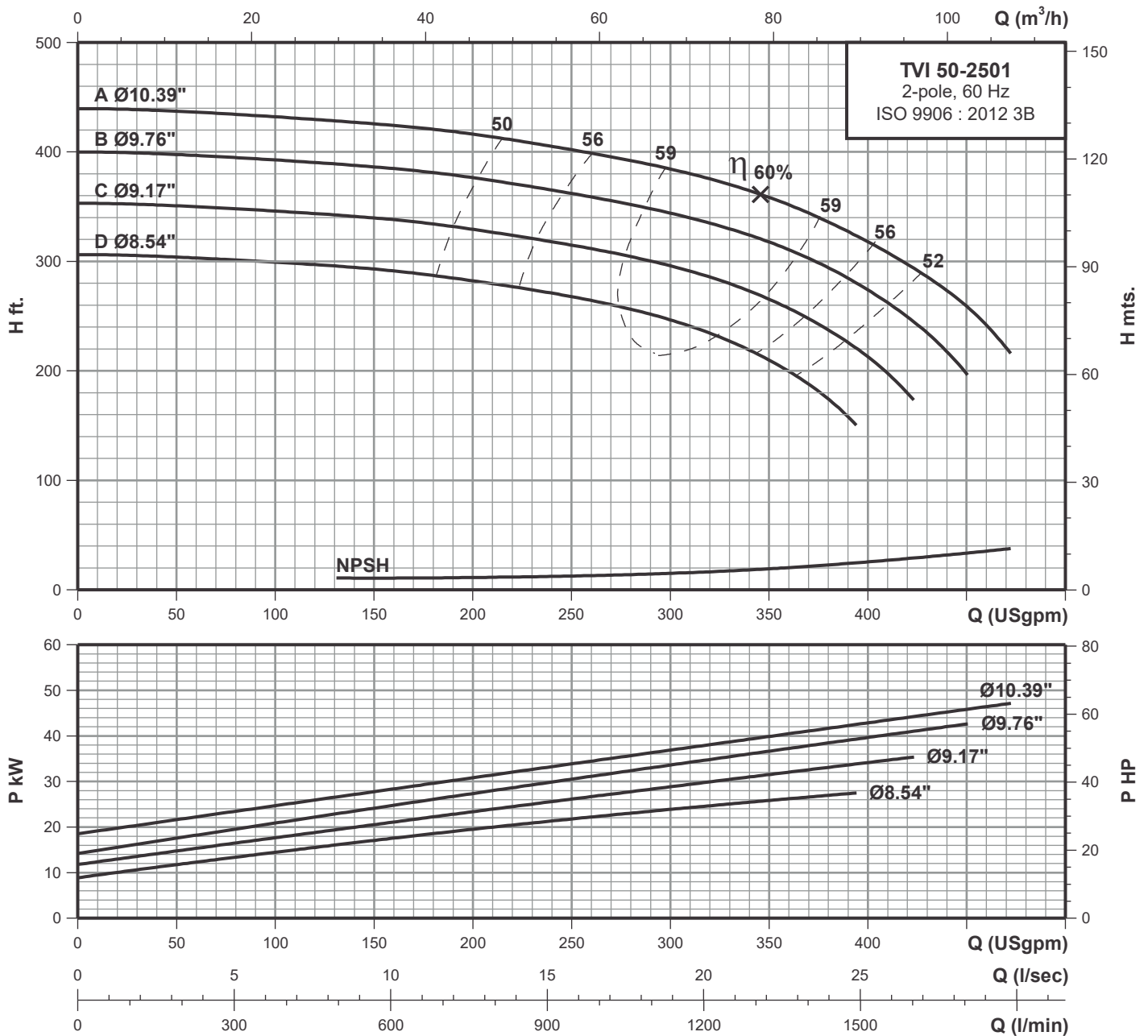


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 40 | 50 | 60 | 75 |
| | [kW] | 30 | 37 | 45 | 55 |
| Frame | | 324JM | 326JM | 364JM | 365JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 2 | 2 | 2 | 2 |
| | [mm] | 50 | 50 | 50 | 50 |
| H1 | [inch] | 5.83 | 5.83 | 5.83 | 5.83 |
| | [mm] | 148 | 148 | 148 | 148 |
| H2 | [inch] | 4.88 | 4.88 | 4.88 | 4.88 |
| | [mm] | 124 | 124 | 124 | 124 |
| H3 | [inch] | 37.8 | 37.8 | 38.27 | 39.25 |
| | [mm] | 960 | 960 | 972 | 997 |
| BH | [inch] | 4.92 | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 | 125 |
| B | [inch] | 9.84 | 9.84 | 9.84 | 9.84 |
| | [mm] | 250 | 250 | 250 | 250 |
| F | [inch] | 8.19 | 8.19 | 8.19 | 8.19 |
| | [mm] | 208 | 208 | 208 | 208 |
| L1 | [inch] | 19.29 | 19.29 | 19.29 | 19.29 |
| | [mm] | 490 | 490 | 490 | 490 |
| C5 | [inch] | 10.43 | 10.43 | 10.43 | 10.43 |
| | [mm] | 265 | 265 | 265 | 265 |
| G1 | [inch] | 6.26 | 6.26 | 6.26 | 6.26 |
| | [mm] | 159 | 159 | 159 | 159 |
| G2 | [inch] | 6.81 | 6.81 | 6.81 | 6.81 |
| | [mm] | 173 | 173 | 173 | 173 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 14.02 |
| | [mm] | 356 | 356 | 356 | 356 |
| AC | [inch] | 15.43 | 15.43 | 16.5 | 16.5 |
| | [mm] | 392 | 392 | 419 | 419 |
| AD | [inch] | 12.05 | 12.05 | 12.91 | 12.91 |
| | [mm] | 306 | 306 | 328 | 328 |
| Net weight | [lbs] | 712 | 756 | 809 | 922 |
| | [kg] | 323 | 343 | 367 | 418 |
| Gross weight | [lbs] | 869 | 913 | 966 | 1078 |
| | [kg] | 394 | 414 | 438 | 489 |
| Volume | [ft ³] | 21.24 | 21.24 | 21.24 | 21.24 |
| | [m ³] | 0.601 | 0.601 | 0.601 | 0.601 |

Performance curves

TVI 50-2501 2-pole

Close-coupled vertical in-line pumps



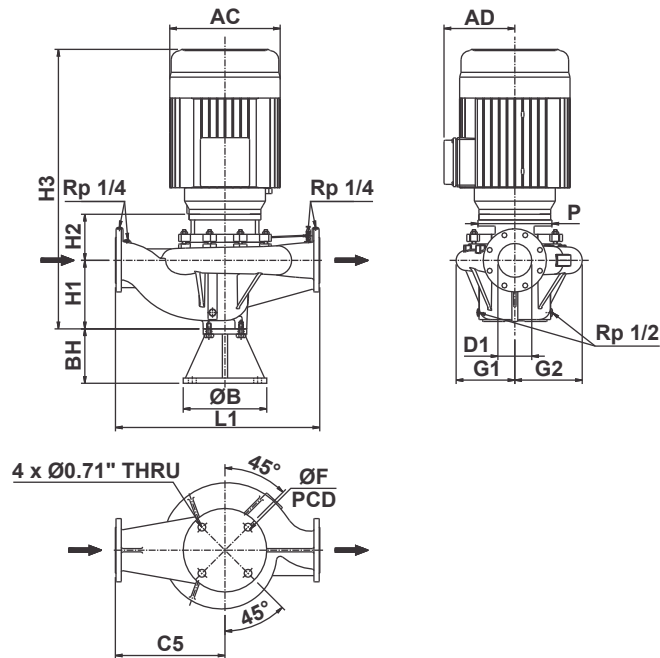
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 189 | 379 | 568 | 757 | 946 | 1136 | 1325 | 1514 | 1703 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 |
| TVI 50-2501D | 40.0 | 30.0 | H ft. | 304.1 | 299.2 | 293.4 | 282.6 | 267.8 | 247.3 | 210.7 | - | - |
| TVI 50-2501C | 50.0 | 37.0 | | 346.4 | 339.6 | 329.7 | 315 | 296.3 | 265.8 | 212.7 | - | - |
| TVI 50-2501B | 60.0 | 45.0 | | 397.6 | 392.7 | 386.8 | 376.9 | 363.2 | 344.6 | 317.9 | 274.7 | 196.9 |
| TVI 50-2501A | 75.0 | 55.0 | | 436.9 | 432 | 426 | 416.3 | 402.5 | 383.8 | 398.3 | 318.9 | 259 |

Technical data

Close-coupled vertical in-line pumps

TVI 65-1601 2-pole

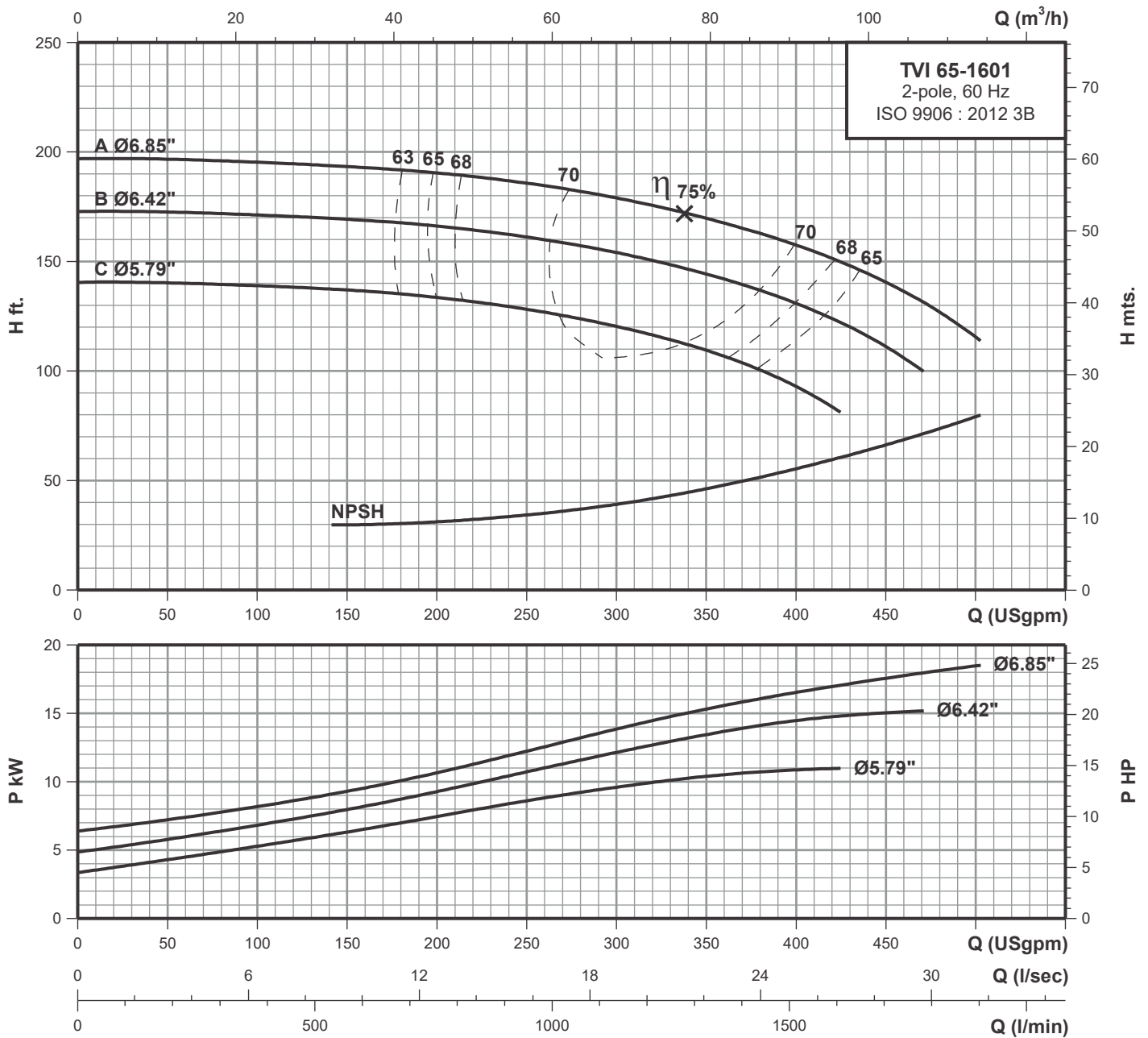


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 15 | 20 | 25 |
| | [kW] | 11 | 15 | 18.5 |
| Frame | | 254JM | 256JM | 284JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 2.5 | 2.5 | 2.5 |
| | [mm] | 65 | 65 | 65 |
| H1 | [inch] | 5.24 | 5.24 | 5.24 |
| | [mm] | 133 | 133 | 133 |
| H2 | [inch] | 4.72 | 4.72 | 4.72 |
| | [mm] | 120 | 120 | 120 |
| H3 | [inch] | 29.65 | 30.79 | 33.66 |
| | [mm] | 753 | 782 | 855 |
| BH | [inch] | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 |
| B | [inch] | 10.83 | 10.83 | 10.83 |
| | [mm] | 275 | 275 | 275 |
| F | [inch] | 9.17 | 9.17 | 9.17 |
| | [mm] | 233 | 233 | 233 |
| L1 | [inch] | 17.32 | 17.32 | 17.32 |
| | [mm] | 440 | 440 | 440 |
| C5 | [inch] | 9.45 | 9.45 | 9.45 |
| | [mm] | 240 | 240 | 240 |
| G1 | [inch] | 4.76 | 4.76 | 4.76 |
| | [mm] | 121 | 121 | 121 |
| G2 | [inch] | 5.75 | 5.75 | 5.75 |
| | [mm] | 146 | 146 | 146 |
| P | [inch] | 10 | 10 | 14.02 |
| | [mm] | 254 | 254 | 356 |
| AC | [inch] | 11.93 | 11.93 | 14.02 |
| | [mm] | 303 | 303 | 356 |
| AD | [inch] | 9.49 | 9.49 | 11.57 |
| | [mm] | 241 | 241 | 294 |
| Net weight | [lbs] | 345 | 388 | 538 |
| | [kg] | 157 | 176 | 244 |
| Gross weight | [lbs] | 471 | 514 | 683 |
| | [kg] | 214 | 233 | 310 |
| Volume | [ft ³] | 15.41 | 15.41 | 18.96 |
| | [m ³] | 0.436 | 0.436 | 0.537 |

Performance curves

TVI 65-1601 2-pole

Close-coupled vertical in-line pumps



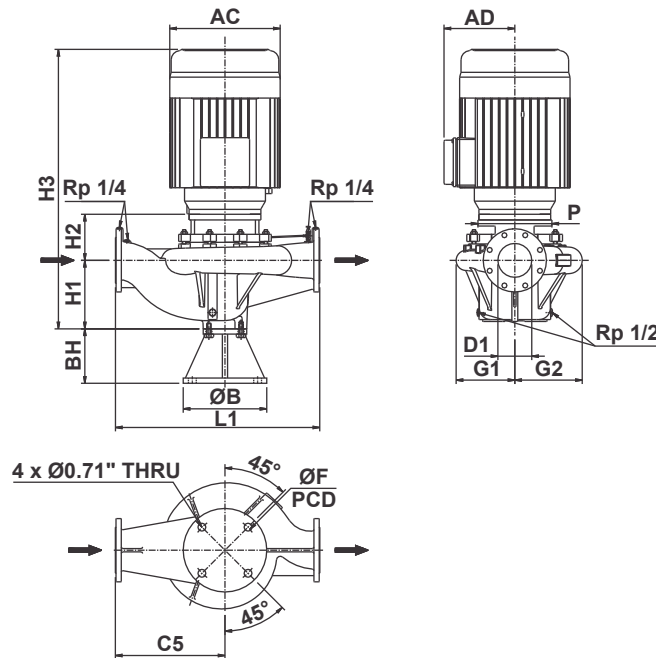
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 189 | 379 | 568 | 757 | 946 | 1136 | 1325 | 1514 | 1703 | 1893 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| TVI 65-1601C | 15.0 | 11.0 | H ft. | 140.2 | 139 | 137.2 | 133.7 | 128 | 120.7 | 109.4 | 93.3 | - | - |
| TVI 65-1601B | 20.0 | 15.0 | | 172.4 | 171.1 | 169.4 | 166.3 | 161.5 | 154.1 | 144.1 | 130.7 | 111.5 | - |
| TVI 65-1601A | 25.0 | 18.5 | | 196.3 | 195.4 | 193.7 | 190.2 | 185.9 | 178.9 | 170 | 158.1 | 140.7 | 116.3 |

Technical data

Close-coupled vertical in-line pumps

TVI 65-2001 2-pole

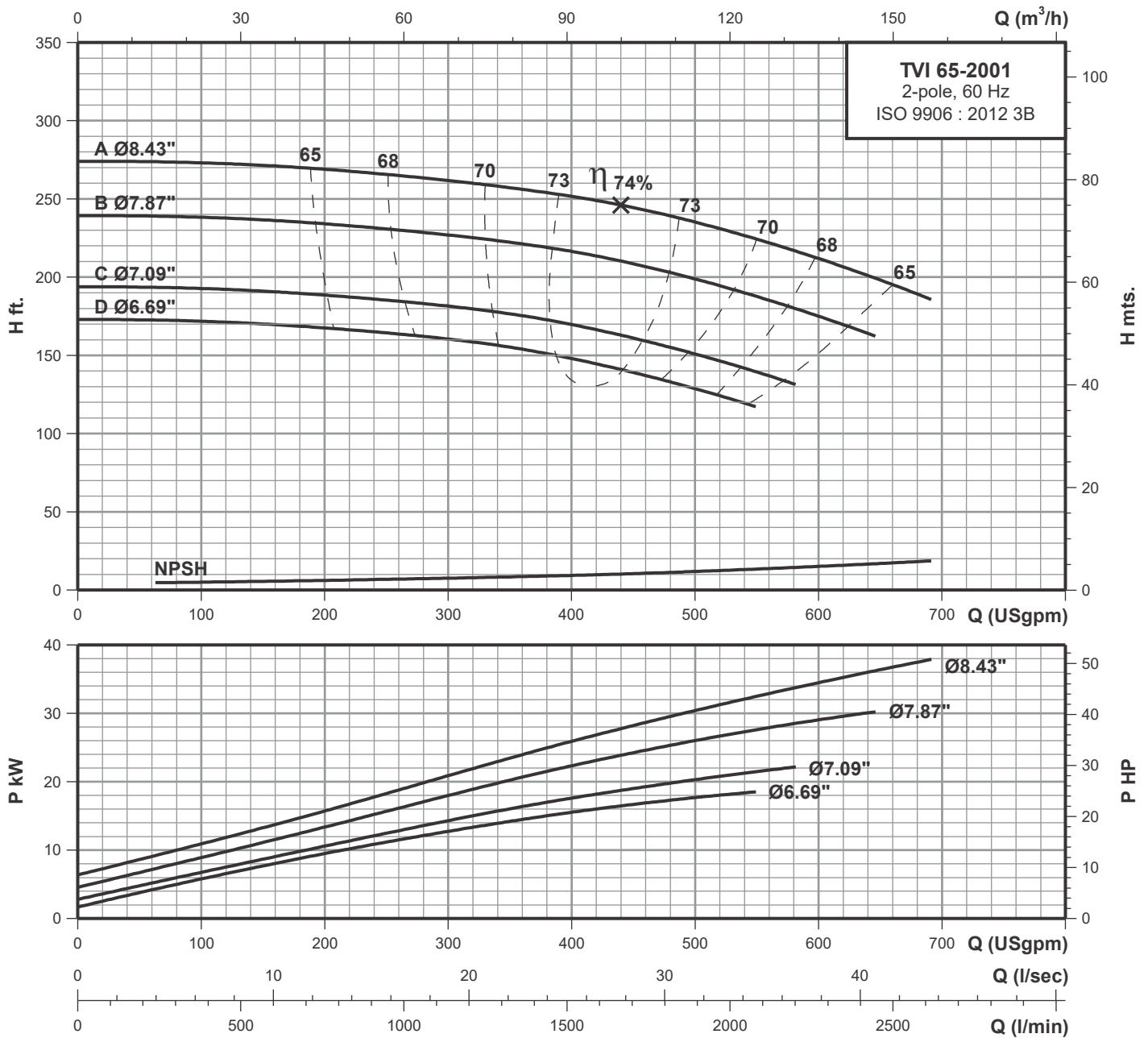


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 25 | 30 | 40 | 50 |
| | [kW] | 18.5 | 22 | 30 | 37 |
| Frame | | 284JM | 286JM | 324JM | 326JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 2.5 | 2.5 | 2.5 | 2.5 |
| | [mm] | 65 | 65 | 65 | 65 |
| H1 | [inch] | 6.18 | 6.18 | 6.18 | 6.18 |
| | [mm] | 157 | 157 | 157 | 157 |
| H2 | [inch] | 4.96 | 4.96 | 4.72 | 4.72 |
| | [mm] | 126 | 126 | 120 | 120 |
| H3 | [inch] | 34.84 | 36.38 | 37.99 | 37.99 |
| | [mm] | 885 | 924 | 965 | 965 |
| BH | [inch] | 4.92 | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 | 125 |
| B | [inch] | 10.83 | 10.83 | 10.83 | 10.83 |
| | [mm] | 275 | 275 | 275 | 275 |
| F | [inch] | 9.17 | 9.17 | 9.17 | 9.17 |
| | [mm] | 233 | 233 | 233 | 233 |
| L1 | [inch] | 19.49 | 19.49 | 19.49 | 19.49 |
| | [mm] | 495 | 495 | 495 | 495 |
| C5 | [inch] | 10.63 | 10.63 | 10.63 | 10.63 |
| | [mm] | 270 | 270 | 270 | 270 |
| G1 | [inch] | 5.59 | 5.59 | 5.59 | 5.59 |
| | [mm] | 142 | 142 | 142 | 142 |
| G2 | [inch] | 6.3 | 6.3 | 6.3 | 6.3 |
| | [mm] | 160 | 160 | 160 | 160 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 14.02 |
| | [mm] | 356 | 356 | 356 | 356 |
| AC | [inch] | 14.02 | 14.02 | 15.43 | 15.43 |
| | [mm] | 356 | 356 | 392 | 392 |
| AD | [inch] | 11.57 | 11.57 | 12.05 | 12.05 |
| | [mm] | 294 | 294 | 306 | 306 |
| Net weight | [lbs] | 549 | 582 | 699 | 743 |
| | [kg] | 249 | 264 | 317 | 337 |
| Gross weight | [lbs] | 705 | 739 | 855 | 899 |
| | [kg] | 320 | 335 | 388 | 408 |
| Volume | [ft ³] | 21.24 | 21.24 | 21.24 | 21.24 |
| | [m ³] | 0.601 | 0.601 | 0.601 | 0.601 |

Performance curves

TVI 65-2001 2-pole

Close-coupled vertical in-line pumps



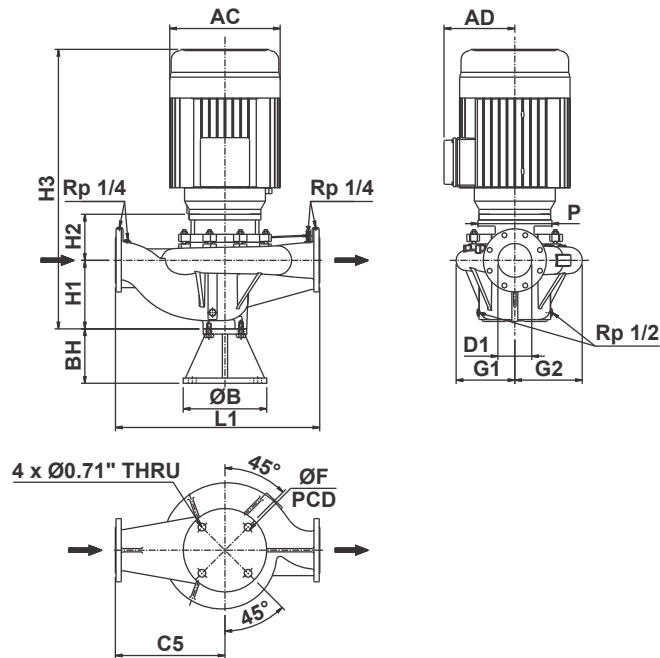
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 379 | 757 | 1136 | 1514 | 1893 | 2271 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 100 | 200 | 300 | 400 | 500 | 600 |
| TVI 65-2001D | 25.0 | 18.5 | H ft. | 172 | 167.4 | 160.6 | 148 | 129.2 | - |
| TVI 65-2001C | 30.0 | 22.0 | | 192.7 | 188.7 | 181.3 | 170 | 151.3 | - |
| TVI 65-2001B | 40.0 | 30.0 | | 238.1 | 234.1 | 226.7 | 216.8 | 199.4 | 175.4 |
| TVI 65-2001A | 50.0 | 37.0 | | 273 | 269 | 262.3 | 251.5 | 235.5 | 212.1 |

Technical data

Close-coupled vertical in-line pumps

TVI 65-2501 2-pole

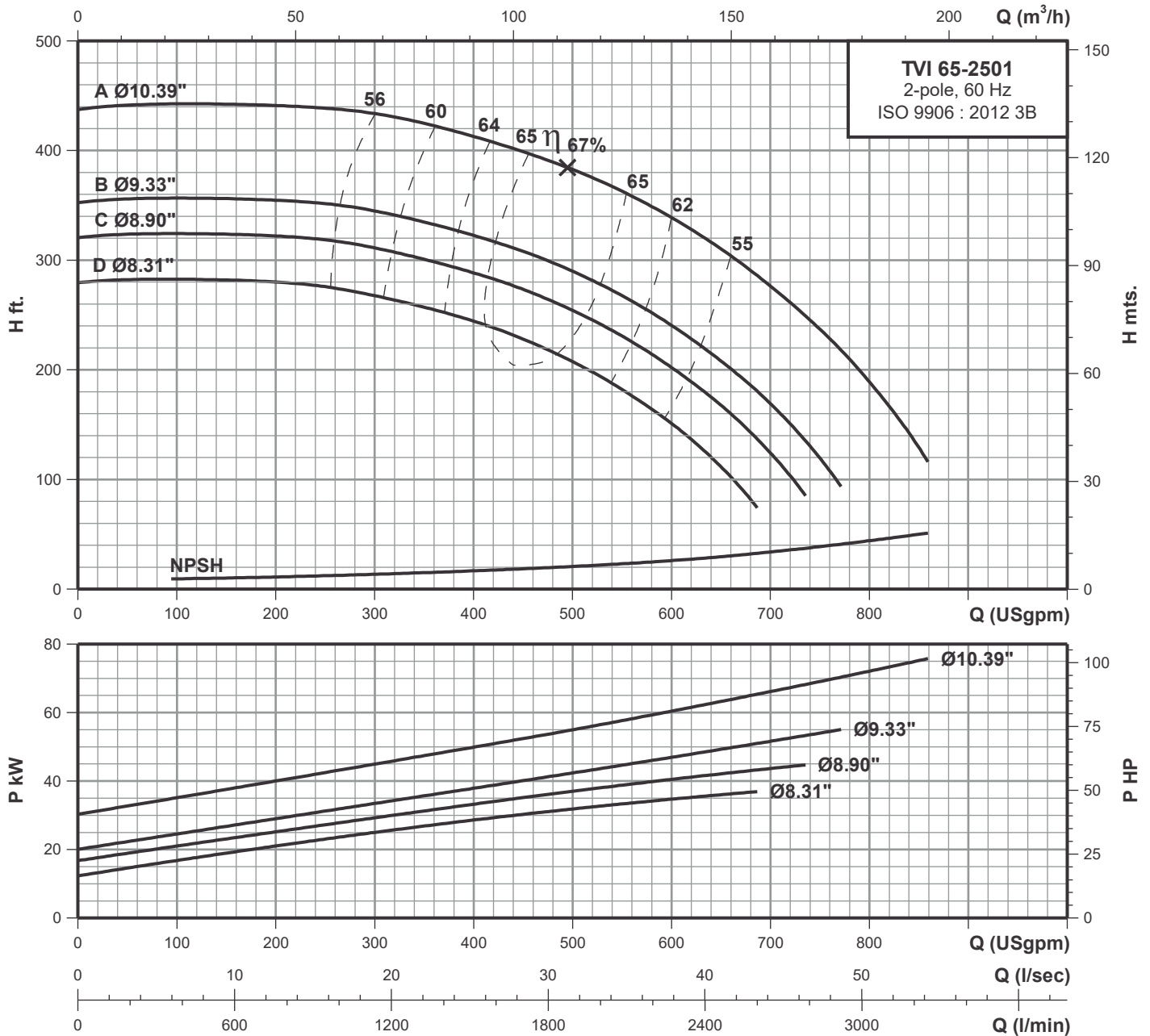


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|--------|
| Power | [hp] | 50 | 60 | 75 | 100 |
| | [kW] | 37 | 45 | 55 | 75 |
| Frame | | 326JM | 364JM | 365JM | 405TSC |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 2.5 | 2.5 | 2.5 | 2.5 |
| | [mm] | 65 | 65 | 65 | 65 |
| H1 | [inch] | 6.77 | 6.77 | 6.77 | 6.77 |
| | [mm] | 172 | 172 | 172 | 172 |
| H2 | [inch] | 5.16 | 5.16 | 5.16 | 12.28 |
| | [mm] | 131 | 131 | 131 | 312 |
| H3 | [inch] | 39.02 | 39.49 | 40.47 | 50.28 |
| | [mm] | 991 | 1003 | 1028 | 1277 |
| BH | [inch] | 4.92 | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 | 125 |
| B | [inch] | 10.83 | 10.83 | 10.83 | 10.83 |
| | [mm] | 275 | 275 | 275 | 275 |
| F | [inch] | 9.17 | 9.17 | 9.17 | 9.17 |
| | [mm] | 233 | 233 | 233 | 233 |
| L1 | [inch] | 21.65 | 21.65 | 21.65 | 21.65 |
| | [mm] | 550 | 550 | 550 | 550 |
| C5 | [inch] | 11.81 | 11.81 | 11.81 | 11.81 |
| | [mm] | 300 | 300 | 300 | 300 |
| G1 | [inch] | 6.69 | 6.69 | 6.69 | 6.69 |
| | [mm] | 170 | 170 | 170 | 170 |
| G2 | [inch] | 7.4 | 7.4 | 7.4 | 7.4 |
| | [mm] | 188 | 188 | 188 | 188 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 15.51 |
| | [mm] | 356 | 356 | 356 | 394 |
| AC | [inch] | 15.43 | 16.5 | 16.5 | 19.17 |
| | [mm] | 392 | 419 | 419 | 487 |
| AD | [inch] | 12.05 | 12.91 | 12.91 | 16.3 |
| | [mm] | 306 | 328 | 328 | 414 |
| Net weight | [lbs] | 795 | 848 | 960 | 1377 |
| | [kg] | 360.5 | 384.5 | 435.5 | 624.5 |
| Gross weight | [lbs] | 993 | 1046 | 1159 | 1657 |
| | [kg] | 450.5 | 474.5 | 525.5 | 751.5 |
| Volume | [ft ³] | 30.5 | 30.5 | 30.5 | 50.03 |
| | [m ³] | 0.864 | 0.864 | 0.864 | 1.417 |

Performance curves

TVI 65-2501 2-pole

Close-coupled vertical in-line pumps



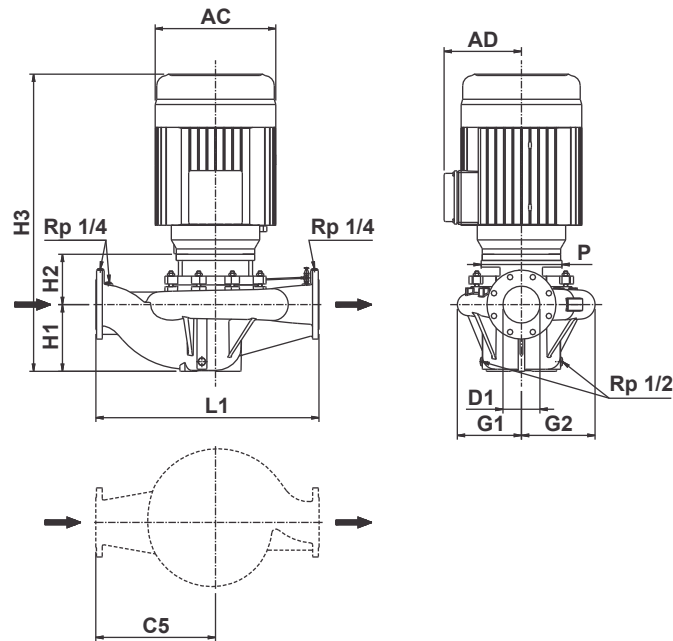
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 379 | 757 | 1136 | 1514 | 1893 | 2271 | 2650 | 3028 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 |
| TVI 65-2501D | 50.0 | 37.0 | H ft. | 214.5 | 211.5 | 196.2 | 171.8 | 128.1 | - | - | - |
| TVI 65-2501C | 60.0 | 45.0 | | 272.4 | 269.4 | 257.1 | 232.8 | 196.2 | 137.3 | - | - |
| TVI 65-2501B | 75.0 | 55.0 | | 335.5 | 334.5 | 324.3 | 300.8 | 267.3 | 216.5 | 141.4 | - |
| TVI 65-2501A | 100.0 | 75.0 | | 442.2 | 441.2 | 434.1 | 413.8 | 383.3 | 339.6 | 277.4 | 189.1 |

Technical data

Close-coupled vertical in-line pumps

TVI 80-1601 2-pole

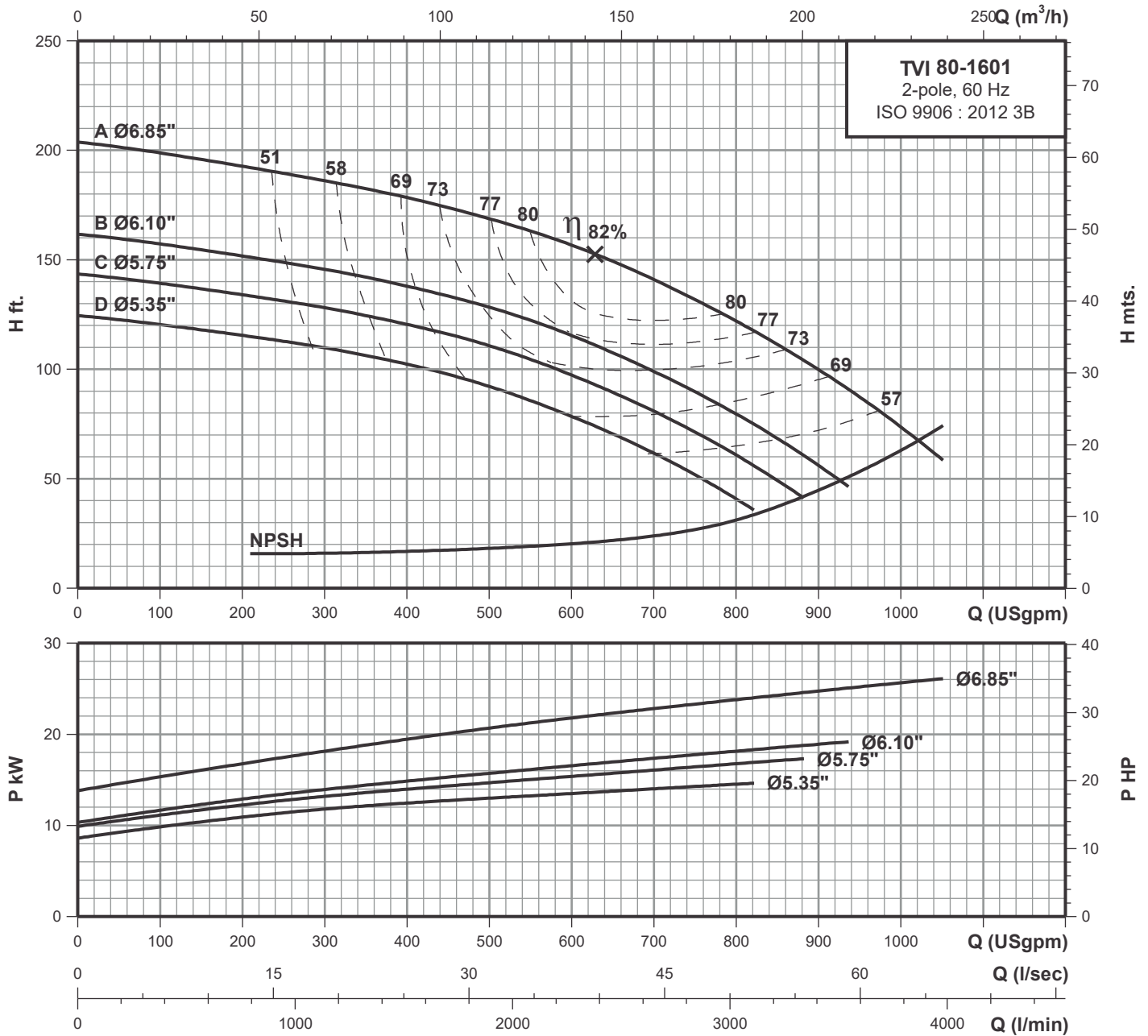


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 20 | 25 | 30 | 40 |
| | [kW] | 15 | 18.5 | 22 | 30 |
| Frame | | 256JM | 284JM | 286JM | 324JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 3 | 3 | 3 | 3 |
| | [mm] | 80 | 80 | 80 | 80 |
| H1 | [inch] | 6.38 | 6.38 | 6.38 | 6.38 |
| | [mm] | 162 | 162 | 162 | 162 |
| H2 | [inch] | 5.12 | 5.47 | 5.47 | 5.24 |
| | [mm] | 130 | 139 | 139 | 133 |
| H3 | [inch] | 32.32 | 35.55 | 37.09 | 38.7 |
| | [mm] | 821 | 903 | 942 | 983 |
| L1 | [inch] | 19.69 | 19.69 | 19.69 | 19.69 |
| | [mm] | 500 | 500 | 500 | 500 |
| C5 | [inch] | 10.83 | 10.83 | 10.83 | 10.83 |
| | [mm] | 275 | 275 | 275 | 275 |
| G1 | [inch] | 5.24 | 5.24 | 5.24 | 5.24 |
| | [mm] | 133 | 133 | 133 | 133 |
| G2 | [inch] | 6.18 | 6.18 | 6.18 | 6.18 |
| | [mm] | 157 | 157 | 157 | 157 |
| P | [inch] | 10 | 14.02 | 14.02 | 14.02 |
| | [mm] | 254 | 356 | 356 | 356 |
| AC | [inch] | 11.93 | 14.02 | 14.02 | 15.43 |
| | [mm] | 303 | 356 | 356 | 392 |
| AD | [inch] | 9.49 | 11.57 | 11.57 | 12.05 |
| | [mm] | 241 | 294 | 294 | 306 |
| Net weight | [lbs] | 390 | 540 | 573 | 690 |
| | [kg] | 177 | 245 | 260 | 313 |
| Gross weight | [lbs] | 516 | 686 | 719 | 836 |
| | [kg] | 234 | 311 | 326 | 379 |
| Volume | [ft ³] | 15.41 | 18.96 | 18.96 | 18.96 |
| | [m ³] | 0.436 | 0.537 | 0.537 | 0.537 |

Performance curves

TVI 80-1601 2-pole

Close-coupled vertical in-line pumps



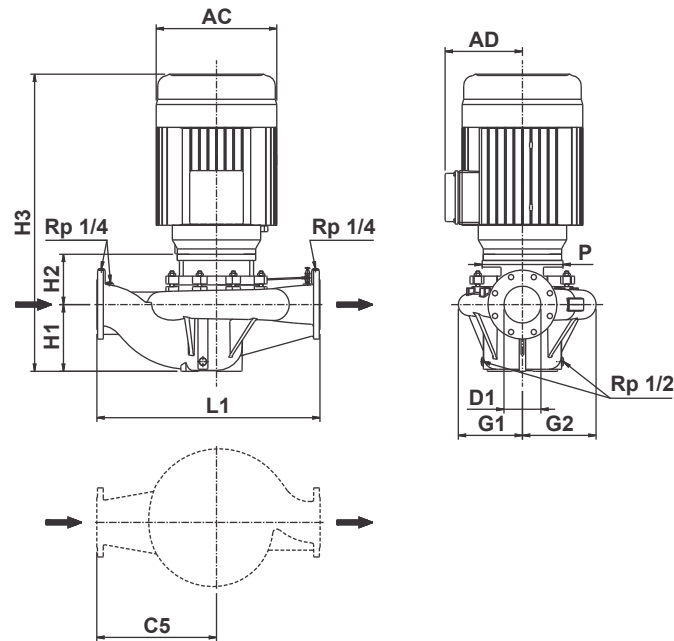
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 379 | 757 | 1136 | 1514 | 1893 | 2271 | 2650 | 3028 | 3407 | 3785 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| | HP | kW | | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
| TVI 80-1601D | 20.0 | 15.0 | H ft. | 120.6 | 115.6 | 110 | 102.1 | 91.9 | 78.5 | 61.9 | 41.1 | - | - |
| TVI 80-1601C | 25.0 | 18.5 | | 139.6 | 134 | 128.5 | 120.6 | 110.9 | 97.5 | 81.3 | 61 | - | - |
| TVI 80-1601B | 30.0 | 22.0 | | 157.2 | 151.6 | 145.6 | 138.2 | 128.5 | 115.6 | 98.9 | 79.5 | 56.3 | - |
| TVI 80-1601A | 40.0 | 30.0 | | 198.8 | 192.8 | 186.3 | 178.8 | 168.7 | 157.1 | 141.4 | 122 | 100 | 73.4 |

Technical data

Close-coupled vertical in-line pumps

TVI 80-2001 2-pole

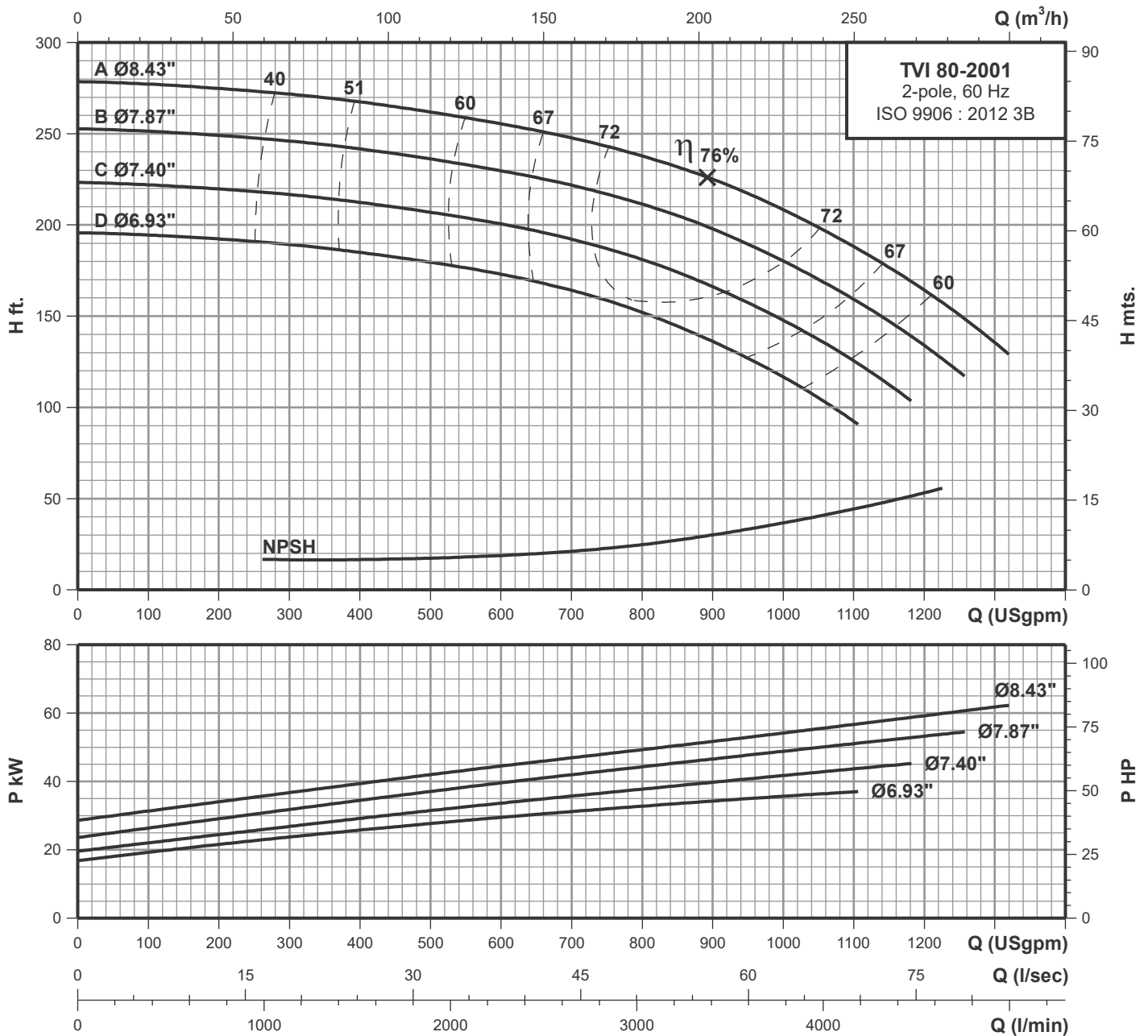


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|--------|
| Power | [hp] | 50 | 60 | 75 | 100 |
| | [kW] | 37 | 45 | 55 | 75 |
| Frame | | 326JM | 364JM | 365JM | 405TSC |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 3 | 3 | 3 | 3 |
| | [mm] | 80 | 80 | 80 | 80 |
| H1 | [inch] | 6.69 | 6.69 | 6.69 | 6.69 |
| | [mm] | 170 | 170 | 170 | 170 |
| H2 | [inch] | 5.12 | 5.12 | 5.16 | 12.28 |
| | [mm] | 130 | 130 | 131 | 312 |
| H3 | [inch] | 38.9 | 39.37 | 40.39 | 50.2 |
| | [mm] | 988 | 1000 | 1026 | 1275 |
| L1 | [inch] | 22.01 | 22.01 | 22.01 | 22.01 |
| | [mm] | 559 | 559 | 559 | 559 |
| C5 | [inch] | 12.17 | 12.17 | 12.17 | 12.17 |
| | [mm] | 309 | 309 | 309 | 309 |
| G1 | [inch] | 6.1 | 6.1 | 6.1 | 6.1 |
| | [mm] | 155 | 155 | 155 | 155 |
| G2 | [inch] | 7.2 | 7.2 | 7.2 | 7.2 |
| | [mm] | 183 | 183 | 183 | 183 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 15.51 |
| | [mm] | 356 | 356 | 356 | 394 |
| AC | [inch] | 15.43 | 16.5 | 16.5 | 19.17 |
| | [mm] | 392 | 419 | 419 | 487 |
| AD | [inch] | 12.05 | 12.91 | 12.91 | 16.3 |
| | [mm] | 306 | 328 | 328 | 414 |
| Net weight | [lbs] | 761 | 813 | 926 | 1343 |
| | [kg] | 345 | 369 | 420 | 609 |
| Gross weight | [lbs] | 955 | 1008 | 1120 | 1585 |
| | [kg] | 433 | 457 | 508 | 719 |
| Volume | [ft ³] | 28.97 | 28.97 | 28.97 | 41.29 |
| | [m ³] | 0.820 | 0.820 | 0.820 | 1.169 |

Performance curves

TVI 80-2001 2-pole

Close-coupled vertical in-line pumps



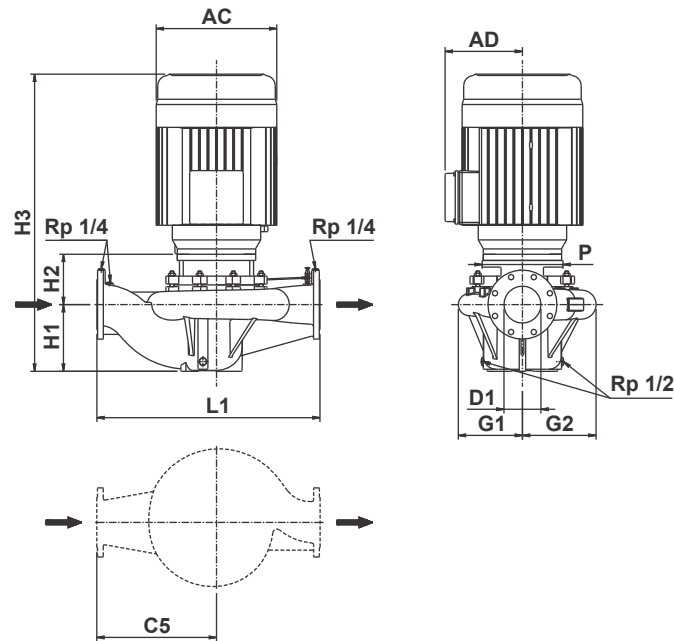
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 1136 | 1514 | 1893 | 2271 | 2650 | 3028 | 3407 | 3785 | 4164 | 4542 | 4921 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 |
| TVI 80-2001D | 50.0 | 37.0 | H ft. | 189.2 | 184.9 | 179.3 | 173.2 | 164.6 | 152.2 | 136.1 | 117 | 92.3 | - | - |
| TVI 80-2001C | 60.0 | 45.0 | | 216.4 | 212.1 | 207.2 | 201 | 192.3 | 181.2 | 165.8 | 147.9 | 125.6 | - | - |
| TVI 80-2001B | 75.0 | 55.0 | | 246 | 241.7 | 236.2 | 230 | 221.9 | 211.5 | 197.8 | 180.6 | 159 | 134.3 | - |
| TVI 80-2001A | 100.0 | 75.0 | | 272 | 267.7 | 262.1 | 255.3 | 247.9 | 238 | 225 | 208.4 | 188 | 164.5 | 136.1 |

Technical data

Close-coupled vertical in-line pumps

TVI 80-2501 2-pole

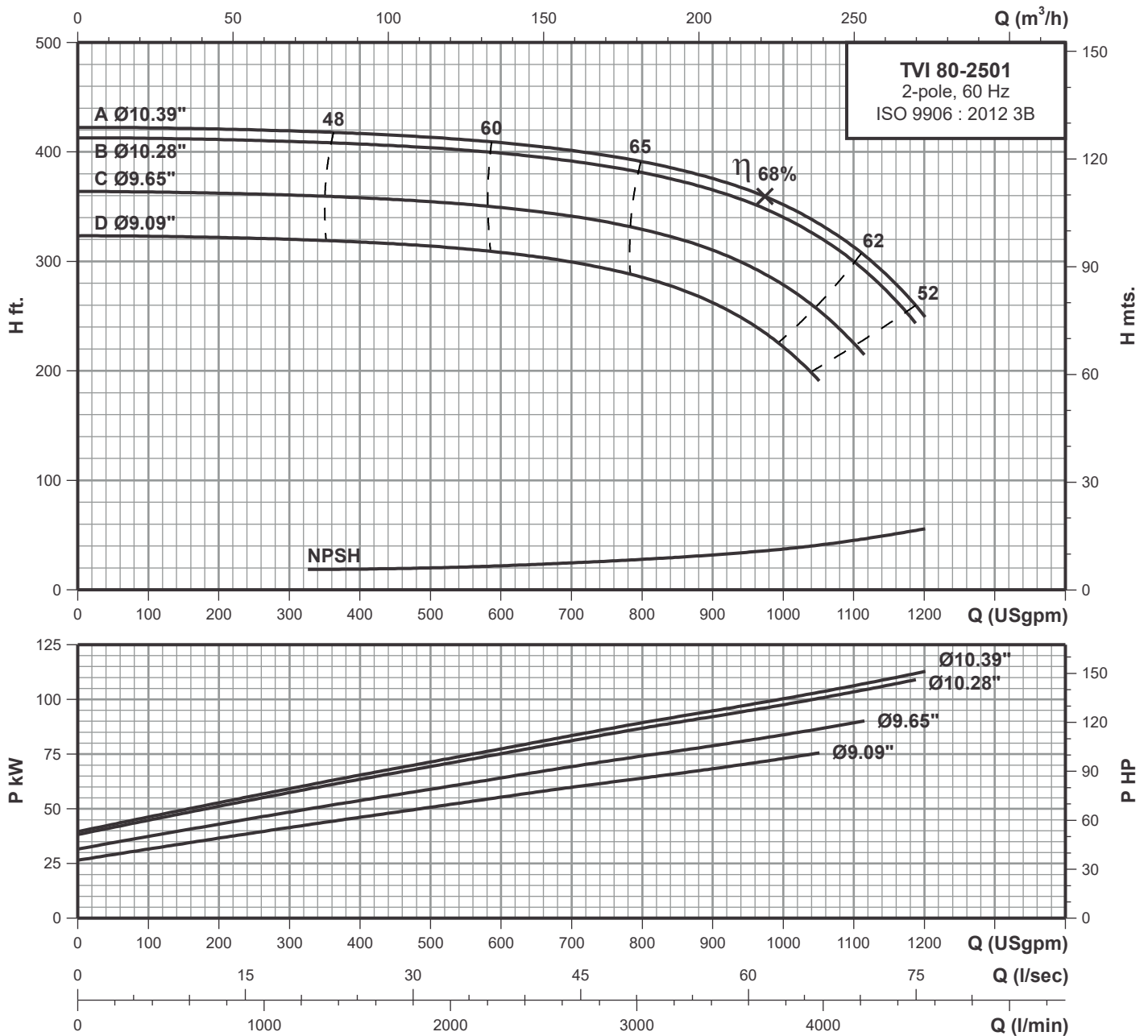


| | | | | | |
|----------------------------|--------------------|--------|--------|--------|--------|
| Power | [hp] | 100 | 125 | 150 | 200 |
| | [kW] | 75 | 90 | 110 | 150 |
| Frame | | 405TSC | 444TSC | 445TSC | 505TSC |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 3 | 3 | 3 | 3 |
| | [mm] | 80 | 80 | 80 | 80 |
| H1 | [inch] | 6.85 | 6.85 | 6.85 | 6.85 |
| | [mm] | 174 | 174 | 174 | 174 |
| H2 | [inch] | 12.28 | 13.5 | 13.5 | 15.63 |
| | [mm] | 312 | 343 | 343 | 397 |
| H3 | [inch] | 50.35 | 54.61 | 54.61 | 62.36 |
| | [mm] | 1279 | 1387 | 1387 | 1584 |
| L1 | [inch] | 23.82 | 23.82 | 23.82 | 23.82 |
| | [mm] | 605 | 605 | 605 | 605 |
| C5 | [inch] | 12.8 | 12.8 | 12.8 | 12.8 |
| | [mm] | 325 | 325 | 325 | 325 |
| G1 | [inch] | 7.01 | 7.01 | 7.01 | 7.01 |
| | [mm] | 178 | 178 | 178 | 178 |
| G2 | [inch] | 8.03 | 8.03 | 8.03 | 8.03 |
| | [mm] | 204 | 204 | 204 | 204 |
| P | [inch] | 15.51 | 17.91 | 17.91 | 17.91 |
| | [mm] | 394 | 455 | 455 | 455 |
| AC | [inch] | 19.17 | 21.34 | 21.34 | 24.02 |
| | [mm] | 487 | 542 | 542 | 610 |
| AD | [inch] | 16.3 | 17.52 | 17.52 | 20.28 |
| | [mm] | 414 | 445 | 445 | 515 |
| Net weight | [lbs] | 1369 | 1570 | 1737 | 2273 |
| | [kg] | 621 | 712 | 788 | 1031 |
| Gross weight | [lbs] | 1612 | 1812 | 1980 | 2553 |
| | [kg] | 731 | 822 | 898 | 1158 |
| Volume | [ft ³] | 41.29 | 41.29 | 41.29 | 50.03 |
| | [m ³] | 1.169 | 1.169 | 1.169 | 1.417 |

Performance curves

TVI 80-2501 2-pole

Close-coupled vertical in-line pumps



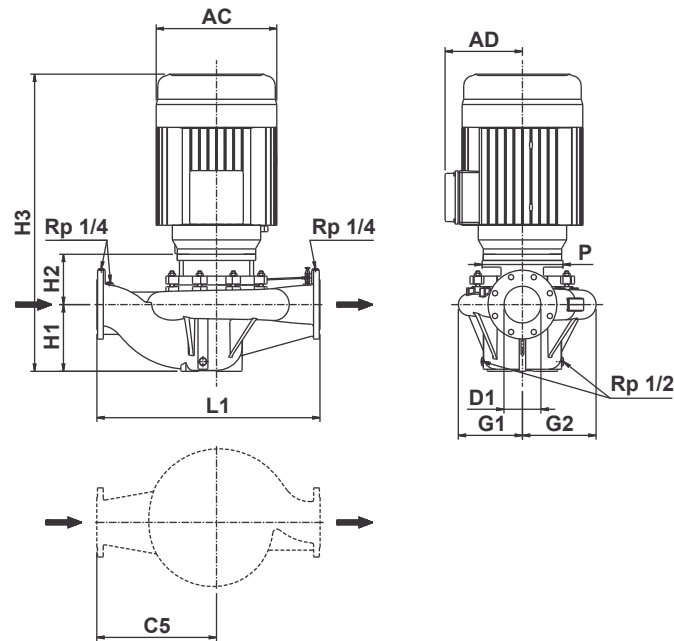
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 757 | 1136 | 1514 | 1893 | 2271 | 2650 | 3028 | 3407 | 3785 | 4164 | 4542 |
|--------------|-------|-------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 |
| TVI 80-2501D | 100.0 | 75.0 | H ft. | 321.6 | 320.3 | 317.9 | 314.2 | 307.9 | 299.5 | 286 | 261.4 | 222.2 | - | - |
| TVI 80-2501C | 125.0 | 90.0 | | 361.9 | 360.6 | 358.2 | 354.6 | 349.7 | 341.1 | 330 | 310.5 | 278.6 | 224.6 | - |
| TVI 80-2501B | 150.0 | 110.0 | | 410.9 | 409.7 | 407.3 | 403.6 | 398.7 | 391.4 | 381.5 | 364.3 | 339.8 | 299.5 | - |
| TVI 80-2501A | 200.0 | 150.0 | | 420.7 | 419.6 | 417 | 413.4 | 408.5 | 401.2 | 391.4 | 376.7 | 352.1 | 312.9 | 250.4 |

Technical data

Close-coupled vertical in-line pumps

TVI 100-2001 2-pole

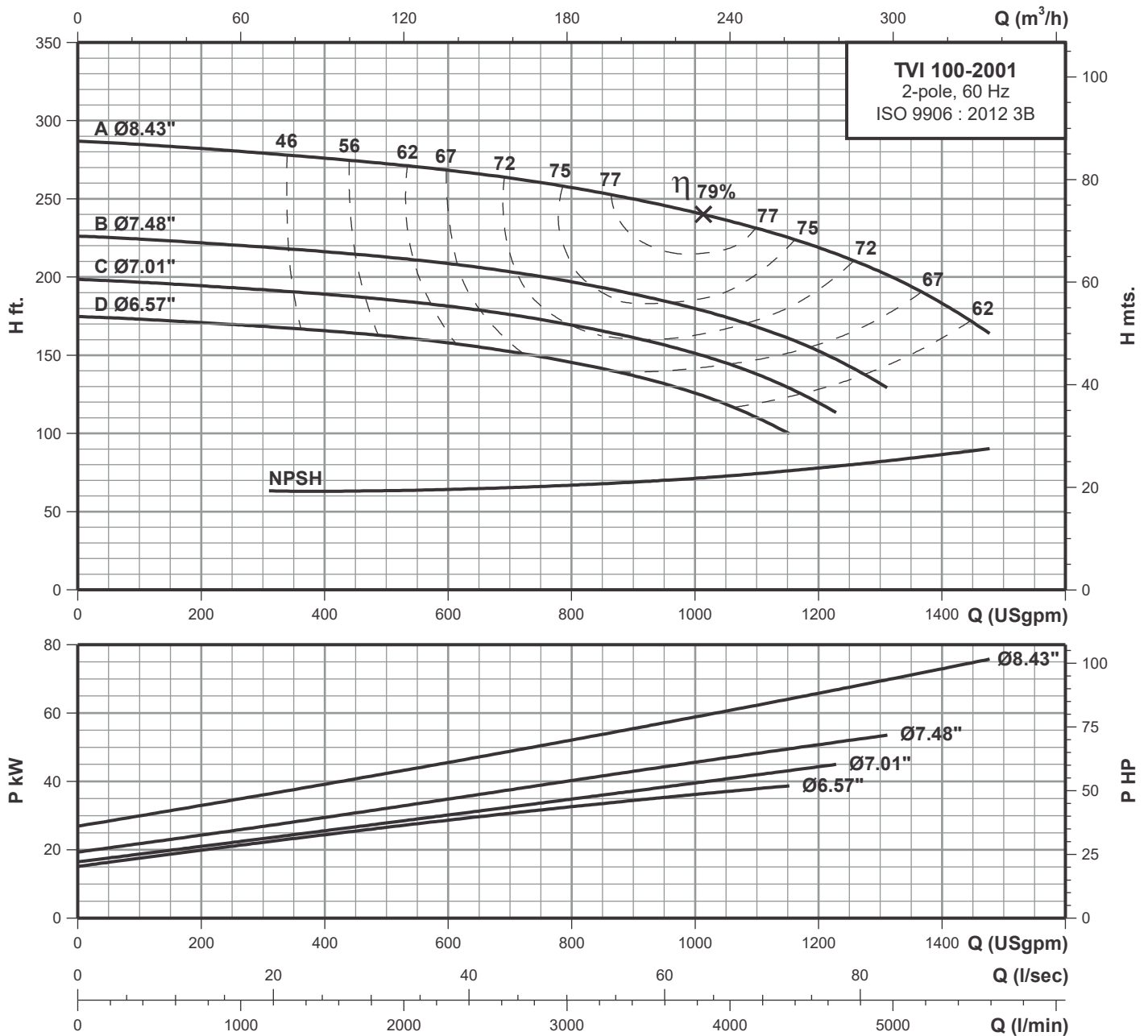


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|--------|
| Power | [hp] | 50 | 60 | 75 | 100 |
| | [kW] | 37 | 45 | 55 | 75 |
| Frame | | 326JM | 364JM | 365JM | 405TSC |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 4 | 4 | 4 | 4 |
| | [mm] | 100 | 100 | 100 | 100 |
| H1 | [inch] | 7.48 | 7.48 | 7.48 | 7.48 |
| | [mm] | 190 | 190 | 190 | 190 |
| H2 | [inch] | 5.12 | 5.12 | 5.12 | 12.28 |
| | [mm] | 130 | 130 | 130 | 312 |
| H3 | [inch] | 39.69 | 40.16 | 41.14 | 50.98 |
| | [mm] | 1008 | 1020 | 1045 | 1295 |
| L1 | [inch] | 24.41 | 24.41 | 24.41 | 24.41 |
| | [mm] | 620 | 620 | 620 | 620 |
| C5 | [inch] | 13.39 | 13.39 | 13.39 | 13.39 |
| | [mm] | 340 | 340 | 340 | 340 |
| G1 | [inch] | 8.03 | 8.03 | 8.03 | 8.03 |
| | [mm] | 204 | 204 | 204 | 204 |
| G2 | [inch] | 8.94 | 8.94 | 8.94 | 8.94 |
| | [mm] | 227 | 227 | 227 | 227 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 15.51 |
| | [mm] | 356 | 356 | 356 | 394 |
| AC | [inch] | 15.43 | 16.5 | 16.5 | 19.17 |
| | [mm] | 392 | 419 | 419 | 487 |
| AD | [inch] | 12.05 | 12.91 | 12.91 | 16.3 |
| | [mm] | 306 | 328 | 328 | 414 |
| Net weight | [lbs] | 780 | 833 | 946 | 1365 |
| | [kg] | 354 | 378 | 429 | 619 |
| Gross weight | [lbs] | 974 | 1027 | 1140 | 1607 |
| | [kg] | 442 | 466 | 517 | 729 |
| Volume | [ft ³] | 28.97 | 28.97 | 28.97 | 41.29 |
| | [m ³] | 0.820 | 0.820 | 0.820 | 1.169 |

Performance curves

TVI 100-2001 2-pole

Close-coupled vertical in-line pumps



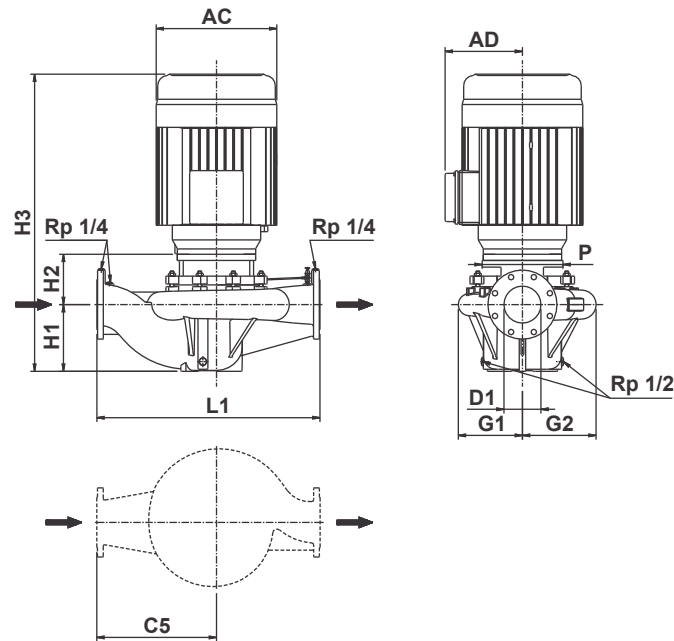
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 757 | 1514 | 2271 | 3028 | 3785 | 4542 | 5300 |
|---------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 200 | 400 | 600 | 800 | 1000 | 1200 | 1400 |
| TVI 100-2001D | 50.0 | 37.0 | H ft. | 171.1 | 165.7 | 157.9 | 145.3 | 125.5 | - | - |
| TVI 100-2001C | 60.0 | 45.0 | | 194.2 | 189 | 181.7 | 169.1 | 150.6 | 119.6 | - |
| TVI 100-2001B | 75.0 | 55.0 | | 221.9 | 216 | 208.8 | 197.5 | 179.7 | 153.3 | - |
| TVI 100-2001A | 100.0 | 75.0 | | 274.1 | 268.2 | 260.3 | 249.7 | 233.2 | 210 | 173.8 |

Technical data

Close-coupled vertical in-line pumps

TVI 100-2501 2-pole

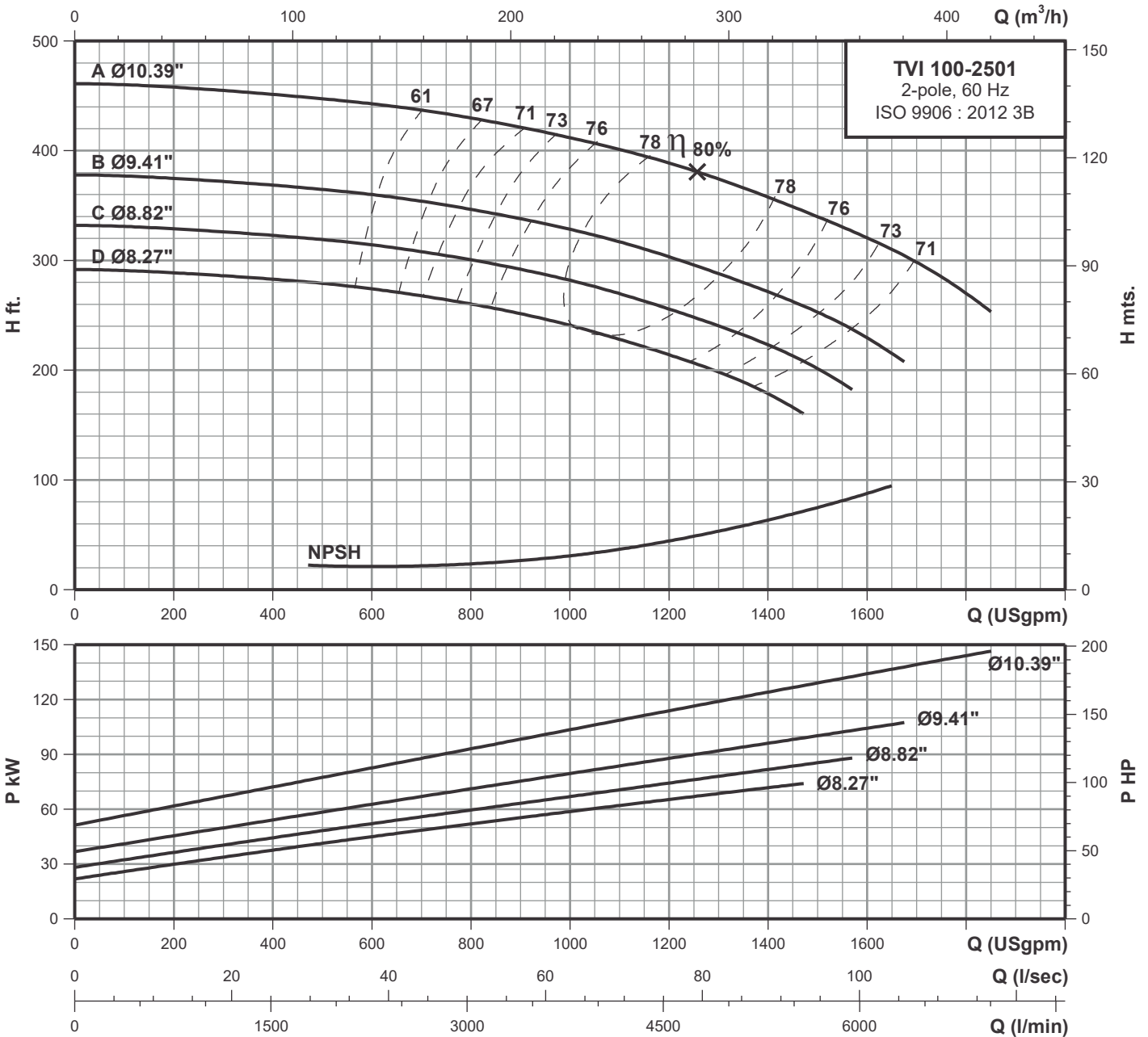


| | | | | | |
|----------------------------|--------------------|--------|--------|--------|--------|
| Power | [hp] | 100 | 125 | 150 | 200 |
| | [kW] | 75 | 90 | 110 | 150 |
| Frame | | 405TSC | 444TSC | 445TSC | 505TSC |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 4 | 4 | 4 | 4 |
| | [mm] | 100 | 100 | 100 | 100 |
| H1 | [inch] | 8.07 | 8.07 | 8.07 | 8.07 |
| | [mm] | 205 | 205 | 205 | 205 |
| H2 | [inch] | 12.28 | 13.5 | 13.5 | 15.63 |
| | [mm] | 312 | 343 | 343 | 397 |
| H3 | [inch] | 51.57 | 55.83 | 55.83 | 63.58 |
| | [mm] | 1310 | 1418 | 1418 | 1615 |
| L1 | [inch] | 26.02 | 26.02 | 26.02 | 26.02 |
| | [mm] | 661 | 661 | 661 | 661 |
| C5 | [inch] | 15 | 15 | 15 | 15 |
| | [mm] | 381 | 381 | 381 | 381 |
| G1 | [inch] | 7.28 | 7.28 | 7.28 | 7.28 |
| | [mm] | 185 | 185 | 185 | 185 |
| G2 | [inch] | 8.43 | 8.43 | 8.43 | 8.43 |
| | [mm] | 214 | 214 | 214 | 214 |
| P | [inch] | 15.51 | 17.91 | 17.91 | 17.91 |
| | [mm] | 394 | 455 | 455 | 455 |
| AC | [inch] | 19.17 | 21.34 | 21.34 | 24.02 |
| | [mm] | 487 | 542 | 542 | 610 |
| AD | [inch] | 16.3 | 17.52 | 17.52 | 20.28 |
| | [mm] | 414 | 445 | 445 | 515 |
| Net weight | [lbs] | 1400 | 1601 | 1768 | 2304 |
| | [kg] | 635 | 726 | 802 | 1045 |
| Gross weight | [lbs] | 1642 | 1896 | 2064 | 2584 |
| | [kg] | 745 | 860 | 936 | 1172 |
| Volume | [ft ³] | 41.29 | 55.25 | 55.25 | 50.03 |
| | [m ³] | 1.169 | 1.564 | 1.564 | 1.417 |

Performance curves

TVI 100-2501 2-pole

Close-coupled vertical in-line pumps



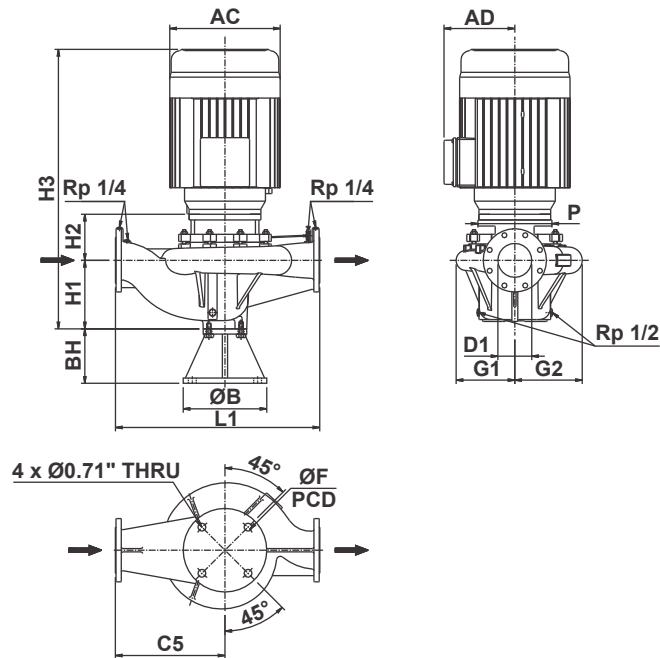
Performance data at n=3450 rpm

| Model | Power | | l/min USgpm | 757 | 1514 | 2271 | 3028 | 3785 | 4542 | 5300 | 6057 | 6814 |
|---------------|-------|-------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 200 | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 |
| TVI 100-2501D | 100.0 | 75.0 | H ft. | 289 | 283.6 | 273.7 | 260.6 | 241 | 214.6 | 178.5 | - | - |
| TVI 100-2501C | 125.0 | 90.0 | | 328.4 | 323 | 314.2 | 301 | 282 | 256.2 | 223.4 | - | - |
| TVI 100-2501B | 150.0 | 110.0 | | 374.2 | 368.8 | 360.1 | 347 | 328.4 | 303.3 | 271.5 | 230 | - |
| TVI 100-2501A | 200.0 | 150.0 | | 457.4 | 450.8 | 443.2 | 430.1 | 412.6 | 389.6 | 357.9 | 320.6 | 270.4 |

Technical data

Close-coupled vertical in-line pumps

TVI 40-1603 4-pole



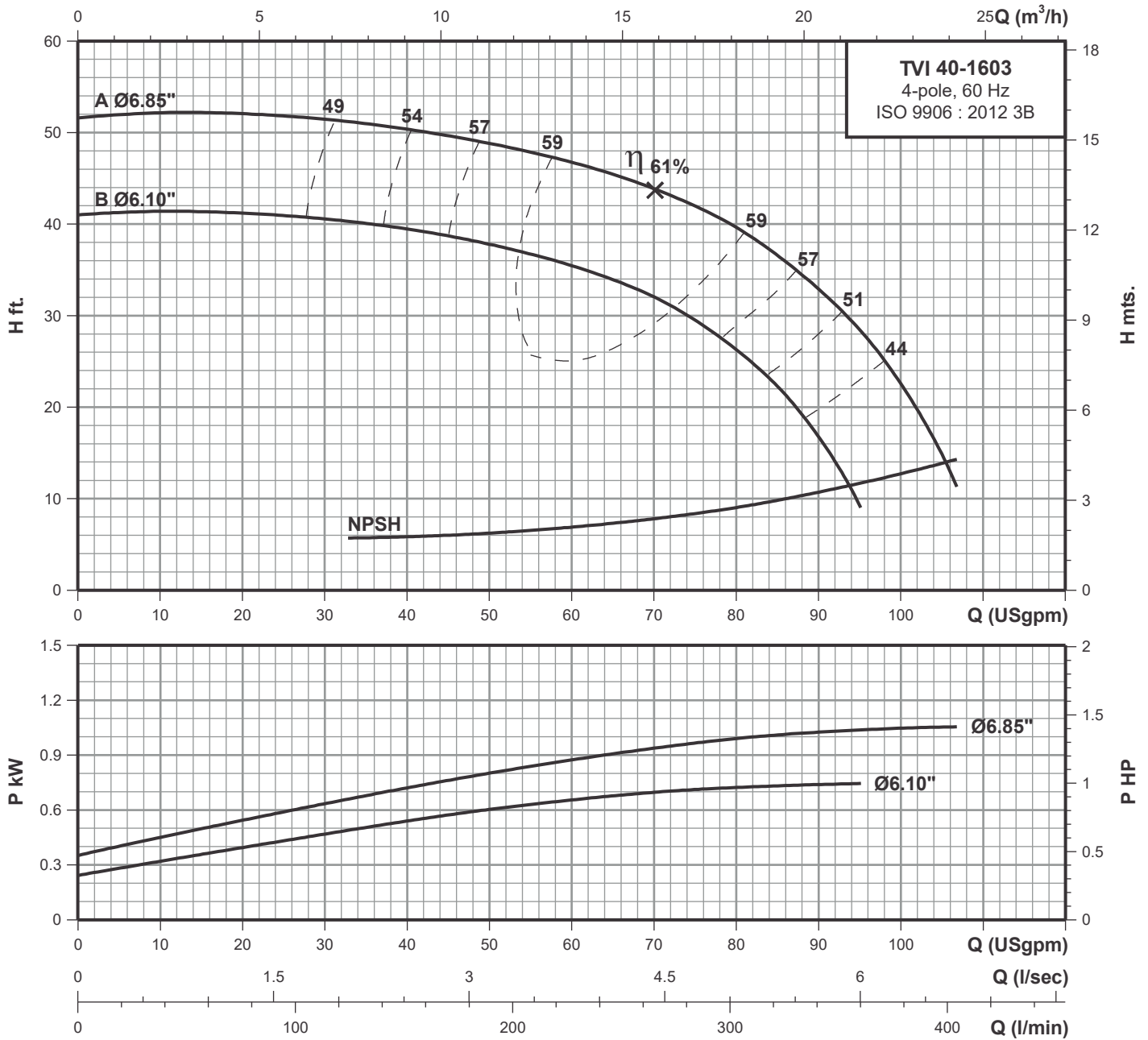
| | | | |
|----------------------------|--------------------|-------|-------|
| Power | [hp] | 1 | 1.5 |
| | [kW] | 0.75 | 1.1 |
| Frame | | 143JM | 145JM |
| PN | [bar] | 16 | 16 |
| Code for Impeller diameter | | B | A |
| D1 | [inch] | 1.5 | 1.5 |
| | [mm] | 40 | 40 |
| H1 | [inch] | 4.72 | 4.72 |
| | [mm] | 120 | 120 |
| H2 | [inch] | 3.82 | 3.82 |
| | [mm] | 97 | 97 |
| H3 | [inch] | 18.9 | 19.88 |
| | [mm] | 480 | 505 |
| BH | [inch] | 4.92 | 4.92 |
| | [mm] | 125 | 125 |
| B | [inch] | 7.56 | 7.56 |
| | [mm] | 192 | 192 |
| F | [inch] | 5.91 | 5.91 |
| | [mm] | 150 | 150 |
| L1 | [inch] | 13.98 | 13.98 |
| | [mm] | 355 | 355 |
| C5 | [inch] | 7.68 | 7.68 |
| | [mm] | 195 | 195 |
| G1 | [inch] | 4.29 | 4.29 |
| | [mm] | 109 | 109 |
| G2 | [inch] | 4.72 | 4.72 |
| | [mm] | 120 | 120 |
| P | [inch] | 6.5 | 6.5 |
| | [mm] | 165 | 165 |
| AC | [inch] | 6.93 | 6.93 |
| | [mm] | 176 | 176 |
| AD | [inch] | 4.92 | 4.92 |
| | [mm] | 125 | 125 |
| Net weight | [lbs] | 119 | 121 |
| | [kg] | 54 | 55 |
| Gross weight | [lbs] | 205 | 207 |
| | [kg] | 93 | 94 |
| Volume | [ft ³] | 8.66 | 8.66 |
| | [m ³] | 0.245 | 0.245 |

Performance curves

TVI 40-1603

Close-coupled vertical in-line pumps

4-pole



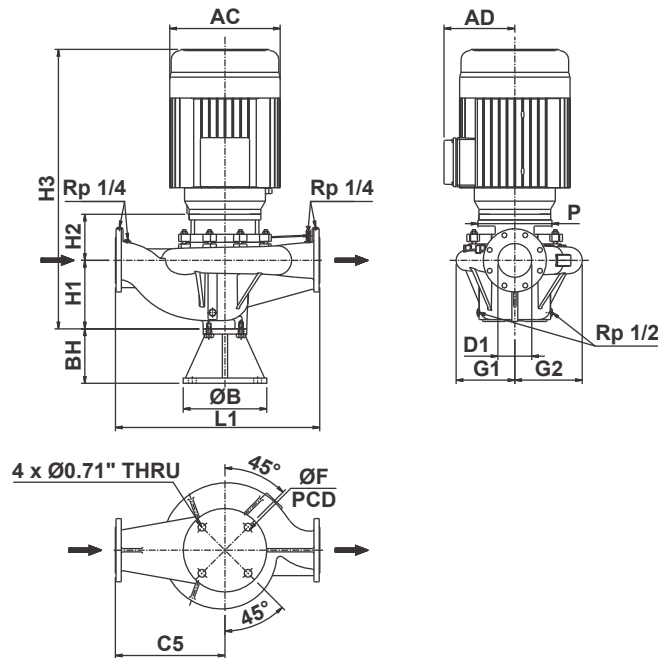
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 76 | 114 | 151 | 189 | 227 | 265 | 303 | 341 | 379 |
|--------------|-------|------|----------------|------|------|------|------|------|------|------|------|------|
| | HP | kW | | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| TVI 40-1603B | 1.00 | 0.75 | H ft. | 41.2 | 40.5 | 39.5 | 37.8 | 35.4 | 32.1 | 26.3 | 16.6 | - |
| TVI 40-1603A | 1.50 | 1.10 | | 52 | 51.5 | 50.5 | 48.9 | 46.7 | 43.9 | 39.7 | 32.8 | 22.6 |

Technical data

Close-coupled vertical in-line pumps

TVI 40-2003 4-pole

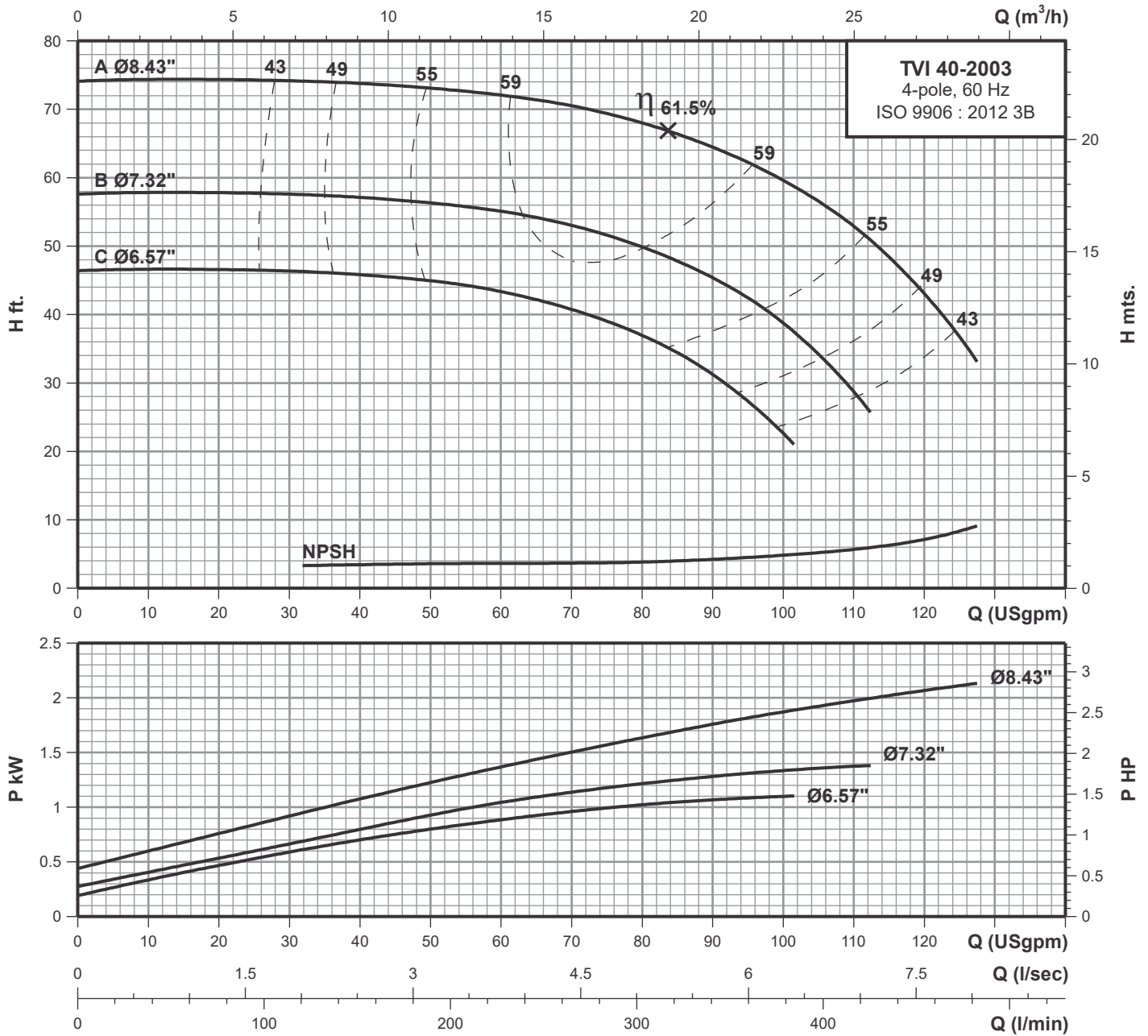


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 1.5 | 2 | 3 |
| | [kW] | 1.1 | 1.5 | 2.2 |
| Frame | | 145JM | 145JM | 182JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 1.5 | 1.5 | 1.5 |
| | [mm] | 40 | 40 | 40 |
| H1 | [inch] | 4.72 | 4.72 | 4.72 |
| | [mm] | 120 | 120 | 120 |
| H2 | [inch] | 3.74 | 3.74 | 3.94 |
| | [mm] | 95 | 95 | 100 |
| H3 | [inch] | 19.8 | 19.8 | 21.97 |
| | [mm] | 503 | 503 | 558 |
| BH | [inch] | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 |
| B | [inch] | 7.56 | 7.56 | 7.56 |
| | [mm] | 192 | 192 | 192 |
| F | [inch] | 5.91 | 5.91 | 5.91 |
| | [mm] | 150 | 150 | 150 |
| L1 | [inch] | 15.75 | 15.75 | 15.75 |
| | [mm] | 400 | 400 | 400 |
| C5 | [inch] | 8.46 | 8.46 | 8.46 |
| | [mm] | 215 | 215 | 215 |
| G1 | [inch] | 5.12 | 5.12 | 5.12 |
| | [mm] | 130 | 130 | 130 |
| G2 | [inch] | 5.55 | 5.55 | 5.55 |
| | [mm] | 141 | 141 | 141 |
| P | [inch] | 6.5 | 6.5 | 6.5 |
| | [mm] | 165 | 165 | 165 |
| AC | [inch] | 6.93 | 6.93 | 8.58 |
| | [mm] | 176 | 176 | 218 |
| AD | [inch] | 4.92 | 4.92 | 6.46 |
| | [mm] | 125 | 125 | 164 |
| Net weight | [lbs] | 131 | 136 | 166 |
| | [kg] | 59.5 | 61.5 | 75.5 |
| Gross weight | [lbs] | 217 | 222 | 252 |
| | [kg] | 98.5 | 100.5 | 114.5 |
| Volume | [ft ³] | 8.66 | 8.66 | 8.66 |
| | [m ³] | 0.245 | 0.245 | 0.245 |

Performance curves

TVI 40-2003
4-pole
4-pole

Close-coupled vertical in-line pumps



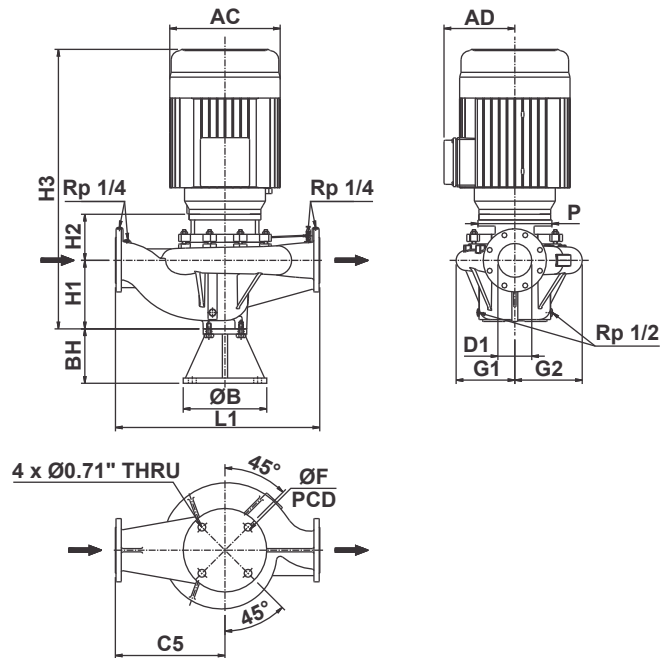
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 76 | 114 | 151 | 189 | 227 | 265 | 303 | 341 | 379 | 416 | 454 |
|--------------|-------|------|----------------|------|------|------|------|------|------|-----|------|------|-----|-----|
| | HP | kW | | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| TVI 40-2003C | 1.50 | 1.10 | H ft. | 46.5 | 46.3 | 46 | 45 | 43.4 | 40.8 | 37 | 31.2 | 22.3 | - | - |
| TVI 40-2003B | 2.00 | 1.50 | | 58 | 57.8 | 57.3 | 56.2 | 55.1 | 53 | 50 | 45.2 | 38.7 | 29 | - |
| TVI 40-2003A | 3.00 | 2.20 | | 74.2 | 74.1 | 74 | 73.1 | 72 | 71.5 | 68 | 64.4 | 59.8 | 53 | 43 |

Technical data

Close-coupled vertical in-line pumps

TVI 40-2503 4-pole

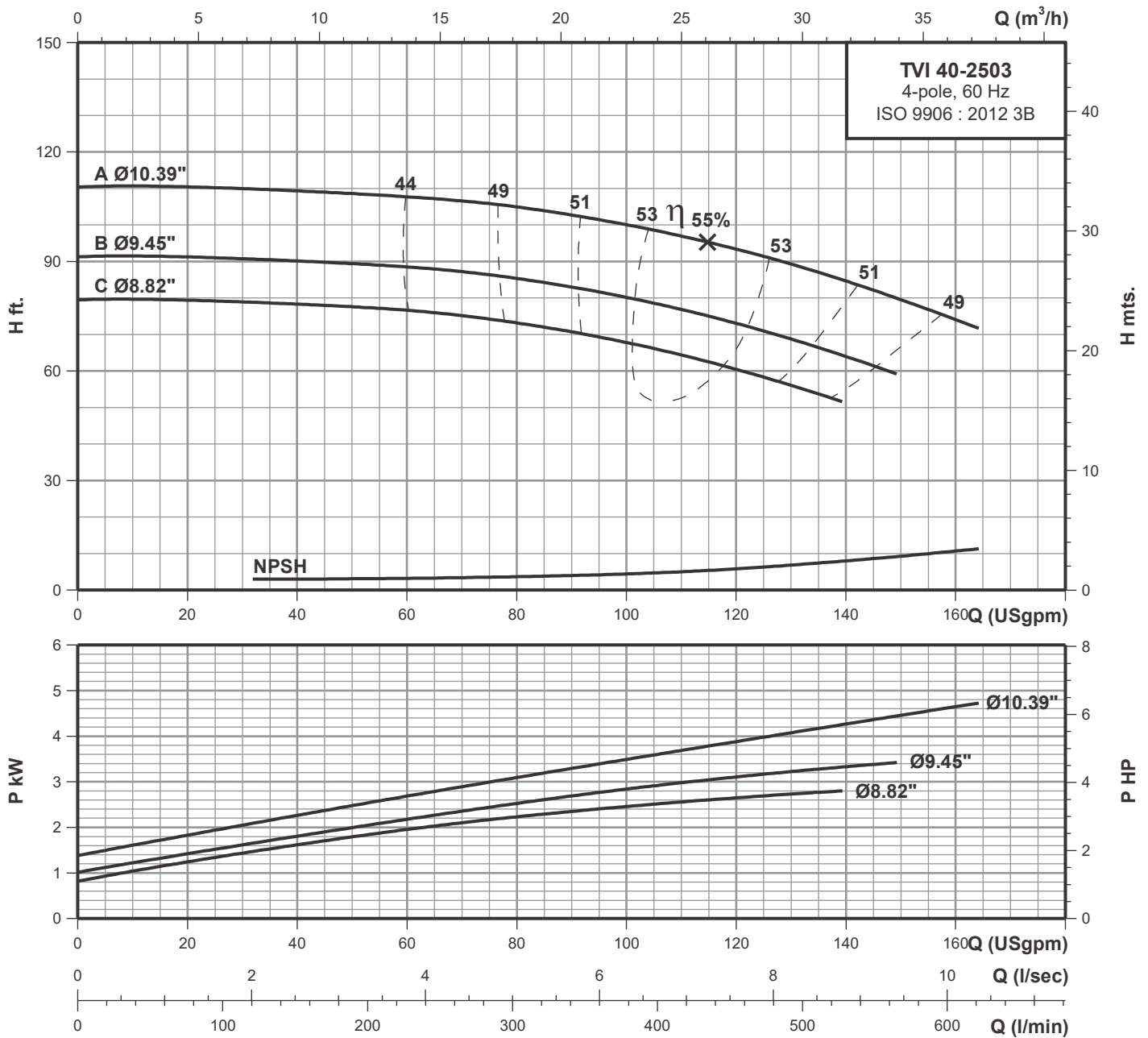


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 4 | 5 | 7.5 |
| | [kW] | 3 | 3.7 | 5.5 |
| Frame | | 184JM | 184JM | 213JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 1.5 | 1.5 | 1.5 |
| | [mm] | 40 | 40 | 40 |
| H1 | [inch] | 5.12 | 5.12 | 5.12 |
| | [mm] | 130 | 130 | 130 |
| H2 | [inch] | 4.09 | 4.09 | 4.33 |
| | [mm] | 104 | 104 | 110 |
| H3 | [inch] | 22.52 | 22.52 | 24.37 |
| | [mm] | 572 | 572 | 619 |
| BH | [inch] | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 |
| B | [inch] | 7.56 | 7.56 | 7.56 |
| | [mm] | 192 | 192 | 192 |
| F | [inch] | 5.91 | 5.91 | 5.91 |
| | [mm] | 150 | 150 | 150 |
| L1 | [inch] | 18.11 | 18.11 | 18.11 |
| | [mm] | 460 | 460 | 460 |
| C5 | [inch] | 9.84 | 9.84 | 9.84 |
| | [mm] | 250 | 250 | 250 |
| G1 | [inch] | 6.3 | 6.3 | 6.3 |
| | [mm] | 160 | 160 | 160 |
| G2 | [inch] | 6.57 | 6.57 | 6.57 |
| | [mm] | 167 | 167 | 167 |
| P | [inch] | 6.5 | 6.5 | 8.86 |
| | [mm] | 165 | 165 | 225 |
| AC | [inch] | 8.58 | 8.58 | 10.24 |
| | [mm] | 218 | 218 | 260 |
| AD | [inch] | 6.46 | 6.46 | 7.4 |
| | [mm] | 164 | 164 | 188 |
| Net weight | [lbs] | 198 | 203 | 267 |
| | [kg] | 90 | 92 | 121 |
| Gross weight | [lbs] | 302 | 306 | 381 |
| | [kg] | 137 | 139 | 173 |
| Volume | [ft ³] | 11.25 | 11.25 | 13.08 |
| | [m ³] | 0.319 | 0.319 | 0.370 |

Performance curves

TVI 40-2503 4-pole

Close-coupled vertical in-line pumps



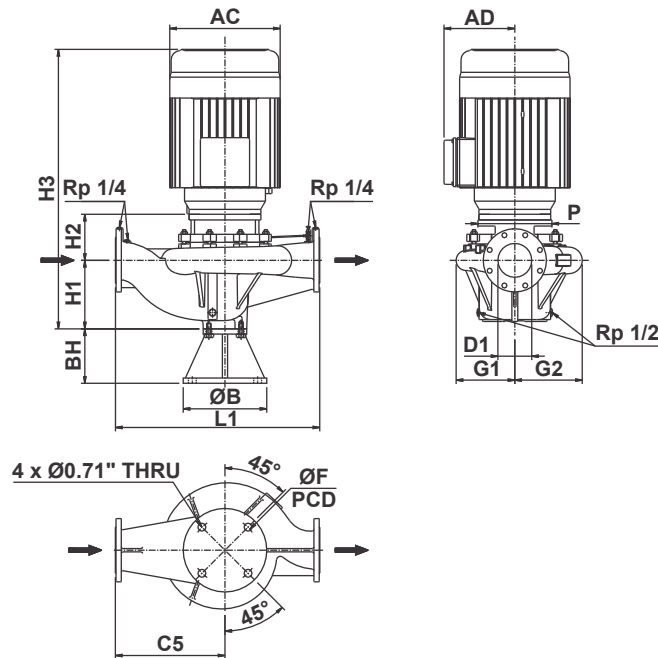
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 227 | 265 | 303 | 341 | 379 | 416 | 454 | 492 | 530 | 568 | 606 |
|--------------|-------|------|----------------|-------|-------|------|-------|-------|------|------|------|------|------|------|
| | HP | kW | | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 |
| TVI 40-2503C | 4.00 | 3.00 | H ft. | 76.7 | 75.2 | 73.1 | 70.7 | 67.9 | 64.7 | 60.5 | 56.1 | - | - | - |
| TVI 40-2503B | 5.00 | 3.70 | | 88.5 | 87.2 | 85.4 | 83 | 80.4 | 77 | 73.1 | 68.9 | 63.9 | - | - |
| TVI 40-2503A | 7.50 | 5.50 | | 107.6 | 106.6 | 105 | 102.7 | 100.3 | 97.2 | 93.5 | 89.3 | 84.6 | 79.7 | 74.1 |

Technical data

Close-coupled vertical in-line pumps

TVI 50-1603 4-pole

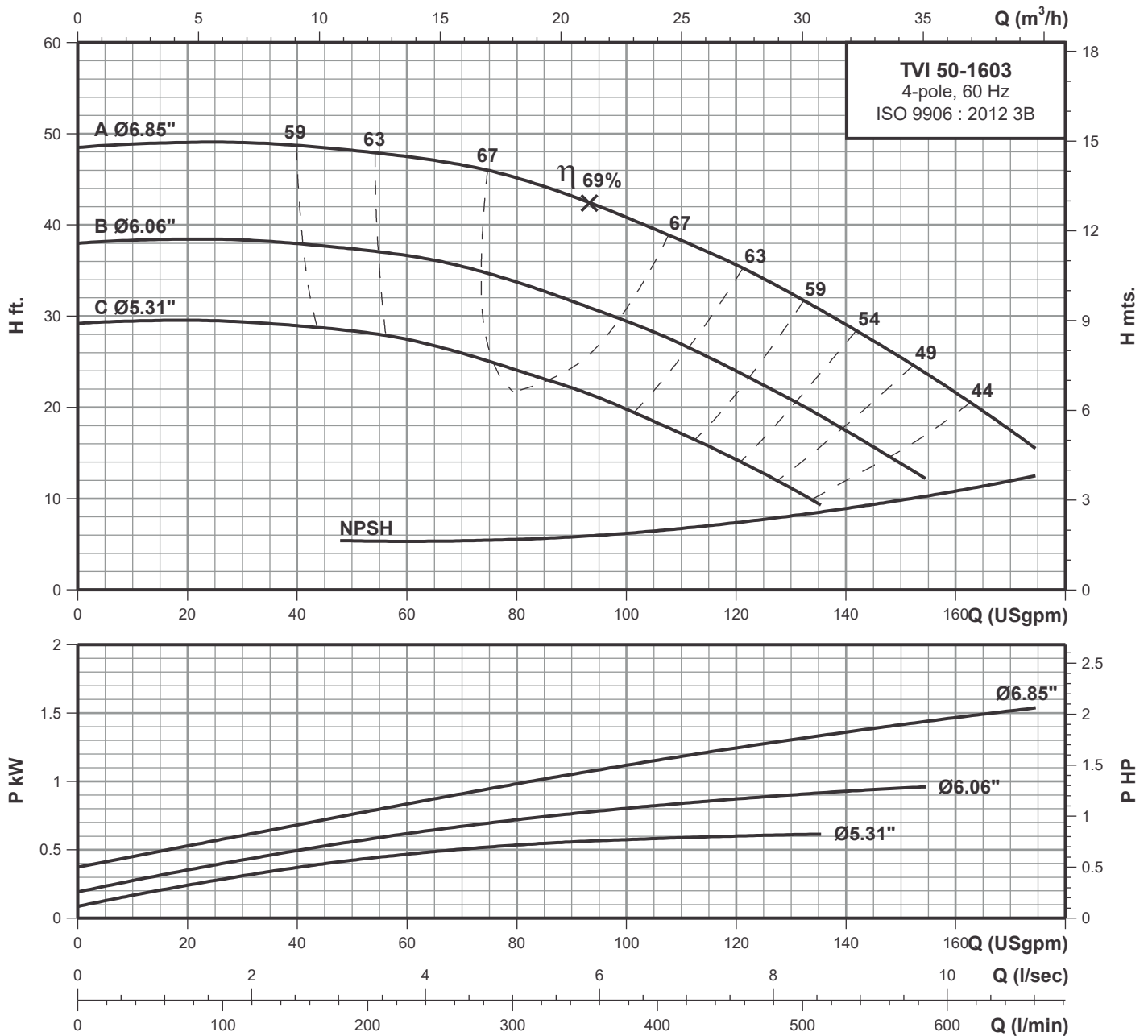


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 1 | 1.5 | 2 |
| | [kW] | 0.75 | 1.1 | 1.5 |
| Frame | | 143JM | 145JM | 145JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 2 | 2 | 2 |
| | [mm] | 50 | 50 | 50 |
| H1 | [inch] | 5.12 | 5.12 | 5.12 |
| | [mm] | 130 | 130 | 130 |
| H2 | [inch] | 3.7 | 3.7 | 3.7 |
| | [mm] | 94 | 94 | 94 |
| H3 | [inch] | 19.17 | 20.16 | 20.16 |
| | [mm] | 487 | 512 | 512 |
| BH | [inch] | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 |
| B | [inch] | 9.84 | 9.84 | 9.84 |
| | [mm] | 250 | 250 | 250 |
| F | [inch] | 8.19 | 8.19 | 8.19 |
| | [mm] | 208 | 208 | 208 |
| L1 | [inch] | 15.16 | 15.16 | 15.16 |
| | [mm] | 385 | 385 | 385 |
| C5 | [inch] | 8.46 | 8.46 | 8.46 |
| | [mm] | 215 | 215 | 215 |
| G1 | [inch] | 4.49 | 4.49 | 4.49 |
| | [mm] | 114 | 114 | 114 |
| G2 | [inch] | 5.2 | 5.2 | 5.2 |
| | [mm] | 132 | 132 | 132 |
| P | [inch] | 6.5 | 6.5 | 6.5 |
| | [mm] | 165 | 165 | 165 |
| AC | [inch] | 6.93 | 6.93 | 6.93 |
| | [mm] | 176 | 176 | 176 |
| AD | [inch] | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 |
| Net weight | [lbs] | 133 | 138 | 142 |
| | [kg] | 60.5 | 62.5 | 64.5 |
| Gross weight | [lbs] | 219 | 224 | 228 |
| | [kg] | 99.5 | 101.5 | 103.5 |
| Volume | [ft ³] | 8.66 | 8.66 | 8.66 |
| | [m ³] | 0.245 | 0.245 | 0.245 |

Performance curves

TVI 50-1603 4-pole

Close-coupled vertical in-line pumps



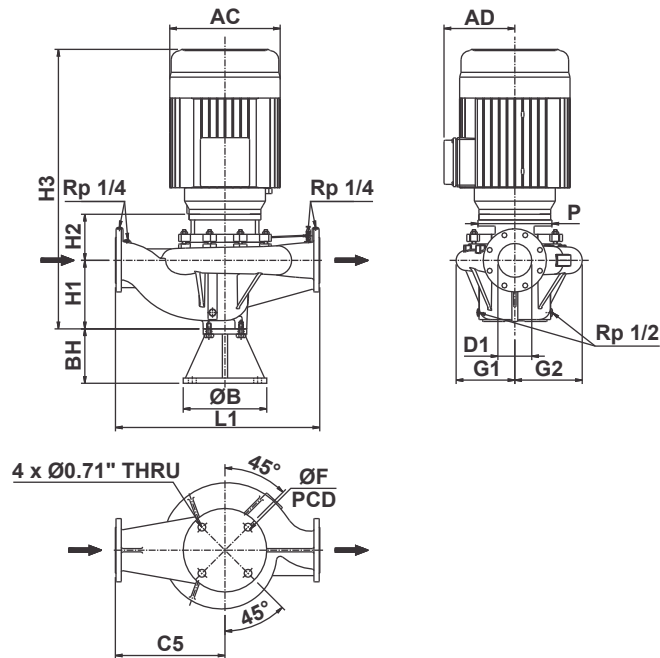
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 151 | 227 | 303 | 341 | 379 | 416 | 454 | 492 | 530 | 568 | 606 |
|--------------|-------|------|----------------|------|------|------|------|------|------|------|------|------|------|------|
| | HP | kW | | 40 | 60 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 |
| TVI 50-1603C | 1.00 | 0.75 | H ft. | 29 | 27.5 | 24 | 22 | 19.8 | 17.1 | 14.2 | 11 | - | - | - |
| TVI 50-1603B | 1.50 | 1.10 | | 38 | 36.8 | 33.9 | 31.8 | 29.5 | 27 | 24 | 20.8 | 17.5 | 14 | - |
| TVI 50-1603A | 2.00 | 1.50 | | 48.7 | 47.5 | 45.3 | 43.2 | 40.8 | 38.2 | 35.8 | 32.7 | 29.1 | 25.6 | 21.8 |

Technical data

Close-coupled vertical in-line pumps

TVI 50-2003 4-pole

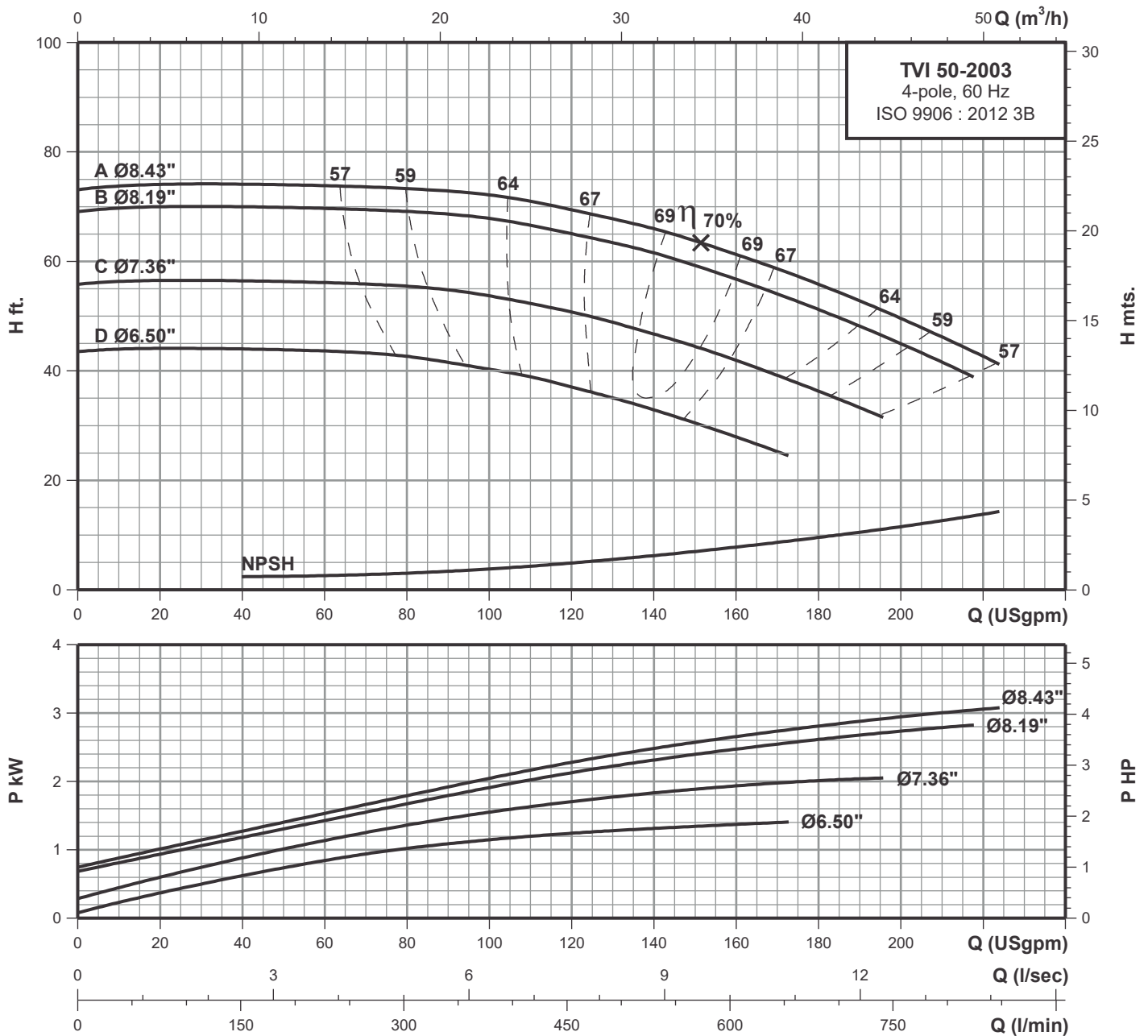


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 2 | 3 | 4 | 5 |
| | [kW] | 1.5 | 2.2 | 3 | 3.7 |
| Frame | | 145JM | 182JM | 184JM | 184JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 2 | 2 | 2 | 2 |
| | [mm] | 50 | 50 | 50 | 50 |
| H1 | [inch] | 5.28 | 5.28 | 5.28 | 5.28 |
| | [mm] | 134 | 134 | 134 | 134 |
| H2 | [inch] | 3.82 | 3.82 | 3.82 | 3.82 |
| | [mm] | 97 | 97 | 97 | 97 |
| H3 | [inch] | 20.43 | 22.4 | 22.4 | 22.4 |
| | [mm] | 519 | 569 | 569 | 569 |
| BH | [inch] | 4.92 | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 | 125 |
| B | [inch] | 9.84 | 9.84 | 9.84 | 9.84 |
| | [mm] | 250 | 250 | 250 | 250 |
| F | [inch] | 8.19 | 8.19 | 8.19 | 8.19 |
| | [mm] | 208 | 208 | 208 | 208 |
| L1 | [inch] | 17.32 | 17.32 | 17.32 | 17.32 |
| | [mm] | 440 | 440 | 440 | 440 |
| C5 | [inch] | 9.45 | 9.45 | 9.45 | 9.45 |
| | [mm] | 240 | 240 | 240 | 240 |
| G1 | [inch] | 5.31 | 5.31 | 5.31 | 5.31 |
| | [mm] | 135 | 135 | 135 | 135 |
| G2 | [inch] | 5.87 | 5.87 | 5.87 | 5.87 |
| | [mm] | 149 | 149 | 149 | 149 |
| P | [inch] | 6.5 | 6.5 | 6.5 | 6.5 |
| | [mm] | 165 | 165 | 165 | 165 |
| AC | [inch] | 6.93 | 8.58 | 8.58 | 8.58 |
| | [mm] | 176 | 218 | 218 | 218 |
| AD | [inch] | 4.92 | 6.46 | 6.46 | 6.46 |
| | [mm] | 125 | 164 | 164 | 164 |
| Net weight | [lbs] | 157 | 185 | 190 | 194 |
| | [kg] | 71 | 84 | 86 | 88 |
| Gross weight | [lbs] | 260 | 289 | 293 | 298 |
| | [kg] | 118 | 131 | 133 | 135 |
| Volume | [ft ³] | 11.25 | 11.25 | 11.25 | 11.25 |
| | [m ³] | 0.319 | 0.319 | 0.319 | 0.319 |

Performance curves

TVI 50-2003 4-pole

Close-coupled vertical in-line pumps



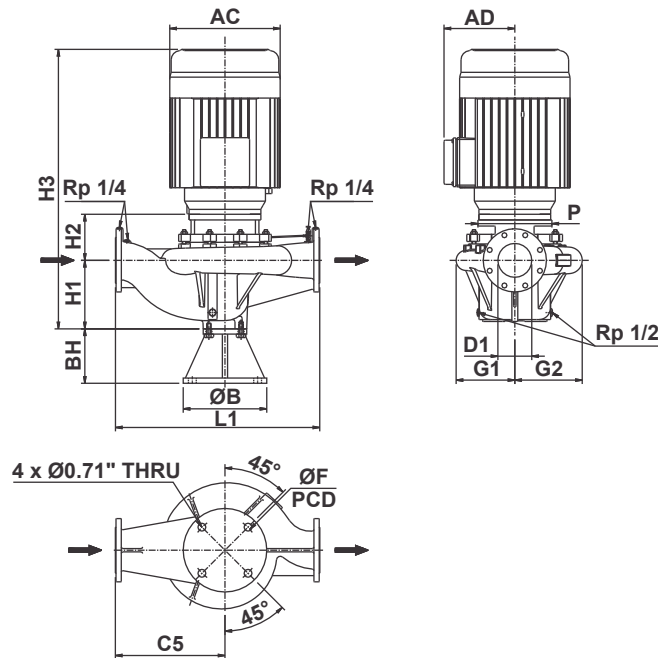
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 151 | 227 | 303 | 379 | 454 | 530 | 606 | 681 | 757 | 833 |
|--------------|-------|------|----------------|------|------|------|------|------|------|------|------|------|------|
| | HP | kW | | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 |
| TVI 50-2003D | 2.00 | 1.50 | H ft. | 43.9 | 43.6 | 42.6 | 40.2 | 37.1 | 32.9 | 28 | - | - | - |
| TVI 50-2003C | 3.00 | 2.20 | | 56.5 | 56.1 | 55.4 | 53.8 | 50.9 | 46.6 | 41.9 | 36.2 | - | - |
| TVI 50-2003B | 4.00 | 3.00 | | 70 | 69.6 | 69.1 | 67.8 | 65.1 | 61.4 | 56.9 | 51.2 | 45 | - |
| TVI 50-2003A | 5.00 | 3.70 | | 74 | 73.8 | 73.3 | 72 | 69.5 | 66 | 61.2 | 55.8 | 49.6 | 42.6 |

Technical data

Close-coupled vertical in-line pumps

TVI 50-2503 4-pole

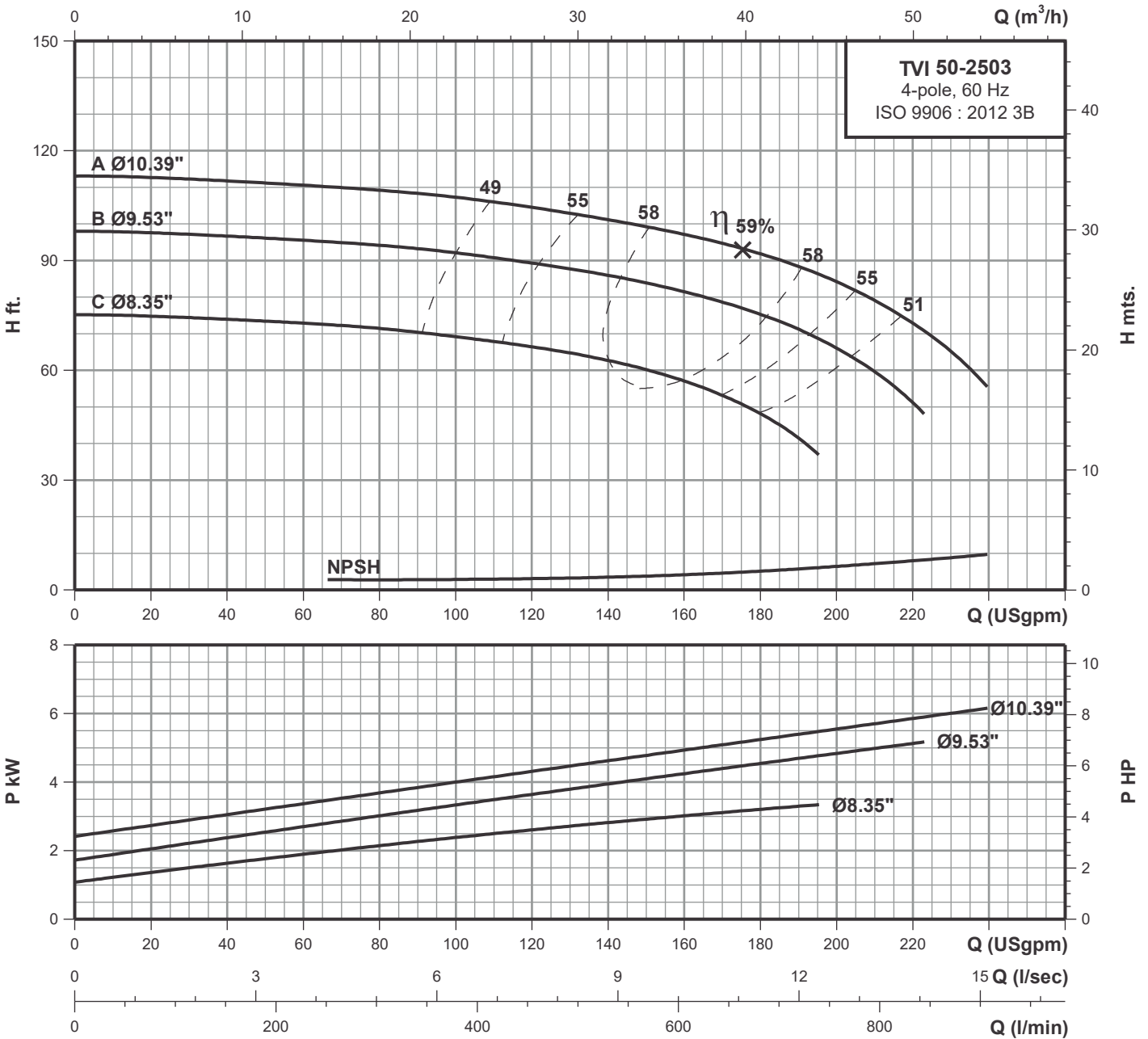


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 5 | 7.5 | 10 |
| | [kW] | 3.7 | 5.5 | 7.5 |
| Frame | | 184JM | 213JM | 215JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 2 | 2 | 2 |
| | [mm] | 50 | 50 | 50 |
| H1 | [inch] | 5.83 | 5.83 | 5.83 |
| | [mm] | 148 | 148 | 148 |
| H2 | [inch] | 4.06 | 4.33 | 4.33 |
| | [mm] | 103 | 110 | 110 |
| H3 | [inch] | 23.19 | 25.08 | 26.57 |
| | [mm] | 589 | 637 | 675 |
| BH | [inch] | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 |
| B | [inch] | 9.84 | 9.84 | 9.84 |
| | [mm] | 250 | 250 | 250 |
| F | [inch] | 8.19 | 8.19 | 8.19 |
| | [mm] | 208 | 208 | 208 |
| L1 | [inch] | 19.29 | 19.29 | 19.29 |
| | [mm] | 490 | 490 | 490 |
| C5 | [inch] | 10.43 | 10.43 | 10.43 |
| | [mm] | 265 | 265 | 265 |
| G1 | [inch] | 6.26 | 6.26 | 6.26 |
| | [mm] | 159 | 159 | 159 |
| G2 | [inch] | 6.81 | 6.81 | 6.81 |
| | [mm] | 173 | 173 | 173 |
| P | [inch] | 6.5 | 8.86 | 8.86 |
| | [mm] | 165 | 225 | 225 |
| AC | [inch] | 8.58 | 10.24 | 10.24 |
| | [mm] | 218 | 260 | 260 |
| AD | [inch] | 6.46 | 7.4 | 7.4 |
| | [mm] | 164 | 188 | 188 |
| Net weight | [lbs] | 225 | 289 | 313 |
| | [kg] | 102 | 131 | 142 |
| Gross weight | [lbs] | 328 | 403 | 428 |
| | [kg] | 149 | 183 | 194 |
| Volume | [ft ³] | 11.25 | 13.08 | 13.08 |
| | [m ³] | 0.319 | 0.370 | 0.370 |

Performance curves

TVI 50-2503 4-pole

Close-coupled vertical in-line pumps



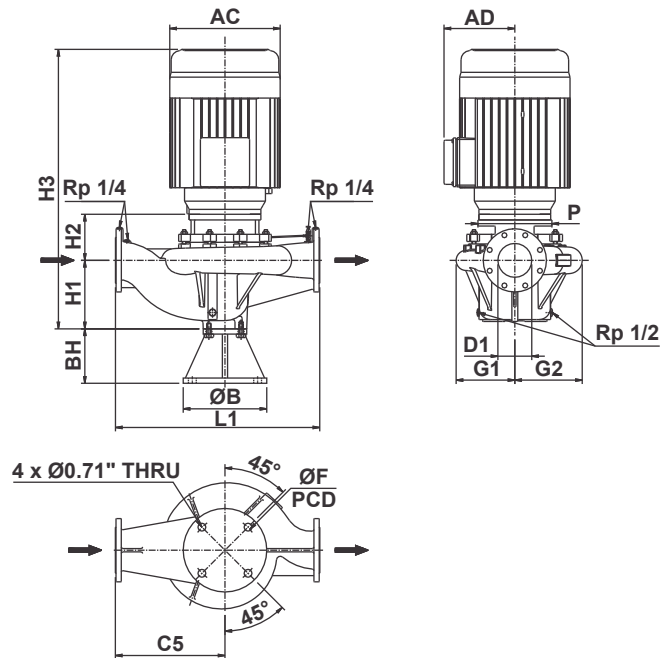
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 151 | 227 | 303 | 379 | 454 | 530 | 606 | 681 | 757 | 833 | 908 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| | HP | kW | | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 |
| TVI 50-2503C | 5.00 | 3.70 | H ft. | 73.9 | 72.8 | 71.5 | 69.3 | 66.4 | 62.9 | 57 | 48.1 | - | - | - |
| TVI 50-2503B | 7.50 | 5.50 | | 96.7 | 95.4 | 94.3 | 92.2 | 89.2 | 86 | 81.7 | 75.5 | 66.1 | 51 | - |
| TVI 50-2503A | 10.0 | 7.50 | | 111.8 | 110.7 | 109.1 | 107.2 | 104.5 | 101.3 | 97.3 | 91.9 | 84.4 | 73.1 | 55.5 |

Technical data

Close-coupled vertical in-line pumps

TVI 65-1603 4-pole



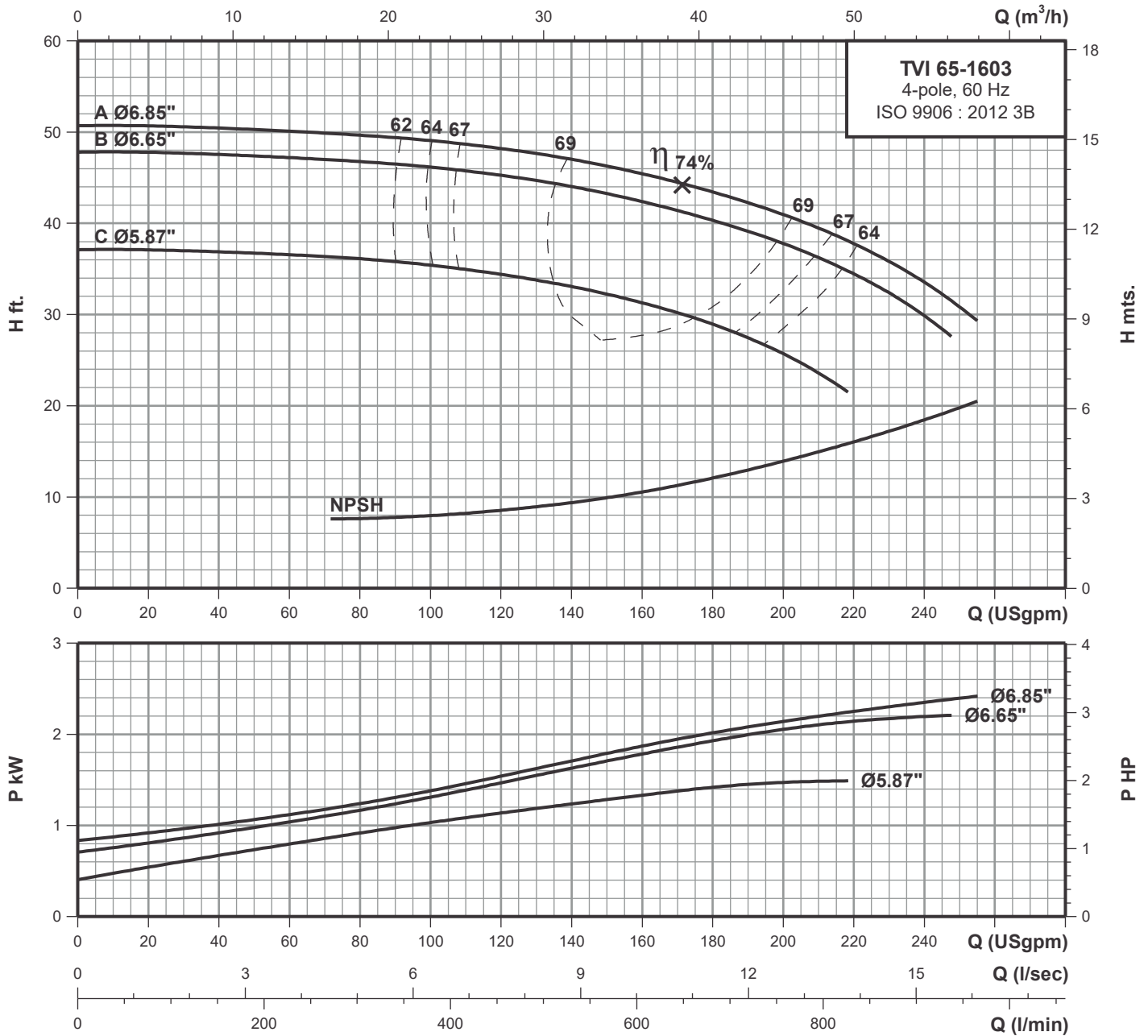
| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 2 | 3 | 4 |
| | [kW] | 1.5 | 2.2 | 3 |
| Frame | | 145JM | 182JM | 184JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 2.5 | 2.5 | 2.5 |
| | [mm] | 65 | 65 | 65 |
| H1 | [inch] | 5.24 | 5.24 | 5.24 |
| | [mm] | 133 | 133 | 133 |
| H2 | [inch] | 3.7 | 3.7 | 3.7 |
| | [mm] | 94 | 94 | 94 |
| H3 | [inch] | 20.28 | 22.24 | 22.24 |
| | [mm] | 515 | 565 | 565 |
| BH | [inch] | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 |
| B | [inch] | 10.83 | 10.83 | 10.83 |
| | [mm] | 275 | 275 | 275 |
| F | [inch] | 9.17 | 9.17 | 9.17 |
| | [mm] | 233 | 233 | 233 |
| L1 | [inch] | 17.32 | 17.32 | 17.32 |
| | [mm] | 440 | 440 | 440 |
| C5 | [inch] | 9.45 | 9.45 | 9.45 |
| | [mm] | 240 | 240 | 240 |
| G1 | [inch] | 4.76 | 4.76 | 4.76 |
| | [mm] | 121 | 121 | 121 |
| G2 | [inch] | 5.75 | 5.75 | 5.75 |
| | [mm] | 146 | 146 | 146 |
| P | [inch] | 6.5 | 6.5 | 6.5 |
| | [mm] | 165 | 165 | 165 |
| AC | [inch] | 6.93 | 8.58 | 8.58 |
| | [mm] | 176 | 218 | 218 |
| AD | [inch] | 4.92 | 6.46 | 6.46 |
| | [mm] | 125 | 164 | 164 |
| Net weight | [lbs] | 157 | 187 | 192 |
| | [kg] | 71 | 85 | 87 |
| Gross weight | [lbs] | 260 | 291 | 295 |
| | [kg] | 118 | 132 | 134 |
| Volume | [ft ³] | 11.25 | 11.25 | 11.25 |
| | [m ³] | 0.319 | 0.319 | 0.319 |

Performance curves

TVI 65-1603

Close-coupled vertical in-line pumps

4-pole



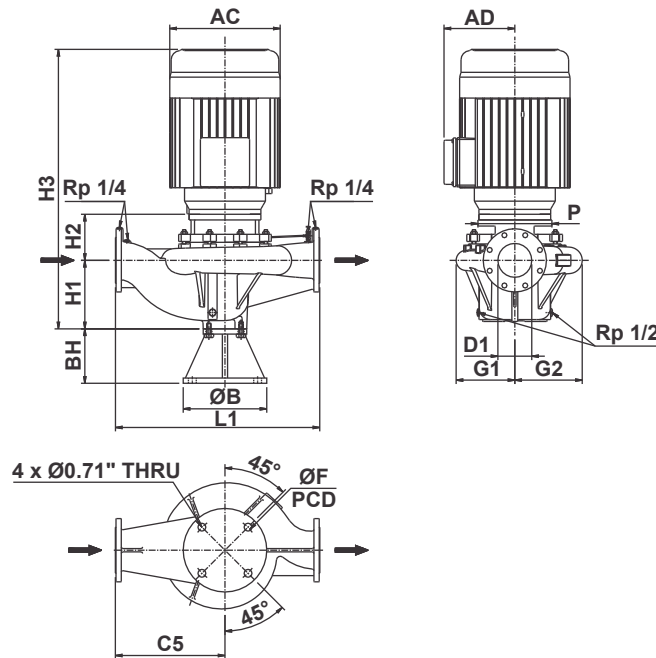
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 151 | 227 | 303 | 379 | 454 | 530 | 606 | 681 | 757 | 833 | 908 |
|--------------|-------|------|----------------|------|------|------|------|------|------|------|------|------|------|------|
| | HP | kW | | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 |
| TVI 65-1603C | 2.00 | 1.50 | H ft. | 36.9 | 36.5 | 36 | 35.4 | 34.6 | 33.1 | 31.3 | 29 | 25.9 | - | - |
| TVI 65-1603B | 3.00 | 2.20 | | 47.6 | 47.1 | 46.8 | 46 | 45.3 | 44 | 42.5 | 40.4 | 37.9 | 34.5 | 30 |
| TVI 65-1603A | 4.00 | 3.00 | | 50.5 | 50 | 49.7 | 49 | 48 | 47 | 45.3 | 43.4 | 40.9 | 38 | 33.8 |

Technical data

Close-coupled vertical in-line pumps

TVI 65-2003 4-pole

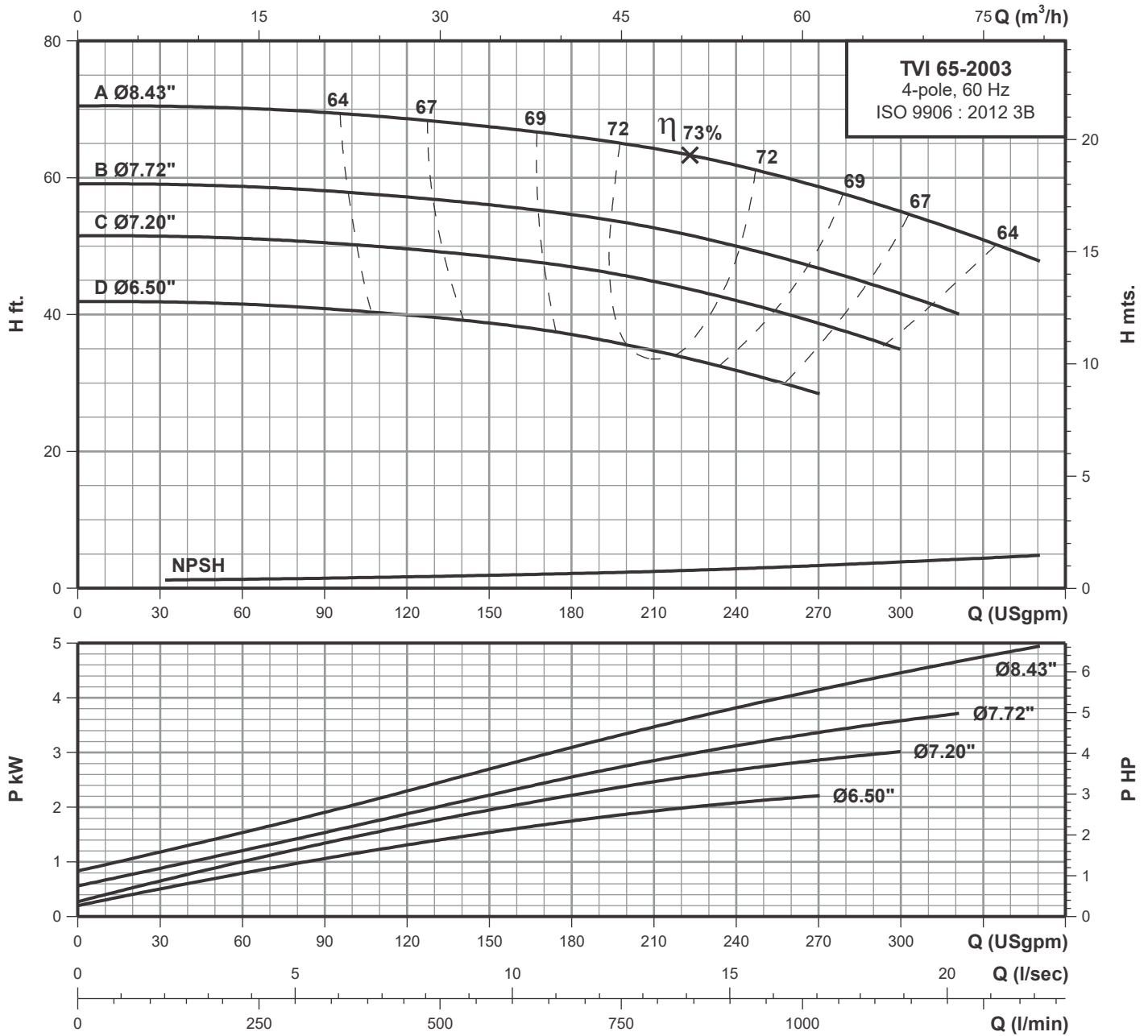


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 3 | 4 | 5 | 7.5 |
| | [kW] | 2.2 | 3 | 3.7 | 5.5 |
| Frame | | 182JM | 184JM | 184JM | 213JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 2.5 | 2.5 | 2.5 | 2.5 |
| | [mm] | 65 | 65 | 65 | 65 |
| H1 | [inch] | 6.18 | 6.18 | 6.18 | 6.18 |
| | [mm] | 157 | 157 | 157 | 157 |
| H2 | [inch] | 4.09 | 4.09 | 4.09 | 4.33 |
| | [mm] | 104 | 104 | 104 | 110 |
| H3 | [inch] | 23.58 | 23.58 | 23.58 | 25.43 |
| | [mm] | 599 | 599 | 599 | 646 |
| BH | [inch] | 4.92 | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 | 125 |
| B | [inch] | 10.83 | 10.83 | 10.83 | 10.83 |
| | [mm] | 275 | 275 | 275 | 275 |
| F | [inch] | 9.17 | 9.17 | 9.17 | 9.17 |
| | [mm] | 233 | 233 | 233 | 233 |
| L1 | [inch] | 19.49 | 19.49 | 19.49 | 19.49 |
| | [mm] | 495 | 495 | 495 | 495 |
| C5 | [inch] | 10.63 | 10.63 | 10.63 | 10.63 |
| | [mm] | 270 | 270 | 270 | 270 |
| G1 | [inch] | 5.59 | 5.59 | 5.59 | 5.59 |
| | [mm] | 142 | 142 | 142 | 142 |
| G2 | [inch] | 6.3 | 6.3 | 6.3 | 6.3 |
| | [mm] | 160 | 160 | 160 | 160 |
| P | [inch] | 6.5 | 6.5 | 6.5 | 8.86 |
| | [mm] | 165 | 165 | 165 | 225 |
| AC | [inch] | 8.58 | 8.58 | 8.58 | 10.24 |
| | [mm] | 218 | 218 | 218 | 260 |
| AD | [inch] | 6.46 | 6.46 | 6.46 | 7.4 |
| | [mm] | 164 | 164 | 164 | 188 |
| Net weight | [lbs] | 203 | 207 | 212 | 276 |
| | [kg] | 92 | 94 | 96 | 125 |
| Gross weight | [lbs] | 317 | 322 | 326 | 390 |
| | [kg] | 144 | 146 | 148 | 177 |
| Volume | [ft ³] | 13.08 | 13.08 | 13.08 | 13.08 |
| | [m ³] | 0.370 | 0.370 | 0.370 | 0.370 |

Performance curves

TVI 65-2003
4-pole
4-pole

Close-coupled vertical in-line pumps



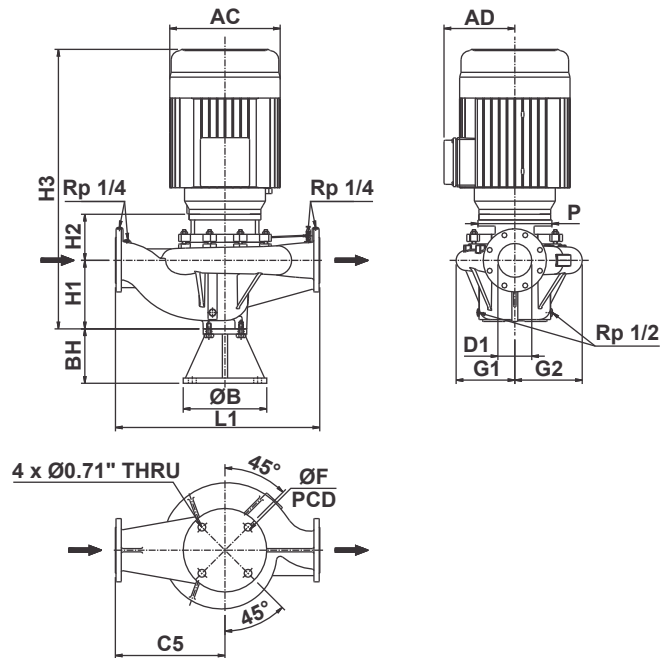
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 227 | 341 | 454 | 568 | 681 | 795 | 908 | 1022 | 1136 | 1249 |
|--------------|-------|------|----------------|------|------|------|------|------|------|------|------|------|------|
| | HP | kW | | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 |
| TVI 65-2003D | 3.00 | 2.20 | H ft. | 41.5 | 40.9 | 40 | 38.7 | 37 | 34.5 | 31.8 | 28.6 | - | - |
| TVI 65-2003C | 4.00 | 3.00 | | 51.1 | 50.4 | 49.5 | 48.4 | 46.9 | 44.7 | 42 | 38.7 | 34.9 | - |
| TVI 65-2003B | 5.00 | 3.70 | | 58.6 | 58 | 57.1 | 56 | 54.7 | 52.6 | 50 | 46.7 | 43.1 | - |
| TVI 65-2003A | 7.50 | 5.50 | | 70.1 | 69.4 | 68.7 | 67.5 | 66.1 | 64.2 | 61.9 | 58.8 | 54.9 | 50.9 |

Technical data

Close-coupled vertical in-line pumps

TVI 65-2503 4-pole



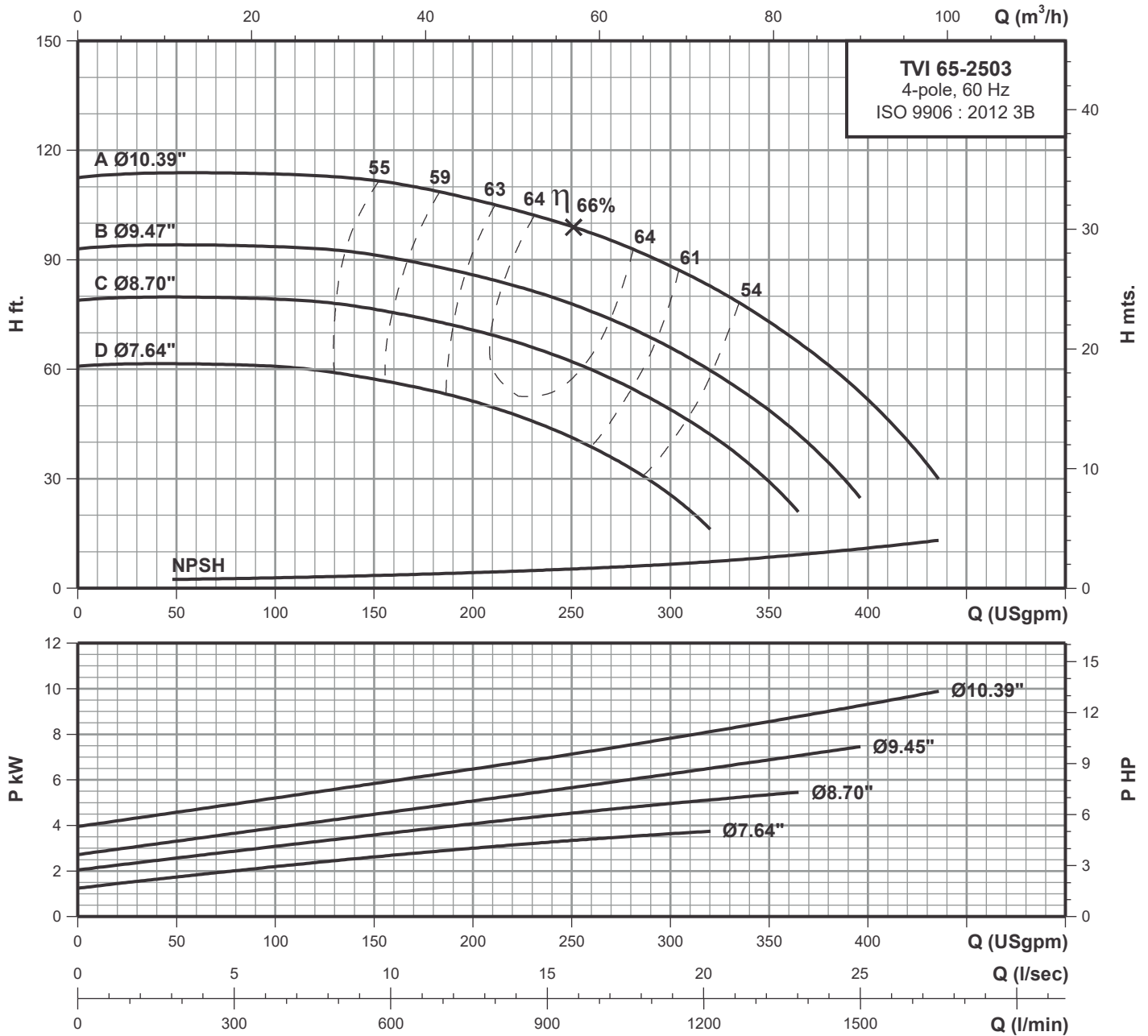
| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 5 | 7.5 | 10 | 15 |
| | [kW] | 3.7 | 5.5 | 7.5 | 11 |
| Frame | | 184JM | 213JM | 215JM | 254JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 2.5 | 2.5 | 2.5 | 2.5 |
| | [mm] | 65 | 65 | 65 | 65 |
| H1 | [inch] | 6.77 | 6.77 | 6.77 | 6.77 |
| | [mm] | 172 | 172 | 172 | 172 |
| H2 | [inch] | 4.37 | 4.61 | 4.61 | 5.39 |
| | [mm] | 111 | 117 | 117 | 137 |
| H3 | [inch] | 24.45 | 26.3 | 27.8 | 31.34 |
| | [mm] | 621 | 668 | 706 | 796 |
| BH | [inch] | 4.92 | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 | 125 |
| B | [inch] | 10.83 | 10.83 | 10.83 | 10.83 |
| | [mm] | 275 | 275 | 275 | 275 |
| F | [inch] | 9.17 | 9.17 | 9.17 | 9.17 |
| | [mm] | 233 | 233 | 233 | 233 |
| L1 | [inch] | 21.65 | 21.65 | 21.65 | 21.65 |
| | [mm] | 550 | 550 | 550 | 550 |
| C5 | [inch] | 11.81 | 11.81 | 11.81 | 11.81 |
| | [mm] | 300 | 300 | 300 | 300 |
| G1 | [inch] | 6.69 | 6.69 | 6.69 | 6.69 |
| | [mm] | 170 | 170 | 170 | 170 |
| G2 | [inch] | 7.4 | 7.4 | 7.4 | 7.4 |
| | [mm] | 188 | 188 | 188 | 188 |
| P | [inch] | 6.5 | 8.86 | 8.86 | 10 |
| | [mm] | 165 | 225 | 225 | 254 |
| AC | [inch] | 8.58 | 10.24 | 10.24 | 11.93 |
| | [mm] | 218 | 260 | 260 | 303 |
| AD | [inch] | 6.46 | 7.4 | 7.4 | 9.49 |
| | [mm] | 164 | 188 | 188 | 241 |
| Net weight | [lbs] | 263 | 330 | 354 | 431 |
| | [kg] | 119.5 | 149.5 | 160.5 | 196 |
| Gross weight | [lbs] | 385 | 491 | 515 | 625 |
| | [kg] | 174.5 | 222.5 | 233.5 | 284 |
| Volume | [ft ³] | 13.12 | 21.46 | 21.46 | 28.97 |
| | [m ³] | 0.372 | 0.608 | 0.608 | 0.820 |

Performance curves

TVI 65-2503

Close-coupled vertical in-line pumps

4-pole



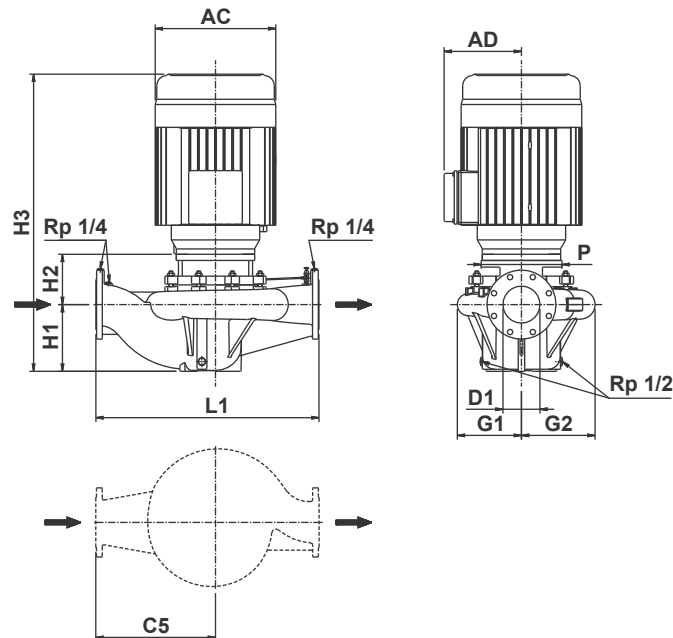
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 379 | 568 | 757 | 946 | 1136 | 1325 | 1514 |
|--------------|-------|------|----------------|-------|-------|-------|------|------|------|------|
| | HP | kW | | 100 | 150 | 200 | 250 | 300 | 350 | 400 |
| TVI 65-2503D | 5.00 | 3.70 | H ft. | 45.6 | 41.7 | 34.9 | 23 | - | - | - |
| TVI 65-2503C | 7.50 | 5.50 | | 66.5 | 63.3 | 57.4 | 48 | 33.4 | - | - |
| TVI 65-2503B | 10.0 | 7.50 | | 88 | 85.8 | 80.2 | 71.9 | 59.7 | 41.7 | - |
| TVI 65-2503A | 15 | 11 | | 113.6 | 111.6 | 106.5 | 99.2 | 88.3 | 73.3 | 51.6 |

Technical data

Close-coupled vertical in-line pumps

TVI 80-1603 4-pole



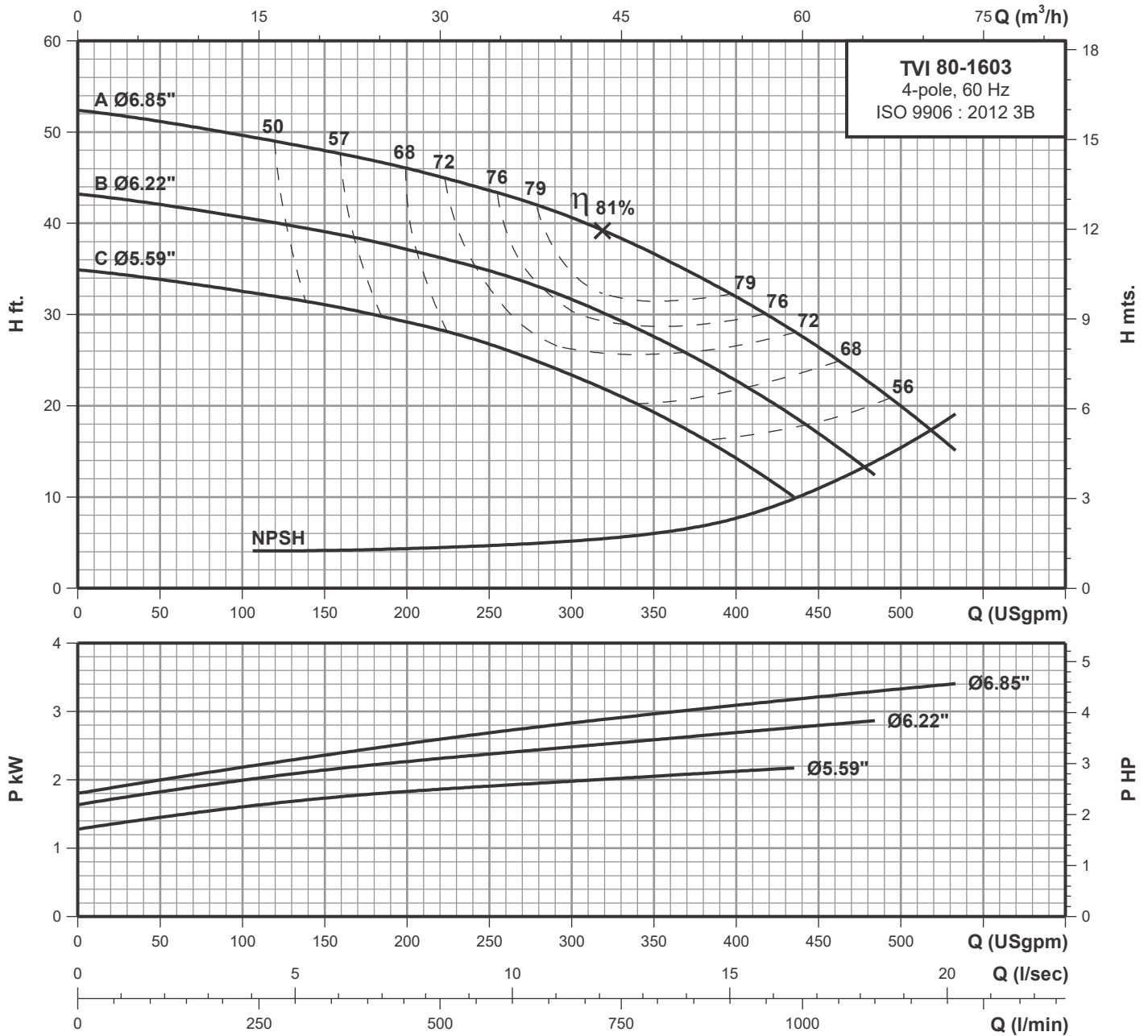
| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 3 | 4 | 5 |
| | [kW] | 2.2 | 3 | 3.7 |
| Frame | | 182JM | 184JM | 184JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 3 | 3 | 3 |
| | [mm] | 80 | 80 | 80 |
| H1 | [inch] | 6.38 | 6.38 | 6.38 |
| | [mm] | 162 | 162 | 162 |
| H2 | [inch] | 4.09 | 4.09 | 4.09 |
| | [mm] | 104 | 104 | 104 |
| H3 | [inch] | 23.78 | 23.78 | 23.78 |
| | [mm] | 604 | 604 | 604 |
| L1 | [inch] | 19.69 | 19.69 | 19.69 |
| | [mm] | 500 | 500 | 500 |
| C5 | [inch] | 10.83 | 10.83 | 10.83 |
| | [mm] | 275 | 275 | 275 |
| G1 | [inch] | 5.24 | 5.24 | 5.24 |
| | [mm] | 133 | 133 | 133 |
| G2 | [inch] | 6.18 | 6.18 | 6.18 |
| | [mm] | 157 | 157 | 157 |
| P | [inch] | 6.5 | 6.5 | 6.5 |
| | [mm] | 165 | 165 | 165 |
| AC | [inch] | 8.58 | 8.58 | 8.58 |
| | [mm] | 218 | 218 | 218 |
| AD | [inch] | 6.46 | 6.46 | 6.46 |
| | [mm] | 164 | 164 | 164 |
| Net weight | [lbs] | 190 | 194 | 198 |
| | [kg] | 86 | 88 | 90 |
| Gross weight | [lbs] | 293 | 298 | 302 |
| | [kg] | 133 | 135 | 137 |
| Volume | [ft ³] | 11.25 | 11.25 | 11.25 |
| | [m ³] | 0.319 | 0.319 | 0.319 |

Performance curves

TVI 80-1603

Close-coupled vertical in-line pumps

4-pole



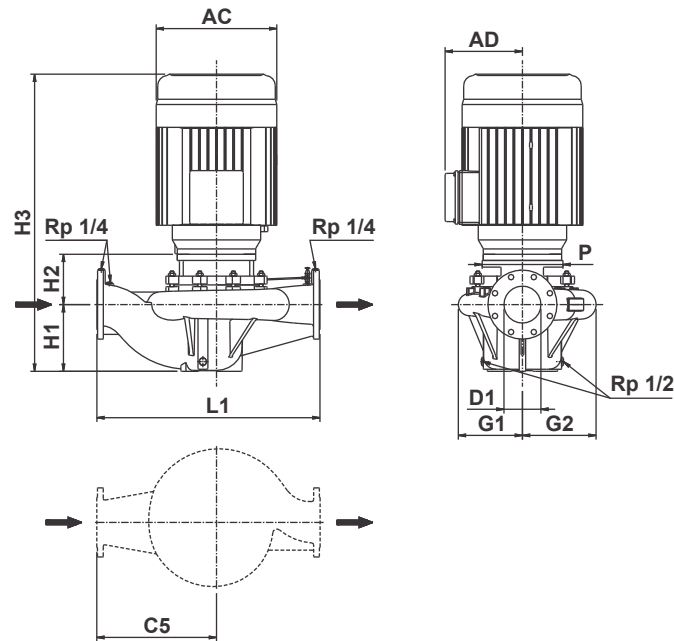
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 379 | 568 | 757 | 946 | 1136 | 1325 | 1514 | 1703 | 1893 |
|--------------|-------|------|----------------|------|------|------|------|------|------|------|------|------|
| | HP | kW | | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| TVI 80-1603C | 3.00 | 2.20 | H ft. | 32.6 | 31 | 29.2 | 26.7 | 23.5 | 19.3 | 14.2 | - | - |
| TVI 80-1603B | 4.00 | 3.00 | | 40.7 | 39.2 | 37.1 | 34.8 | 31.8 | 27.7 | 22.8 | 26.9 | - |
| TVI 80-1603A | 5.00 | 3.70 | | 49.7 | 48 | 46 | 43.8 | 40.6 | 36.8 | 32 | 26.4 | 20 |

Technical data

Close-coupled vertical in-line pumps

TVI 80-2003 4-pole

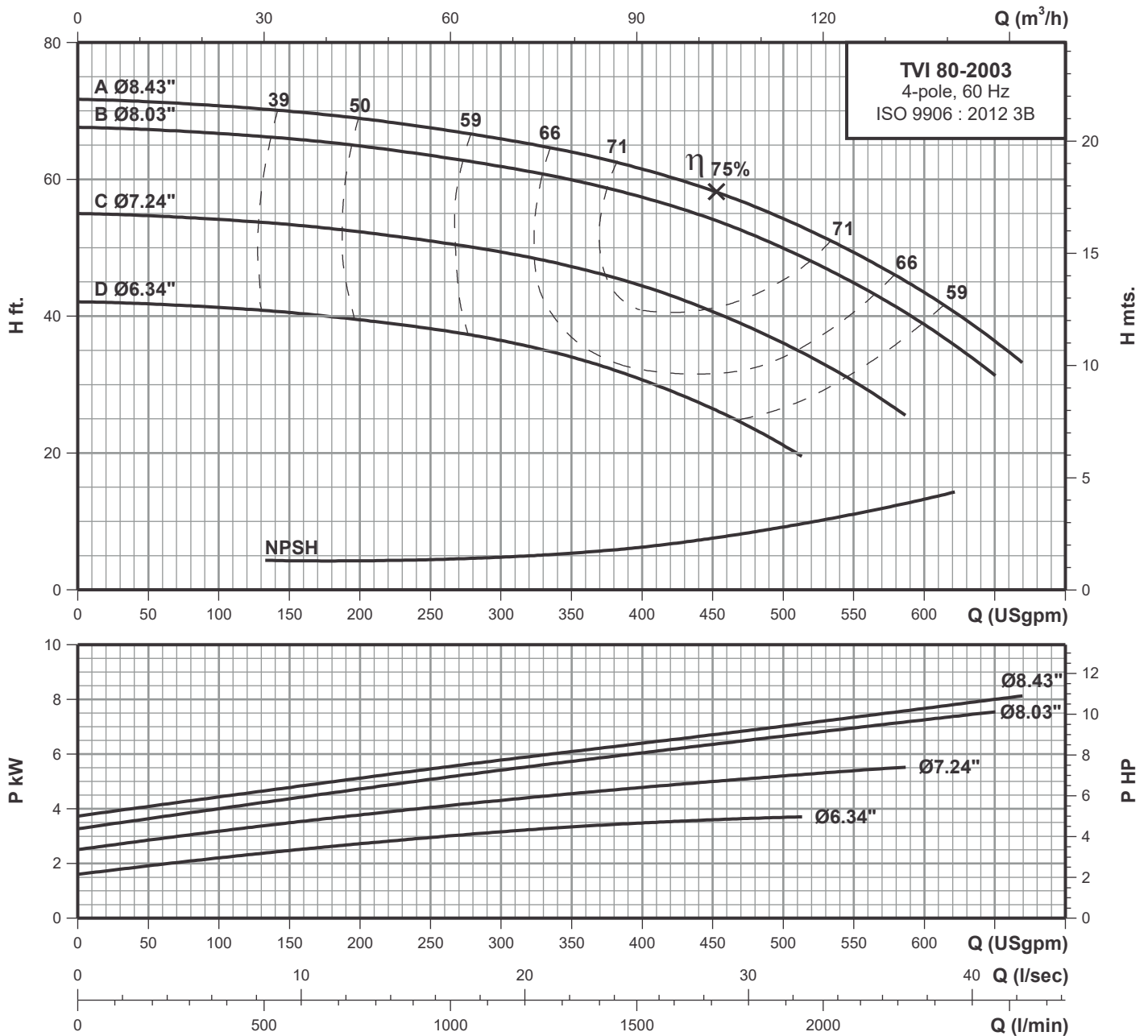


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 5 | 7.5 | 10 | 15 |
| | [kW] | 3.7 | 5.5 | 7.5 | 11 |
| Frame | | 184JM | 213JM | 215JM | 254JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 3 | 3 | 3 | 3 |
| | [mm] | 80 | 80 | 80 | 80 |
| H1 | [inch] | 6.69 | 6.69 | 6.69 | 6.69 |
| | [mm] | 170 | 170 | 170 | 170 |
| H2 | [inch] | 4.53 | 4.76 | 4.76 | 5.35 |
| | [mm] | 115 | 121 | 121 | 136 |
| H3 | [inch] | 24.53 | 26.38 | 27.87 | 31.22 |
| | [mm] | 623 | 670 | 708 | 793 |
| L1 | [inch] | 22.01 | 22.01 | 22.01 | 22.01 |
| | [mm] | 559 | 559 | 559 | 559 |
| C5 | [inch] | 12.17 | 12.17 | 12.17 | 12.17 |
| | [mm] | 309 | 309 | 309 | 309 |
| G1 | [inch] | 6.1 | 6.1 | 6.1 | 6.1 |
| | [mm] | 155 | 155 | 155 | 155 |
| G2 | [inch] | 7.2 | 7.2 | 7.2 | 7.2 |
| | [mm] | 183 | 183 | 183 | 183 |
| P | [inch] | 6.5 | 8.86 | 8.86 | 10 |
| | [mm] | 165 | 225 | 225 | 254 |
| AC | [inch] | 8.58 | 10.24 | 10.24 | 11.93 |
| | [mm] | 218 | 260 | 260 | 303 |
| AD | [inch] | 6.46 | 7.4 | 7.4 | 9.49 |
| | [mm] | 164 | 188 | 188 | 241 |
| Net weight | [lbs] | 227 | 291 | 317 | 399 |
| | [kg] | 103 | 132 | 144 | 181 |
| Gross weight | [lbs] | 348 | 412 | 439 | 560 |
| | [kg] | 158 | 187 | 199 | 254 |
| Volume | [ft ³] | 14.17 | 14.17 | 14.17 | 21.46 |
| | [m ³] | 0.401 | 0.401 | 0.401 | 0.608 |

Performance curves

TVI 80-2003 4-pole

Close-coupled vertical in-line pumps



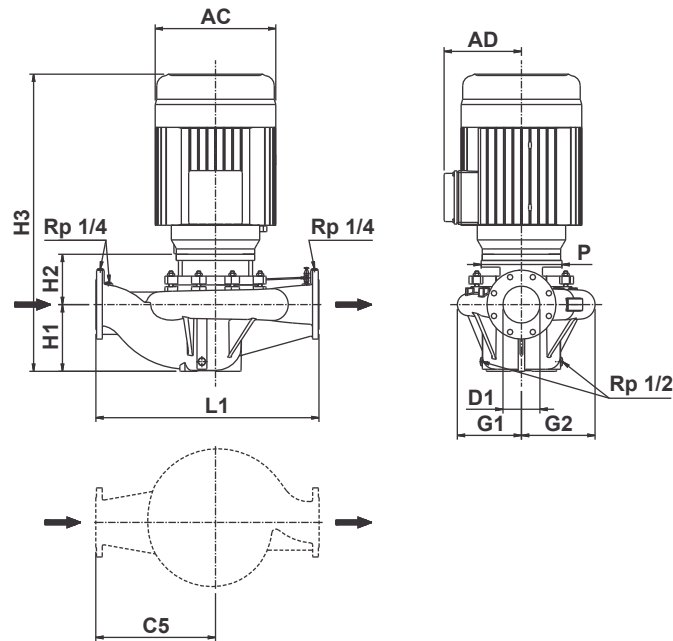
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 568 | 757 | 946 | 1136 | 1325 | 1514 | 1703 | 1893 | 2082 | 2271 | 2461 |
|--------------|-------|------|----------------|------|------|------|------|------|------|------|------|------|------|------|
| | HP | kW | | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 |
| TVI 80-2003D | 5.00 | 3.70 | H ft. | 40.6 | 39.4 | 38.3 | 36.4 | 34 | 30.7 | 26.4 | 21.2 | - | - | - |
| TVI 80-2003C | 7.50 | 5.50 | | 53.4 | 52.2 | 50.9 | 49.3 | 47.4 | 44.4 | 40.7 | 36.1 | 30.4 | - | - |
| TVI 80-2003B | 10.0 | 7.50 | | 66 | 64.8 | 63.5 | 61.9 | 59.9 | 57.3 | 54.1 | 50.1 | 44.7 | 38.7 | 31.1 |
| TVI 80-2003A | 15 | 11 | | 69.9 | 69 | 67.6 | 65.8 | 63.8 | 61.5 | 58.3 | 54.3 | 49.1 | 43.6 | 36.1 |

Technical data

Close-coupled vertical in-line pumps

TVI 80-200L3 4-pole

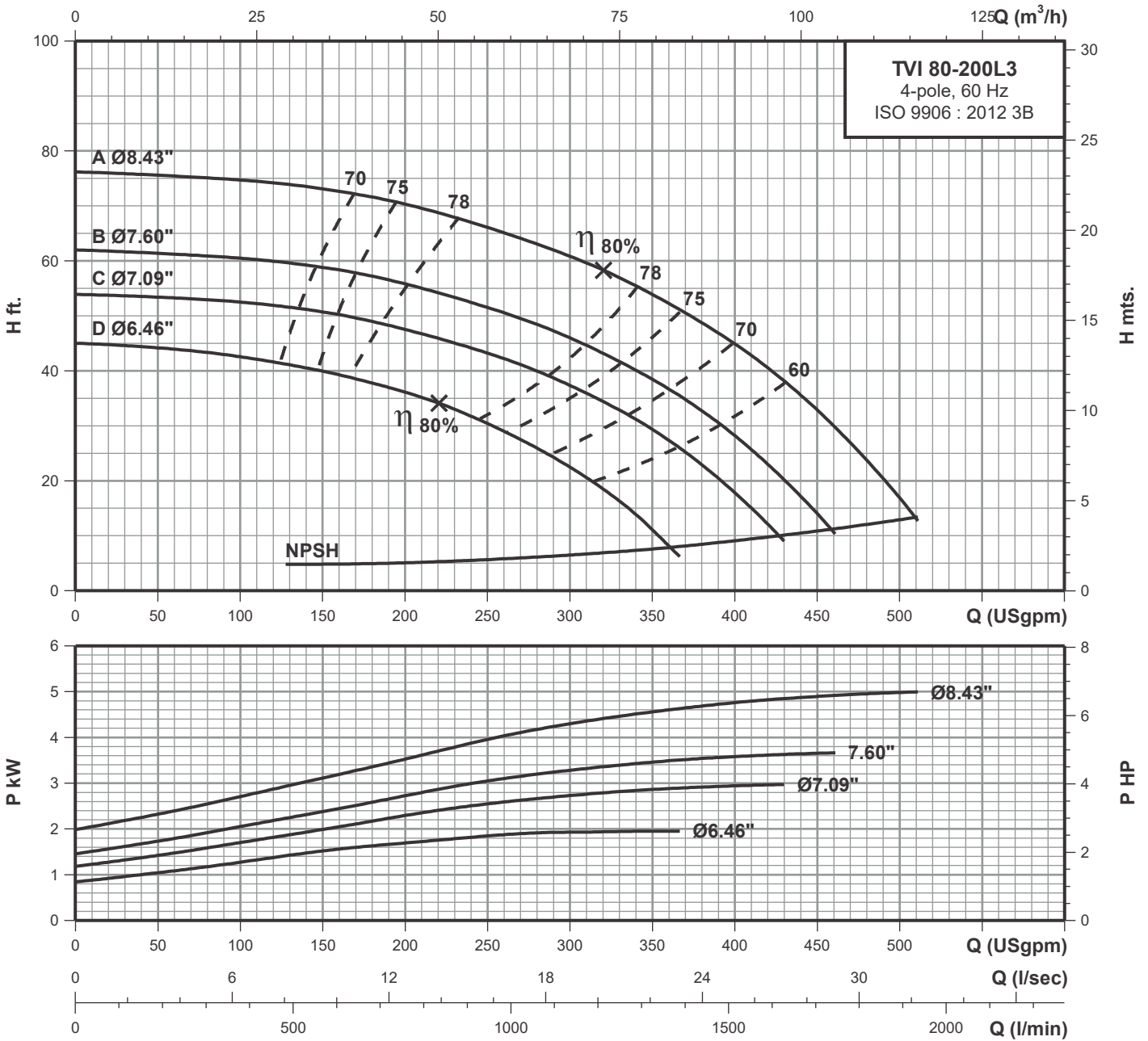


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 3 | 4 | 5 | 7.5 |
| | [kW] | 2.2 | 3 | 3.7 | 5.5 |
| Frame | | 182JM | 184JM | 184JM | 213JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 3 | 3 | 3 | 3 |
| | [mm] | 80 | 80 | 80 | 80 |
| H1 | [inch] | 5.91 | 5.91 | 5.91 | 5.91 |
| | [mm] | 150 | 150 | 150 | 150 |
| H2 | [inch] | 4.53 | 4.53 | 4.53 | 4.76 |
| | [mm] | 115 | 115 | 115 | 121 |
| H3 | [inch] | 24.53 | 24.53 | 24.53 | 26.38 |
| | [mm] | 623 | 623 | 623 | 670 |
| L1 | [inch] | 20.67 | 20.67 | 20.67 | 20.67 |
| | [mm] | 525 | 525 | 525 | 525 |
| C5 | [inch] | 11.81 | 11.81 | 11.81 | 11.81 |
| | [mm] | 300 | 300 | 300 | 300 |
| G1 | [inch] | 5.71 | 5.71 | 5.71 | 5.71 |
| | [mm] | 145 | 145 | 145 | 145 |
| G2 | [inch] | 6.54 | 6.54 | 6.54 | 6.54 |
| | [mm] | 166 | 166 | 166 | 166 |
| P | [inch] | 6.50 | 6.50 | 6.50 | 8.86 |
| | [mm] | 165 | 165 | 165 | 225 |
| AC | [inch] | 8.58 | 8.58 | 8.58 | 10.24 |
| | [mm] | 218 | 218 | 218 | 260 |
| AD | [inch] | 6.46 | 6.46 | 6.46 | 7.40 |
| | [mm] | 164 | 164 | 164 | 188 |
| Net weight | [lbs] | 218 | 222 | 227 | 290 |
| | [kg] | 99 | 101 | 103 | 132 |
| Gross weight | [lbs] | 261 | 267 | 272 | 348 |
| | [kg] | 119 | 121 | 124 | 158 |
| Volume | [ft ³] | 9.88 | 9.88 | 9.88 | 10.48 |
| | [m ³] | 0.28 | 0.28 | 0.28 | 0.30 |

Performance curves

TVI 80-200L3 4-pole

Close-coupled vertical in-line pumps



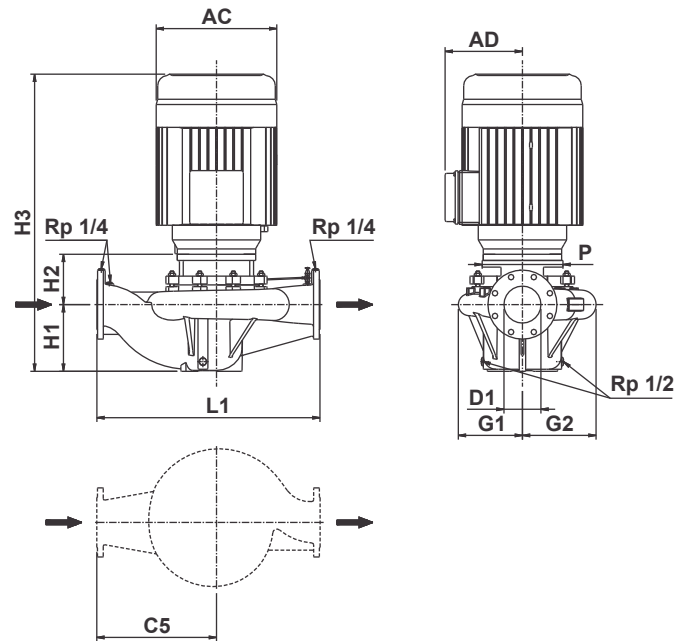
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 379 | 568 | 757 | 946 | 1136 | 1325 | 1514 | 1703 | 1893 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|------|------|
| | HP | kW | | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| TVI 80-200L3D | 3.00 | 2.20 | H ft. | 42.6 | 40 | 36 | 30.4 | 22.4 | 11 | - | - | - |
| TVI 80-200L3C | 4.00 | 3.00 | | 52.6 | 50.6 | 47.5 | 43.2 | 37.4 | 29.4 | 18 | - | - |
| TVI 80-200L3B | 5.00 | 3.70 | | 60.3 | 58.8 | 56 | 51.5 | 46 | 38.5 | 28.2 | 14 | - |
| TVI 80-200L3A | 7.50 | 5.50 | | 74.7 | 73.1 | 70.6 | 66.2 | 60.8 | 53.8 | 45 | 32.8 | 17 |

Technical data

Close-coupled vertical in-line pumps

TVI 80-2503 4-pole



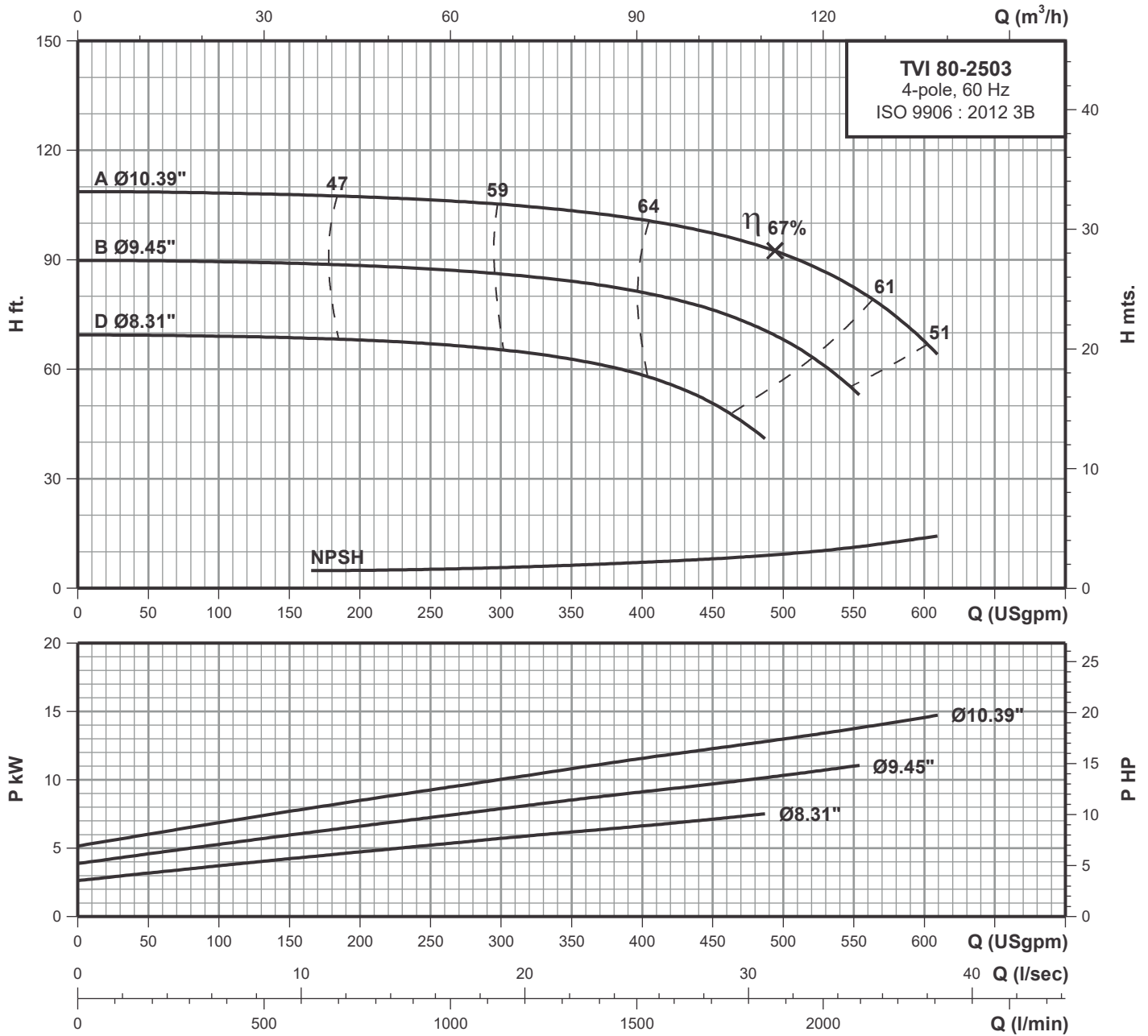
| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 10 | 15 | 20 |
| | [kW] | 7.5 | 11 | 15 |
| Frame | | 215JM | 254JM | 256JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | D | B | A |
| D1 | [inch] | 3 | 3 | 3 |
| | [mm] | 80 | 80 | 80 |
| H1 | [inch] | 6.85 | 6.85 | 6.85 |
| | [mm] | 174 | 174 | 174 |
| H2 | [inch] | 4.61 | 5.39 | 5.39 |
| | [mm] | 117 | 137 | 137 |
| H3 | [inch] | 27.87 | 31.42 | 33.07 |
| | [mm] | 708 | 798 | 840 |
| L1 | [inch] | 23.82 | 23.82 | 23.82 |
| | [mm] | 605 | 605 | 605 |
| C5 | [inch] | 12.8 | 12.8 | 12.8 |
| | [mm] | 325 | 325 | 325 |
| G1 | [inch] | 7.01 | 7.01 | 7.01 |
| | [mm] | 178 | 178 | 178 |
| G2 | [inch] | 8.03 | 8.03 | 8.03 |
| | [mm] | 204 | 204 | 204 |
| P | [inch] | 8.86 | 10 | 10 |
| | [mm] | 225 | 254 | 254 |
| AC | [inch] | 10.24 | 11.93 | 11.93 |
| | [mm] | 260 | 303 | 303 |
| AD | [inch] | 7.4 | 9.49 | 9.49 |
| | [mm] | 188 | 241 | 241 |
| Net weight | [lbs] | 342 | 423 | 470 |
| | [kg] | 155 | 192 | 213 |
| Gross weight | [lbs] | 456 | 584 | 631 |
| | [kg] | 207 | 265 | 286 |
| Volume | [ft ³] | 13.87 | 21.46 | 21.46 |
| | [m ³] | 0.393 | 0.608 | 0.608 |

Performance curves

TVI 80-2503

Close-coupled vertical in-line pumps

4-pole



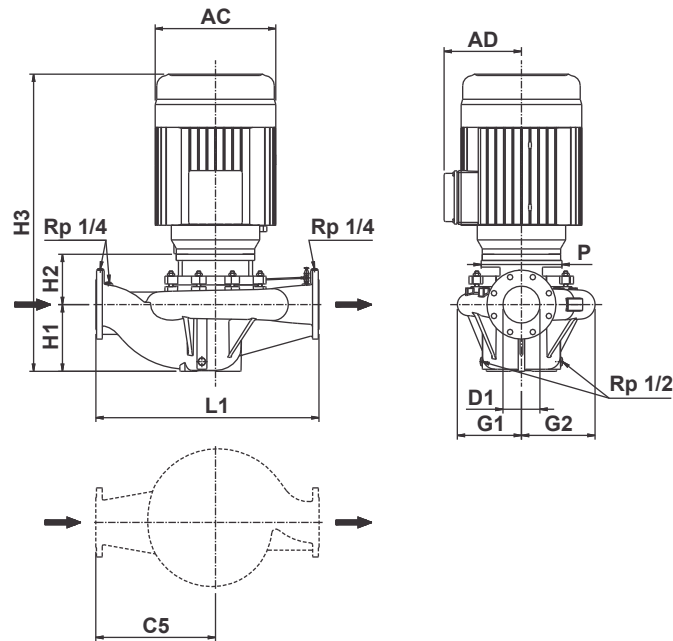
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 379 | 568 | 757 | 946 | 1136 | 1325 | 1514 | 1703 | 1893 | 2082 | 2271 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| | HP | kW | | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 |
| TVI 80-2503D | 10.0 | 7.50 | H ft. | 69 | 68.7 | 68 | 67 | 65.4 | 62.8 | 58.2 | 50.6 | - | - | - |
| TVI 80-2503B | 15.0 | 11.0 | | 89.4 | 89.1 | 88.4 | 87.4 | 86.1 | 84.2 | 81.2 | 76.3 | 68 | 54.6 | - |
| TVI 80-2503A | 20.0 | 15.0 | | 108.2 | 107.8 | 107.2 | 106.5 | 105.2 | 103.5 | 100.9 | 97.3 | 91.4 | 82.5 | 67.7 |

Technical data

Close-coupled vertical in-line pumps

TVI 80-250L3 4-pole

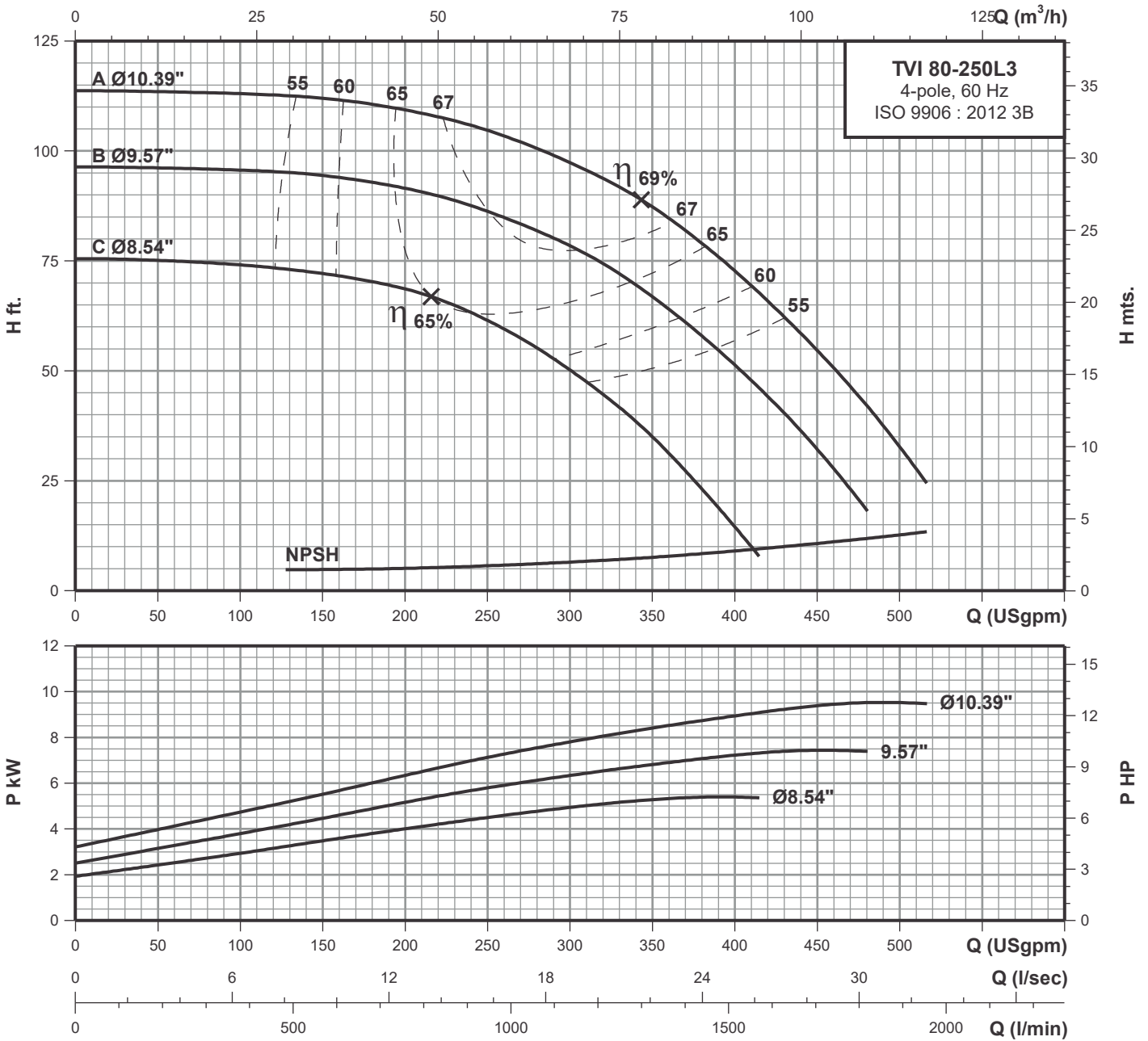


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 7.5 | 10 | 15 |
| | [kW] | 5.5 | 7.5 | 11 |
| Frame | | 213JM | 215JM | 254JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 3 | 3 | 3 |
| | [mm] | 80 | 80 | 80 |
| H1 | [inch] | 6.42 | 6.42 | 6.42 |
| | [mm] | 163 | 163 | 163 |
| H2 | [inch] | 4.61 | 4.61 | 5.39 |
| | [mm] | 117 | 117 | 137 |
| H3 | [inch] | 26.30 | 27.80 | 31.34 |
| | [mm] | 668 | 706 | 796 |
| L1 | [inch] | 23.23 | 23.23 | 23.23 |
| | [mm] | 590 | 590 | 590 |
| C5 | [inch] | 12.99 | 12.99 | 12.99 |
| | [mm] | 330 | 330 | 330 |
| G1 | [inch] | 6.69 | 6.69 | 6.69 |
| | [mm] | 170 | 170 | 170 |
| G2 | [inch] | 7.52 | 7.52 | 7.52 |
| | [mm] | 191 | 191 | 191 |
| P | [inch] | 8.86 | 8.86 | 10.00 |
| | [mm] | 225 | 225 | 254 |
| AC | [inch] | 10.24 | 10.24 | 11.93 |
| | [mm] | 260 | 260 | 303 |
| AD | [inch] | 7.40 | 7.40 | 9.49 |
| | [mm] | 188 | 188 | 241 |
| Net weight | [lbs] | 317 | 341 | 422 |
| | [kg] | 144 | 155 | 192 |
| Gross weight | [lbs] | 477 | 455 | 583 |
| | [kg] | 217 | 207 | 265 |
| Volume | [ft ³] | 10.58 | 13.87 | 21.45 |
| | [m ³] | 0.300 | 0.393 | 0.608 |

Performance curves

TVI 80-250L3 4-pole

Close-coupled vertical in-line pumps



Performance data at n=1750 rpm

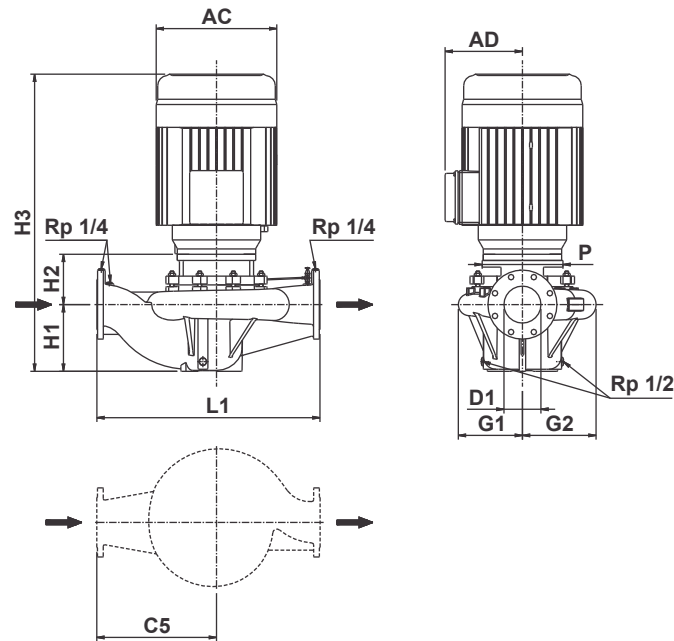
| Model | Power | | l/min USgpm | 379 | 568 | 757 | 946 | 1136 | 1325 | 1514 | 1703 | 1893 |
|---------------|-------|------|----------------|------|-------|-------|-------|------|------|------|------|------|
| | HP | kW | | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| TVI 80-250L3C | 7.50 | 5.50 | H ft. | 73.9 | 71.9 | 68.8 | 61.4 | 50.2 | 35.1 | 14.5 | - | - |
| TVI 80-250L3B | 10.0 | 7.50 | | 95.6 | 94.4 | 91.7 | 86.2 | 78.5 | 66.8 | 51 | 32 | - |
| TVI 80-250L3A | 15.0 | 11.0 | | 113 | 111.8 | 109.5 | 104.9 | 97.5 | 87.4 | 72.7 | 54.8 | 32.8 |

Technical data

Close-coupled vertical in-line pumps

TVI 80-3153

4-pole

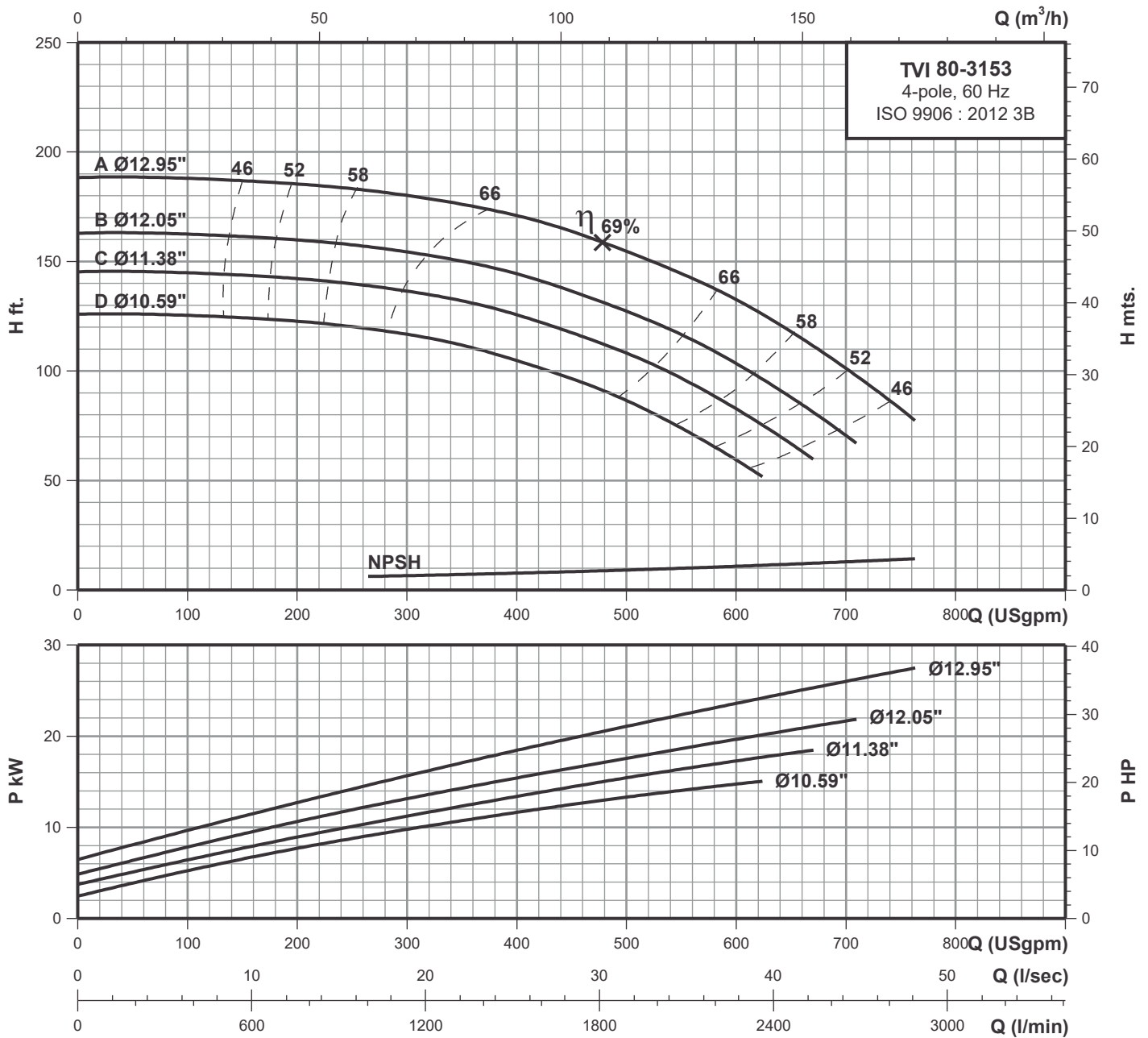


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 20 | 25 | 30 | 40 |
| | [kW] | 15 | 18.5 | 22 | 30 |
| Frame | | 256JM | 284JM | 286JM | 324JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 3 | 3 | 3 | 3 |
| | [mm] | 80 | 80 | 80 | 80 |
| H1 | [inch] | 7.28 | 7.28 | 7.28 | 7.28 |
| | [mm] | 185 | 185 | 185 | 185 |
| H2 | [inch] | 5.43 | 5.43 | 5.43 | 5.16 |
| | [mm] | 138 | 138 | 138 | 131 |
| H3 | [inch] | 33.54 | 36.42 | 37.95 | 39.53 |
| | [mm] | 852 | 925 | 964 | 1004 |
| L1 | [inch] | 26.77 | 26.77 | 26.77 | 26.77 |
| | [mm] | 680 | 680 | 680 | 680 |
| C5 | [inch] | 14.37 | 14.37 | 14.37 | 14.37 |
| | [mm] | 365 | 365 | 365 | 365 |
| G1 | [inch] | 8.03 | 8.03 | 8.03 | 8.03 |
| | [mm] | 204 | 204 | 204 | 204 |
| G2 | [inch] | 8.94 | 8.94 | 8.94 | 8.94 |
| | [mm] | 227 | 227 | 227 | 227 |
| P | [inch] | 10 | 14.02 | 14.02 | 14.02 |
| | [mm] | 254 | 356 | 356 | 356 |
| AC | [inch] | 11.93 | 14.02 | 14.02 | 15.43 |
| | [mm] | 303 | 356 | 356 | 392 |
| AD | [inch] | 9.49 | 11.57 | 11.57 | 12.05 |
| | [mm] | 241 | 294 | 294 | 306 |
| Net weight | [lbs] | 492 | 653 | 688 | 798 |
| | [kg] | 223 | 296 | 312 | 362 |
| Gross weight | [lbs] | 653 | 847 | 882 | 992 |
| | [kg] | 296 | 384 | 400 | 450 |
| Volume | [ft ³] | 21.46 | 28.97 | 28.97 | 28.97 |
| | [m ³] | 0.608 | 0.820 | 0.820 | 0.820 |

Performance curves

TVI 80-3153 4-pole

Close-coupled vertical in-line pumps



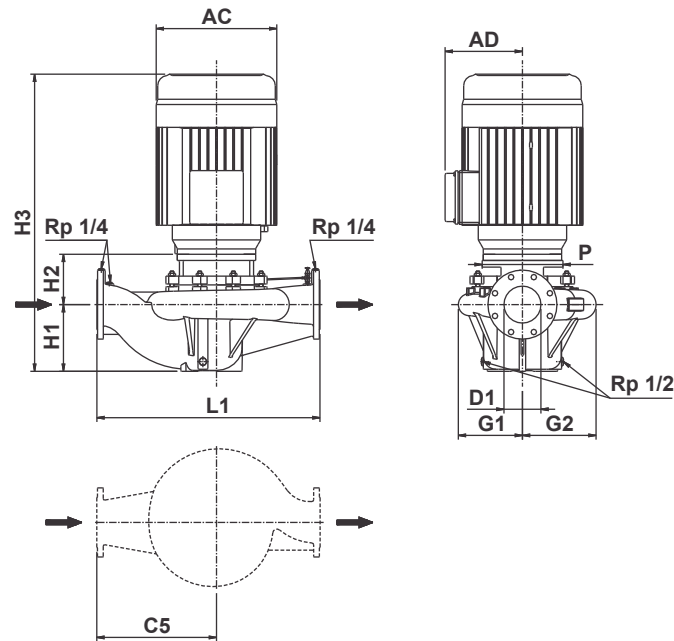
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 379 | 757 | 1136 | 1514 | 1893 | 2271 | 2650 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 100 | 200 | 300 | 400 | 500 | 600 | 700 |
| TVI 80-3153D | 20.0 | 15.0 | H ft. | 125.2 | 122.8 | 116.5 | 105 | 86.7 | 59.7 | - |
| TVI 80-3153C | 25.0 | 18.5 | | 144.9 | 142.1 | 136.3 | 126.1 | 108.4 | 82.8 | - |
| TVI 80-3153B | 30.0 | 22.0 | | 162.3 | 159.8 | 154.6 | 144.5 | 127.6 | 103.6 | 70.4 |
| TVI 80-3153A | 40.0 | 30.0 | | 187.8 | 185.4 | 180.1 | 171 | 154.6 | 132.9 | 101.1 |

Technical data

Close-coupled vertical in-line pumps

TVI 80-4003 4-pole



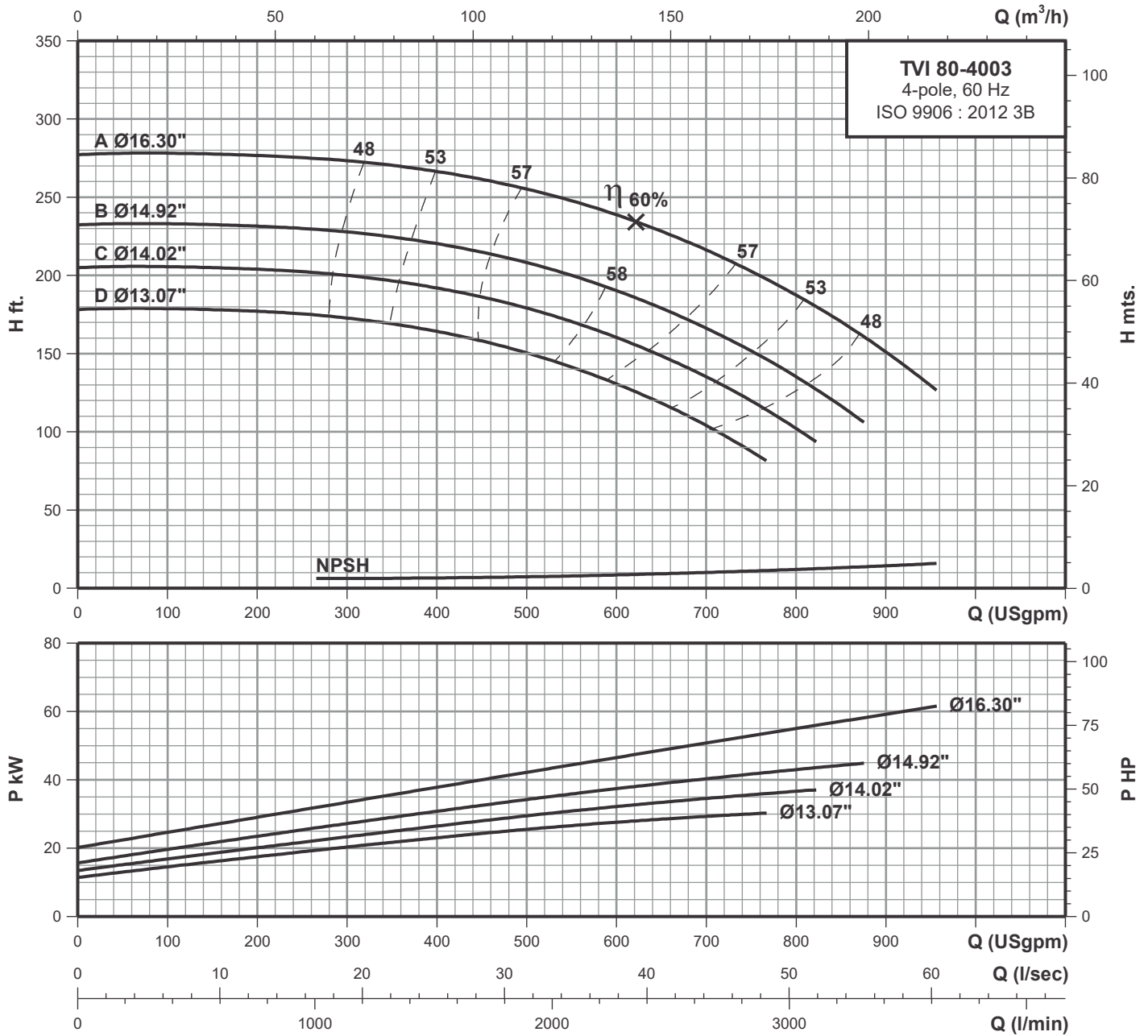
| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 40 | 50 | 60 | 75 |
| | [kW] | 30 | 37 | 45 | 55 |
| Frame | | 324JM | 326JM | 364JM | 365JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 3 | 3 | 3 | 3 |
| | [mm] | 80 | 80 | 80 | 80 |
| H1 | [inch] | 7.48 | 7.48 | 7.48 | 7.48 |
| | [mm] | 190 | 190 | 190 | 190 |
| H2 | [inch] | 5.55 | 5.55 | 5.55 | 5.55 |
| | [mm] | 141 | 141 | 141 | 141 |
| H3 | [inch] | 40.12 | 40.12 | 40.59 | 41.57 |
| | [mm] | 1019 | 1019 | 1031 | 1056 |
| L1 | [inch] | 29.92 | 29.92 | 29.92 | 29.92 |
| | [mm] | 760 | 760 | 760 | 760 |
| C5 | [inch] | 15.94 | 15.94 | 15.94 | 15.94 |
| | [mm] | 405 | 405 | 405 | 405 |
| G1 | [inch] | 10 | 10 | 10 | 10 |
| | [mm] | 254 | 254 | 254 | 254 |
| G2 | [inch] | 10.87 | 10.87 | 10.87 | 10.87 |
| | [mm] | 276 | 276 | 276 | 276 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 14.02 |
| | [mm] | 356 | 356 | 356 | 356 |
| AC | [inch] | 15.43 | 15.43 | 16.5 | 16.5 |
| | [mm] | 392 | 392 | 419 | 419 |
| AD | [inch] | 12.05 | 12.05 | 12.91 | 12.91 |
| | [mm] | 306 | 306 | 328 | 328 |
| Net weight | [lbs] | 871 | 919 | 1012 | 1113 |
| | [kg] | 395 | 417 | 459 | 505 |
| Gross weight | [lbs] | 1122 | 1171 | 1263 | 1365 |
| | [kg] | 509 | 531 | 573 | 619 |
| Volume | [ft ³] | 44.08 | 44.08 | 44.08 | 44.08 |
| | [m ³] | 1.248 | 1.248 | 1.248 | 1.248 |

Performance curves

TVI 80-4003

Close-coupled vertical in-line pumps

4-pole



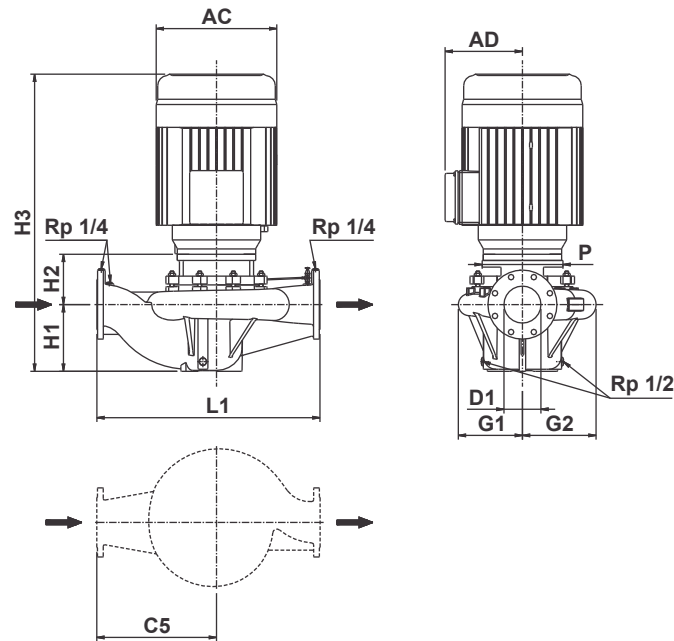
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 379 | 757 | 1136 | 1514 | 1893 | 2271 | 2650 | 3028 | 3407 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
| TVI 80-4003D | 40.0 | 30.0 | H ft. | 178.4 | 177.1 | 172.9 | 164.3 | 150.7 | 131 | 104 | - | - |
| TVI 80-4003C | 50.0 | 37.0 | | 205.5 | 203.7 | 200 | 192.5 | 179.7 | 160.6 | 135.3 | 102.7 | - |
| TVI 80-4003B | 60.0 | 45.0 | | 233.1 | 231.3 | 227.6 | 220.3 | 208.5 | 190.8 | 166.8 | 135.4 | - |
| TVI 80-4003A | 75.0 | 55.0 | | 278 | 276.8 | 273.8 | 266.4 | 255.3 | 239.3 | 216.5 | 188.2 | 151.3 |

Technical data

Close-coupled vertical in-line pumps

TVI 100-2003 4-pole

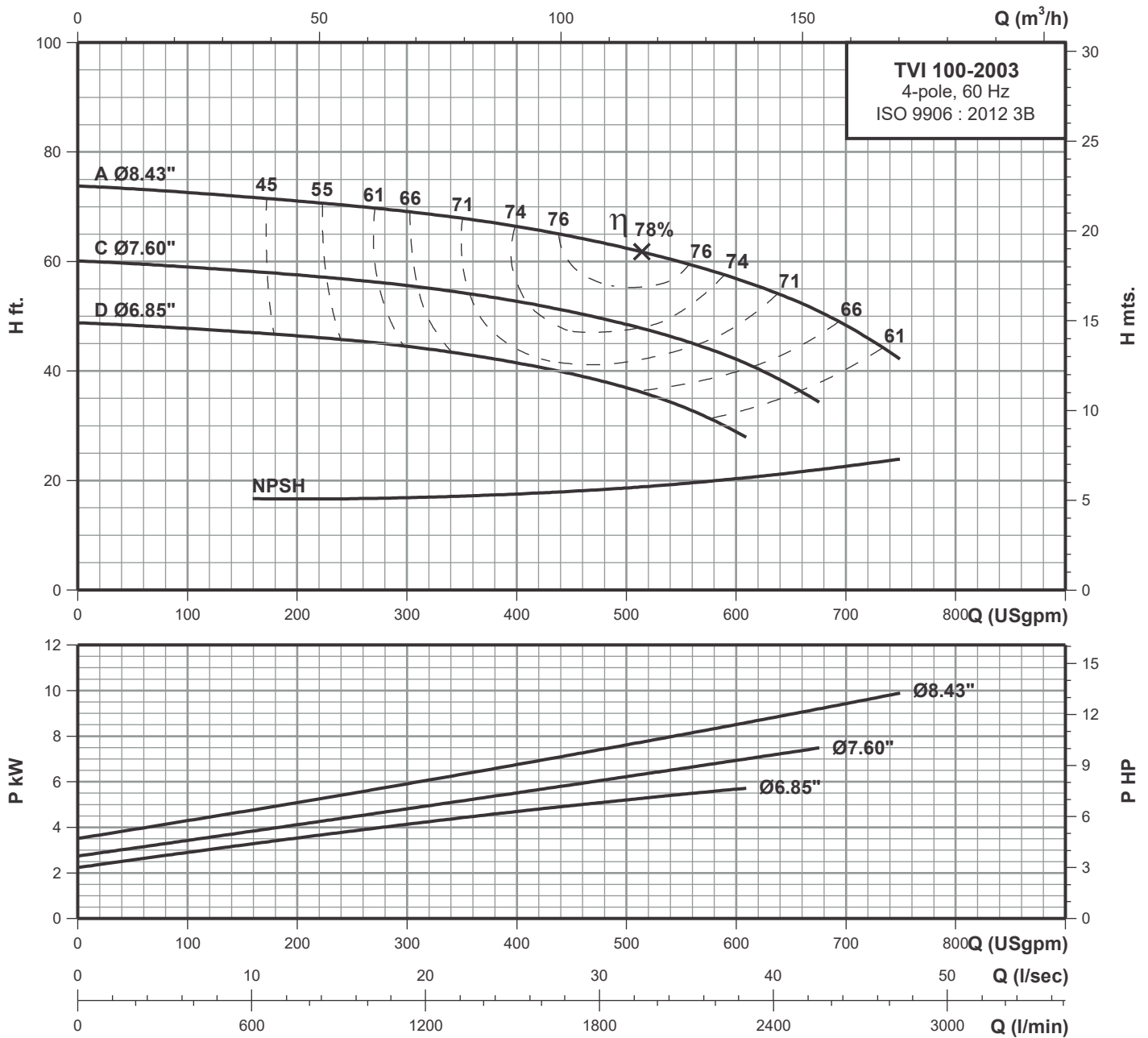


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 7.5 | 10 | 15 |
| | [kW] | 5.5 | 7.5 | 11 |
| Frame | | 213JM | 215JM | 254JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | A |
| D1 | [inch] | 4 | 4 | 4 |
| | [mm] | 100 | 100 | 100 |
| H1 | [inch] | 7.48 | 7.48 | 7.48 |
| | [mm] | 190 | 190 | 190 |
| H2 | [inch] | 4.76 | 4.76 | 5.35 |
| | [mm] | 121 | 121 | 136 |
| H3 | [inch] | 27.17 | 28.66 | 32.01 |
| | [mm] | 690 | 728 | 813 |
| L1 | [inch] | 24.41 | 24.41 | 24.41 |
| | [mm] | 620 | 620 | 620 |
| C5 | [inch] | 13.39 | 13.39 | 13.39 |
| | [mm] | 340 | 340 | 340 |
| G1 | [inch] | 8.03 | 8.03 | 8.03 |
| | [mm] | 204 | 204 | 204 |
| G2 | [inch] | 8.94 | 8.94 | 8.94 |
| | [mm] | 227 | 227 | 227 |
| P | [inch] | 8.86 | 8.86 | 10 |
| | [mm] | 225 | 225 | 254 |
| AC | [inch] | 10.24 | 10.24 | 11.93 |
| | [mm] | 260 | 260 | 303 |
| AD | [inch] | 7.4 | 7.4 | 9.49 |
| | [mm] | 188 | 188 | 241 |
| Net weight | [lbs] | 311 | 337 | 419 |
| | [kg] | 141 | 153 | 190 |
| Gross weight | [lbs] | 461 | 487 | 580 |
| | [kg] | 209 | 221 | 263 |
| Volume | [ft ³] | 19.12 | 19.12 | 21.46 |
| | [m ³] | 0.542 | 0.542 | 0.608 |

Performance curves

TVI 100-2003 4-pole

Close-coupled vertical in-line pumps



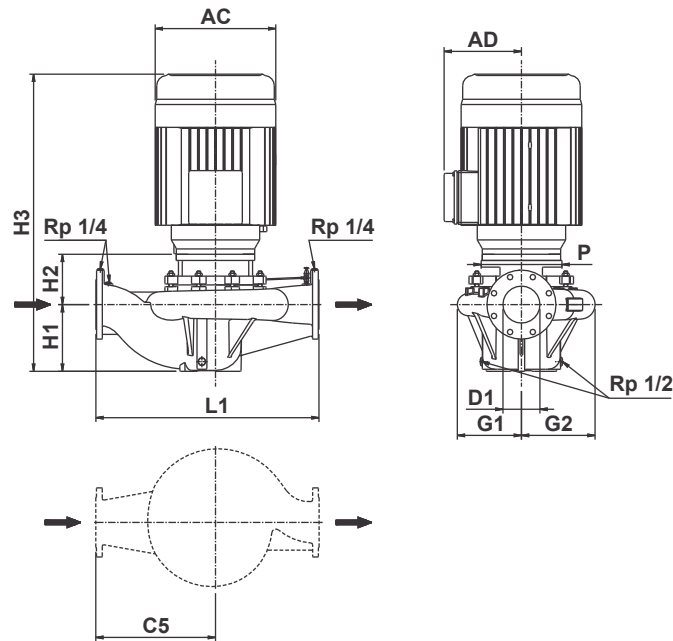
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 379 | 757 | 1136 | 1514 | 1893 | 2271 | 2650 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|
| | HP | kW | | 100 | 200 | 300 | 400 | 500 | 600 | 700 |
| TVI 100-2003D | 7.50 | 5.50 | H ft. | 47.7 | 46.4 | 44.4 | 41.4 | 36.8 | 28.9 | - |
| TVI 100-2003C | 10.0 | 7.50 | | 59 | 57.6 | 55.6 | 52.6 | 48.5 | 42.1 | - |
| TVI 100-2003A | 15.0 | 11.0 | | 72.6 | 71 | 69.1 | 64.5 | 62.5 | 56.9 | 48.3 |

Technical data

Close-coupled vertical in-line pumps

TVI 100-2503 4-pole

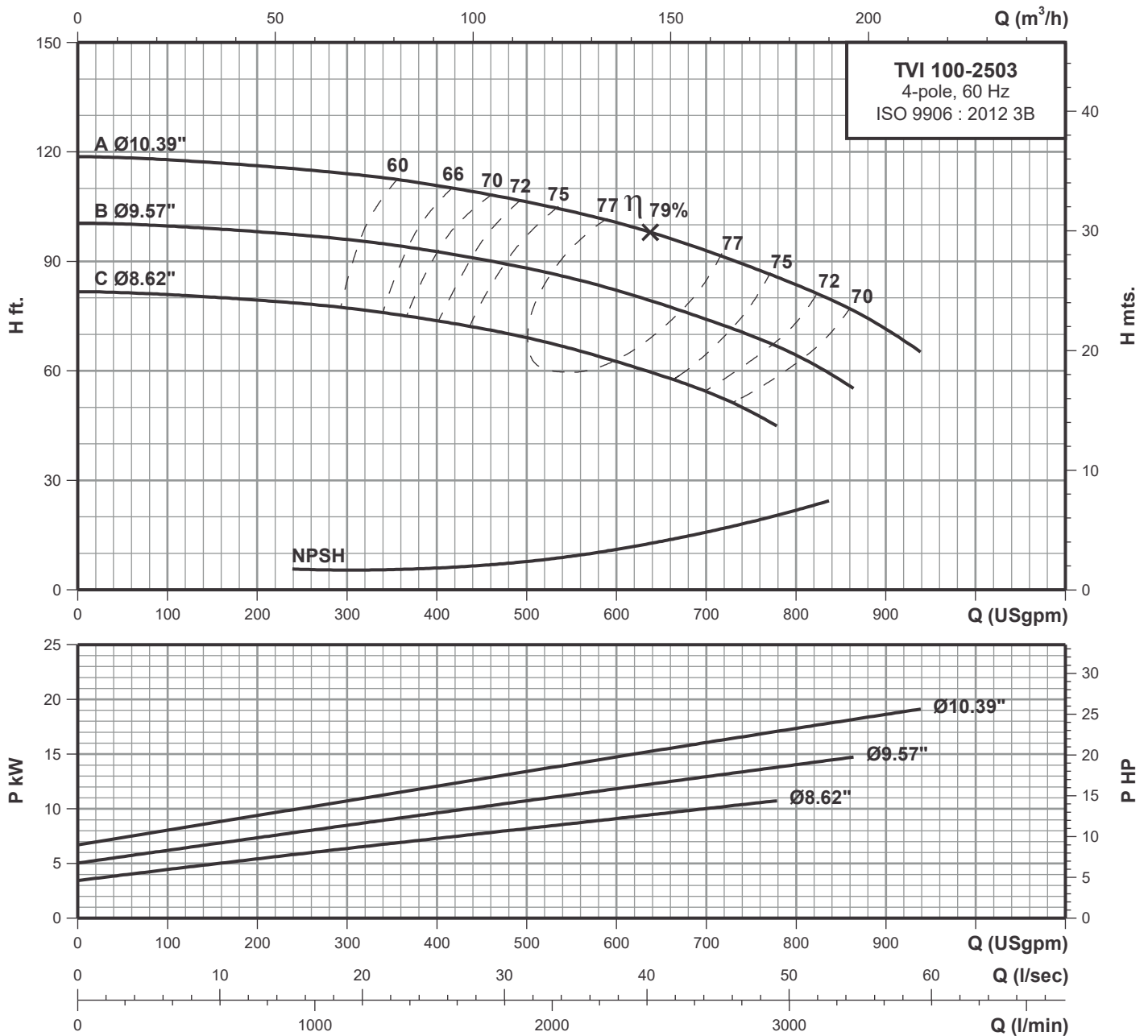


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 15 | 20 | 25 |
| | [kW] | 11 | 15 | 18.5 |
| Frame | | 254JM | 256JM | 284JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 4 | 4 | 4 |
| | [mm] | 100 | 100 | 100 |
| H1 | [inch] | 8.07 | 8.07 | 8.07 |
| | [mm] | 205 | 205 | 205 |
| H2 | [inch] | 5.39 | 5.39 | 5.43 |
| | [mm] | 137 | 137 | 138 |
| H3 | [inch] | 32.64 | 34.29 | 37.2 |
| | [mm] | 829 | 871 | 945 |
| L1 | [inch] | 26.02 | 26.02 | 26.02 |
| | [mm] | 661 | 661 | 661 |
| C5 | [inch] | 15 | 15 | 15 |
| | [mm] | 381 | 381 | 381 |
| G1 | [inch] | 7.28 | 7.28 | 7.28 |
| | [mm] | 185 | 185 | 185 |
| G2 | [inch] | 8.43 | 8.43 | 8.43 |
| | [mm] | 214 | 214 | 214 |
| P | [inch] | 10 | 10 | 14.02 |
| | [mm] | 254 | 254 | 356 |
| AC | [inch] | 11.93 | 11.93 | 14.02 |
| | [mm] | 303 | 303 | 356 |
| AD | [inch] | 9.49 | 9.49 | 11.57 |
| | [mm] | 241 | 241 | 294 |
| Net weight | [lbs] | 454 | 500 | 661 |
| | [kg] | 206 | 227 | 300 |
| Gross weight | [lbs] | 615 | 661 | 855 |
| | [kg] | 279 | 300 | 388 |
| Volume | [ft ³] | 21.46 | 21.46 | 28.97 |
| | [m ³] | 0.608 | 0.608 | 0.820 |

Performance curves

TVI 100-2503 4-pole

Close-coupled vertical in-line pumps



Performance data at n=1750 rpm

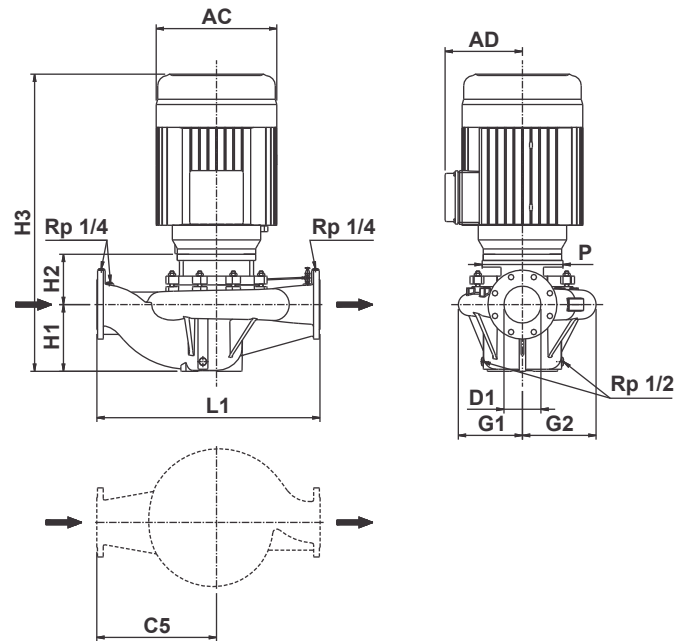
| Model | Power | | l/min USgpm | 379 | 757 | 1136 | 1514 | 1893 | 2271 | 2650 | 3028 | 3407 |
|---------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|------|------|------|
| | HP | kW | | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
| TVI 100-2503C | 15.0 | 11.0 | H ft. | 80.9 | 79.4 | 77.3 | 73.7 | 69.2 | 62.5 | 54.2 | - | - |
| TVI 100-2503B | 20.0 | 15.0 | | 99.6 | 98 | 96 | 92.6 | 88.2 | 82 | 74.2 | 64.1 | - |
| TVI 100-2503A | 25.0 | 18.5 | | 117.8 | 116.2 | 114.1 | 110.7 | 106.4 | 100.7 | 92.9 | 83.5 | 71.6 |

Technical data

Close-coupled vertical in-line pumps

TVI 100-3153

4-pole

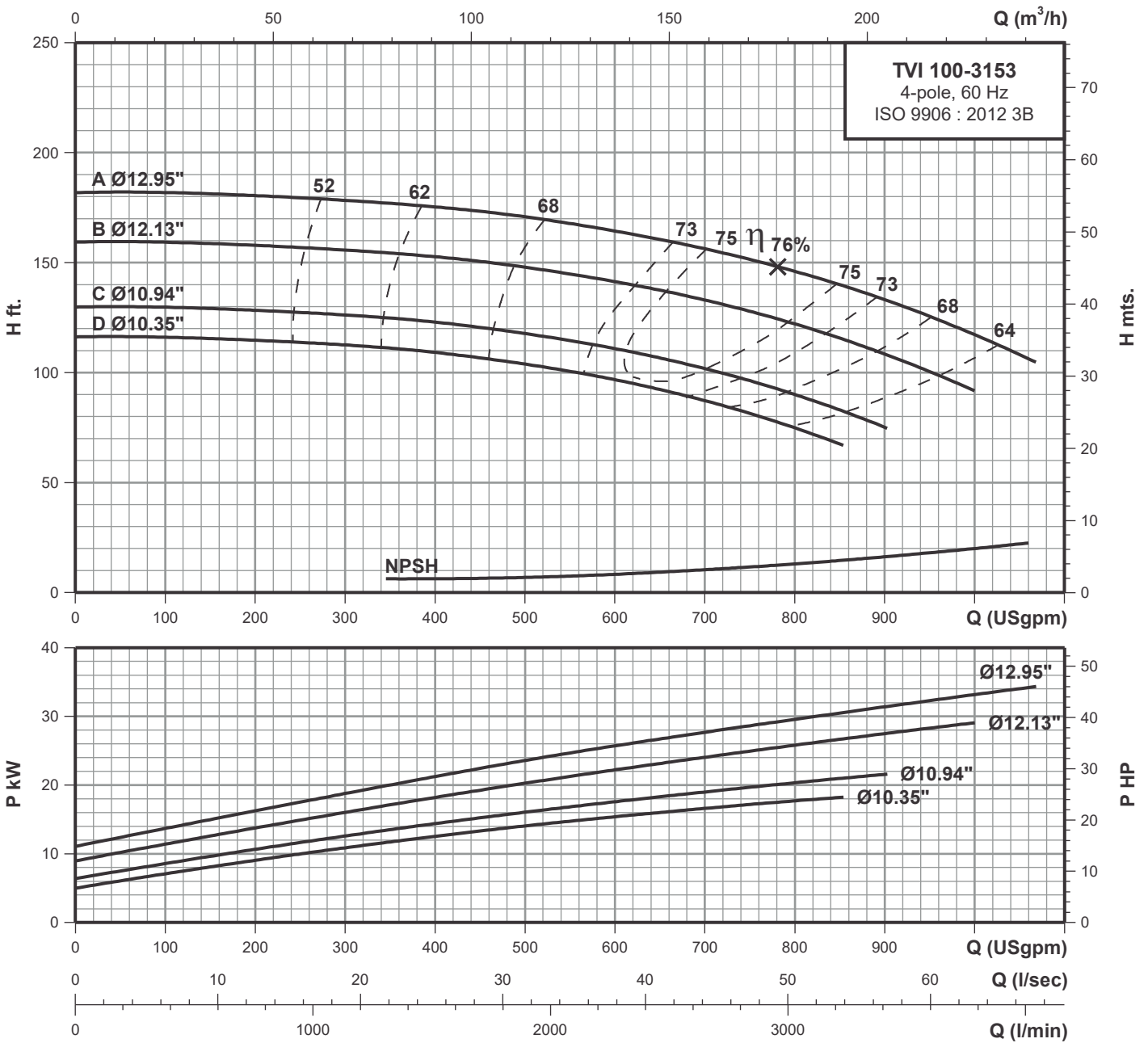


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 25 | 30 | 40 | 50 |
| | [kW] | 18.5 | 22 | 30 | 37 |
| Frame | | 284JM | 286JM | 324JM | 326JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 4 | 4 | 4 | 4 |
| | [mm] | 100 | 100 | 100 | 100 |
| H1 | [inch] | 8.27 | 8.27 | 8.27 | 8.27 |
| | [mm] | 210 | 210 | 210 | 210 |
| H2 | [inch] | 5.39 | 5.39 | 5.16 | 5.16 |
| | [mm] | 137 | 137 | 131 | 131 |
| H3 | [inch] | 37.36 | 38.9 | 40.51 | 40.51 |
| | [mm] | 949 | 988 | 1029 | 1029 |
| L1 | [inch] | 27.36 | 27.36 | 27.36 | 27.36 |
| | [mm] | 695 | 695 | 695 | 695 |
| C5 | [inch] | 14.96 | 14.96 | 14.96 | 14.96 |
| | [mm] | 380 | 380 | 380 | 380 |
| G1 | [inch] | 8.46 | 8.46 | 8.46 | 8.46 |
| | [mm] | 215 | 215 | 215 | 215 |
| G2 | [inch] | 9.57 | 9.57 | 9.57 | 9.57 |
| | [mm] | 243 | 243 | 243 | 243 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 14.02 |
| | [mm] | 356 | 356 | 356 | 356 |
| AC | [inch] | 14.02 | 14.02 | 15.43 | 15.43 |
| | [mm] | 356 | 356 | 392 | 392 |
| AD | [inch] | 11.57 | 11.57 | 12.05 | 12.05 |
| | [mm] | 294 | 294 | 306 | 306 |
| Net weight | [lbs] | 690 | 725 | 836 | 884 |
| | [kg] | 313 | 329 | 379 | 401 |
| Gross weight | [lbs] | 884 | 919 | 1030 | 1078 |
| | [kg] | 401 | 417 | 467 | 489 |
| Volume | [ft ³] | 28.97 | 28.97 | 28.97 | 28.97 |
| | [m ³] | 0.820 | 0.820 | 0.820 | 0.820 |

Performance curves

TVI 100-3153 4-pole

Close-coupled vertical in-line pumps



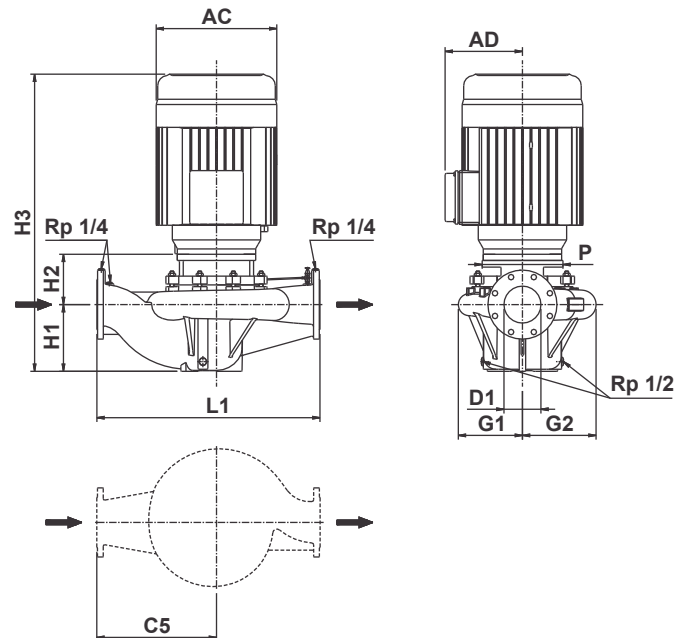
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 379 | 757 | 1136 | 1514 | 1893 | 2271 | 2650 | 3028 | 3407 | 3785 |
|---------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
| TVI 100-3153D | 25.0 | 18.5 | H ft. | 116 | 114.6 | 112.9 | 109.2 | 103.7 | 96.9 | 87.3 | 75 | - | - |
| TVI 100-3153C | 30.0 | 22.0 | | 129.7 | 128.3 | 126.1 | 122.9 | 117.9 | 111 | 101.9 | 90 | 75.4 | - |
| TVI 100-3153B | 40.0 | 30.0 | | 159.3 | 158 | 155.7 | 152.5 | 148 | 141.6 | 132.9 | 122.4 | 108.7 | 91.9 |
| TVI 100-3153A | 50.0 | 37.0 | | 181.7 | 180.4 | 178.6 | 175.3 | 170.8 | 164.4 | 156.2 | 146.1 | 133.4 | 117.4 |

Technical data

Close-coupled vertical in-line pumps

TVI 100-4003 4-pole

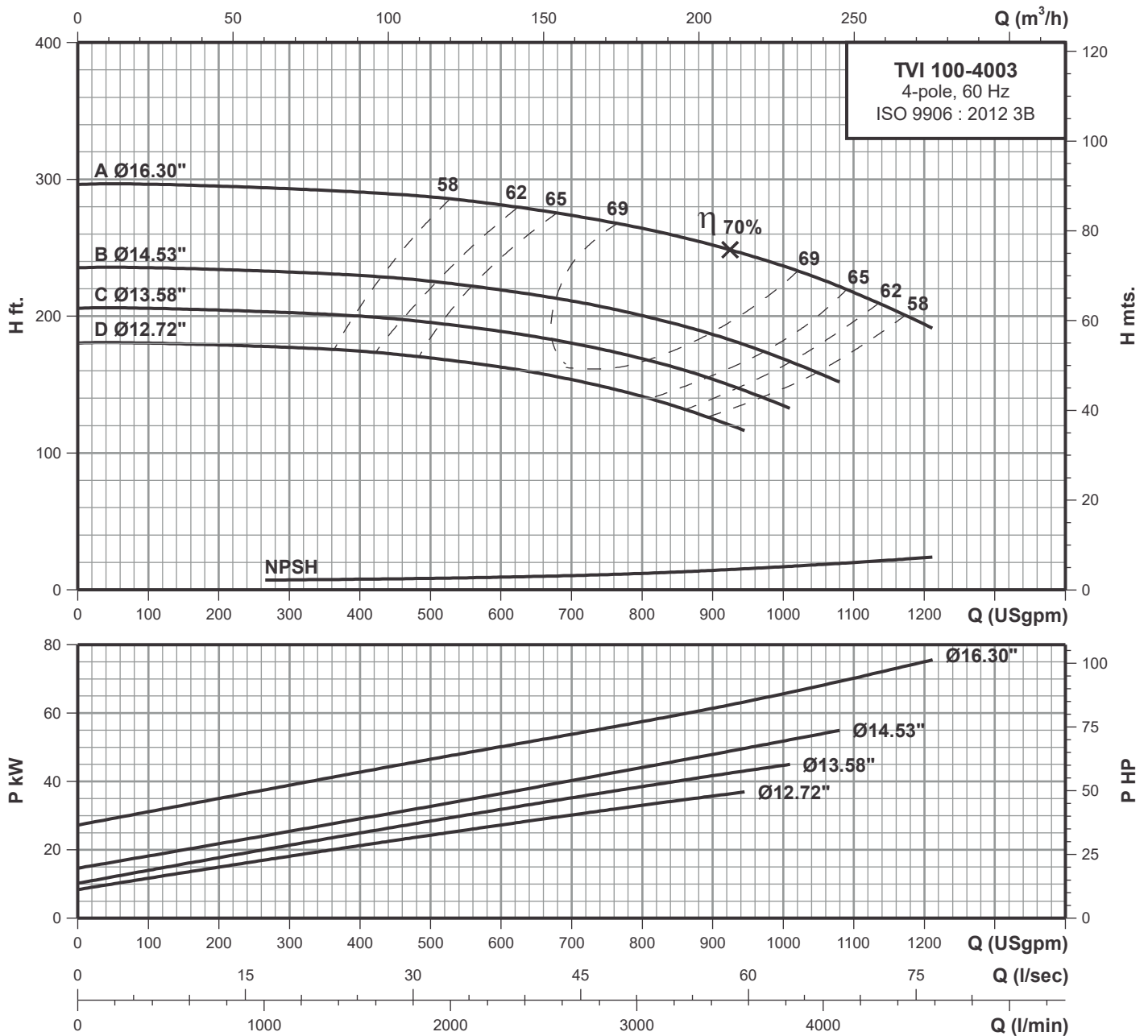


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 50 | 60 | 75 | 100 |
| | [kW] | 37 | 45 | 55 | 75 |
| Frame | | 326JM | 364JM | 365JM | 405TC |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 4 | 4 | 4 | 4 |
| | [mm] | 100 | 100 | 100 | 100 |
| H1 | [inch] | 8.46 | 8.46 | 8.46 | 8.46 |
| | [mm] | 215 | 215 | 215 | 215 |
| H2 | [inch] | 5.55 | 5.55 | 5.55 | 12.68 |
| | [mm] | 141 | 141 | 141 | 322 |
| H3 | [inch] | 41.1 | 41.57 | 42.56 | 52.36 |
| | [mm] | 1044 | 1056 | 1081 | 1330 |
| L1 | [inch] | 30.71 | 30.71 | 30.71 | 30.71 |
| | [mm] | 780 | 780 | 780 | 780 |
| C5 | [inch] | 16.73 | 16.73 | 16.73 | 16.73 |
| | [mm] | 425 | 425 | 425 | 425 |
| G1 | [inch] | 8.03 | 8.03 | 8.03 | 8.03 |
| | [mm] | 204 | 204 | 204 | 204 |
| G2 | [inch] | 8.94 | 8.94 | 8.94 | 8.94 |
| | [mm] | 227 | 227 | 227 | 227 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 15.51 |
| | [mm] | 356 | 356 | 356 | 394 |
| AC | [inch] | 15.43 | 16.5 | 16.5 | 19.17 |
| | [mm] | 392 | 419 | 419 | 487 |
| AD | [inch] | 12.05 | 12.91 | 12.91 | 16.3 |
| | [mm] | 306 | 328 | 328 | 414 |
| Net weight | [lbs] | 955 | 1047 | 1149 | 1596 |
| | [kg] | 433 | 475 | 521 | 724 |
| Gross weight | [lbs] | 1206 | 1299 | 1400 | 1847 |
| | [kg] | 547 | 589 | 635 | 838 |
| Volume | [ft ³] | 44.08 | 44.08 | 44.08 | 42.95 |
| | [m ³] | 1.248 | 1.248 | 1.248 | 1.216 |

Performance curves

TVI 100-4003 4-pole

Close-coupled vertical in-line pumps



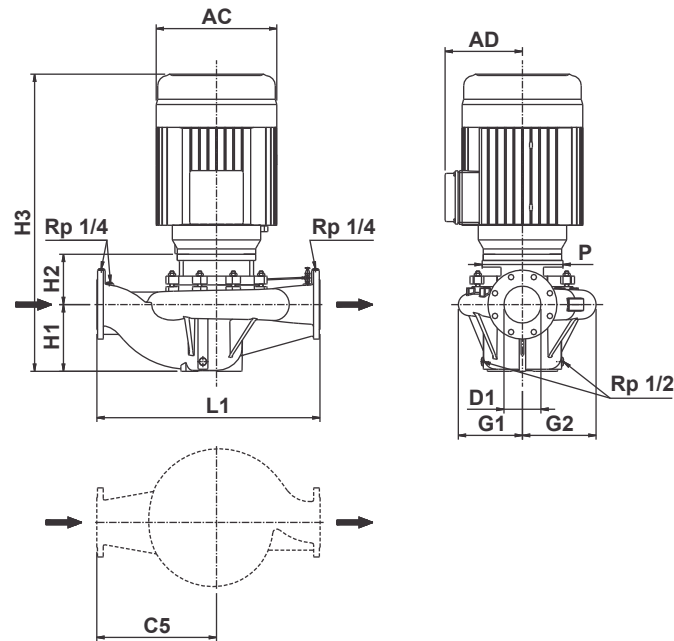
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 757 | 1136 | 1514 | 1893 | 2271 | 2650 | 3028 | 3407 | 3785 | 4164 | 4542 |
|---------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| | HP | kW | | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 |
| TVI 100-4003D | 50.0 | 37.0 | H ft. | 179 | 177 | 174.3 | 169.7 | 163.1 | 153.9 | 141.3 | 124.8 | - | - | - |
| TVI 100-4003C | 60.0 | 45.0 | | 204.1 | 202.8 | 200.1 | 195.4 | 188.8 | 180.3 | 169 | 154 | 134.7 | - | - |
| TVI 100-4003B | 75.0 | 55.0 | | 233.8 | 232.5 | 230 | 226 | 219.3 | 211.3 | 200.7 | 187 | 168.4 | - | - |
| TVI 100-4003A | 100.0 | 75.0 | | 295.2 | 293.3 | 290.7 | 287.3 | 281.4 | 274.1 | 264.2 | 252.3 | 237.1 | 218 | 194.1 |

Technical data

Close-coupled vertical in-line pumps

TVI 125-2003 4-pole

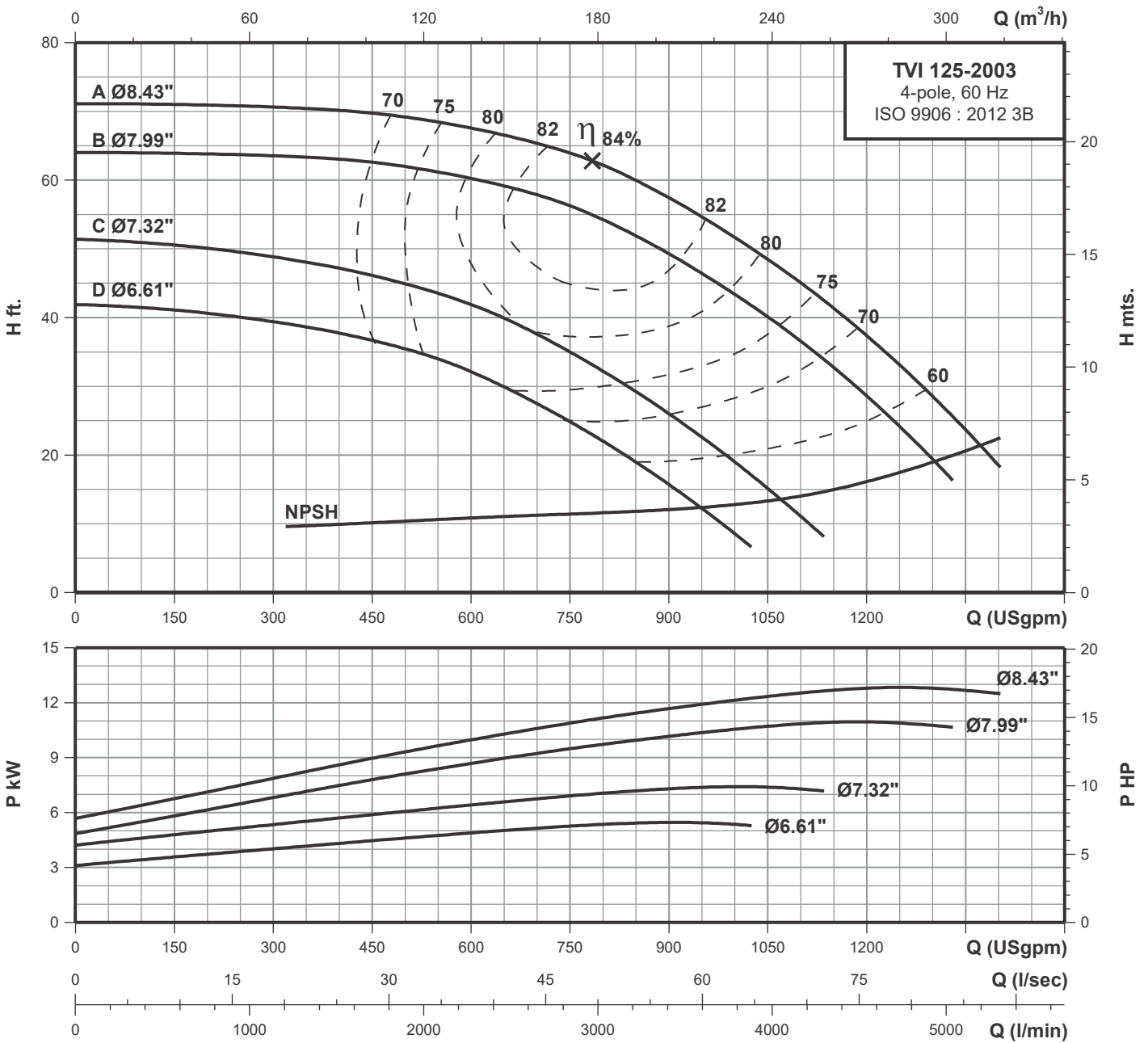


| | | | | | |
|----------------------------|--------------------|--------|-------|-------|-------|
| Power | [hp] | 7.5 | 10 | 15 | 20 |
| | [kW] | 5.5 | 7.5 | 11 | 15 |
| Frame | | 213JM | 215JM | 254JM | 256JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 5 | 5 | 5 | 5 |
| | [mm] | 125 | 125 | 125 | 125 |
| H1 | [inch] | 6.69 | 6.69 | 6.69 | 6.69 |
| | [mm] | 170 | 170 | 170 | 170 |
| H2 | [inch] | 4.61 | 4.61 | 5.39 | 5.39 |
| | [mm] | 117 | 117 | 137 | 137 |
| H3 | [inch] | 26.22 | 27.72 | 31.42 | 33.07 |
| | [mm] | 666 | 704 | 798 | 840 |
| L1 | [inch] | 26.77 | 26.77 | 26.77 | 26.77 |
| | [mm] | 680 | 680 | 680 | 680 |
| C5 | [inch] | 14.96 | 14.96 | 14.96 | 14.96 |
| | [mm] | 380 | 380 | 380 | 380 |
| G1 | [inch] | 7.01 | 7.01 | 7.01 | 7.01 |
| | [mm] | 178 | 178 | 178 | 178 |
| G2 | [inch] | 8.58 | 8.58 | 8.58 | 8.58 |
| | [mm] | 218 | 218 | 218 | 218 |
| P | [inch] | 8.86 | 8.86 | 10.00 | 10.00 |
| | [mm] | 225 | 225 | 254 | 254 |
| AC | [inch] | 10.24 | 10.24 | 11.93 | 11.93 |
| | [mm] | 260 | 260 | 303 | 303 |
| AD | [inch] | 7.40 | 7.40 | 9.49 | 9.49 |
| | [mm] | 188 | 188 | 241 | 241 |
| Net weight | [lbs] | 411.4 | 385 | 466 | 513 |
| | [kg] | 187 | 175 | 212 | 233 |
| Gross weight | [lbs] | 493.68 | 462 | 560 | 615 |
| | [kg] | 224 | 210 | 254 | 280 |
| Volume | [ft ³] | 14.86 | 15.56 | 17.27 | 18.03 |
| | [m ³] | 0.42 | 0.44 | 0.49 | 0.51 |

Performance curves

TVI 125-2003 4-pole

Close-coupled vertical in-line pumps



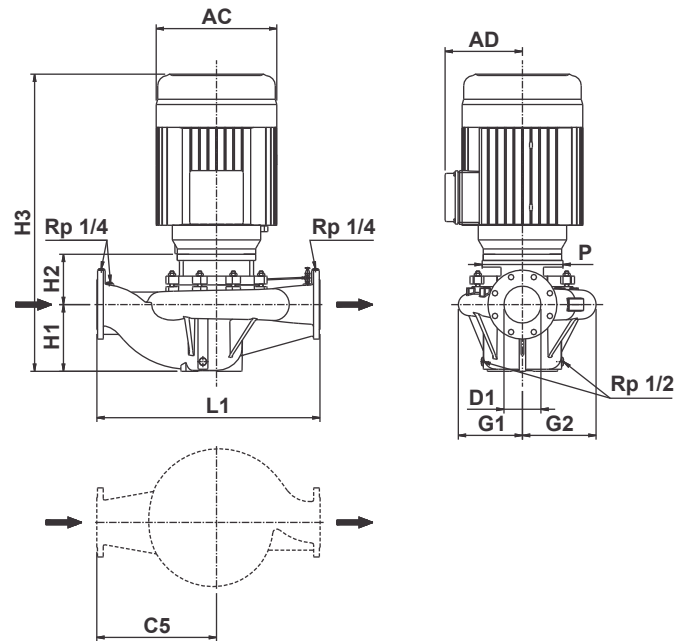
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 568 | 1136 | 1703 | 2271 | 2839 | 3407 | 3975 | 4542 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|------|
| | HP | kW | | 150 | 300 | 450 | 600 | 750 | 900 | 1050 | 1200 |
| TVI 125-2003D | 7.50 | 5.50 | H ft. | 41.1 | 39.5 | 36.7 | 32.2 | 24.9 | 15.8 | - | - |
| TVI 125-2003C | 10.0 | 7.50 | | 50.6 | 48.8 | 46 | 41.9 | 35 | 26.1 | 15.2 | - |
| TVI 125-2003B | 15.0 | 11.0 | | 63.8 | 63.6 | 62.6 | 60.3 | 56.3 | 49.4 | 40.3 | 28.7 |
| TVI 125-2003A | 20.0 | 15.0 | | 70.9 | 70.5 | 69.8 | 67.6 | 63.8 | 57.5 | 48.4 | 37.1 |

Technical data

Close-coupled vertical in-line pumps

TVI 125-2503 4-pole

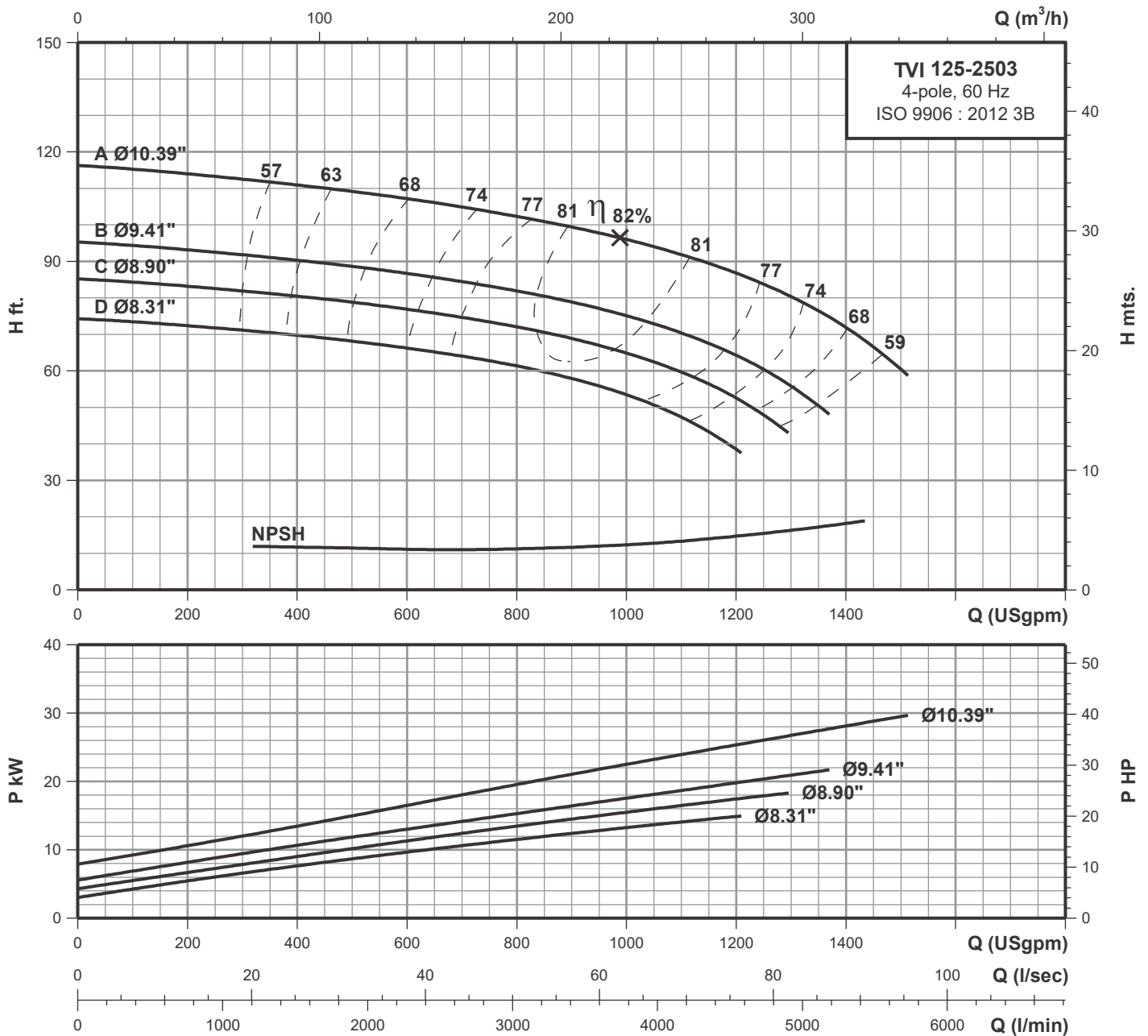


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 20 | 25 | 30 | 40 |
| | [kW] | 15 | 18.5 | 22 | 30 |
| Frame | | 256JM | 284JM | 286JM | 324JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 5 | 5 | 5 | 5 |
| | [mm] | 125 | 125 | 125 | 125 |
| H1 | [inch] | 9.25 | 9.25 | 9.25 | 9.25 |
| | [mm] | 235 | 235 | 235 | 235 |
| H2 | [inch] | 5.43 | 5.47 | 5.47 | 5.2 |
| | [mm] | 138 | 139 | 139 | 132 |
| H3 | [inch] | 35.51 | 38.43 | 39.96 | 41.54 |
| | [mm] | 902 | 976 | 1015 | 1055 |
| L1 | [inch] | 29.92 | 29.92 | 29.92 | 29.92 |
| | [mm] | 760 | 760 | 760 | 760 |
| C5 | [inch] | 15.94 | 15.94 | 15.94 | 15.94 |
| | [mm] | 405 | 405 | 405 | 405 |
| G1 | [inch] | 8.03 | 8.03 | 8.03 | 8.03 |
| | [mm] | 204 | 204 | 204 | 204 |
| G2 | [inch] | 8.94 | 8.94 | 8.94 | 8.94 |
| | [mm] | 227 | 227 | 227 | 227 |
| P | [inch] | 10 | 14.02 | 14.02 | 14.02 |
| | [mm] | 254 | 356 | 356 | 356 |
| AC | [inch] | 11.93 | 14.02 | 14.02 | 15.43 |
| | [mm] | 303 | 356 | 356 | 392 |
| AD | [inch] | 9.49 | 11.57 | 11.57 | 12.05 |
| | [mm] | 241 | 294 | 294 | 306 |
| Net weight | [lbs] | 611 | 772 | 807 | 917 |
| | [kg] | 277 | 350 | 366 | 416 |
| Gross weight | [lbs] | 807 | 983 | 1058 | 1168 |
| | [kg] | 366 | 446 | 480 | 530 |
| Volume | [ft ³] | 28.32 | 32.6 | 44.08 | 44.08 |
| | [m ³] | 0.802 | 0.923 | 1.248 | 1.248 |

Performance curves

TVI 125-2503 4-pole

Close-coupled vertical in-line pumps



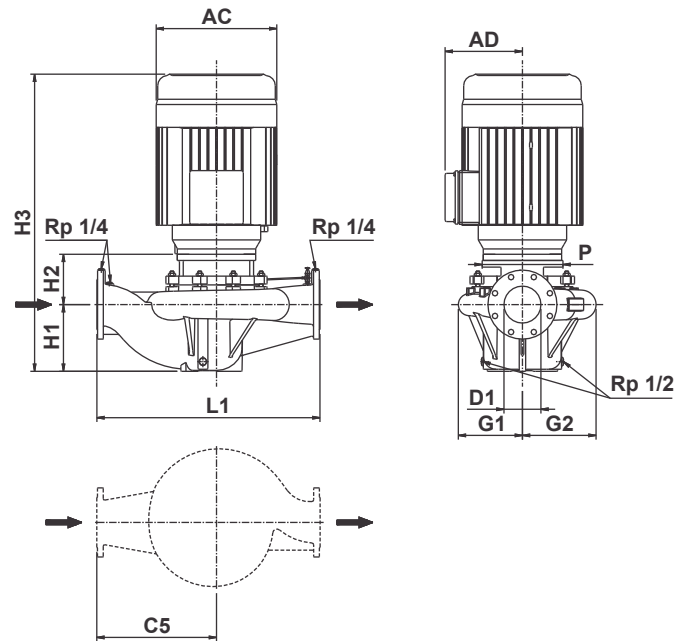
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 1514 | 2271 | 2650 | 3028 | 3407 | 3785 | 4164 | 4542 | 4921 | 5300 | 5678 |
|---------------|-------|------|----------------|------|-------|------|-------|------|------|------|------|------|------|------|
| | HP | kW | | 400 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 |
| TVI 125-2503D | 20.0 | 15.0 | H ft. | 69.7 | 66.3 | 64.1 | 61.3 | 58.1 | 53.4 | 47.4 | 38.6 | - | - | - |
| TVI 125-2503C | 25.0 | 18.5 | | 80.4 | 77 | 74.8 | 72.3 | 68.8 | 64.7 | 59.7 | 52.4 | - | - | - |
| TVI 125-2503B | 30.0 | 22.0 | | 90.2 | 86.8 | 84.6 | 82.1 | 78.9 | 75.1 | 70.7 | 64.1 | 55.6 | - | - |
| TVI 125-2503A | 40.0 | 30.0 | | 111 | 107.2 | 105 | 102.1 | 99.7 | 96.2 | 92.1 | 86.7 | 80.5 | 71.9 | 60.6 |

Technical data

Close-coupled vertical in-line pumps

TVI 125-3153 4-pole

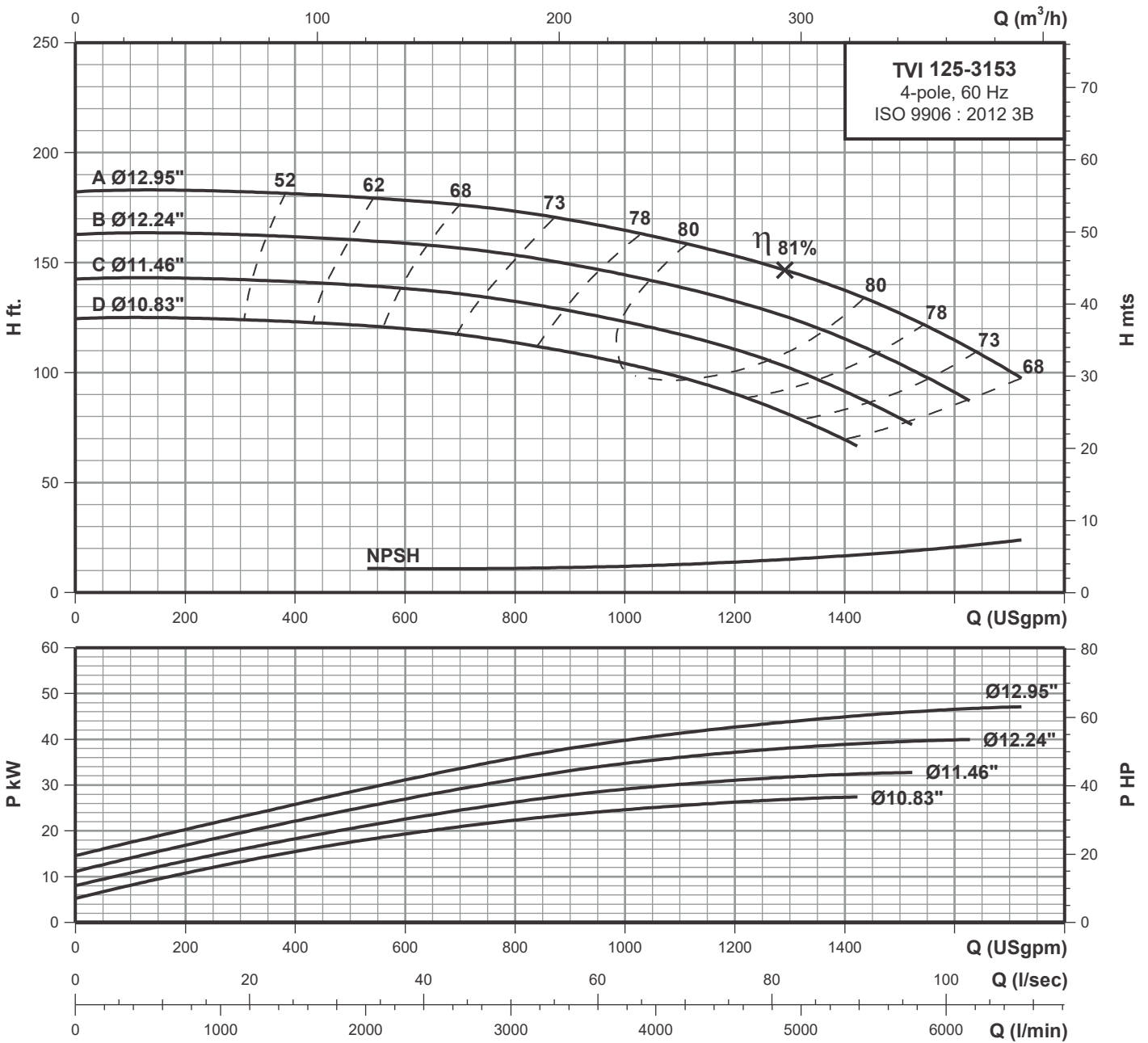


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 40 | 50 | 60 | 75 |
| | [kW] | 30 | 37 | 45 | 55 |
| Frame | | 324JM | 326JM | 364JM | 365JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 5 | 5 | 5 | 5 |
| | [mm] | 125 | 125 | 125 | 125 |
| H1 | [inch] | 8.66 | 8.66 | 8.66 | 8.66 |
| | [mm] | 220 | 220 | 220 | 220 |
| H2 | [inch] | 5.55 | 5.55 | 5.55 | 5.55 |
| | [mm] | 141 | 141 | 141 | 141 |
| H3 | [inch] | 41.3 | 41.3 | 41.77 | 42.76 |
| | [mm] | 1049 | 1049 | 1061 | 1086 |
| L1 | [inch] | 30.51 | 30.51 | 30.51 | 30.51 |
| | [mm] | 775 | 775 | 775 | 775 |
| C5 | [inch] | 16.54 | 16.54 | 16.54 | 16.54 |
| | [mm] | 420 | 420 | 420 | 420 |
| G1 | [inch] | 8.94 | 8.94 | 8.94 | 8.94 |
| | [mm] | 227 | 227 | 227 | 227 |
| G2 | [inch] | 10.35 | 10.35 | 10.35 | 10.35 |
| | [mm] | 263 | 263 | 263 | 263 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 14.02 |
| | [mm] | 356 | 356 | 356 | 356 |
| AC | [inch] | 15.43 | 15.43 | 16.5 | 16.5 |
| | [mm] | 392 | 392 | 419 | 419 |
| AD | [inch] | 12.05 | 12.05 | 12.91 | 12.91 |
| | [mm] | 306 | 306 | 328 | 328 |
| Net weight | [lbs] | 908 | 957 | 1049 | 1151 |
| | [kg] | 412 | 434 | 476 | 522 |
| Gross weight | [lbs] | 1160 | 1208 | 1301 | 1402 |
| | [kg] | 526 | 548 | 590 | 636 |
| Volume | [ft ³] | 44.08 | 44.08 | 44.08 | 44.08 |
| | [m ³] | 1.248 | 1.248 | 1.248 | 1.248 |

Performance curves

TVI 125-3153 4-pole

Close-coupled vertical in-line pumps



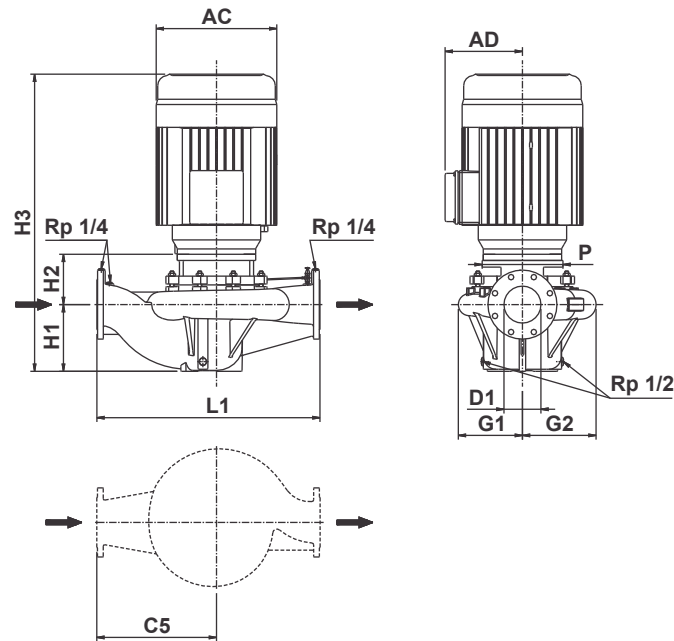
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 757 | 1514 | 2271 | 3028 | 3785 | 4542 | 5300 | 6057 |
|---------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 200 | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 |
| TVI 125-3153D | 40.0 | 30.0 | H ft. | 124.7 | 123.1 | 120.2 | 113.7 | 104.1 | 90 | 69.4 | - |
| TVI 125-3153C | 50.0 | 37.0 | | 142.7 | 141.2 | 138.2 | 132.2 | 123.2 | 110.6 | 91.5 | - |
| TVI 125-3153B | 60.0 | 45.0 | | 163.3 | 161.8 | 158.8 | 153.2 | 144.7 | 132.7 | 115.6 | 91 |
| TVI 125-3153A | 75.0 | 55.0 | | 182.8 | 181.4 | 178.3 | 173.3 | 164.8 | 153.2 | 138.2 | 115.2 |

Technical data

Close-coupled vertical in-line pumps

TVI 125-4003 4-pole

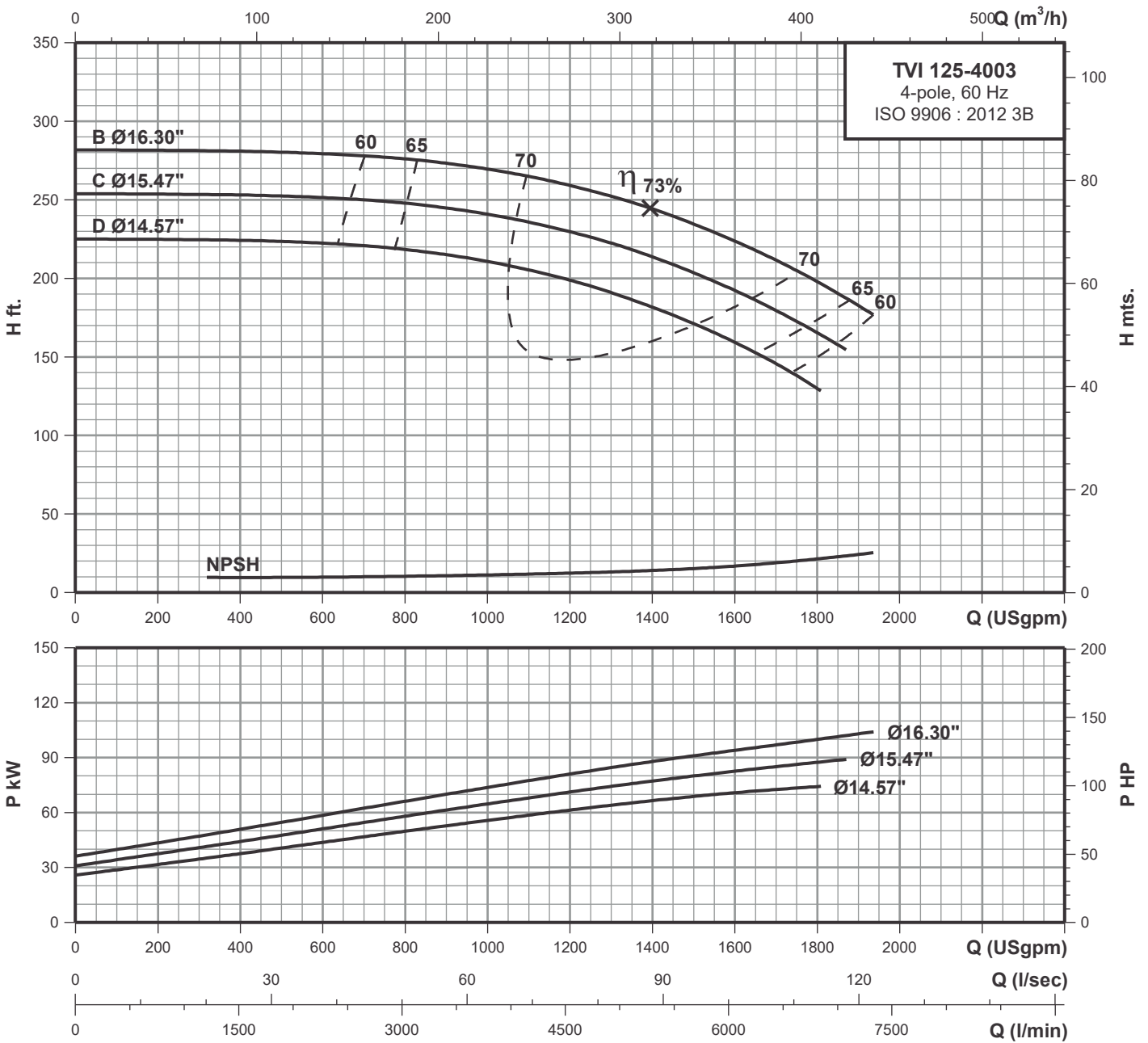


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 100 | 125 | 150 |
| | [kW] | 75 | 90 | 110 |
| Frame | | 405TC | 444TC | 445TC |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B |
| D1 | [inch] | 5 | 5 | 5 |
| | [mm] | 125 | 125 | 125 |
| H1 | [inch] | 9.65 | 9.65 | 9.65 |
| | [mm] | 245 | 245 | 245 |
| H2 | [inch] | 12.68 | 13.9 | 13.9 |
| | [mm] | 322 | 353 | 353 |
| H3 | [inch] | 53.54 | 57.8 | 57.8 |
| | [mm] | 1360 | 1468 | 1468 |
| L1 | [inch] | 34.45 | 34.45 | 34.45 |
| | [mm] | 875 | 875 | 875 |
| C5 | [inch] | 18.7 | 18.7 | 18.7 |
| | [mm] | 475 | 475 | 475 |
| G1 | [inch] | 10.47 | 10.47 | 10.47 |
| | [mm] | 266 | 266 | 266 |
| G2 | [inch] | 11.77 | 11.77 | 11.77 |
| | [mm] | 299 | 299 | 299 |
| P | [inch] | 15.51 | 17.91 | 17.91 |
| | [mm] | 394 | 455 | 455 |
| AC | [inch] | 19.17 | 21.34 | 21.34 |
| | [mm] | 487 | 542 | 542 |
| AD | [inch] | 16.3 | 17.52 | 17.52 |
| | [mm] | 414 | 445 | 445 |
| Net weight | [lbs] | 1678 | 2019 | 2403 |
| | [kg] | 761 | 916 | 1090 |
| Gross weight | [lbs] | 2002 | 2343 | 2727 |
| | [kg] | 908 | 1063 | 1237 |
| Volume | [ft ³] | 63.55 | 63.55 | 63.55 |
| | [m ³] | 1.800 | 1.800 | 1.800 |

Performance curves

TVI 125-4003 4-pole

Close-coupled vertical in-line pumps



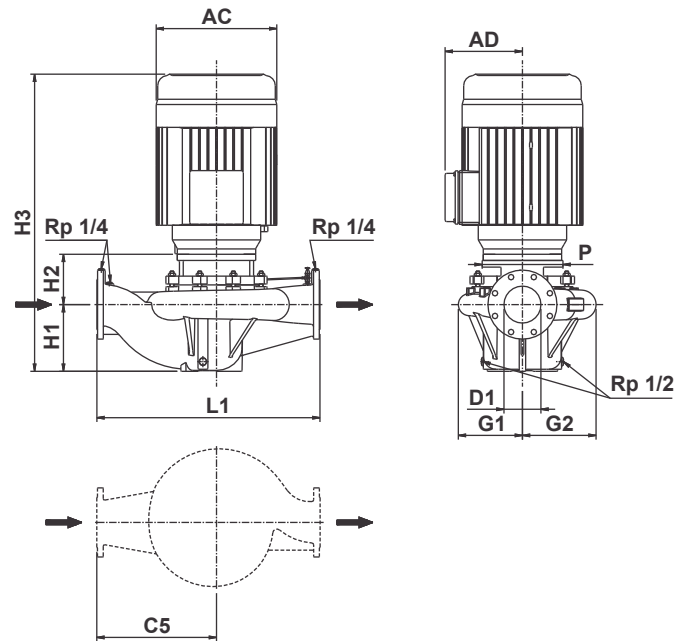
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 757 | 1514 | 2271 | 3028 | 3785 | 4542 | 5300 | 6057 | 6814 |
|---------------|-------|-------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 200 | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 |
| TVI 125-4003D | 100.0 | 75.0 | H ft. | 224.6 | 223.8 | 222.3 | 218.4 | 210.6 | 199 | 181.9 | 159.3 | 129.7 |
| TVI 125-4003C | 125.0 | 90.0 | | 253.4 | 252.6 | 251 | 248 | 241 | 229.3 | 213.8 | 192.7 | 165.5 |
| TVI 125-4003B | 150.0 | 110.0 | | 281.4 | 280.7 | 279 | 276 | 269.8 | 259.6 | 244 | 223.8 | 197.4 |

Technical data

Close-coupled vertical in-line pumps

TVI 150-2003 4-pole



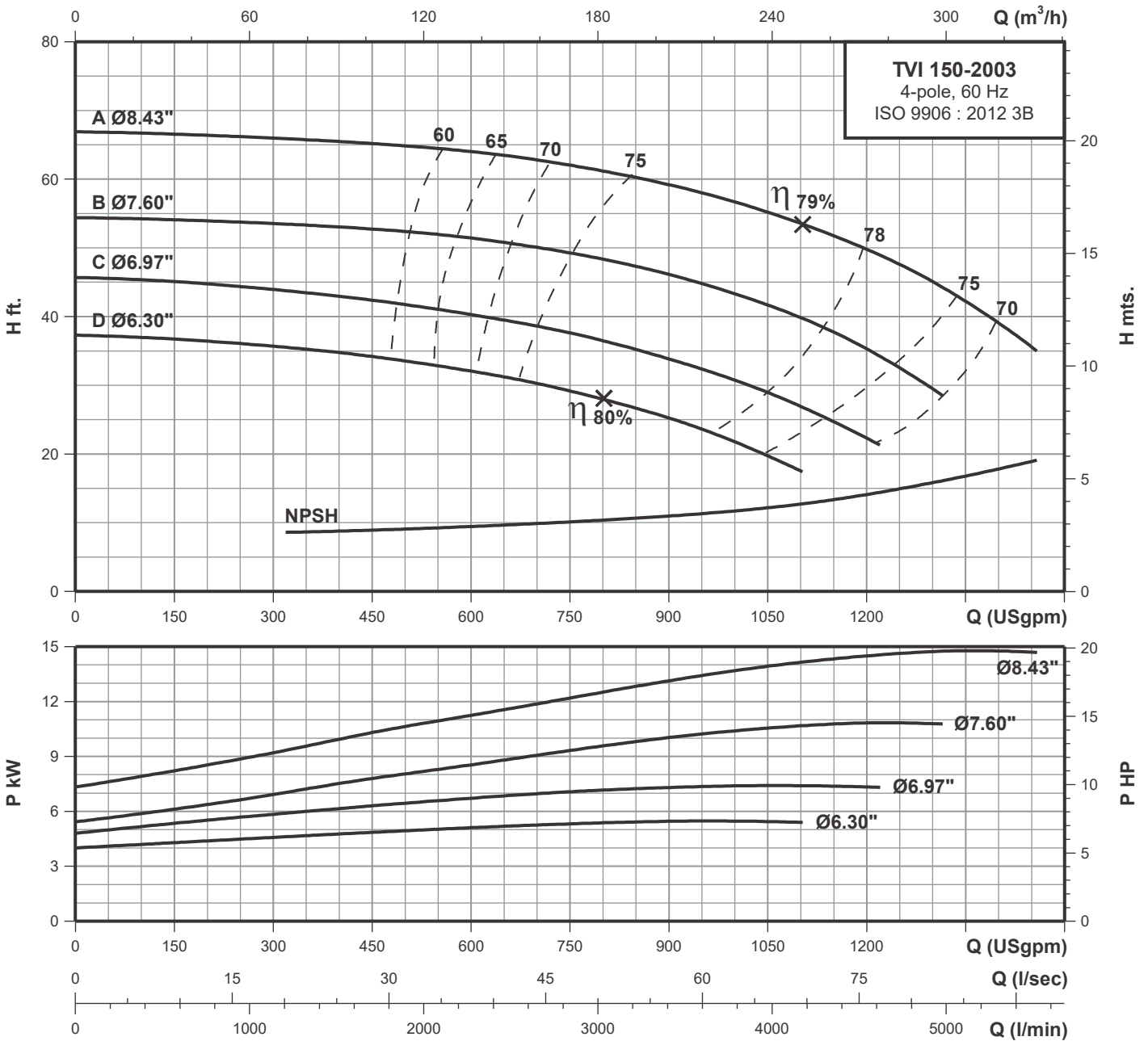
| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 7.5 | 10 | 15 | 20 |
| | [kW] | 5.5 | 7.5 | 11 | 15 |
| Frame | | 213JM | 215JM | 254JM | 256JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 6 | 6 | 6 | 6 |
| | [mm] | 150 | 150 | 150 | 150 |
| H1 | [inch] | 8.35 | 8.35 | 8.35 | 8.35 |
| | [mm] | 212 | 212 | 212 | 212 |
| H2 | [inch] | 4.76 | 4.76 | 5.55 | 5.55 |
| | [mm] | 121 | 121 | 141 | 141 |
| H3 | [inch] | 27.87 | 29.37 | 32.91 | 34.57 |
| | [mm] | 708 | 746 | 836 | 878 |
| L1 | [inch] | 29.33 | 29.33 | 29.33 | 29.33 |
| | [mm] | 745 | 745 | 745 | 745 |
| C5 | [inch] | 16.54 | 16.54 | 16.54 | 16.54 |
| | [mm] | 420 | 420 | 420 | 420 |
| G1 | [inch] | 7.52 | 7.52 | 7.52 | 7.52 |
| | [mm] | 191 | 191 | 191 | 191 |
| G2 | [inch] | 9.57 | 9.57 | 9.57 | 9.57 |
| | [mm] | 243 | 243 | 243 | 243 |
| P | [inch] | 8.86 | 8.86 | 10.00 | 10.00 |
| | [mm] | 225 | 225 | 254 | 254 |
| AC | [inch] | 10.24 | 10.24 | 11.93 | 11.93 |
| | [mm] | 260 | 260 | 303 | 303 |
| AD | [inch] | 7.40 | 7.40 | 9.49 | 9.49 |
| | [mm] | 188 | 188 | 241 | 241 |
| Net weight | [lbs] | 405 | 431 | 513 | 559 |
| | [kg] | 184 | 196 | 233 | 254 |
| Gross weight | [lbs] | 486 | 517 | 615 | 671 |
| | [kg] | 221 | 235 | 280 | 305 |
| Volume | [ft ³] | 17.88 | 18.68 | 20.55 | 21.43 |
| | [m ³] | 0.51 | 0.53 | 0.58 | 0.61 |

Performance curves

TVI 150-2003

Close-coupled vertical in-line pumps

4-pole



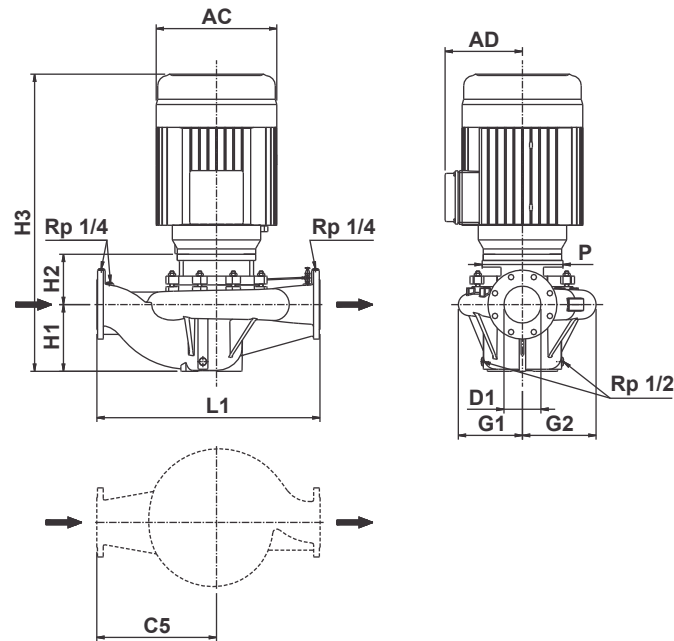
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 568 | 1136 | 1703 | 2271 | 2839 | 3407 | 3975 | 4542 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|------|
| | HP | kW | | 150 | 300 | 450 | 600 | 750 | 900 | 1050 | 1200 |
| TVI 150-2003D | 7.50 | 5.50 | H ft. | 36.7 | 35.7 | 34.2 | 32 | 29.1 | 25.3 | 19.9 | - |
| TVI 150-2003C | 10.0 | 7.50 | | 45.1 | 44 | 42.4 | 40.2 | 37.7 | 33.9 | 29 | 22.2 |
| TVI 150-2003B | 15.0 | 11.0 | | 54 | 53.4 | 52.7 | 51.5 | 49.3 | 46.2 | 41.7 | 35.3 |
| TVI 150-2003A | 20.0 | 15.0 | | 66.5 | 66 | 65.2 | 64 | 62 | 59.2 | 55.2 | 49.8 |

Technical data

Close-coupled vertical in-line pumps

TVI 150-2503 4-pole

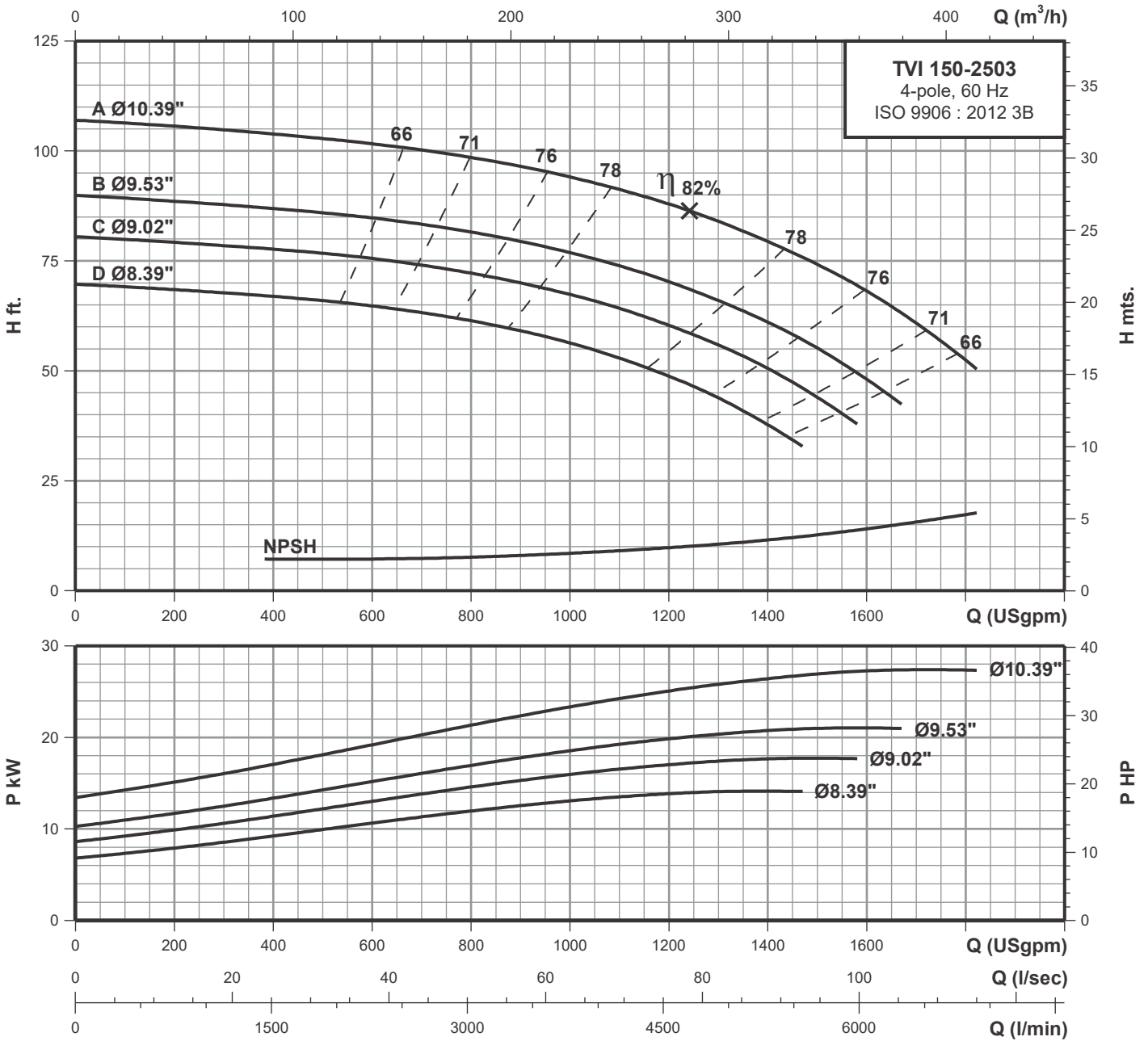


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 20 | 25 | 30 | 40 |
| | [kW] | 15 | 18.5 | 22 | 30 |
| Frame | | 256JM | 284JM | 286JM | 324JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 6 | 6 | 6 | 6 |
| | [mm] | 150 | 150 | 150 | 150 |
| H1 | [inch] | 8.31 | 8.31 | 8.31 | 8.31 |
| | [mm] | 211 | 211 | 211 | 211 |
| H2 | [inch] | 4.80 | 5.59 | 5.59 | 5.59 |
| | [mm] | 122 | 142 | 142 | 142 |
| H3 | [inch] | 29.53 | 33.07 | 34.72 | 37.60 |
| | [mm] | 750 | 840 | 882 | 955 |
| L1 | [inch] | 30.91 | 30.91 | 30.91 | 30.91 |
| | [mm] | 785 | 785 | 785 | 785 |
| C5 | [inch] | 17.13 | 17.13 | 17.13 | 17.13 |
| | [mm] | 435 | 435 | 435 | 435 |
| G1 | [inch] | 8.11 | 8.11 | 8.11 | 8.11 |
| | [mm] | 206 | 206 | 206 | 206 |
| G2 | [inch] | 9.84 | 9.84 | 9.84 | 9.84 |
| | [mm] | 250 | 250 | 250 | 250 |
| P | [inch] | 10.00 | 14.02 | 14.02 | 14.02 |
| | [mm] | 254 | 356 | 356 | 356 |
| AC | [inch] | 11.93 | 14.02 | 14.02 | 15.43 |
| | [mm] | 303 | 356 | 356 | 392 |
| AD | [inch] | 9.49 | 11.57 | 11.57 | 12.05 |
| | [mm] | 241 | 294 | 294 | 306 |
| Net weight | [lbs] | 625 | 785 | 821 | 931 |
| | [kg] | 284 | 357 | 373 | 423 |
| Gross weight | [lbs] | 750 | 942 | 985 | 1117 |
| | [kg] | 341 | 428 | 448 | 508 |
| Volume | [ft ³] | 20.25 | 22.28 | 23.22 | 24.86 |
| | [m ³] | 0.57 | 0.63 | 0.66 | 0.70 |

Performance curves

TVI 150-2503 4-pole

Close-coupled vertical in-line pumps



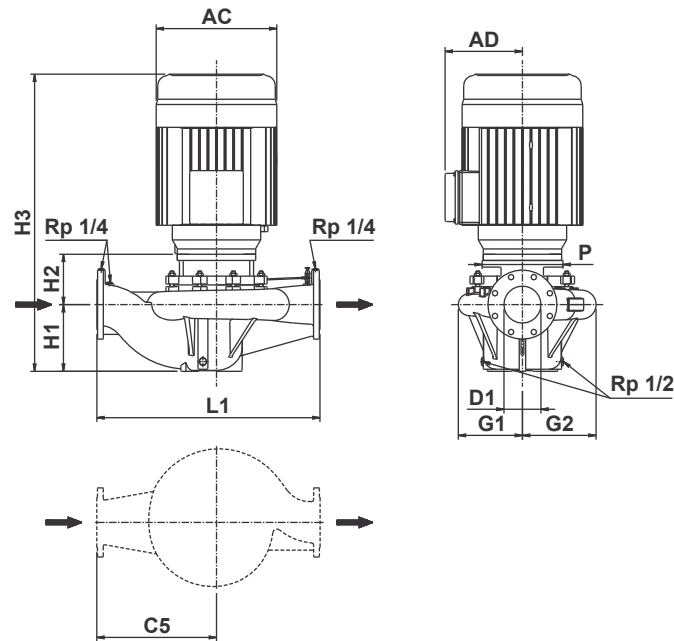
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 757 | 1514 | 2271 | 3028 | 3785 | 4542 | 5300 | 6057 | 6814 |
|---------------|-------|------|----------------|-------|------|-------|------|------|------|------|------|------|
| | HP | kW | | 200 | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 |
| TVI 150-2503D | 20.0 | 15.0 | H ft. | 68.4 | 66.8 | 64.7 | 61.3 | 56.1 | 48.7 | 37.5 | - | - |
| TVI 150-2503C | 25.0 | 18.5 | | 79.1 | 77.5 | 75.5 | 72 | 67.1 | 60.4 | 50.6 | - | - |
| TVI 150-2503B | 30.0 | 22.0 | | 88.6 | 86.8 | 84.9 | 81.5 | 77 | 70.2 | 61 | 48.2 | - |
| TVI 150-2503A | 40.0 | 30.0 | | 105.4 | 104 | 101.7 | 98.4 | 94.1 | 88 | 79.4 | 68.4 | 52.5 |

Technical data

Close-coupled vertical in-line pumps

TVI 150-3153 4-pole

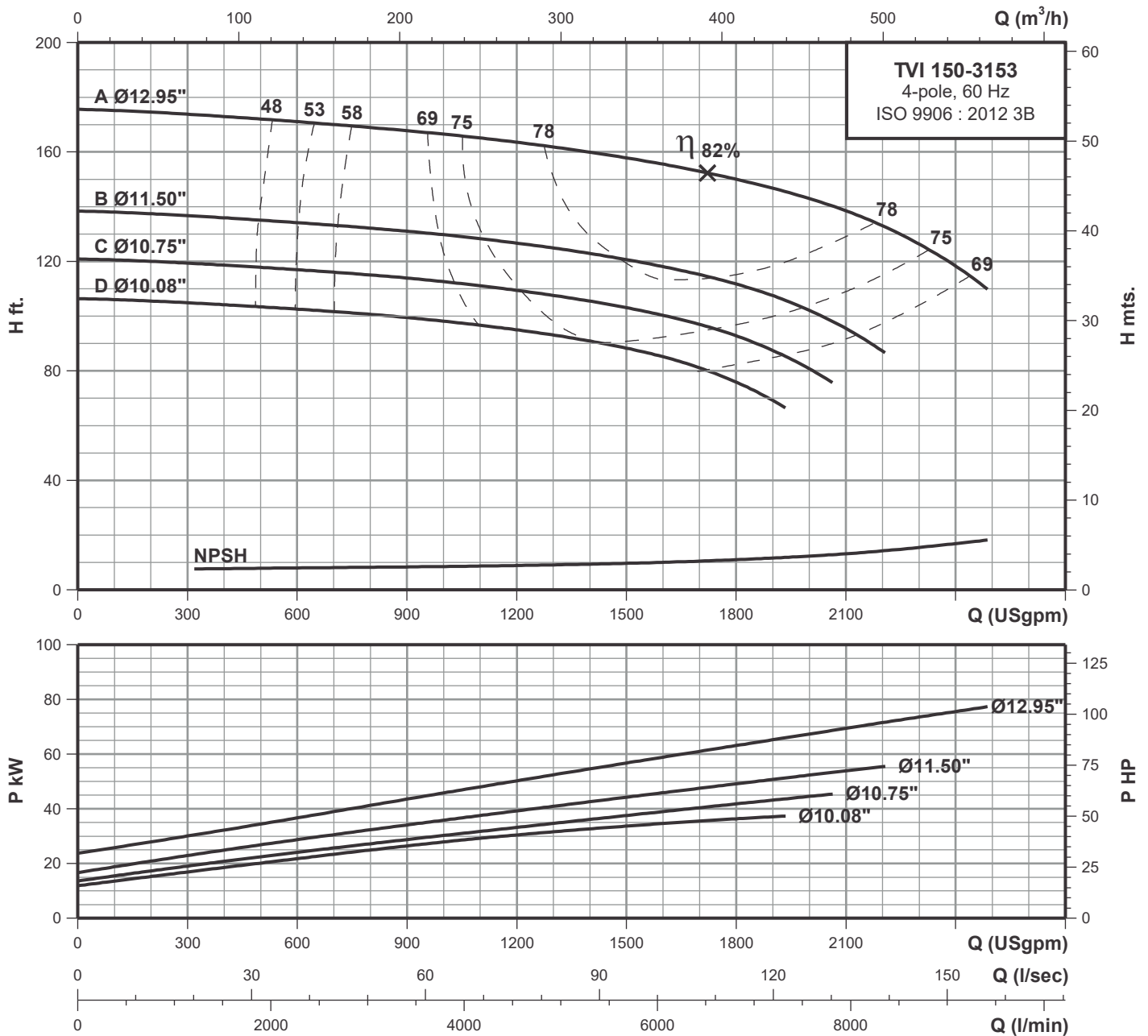


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 50 | 60 | 75 | 100 |
| | [kW] | 37 | 45 | 55 | 75 |
| Frame | | 326JM | 364JM | 365JM | 405TC |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 6 | 6 | 6 | 6 |
| | [mm] | 150 | 150 | 150 | 150 |
| H1 | [inch] | 10.24 | 10.24 | 10.24 | 10.24 |
| | [mm] | 260 | 260 | 260 | 260 |
| H2 | [inch] | 5.55 | 5.55 | 5.55 | 12.68 |
| | [mm] | 141 | 141 | 141 | 322 |
| H3 | [inch] | 42.87 | 43.35 | 44.33 | 54.13 |
| | [mm] | 1089 | 1101 | 1126 | 1375 |
| L1 | [inch] | 33.46 | 33.46 | 33.46 | 33.46 |
| | [mm] | 850 | 850 | 850 | 850 |
| C5 | [inch] | 17.72 | 17.72 | 17.72 | 17.72 |
| | [mm] | 450 | 450 | 450 | 450 |
| G1 | [inch] | 9.53 | 9.53 | 9.53 | 9.53 |
| | [mm] | 242 | 242 | 242 | 242 |
| G2 | [inch] | 11.34 | 11.34 | 11.34 | 11.34 |
| | [mm] | 288 | 288 | 288 | 288 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 15.51 |
| | [mm] | 356 | 356 | 356 | 394 |
| AC | [inch] | 15.43 | 16.5 | 16.5 | 19.17 |
| | [mm] | 392 | 419 | 419 | 487 |
| AD | [inch] | 12.05 | 12.91 | 12.91 | 16.3 |
| | [mm] | 306 | 328 | 328 | 414 |
| Net weight | [lbs] | 1071 | 1164 | 1265 | 1698 |
| | [kg] | 486 | 528 | 574 | 770 |
| Gross weight | [lbs] | 1323 | 1415 | 1517 | 2022 |
| | [kg] | 600 | 642 | 688 | 917 |
| Volume | [ft ³] | 44.08 | 44.08 | 44.08 | 63.55 |
| | [m ³] | 1.248 | 1.248 | 1.248 | 1.800 |

Performance curves

TVI 150-3153 4-pole

Close-coupled vertical in-line pumps



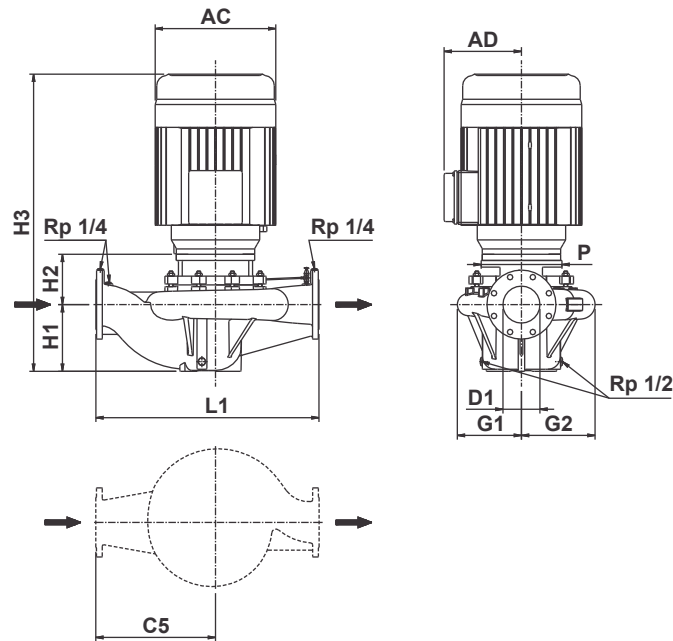
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 1136 | 2271 | 3407 | 4542 | 5678 | 6814 | 7949 | 9085 |
|---------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 300 | 600 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 |
| TVI 150-3153D | 50.0 | 37.0 | H ft. | 104.8 | 102.4 | 99.3 | 95.1 | 88.1 | 76.2 | - | - |
| TVI 150-3153C | 60.0 | 45.0 | | 119.4 | 117.1 | 114 | 109.4 | 103.2 | 92.8 | - | - |
| TVI 150-3153B | 75.0 | 55.0 | | 136.9 | 134.2 | 131.1 | 126.8 | 120.6 | 111.7 | 95.5 | - |
| TVI 150-3153A | 100.0 | 75.0 | | 173.6 | 171.3 | 167.8 | 163.5 | 158.2 | 150 | 138.8 | 118.3 |

Technical data

Close-coupled vertical in-line pumps

TVI 150-4003 4-pole

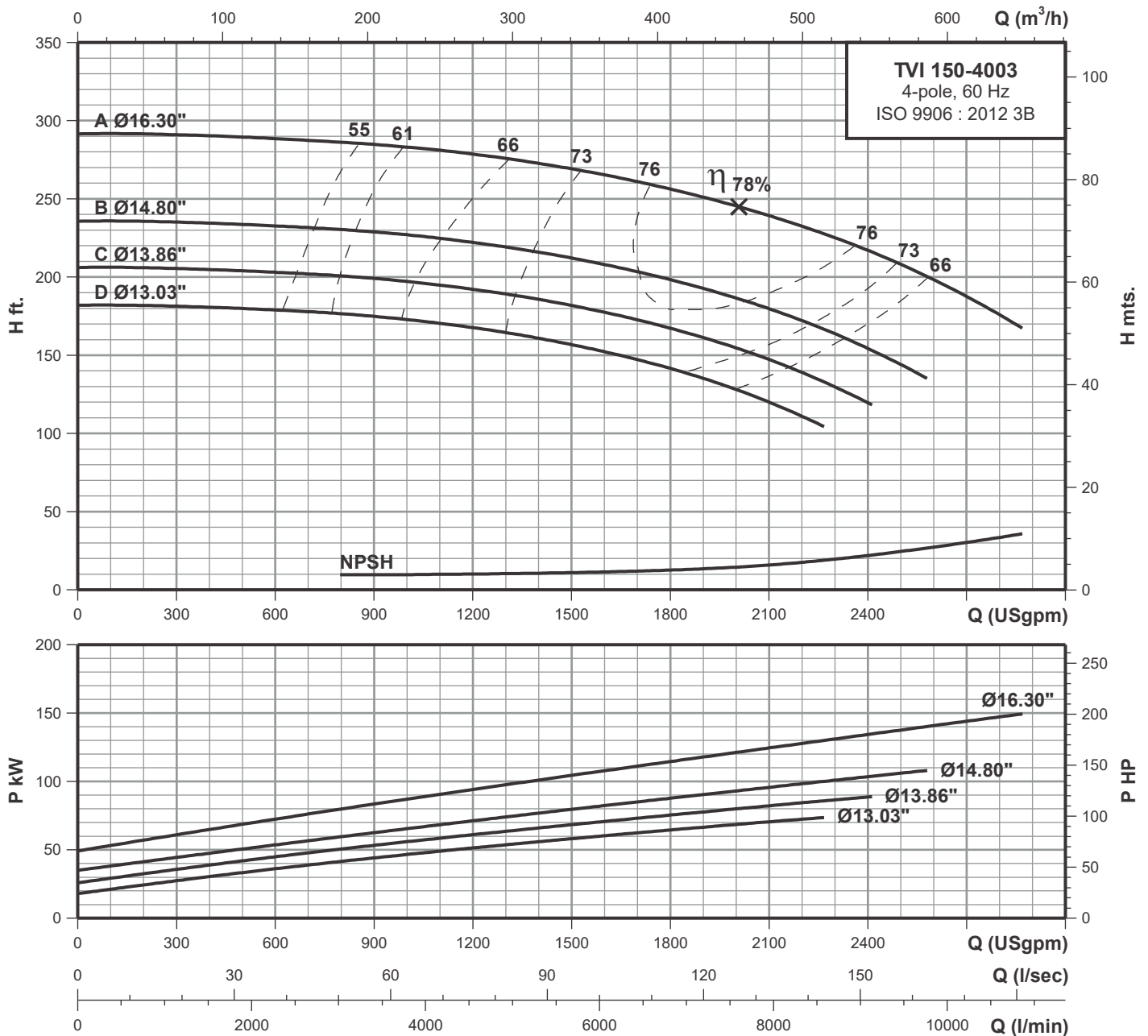


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 100 | 125 | 150 | 200 |
| | [kW] | 75 | 90 | 110 | 150 |
| Frame | | 405TC | 444TC | 445TC | 505TC |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 6 | 6 | 6 | 6 |
| | [mm] | 150 | 150 | 150 | 150 |
| H1 | [inch] | 11.42 | 11.42 | 11.42 | 11.42 |
| | [mm] | 290 | 290 | 290 | 290 |
| H2 | [inch] | 12.68 | 13.9 | 13.9 | 16.02 |
| | [mm] | 322 | 353 | 353 | 407 |
| H3 | [inch] | 55.31 | 59.57 | 59.57 | 67.32 |
| | [mm] | 1405 | 1513 | 1513 | 1710 |
| L1 | [inch] | 38.19 | 38.19 | 38.19 | 38.19 |
| | [mm] | 970 | 970 | 970 | 970 |
| C5 | [inch] | 20.47 | 20.47 | 20.47 | 20.47 |
| | [mm] | 520 | 520 | 520 | 520 |
| G1 | [inch] | 10.94 | 10.94 | 10.94 | 10.94 |
| | [mm] | 278 | 278 | 278 | 278 |
| G2 | [inch] | 12.6 | 12.6 | 12.6 | 12.6 |
| | [mm] | 320 | 320 | 320 | 320 |
| P | [inch] | 15.51 | 17.91 | 17.91 | 17.91 |
| | [mm] | 394 | 455 | 455 | 455 |
| AC | [inch] | 19.17 | 21.34 | 21.34 | 24.02 |
| | [mm] | 487 | 542 | 542 | 610 |
| AD | [inch] | 16.3 | 17.52 | 17.52 | 20.28 |
| | [mm] | 414 | 445 | 445 | 515 |
| Net weight | [lbs] | 1757 | 2099 | 2482 | 2637 |
| | [kg] | 797 | 952 | 1126 | 1196 |
| Gross weight | [lbs] | 2081 | 2438 | 2822 | 3020 |
| | [kg] | 944 | 1106 | 1280 | 1370 |
| Volume | [ft ³] | 63.55 | 67.03 | 67.03 | 80.94 |
| | [m ³] | 1.800 | 1.898 | 1.898 | 2.292 |

Performance curves

TVI 150-4003 4-pole

Close-coupled vertical in-line pumps



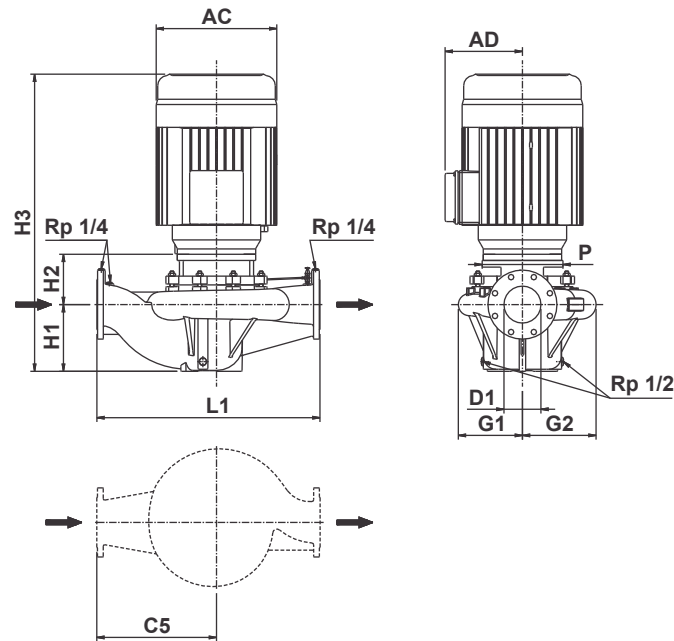
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 1136 | 2271 | 3407 | 4542 | 5678 | 6814 | 7949 | 9085 | 10221 |
|---------------|-------|-------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 300 | 600 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 | 2700 |
| TVI 150-4003D | 100.0 | 75.0 | H ft. | 181 | 179 | 175 | 167.7 | 156.9 | 141.4 | - | - | - |
| TVI 150-4003C | 125.0 | 90.0 | | 205.3 | 203.3 | 199.2 | 191.8 | 181.8 | 166.9 | 147.4 | 119.9 | - |
| TVI 150-4003B | 150.0 | 110.0 | | 234.8 | 232.9 | 228.8 | 222.1 | 212 | 198.6 | 179.7 | 154.8 | - |
| TVI 150-4003A | 200.0 | 150.0 | | 296.7 | 288.7 | 284.6 | 278.6 | 269.9 | 256.4 | 239.5 | 217.4 | 187.1 |

Technical data

Close-coupled vertical in-line pumps

TVI 200-2503 4-pole



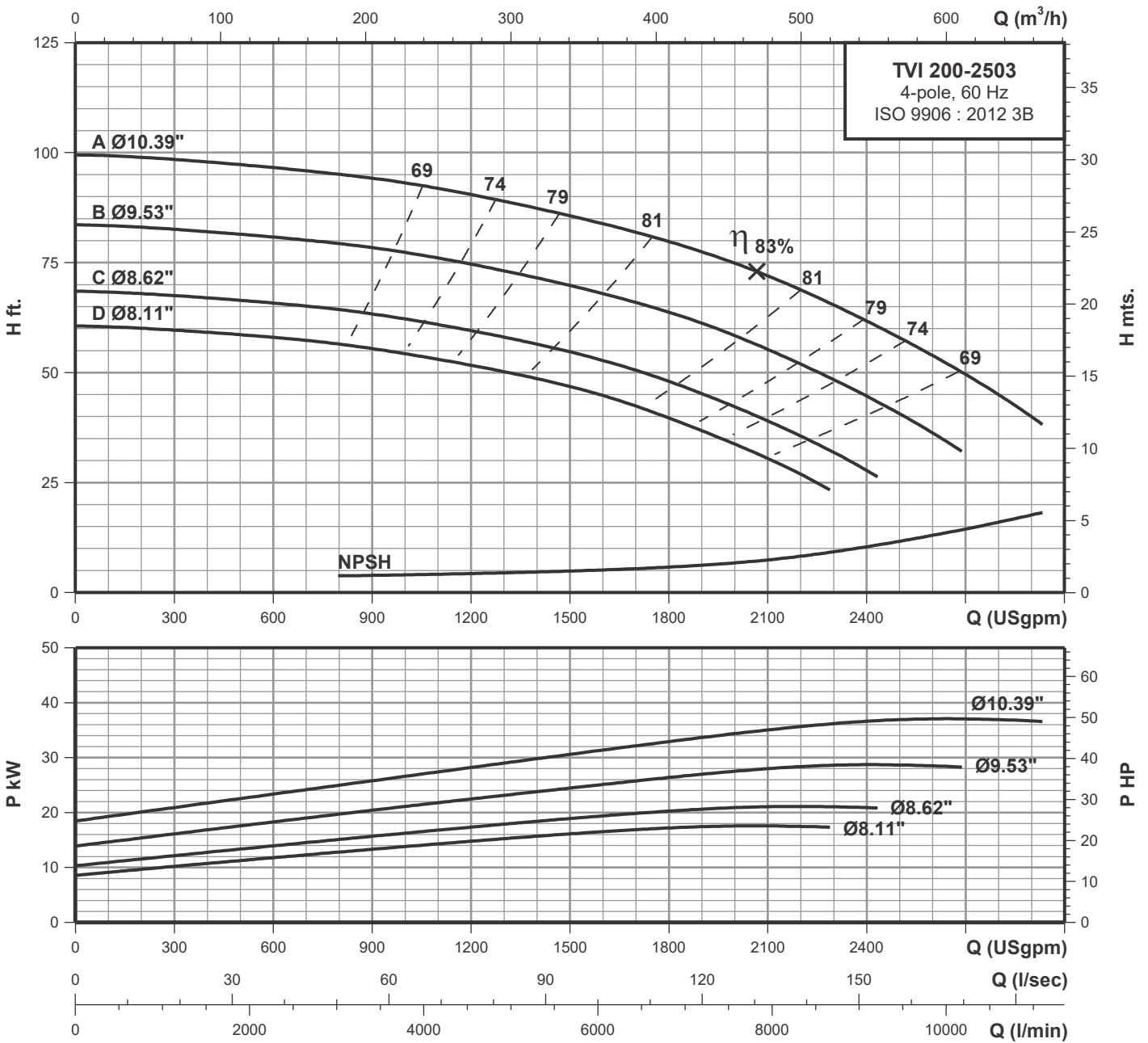
| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 25 | 30 | 40 | 50 |
| | [kW] | 18.5 | 22 | 30 | 37 |
| Frame | | 284JM | 286JM | 324JM | 326JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 8 | 8 | 8 | 8 |
| | [mm] | 200 | 200 | 200 | 200 |
| H1 | [inch] | 11.97 | 11.97 | 11.97 | 11.97 |
| | [mm] | 304 | 304 | 304 | 304 |
| H2 | [inch] | 5.87 | 5.87 | 5.71 | 5.71 |
| | [mm] | 149 | 149 | 145 | 145 |
| H3 | [inch] | 41.50 | 43.03 | 44.65 | 44.65 |
| | [mm] | 1054 | 1093 | 1134 | 1134 |
| L1 | [inch] | 36.42 | 36.42 | 36.42 | 36.42 |
| | [mm] | 925 | 925 | 925 | 925 |
| C5 | [inch] | 20.28 | 20.28 | 20.28 | 20.28 |
| | [mm] | 515 | 515 | 515 | 515 |
| G1 | [inch] | 9.06 | 9.06 | 9.06 | 9.06 |
| | [mm] | 230 | 230 | 230 | 230 |
| G2 | [inch] | 11.73 | 11.73 | 11.73 | 11.73 |
| | [mm] | 298 | 298 | 298 | 298 |
| P | [inch] | 12.95 | 12.95 | 14.02 | 14.02 |
| | [mm] | 329 | 329 | 356 | 356 |
| AC | [inch] | 14.02 | 14.02 | 15.43 | 15.43 |
| | [mm] | 356 | 356 | 392 | 392 |
| AD | [inch] | 11.57 | 11.57 | 12.05 | 12.05 |
| | [mm] | 294 | 294 | 306 | 306 |
| Net weight | [lbs] | 724 | 801 | 1021 | 1069 |
| | [kg] | 329 | 364 | 464 | 486 |
| Gross weight | [lbs] | 869 | 961 | 1225 | 1283 |
| | [kg] | 395 | 437 | 557 | 583 |
| Volume | [ft ³] | 34.44 | 35.56 | 36.73 | 36.73 |
| | [m ³] | 0.97 | 1.01 | 1.04 | 1.04 |

Performance curves

TVI 200-2503

Close-coupled vertical in-line pumps

4-pole



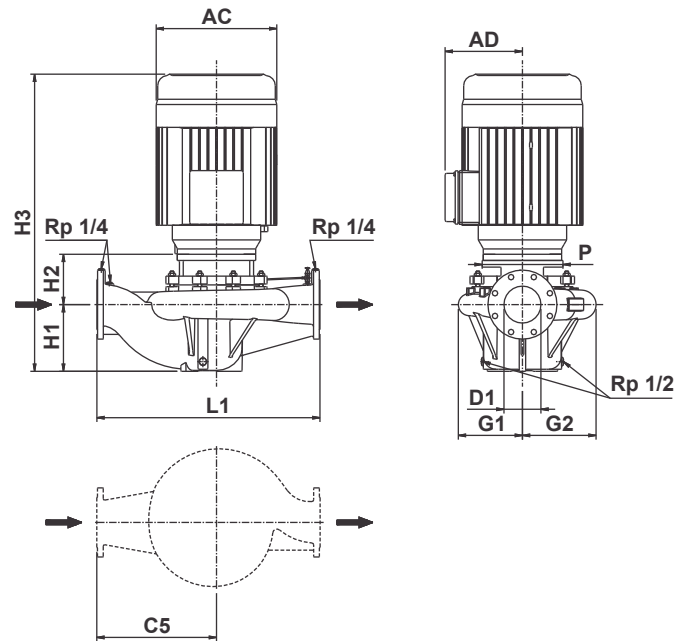
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 1136 | 2271 | 3407 | 4542 | 5678 | 6814 | 7949 | 9085 | 10221 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|------|-------|
| | HP | kW | | 300 | 600 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 | 2700 |
| TVI 200-2503D | 25.0 | 18.5 | H ft. | 59.7 | 58 | 55.3 | 51.8 | 47 | 39.7 | 30.7 | - | - |
| TVI 200-2503C | 30.0 | 22.0 | | 67.4 | 65.7 | 63.2 | 59.5 | 54.6 | 48 | 39 | 27.6 | - |
| TVI 200-2503B | 40.0 | 30.0 | | 82.7 | 81 | 78.5 | 74.7 | 69.8 | 63.9 | 55.3 | 44.2 | - |
| TVI 200-2503A | 50.0 | 37.0 | | 98.6 | 96.5 | 94.1 | 90.6 | 85.7 | 79.9 | 72 | 61.9 | 49.4 |

Technical data

Close-coupled vertical in-line pumps

TVI 200-3153 4-pole

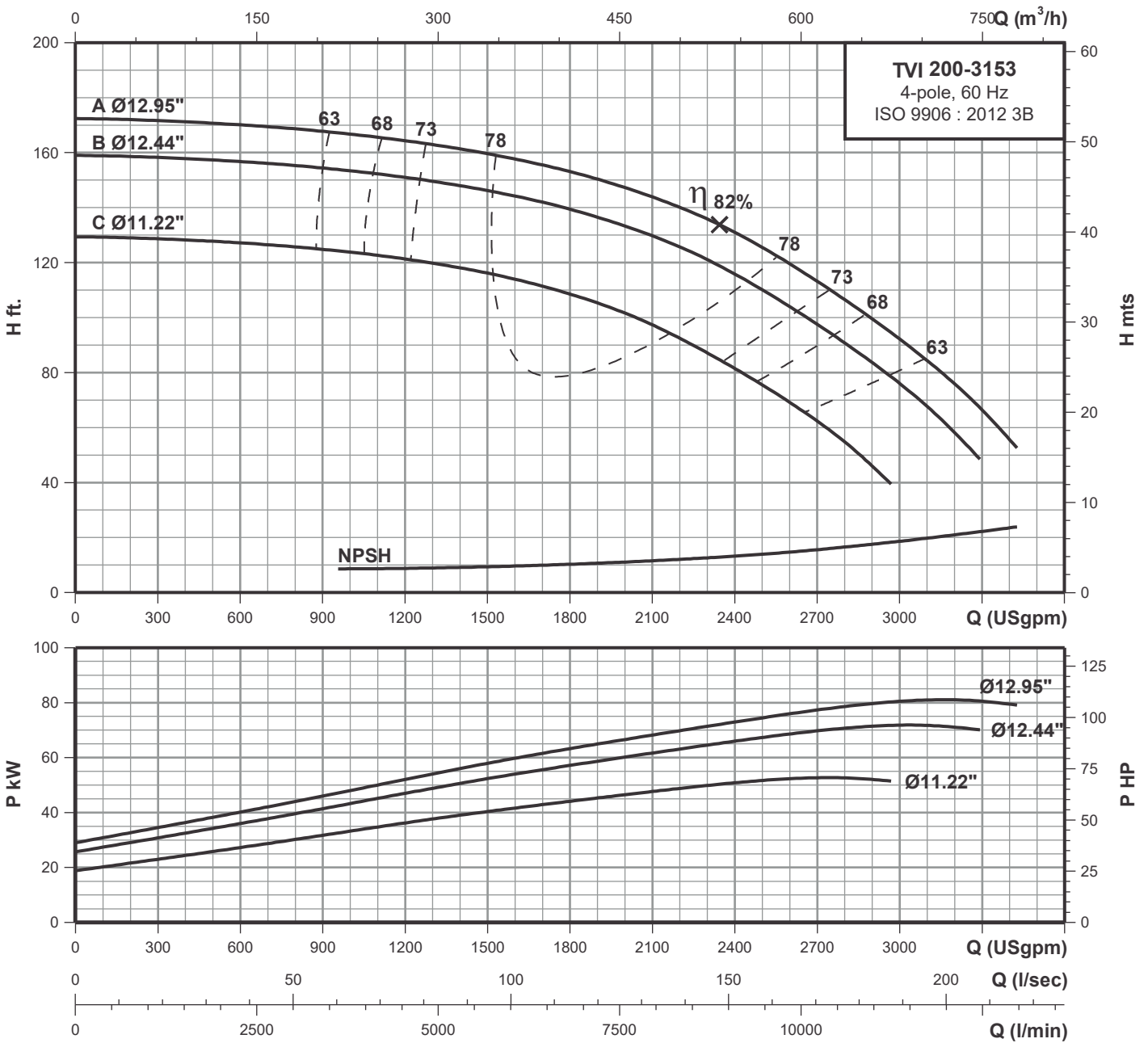


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 75 | 100 | 125 |
| | [kW] | 55 | 75 | 90 |
| Frame | | 365JM | 405TC | 444TC |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 8 | 8 | 8 |
| | [mm] | 200 | 200 | 200 |
| H1 | [inch] | 10.47 | 10.47 | 10.47 |
| | [mm] | 266 | 266 | 266 |
| H2 | [inch] | 5.67 | 12.80 | 14.02 |
| | [mm] | 144 | 325 | 356 |
| H3 | [inch] | 44.65 | 54.45 | 58.70 |
| | [mm] | 1134 | 1383 | 1491 |
| L1 | [inch] | 39.96 | 39.96 | 39.96 |
| | [mm] | 1015 | 1015 | 1015 |
| C5 | [inch] | 21.26 | 21.26 | 21.26 |
| | [mm] | 540 | 540 | 540 |
| G1 | [inch] | 9.96 | 9.96 | 9.96 |
| | [mm] | 253 | 253 | 253 |
| G2 | [inch] | 12.28 | 12.28 | 12.28 |
| | [mm] | 312 | 312 | 312 |
| P | [inch] | 14.02 | 15.51 | 17.91 |
| | [mm] | 356 | 394 | 455 |
| AC | [inch] | 16.50 | 19.17 | 21.34 |
| | [mm] | 419 | 487 | 542 |
| AD | [inch] | 12.91 | 16.30 | 17.52 |
| | [mm] | 328 | 414 | 445 |
| Net weight | [lbs] | 1349 | 1780 | 2112 |
| | [kg] | 613 | 809 | 960 |
| Gross weight | [lbs] | 1618 | 2136 | 2534 |
| | [kg] | 736 | 971 | 1152 |
| Volume | [ft ³] | 41.76 | 49.86 | 53.37 |
| | [m ³] | 1.18 | 1.41 | 1.51 |

Performance curves

TVI 200-3153 4-pole

Close-coupled vertical in-line pumps



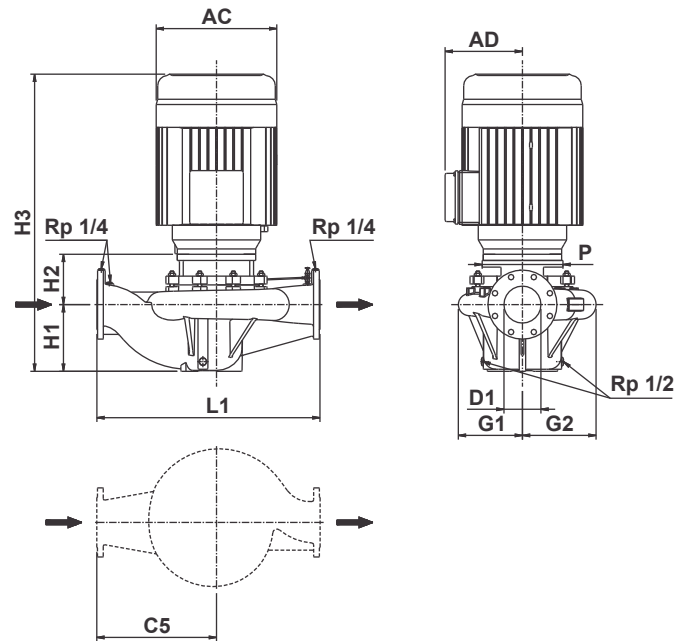
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 2271 | 3407 | 4542 | 5678 | 6814 | 7949 | 9085 | 10221 | 11356 |
|---------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 600 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 | 2700 | 3000 |
| TVI 200-3153C | 75.0 | 55.0 | H ft. | 127.1 | 124.7 | 121.1 | 116.2 | 108.9 | 97.4 | 82.1 | 62 | - |
| TVI 200-3153B | 100.0 | 75.0 | | 157 | 154.5 | 150.8 | 146 | 139.3 | 129.5 | 116.2 | 98 | 76 |
| TVI 200-3153A | 125.0 | 90.0 | | 170.3 | 168 | 164.3 | 160 | 153 | 143.6 | 131.4 | 113.1 | 92.5 |

Technical data

Close-coupled vertical in-line pumps

TVI 200-4003 4-pole



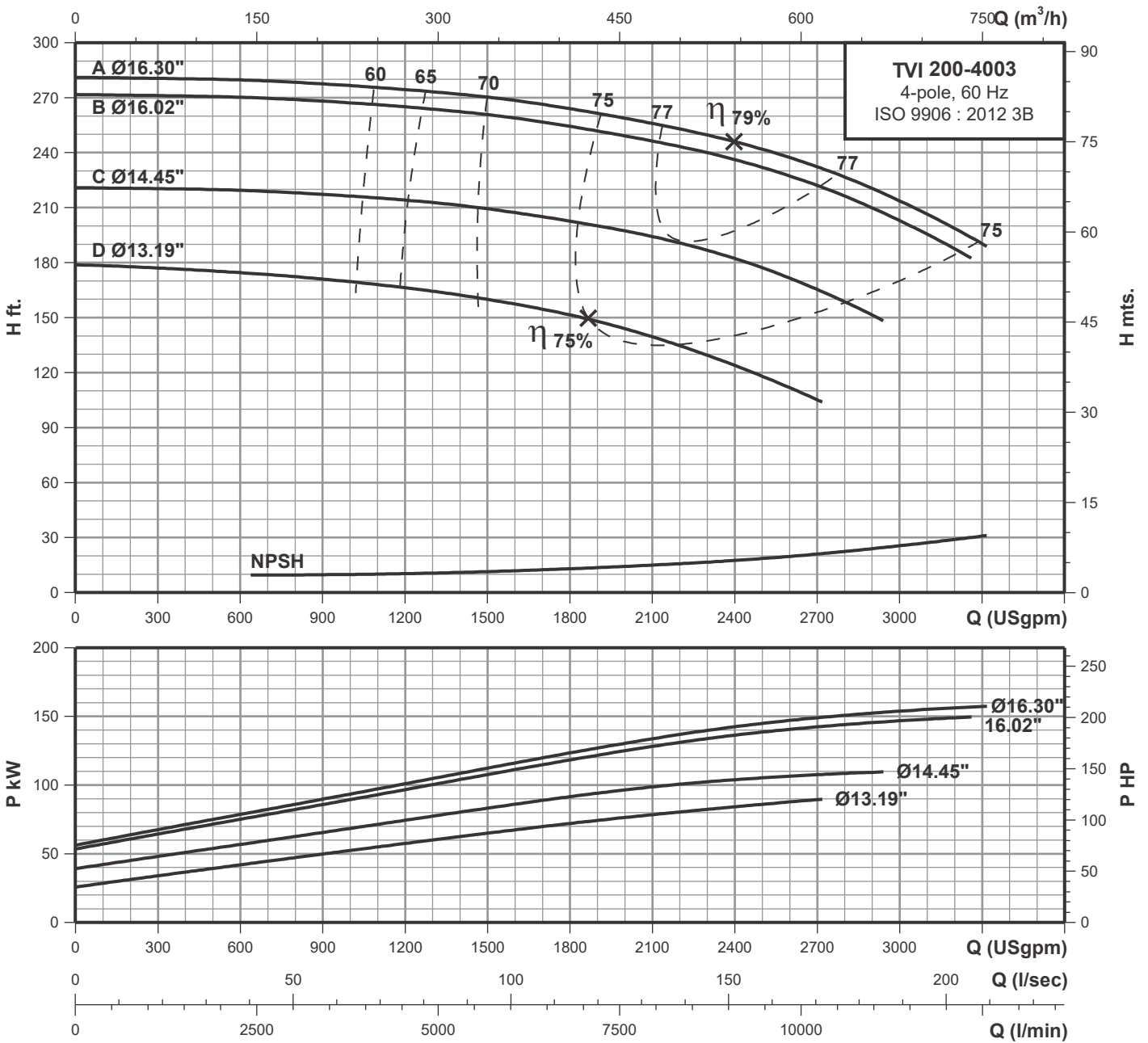
| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 125 | 150 | 200 | 250 |
| | [kW] | 90 | 110 | 150 | 185 |
| Frame | | 444TC | 445TC | 505TC | 505TC |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 8 | 8 | 8 | 8 |
| | [mm] | 200 | 200 | 200 | 200 |
| H1 | [inch] | 10.39 | 10.39 | 10.39 | 10.39 |
| | [mm] | 264 | 264 | 264 | 264 |
| H2 | [inch] | 13.90 | 13.90 | 16.02 | 16.02 |
| | [mm] | 353 | 353 | 407 | 407 |
| H3 | [inch] | 14.92 | 14.92 | 17.05 | 17.05 |
| | [mm] | 379 | 379 | 433 | 433 |
| L1 | [inch] | 45.59 | 45.59 | 45.59 | 45.59 |
| | [mm] | 1158 | 1158 | 1158 | 1158 |
| C5 | [inch] | 24.41 | 24.41 | 24.41 | 24.41 |
| | [mm] | 620 | 620 | 620 | 620 |
| G1 | [inch] | 11.46 | 11.46 | 11.46 | 11.46 |
| | [mm] | 291 | 291 | 291 | 291 |
| G2 | [inch] | 13.62 | 13.62 | 13.62 | 13.62 |
| | [mm] | 346 | 346 | 346 | 346 |
| P | [inch] | 17.91 | 17.91 | 17.91 | 17.91 |
| | [mm] | 455 | 455 | 455 | 455 |
| AC | [inch] | 21.34 | 21.34 | 24.02 | 24.02 |
| | [mm] | 542 | 542 | 610 | 610 |
| AD | [inch] | 17.52 | 17.52 | 20.28 | 20.28 |
| | [mm] | 445 | 445 | 515 | 515 |
| Net weight | [lbs] | 2244 | 2627 | 2781 | 2970 |
| | [kg] | 1020 | 1194 | 1264 | 1350 |
| Gross weight | [lbs] | 2693 | 3152 | 3337 | 3564 |
| | [kg] | 1224 | 1433 | 1517 | 1620 |
| Volume | [ft ³] | 24.84 | 24.84 | 29.27 | 29.27 |
| | [m ³] | 0.70 | 0.70 | 0.83 | 0.83 |

Performance curves

TVI 200-4003

Close-coupled vertical in-line pumps

4-pole



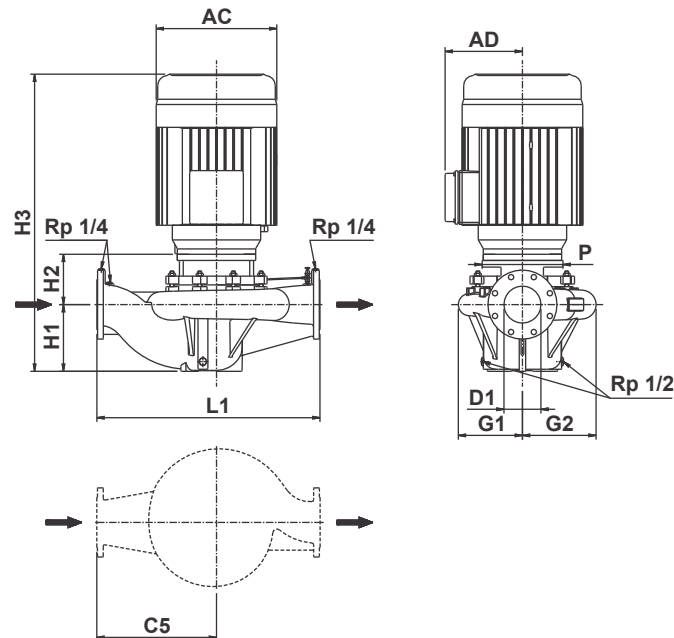
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 2271 | 3407 | 4542 | 5678 | 6814 | 7949 | 9085 | 10221 | 11356 |
|---------------|-------|-------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 600 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 | 2700 | 3000 |
| TVI 200-4003D | 125.0 | 90.0 | H ft. | 174.4 | 171.4 | 166.5 | 159.7 | 151.9 | 140.2 | 124.5 | 104.9 | - |
| TVI 200-4003C | 150.0 | 110.0 | | 219.3 | 217.4 | 214.5 | 209.6 | 202.7 | 194.9 | 182.3 | 165.6 | - |
| TVI 200-4003B | 200.0 | 150.0 | | 270.3 | 268.3 | 265.4 | 260.5 | 254.6 | 246.8 | 236 | 222.3 | 203.7 |
| TVI 200-4003A | 250.0 | 185.0 | | 280 | 277.1 | 274.1 | 270.2 | 264.4 | 255.5 | 246.8 | 232.1 | 213.5 |

Technical data

Close-coupled vertical in-line pumps

TVI 250-3153 4-pole



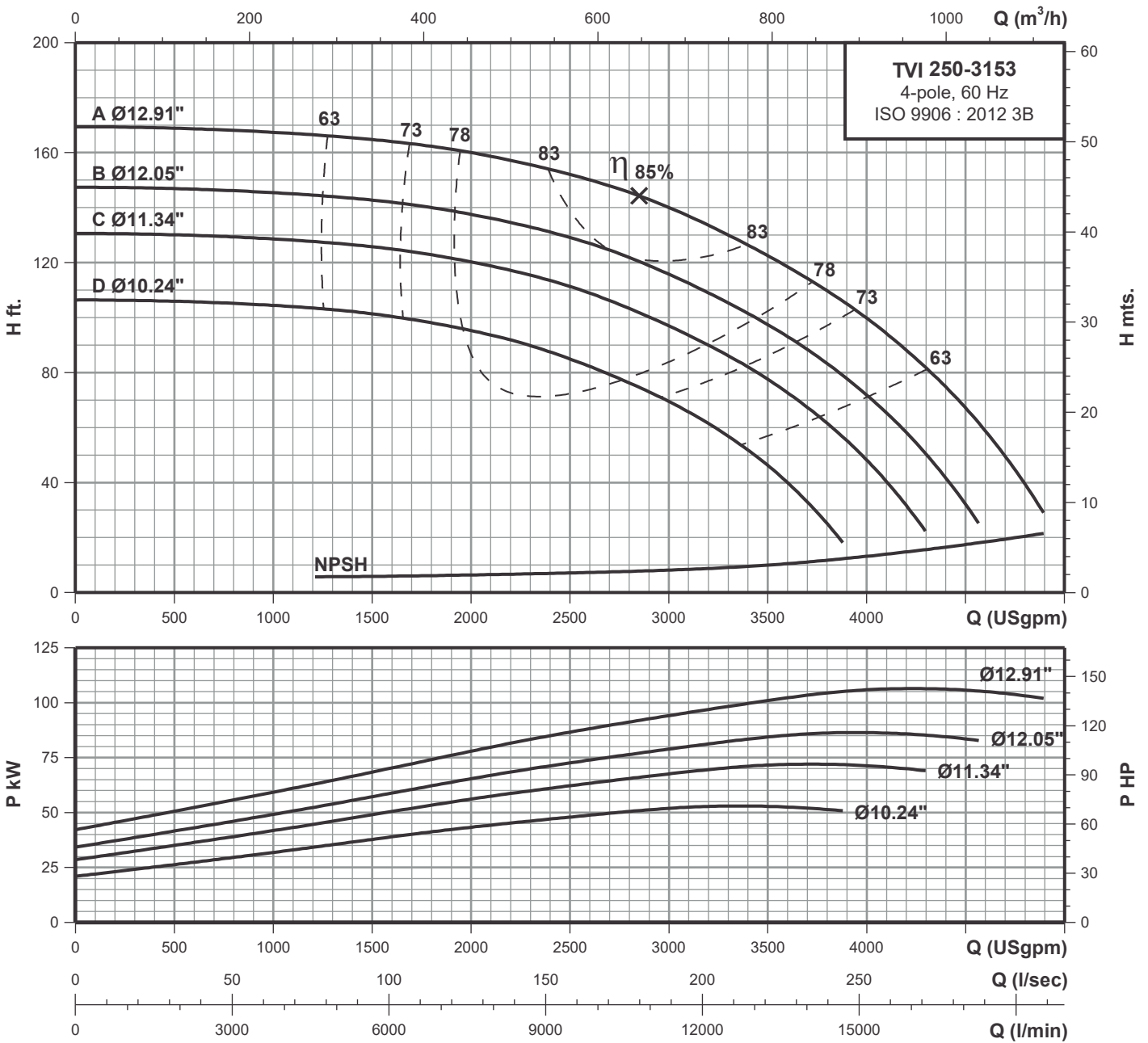
| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 75 | 100 | 125 | 150 |
| | [kW] | 55 | 75 | 90 | 110 |
| Frame | | 365JM | 405TC | 444TC | 445TC |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 10 | 10 | 10 | 10 |
| | [mm] | 250 | 250 | 250 | 250 |
| H1 | [inch] | 13.58 | 13.58 | 13.58 | 13.58 |
| | [mm] | 345 | 345 | 345 | 345 |
| H2 | [inch] | 5.94 | 13.07 | 14.29 | 14.29 |
| | [mm] | 151 | 332 | 363 | 363 |
| H3 | [inch] | 48.07 | 57.87 | 62.13 | 62.13 |
| | [mm] | 1221 | 1470 | 1578 | 1578 |
| L1 | [inch] | 45.28 | 45.28 | 45.28 | 45.28 |
| | [mm] | 1150 | 1150 | 1150 | 1150 |
| C5 | [inch] | 23.62 | 23.62 | 23.62 | 23.62 |
| | [mm] | 600 | 600 | 600 | 600 |
| G1 | [inch] | 10.63 | 10.63 | 10.63 | 10.63 |
| | [mm] | 270 | 270 | 270 | 270 |
| G2 | [inch] | 13.39 | 13.39 | 13.39 | 13.39 |
| | [mm] | 340 | 340 | 340 | 340 |
| P | [inch] | 14.02 | 15.51 | 17.91 | 17.91 |
| | [mm] | 356 | 394 | 455 | 455 |
| AC | [inch] | 16.50 | 19.17 | 21.34 | 21.34 |
| | [mm] | 419 | 487 | 542 | 542 |
| AD | [inch] | 12.91 | 16.30 | 17.52 | 17.52 |
| | [mm] | 328 | 414 | 445 | 445 |
| Net weight | [lbs] | 1276 | 1707 | 2070 | 2453 |
| | [kg] | 580 | 776 | 941 | 1115 |
| Gross weight | [lbs] | 1531 | 2049 | 2484 | 2944 |
| | [kg] | 696 | 931 | 1129 | 1338 |
| Volume | [ft ³] | 52.59 | 62.15 | 66.29 | 66.29 |
| | [m ³] | 1.49 | 1.76 | 1.88 | 1.88 |

Performance curves

TVI 250-3153

Close-coupled vertical in-line pumps

4-pole



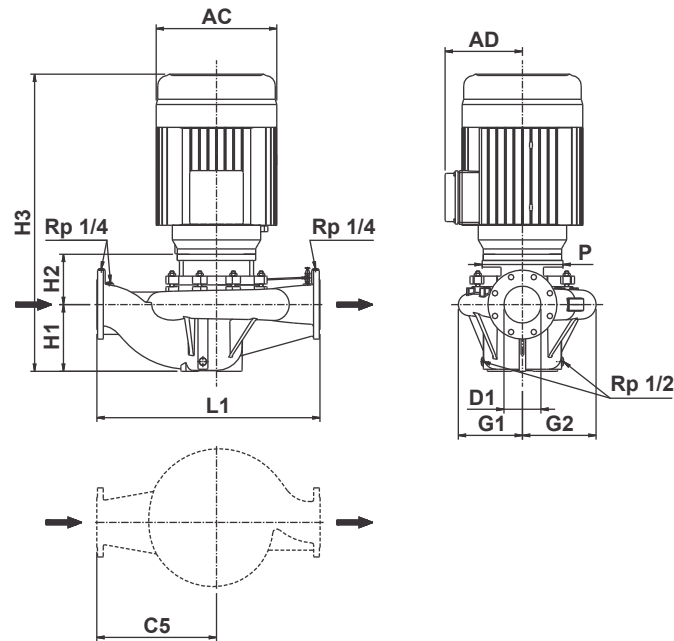
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 3785 | 5678 | 7571 | 9464 | 11356 | 13249 | 15142 | 17034 |
|---------------|-------|-------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 |
| TVI 250-3153D | 75.0 | 55.0 | H ft. | 104.4 | 101.3 | 95.5 | 85 | 69.3 | 46.7 | - | - |
| TVI 250-3153C | 100.0 | 75.0 | | 128.6 | 125.9 | 120.1 | 111.8 | 97.1 | 77.7 | 47.8 | - |
| TVI 250-3153B | 125.0 | 90.0 | | 145.3 | 142.7 | 137.5 | 129.6 | 116 | 97.6 | 71.9 | 31.5 |
| TVI 250-3153A | 150.0 | 110.0 | | 167.2 | 165 | 160 | 152.4 | 140.3 | 122.3 | 99.5 | 67.3 |

Technical data

Close-coupled vertical in-line pumps

TVI 300-3303 4-pole



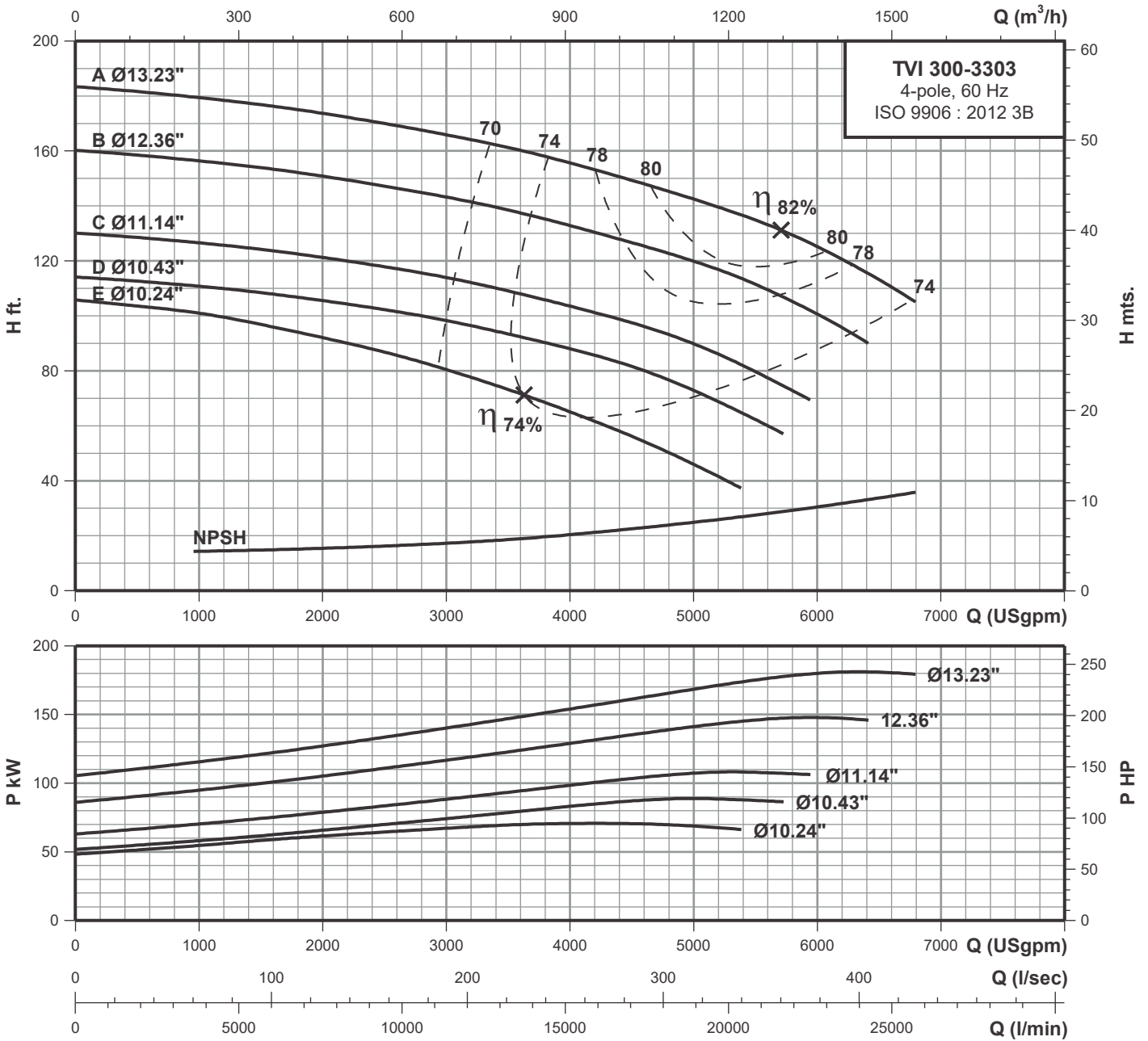
| | | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|-------|
| Power | [hp] | 100 | 125 | 150 | 200 | 250 |
| | [kW] | 75 | 90 | 110 | 150 | 185 |
| Frame | | 405TC | 444TC | 445TC | 505TC | 505TC |
| PN | [bar] | 16 | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | E | D | C | B | A |
| D1 | [inch] | 12 | 12 | 12 | 12 | 12 |
| | [mm] | 300 | 300 | 300 | 300 | 300 |
| H1 | [inch] | 10.63 | 10.63 | 10.63 | 10.63 | 10.63 |
| | [mm] | 270 | 270 | 270 | 270 | 270 |
| H2 | [inch] | 20.31 | 21.54 | 21.54 | 23.66 | 23.66 |
| | [mm] | 516 | 547 | 547 | 601 | 601 |
| H3 | [inch] | 61.46 | 65.00 | 65.00 | 76.26 | 76.26 |
| | [mm] | 1561 | 1651 | 1651 | 1937 | 1937 |
| L1 | [inch] | 44.69 | 44.69 | 44.69 | 44.69 | 44.69 |
| | [mm] | 1135 | 1135 | 1135 | 1135 | 1135 |
| C5 | [inch] | 23.03 | 23.03 | 23.03 | 23.03 | 23.03 |
| | [mm] | 585 | 585 | 585 | 585 | 585 |
| G1 | [inch] | 11.85 | 11.85 | 11.85 | 11.85 | 11.85 |
| | [mm] | 301 | 301 | 301 | 301 | 301 |
| G2 | [inch] | 15.51 | 15.51 | 15.51 | 15.51 | 15.51 |
| | [mm] | 394 | 394 | 394 | 394 | 394 |
| P | [inch] | 15.51 | 17.91 | 17.91 | 17.91 | 17.91 |
| | [mm] | 394 | 455 | 455 | 455 | 455 |
| AC | [inch] | 19.17 | 21.34 | 21.34 | 24.02 | 24.02 |
| | [mm] | 487 | 542 | 542 | 610 | 610 |
| AD | [inch] | 16.30 | 17.52 | 17.52 | 20.28 | 20.28 |
| | [mm] | 414 | 445 | 445 | 515 | 515 |
| Net weight | [lbs] | 2264 | 2596 | 2979 | 3133 | 3322 |
| | [kg] | 1029 | 1180 | 1354 | 1424 | 1510 |
| Gross weight | [lbs] | 2717 | 3115 | 3575 | 3759 | 3986 |
| | [kg] | 1235 | 1416 | 1625 | 1709 | 1812 |
| Volume | [ft ³] | 71.48 | 75.24 | 75.24 | 87.19 | 87.19 |
| | [m ³] | 2.02 | 2.13 | 2.13 | 2.47 | 2.47 |

Performance curves

TVI 300-3303

Close-coupled vertical in-line pumps

4-pole



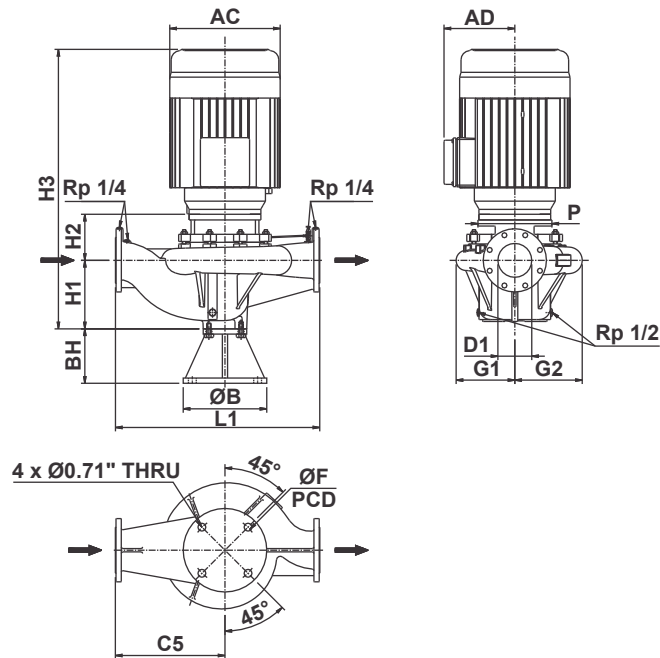
Performance data at n=1750 rpm

| Model | Power | | l/min USgpm | 3785 | 7571 | 11356 | 15142 | 18927 | 22712 |
|---------------|-------|-------|----------------|-------|-------|-------|-------|-------|-------|
| | HP | kW | | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 |
| TVI 300-3303E | 100.0 | 75.0 | H ft. | 101 | 91.8 | 80.6 | 65 | 46.1 | - |
| TVI 300-3303D | 125.0 | 90.0 | | 111 | 106 | 98 | 88.3 | 72.8 | - |
| TVI 300-3303C | 150.0 | 110.0 | | 126.3 | 121.4 | 113.7 | 103.8 | 89.7 | - |
| TVI 300-3303B | 200.0 | 150.0 | | 156.6 | 151 | 143.2 | 132.7 | 120 | 101 |
| TVI 300-3303A | 250.0 | 185.0 | | 179.1 | 173.5 | 165.7 | 155.9 | 142.5 | 125.6 |

Technical data

Close-coupled vertical in-line pumps

TVI 65-2505 6-pole



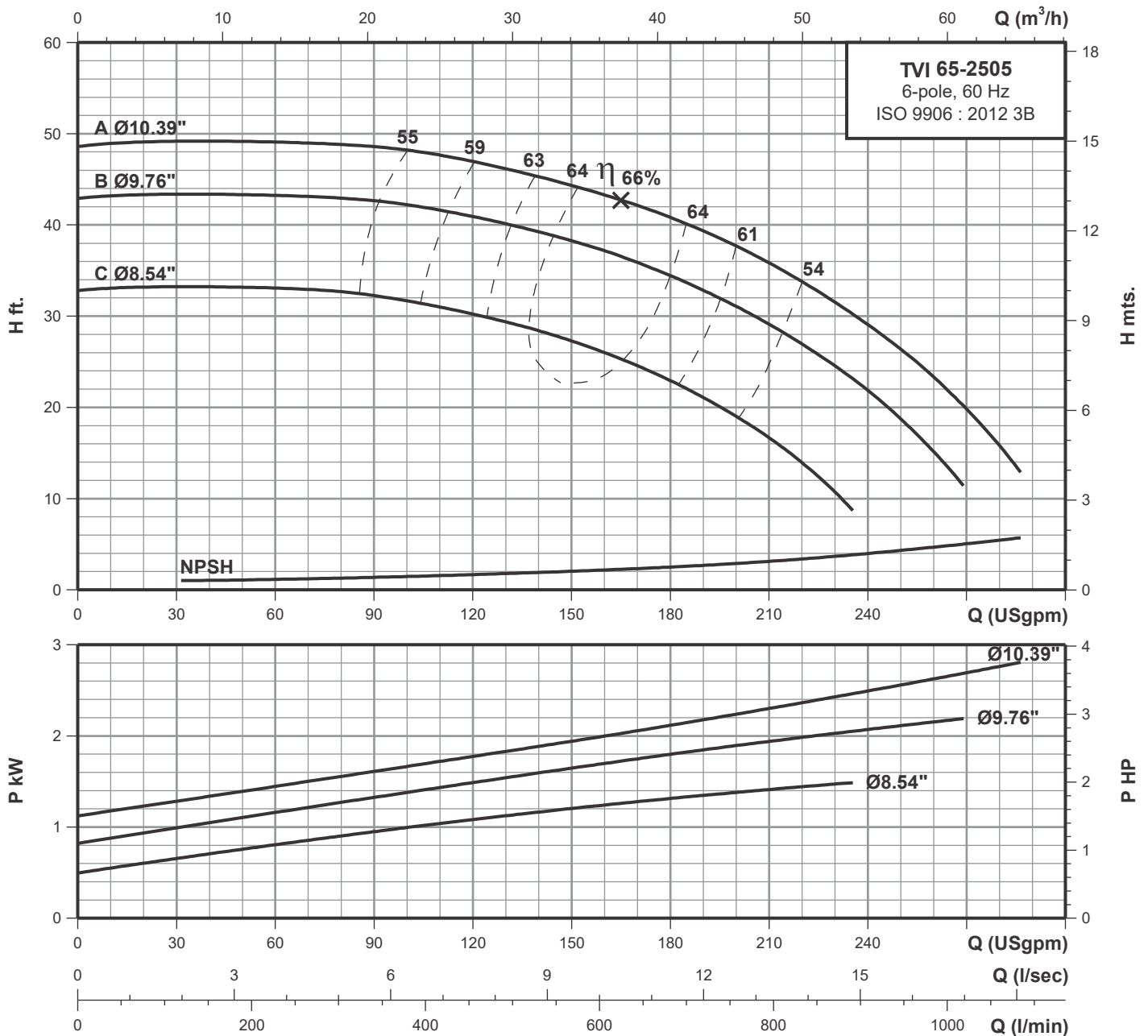
| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 2 | 3 | 4 |
| | [kW] | 1.5 | 2.2 | 3 |
| Frame | | 184JM | 213JM | 215JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 2.5 | 2.5 | 2.5 |
| | [mm] | 65 | 65 | 65 |
| H1 | [inch] | 6.77 | 6.77 | 6.77 |
| | [mm] | 172 | 172 | 172 |
| H2 | [inch] | 4.37 | 4.61 | 4.61 |
| | [mm] | 111 | 117 | 117 |
| H3 | [inch] | 24.45 | 26.3 | 27.8 |
| | [mm] | 621 | 668 | 706 |
| BH | [inch] | 4.92 | 4.92 | 4.92 |
| | [mm] | 125 | 125 | 125 |
| B | [inch] | 10.83 | 10.83 | 10.83 |
| | [mm] | 275 | 275 | 275 |
| F | [inch] | 9.17 | 9.17 | 9.17 |
| | [mm] | 233 | 233 | 233 |
| L1 | [inch] | 21.65 | 21.65 | 21.65 |
| | [mm] | 550 | 550 | 550 |
| C5 | [inch] | 11.81 | 11.81 | 11.81 |
| | [mm] | 300 | 300 | 300 |
| G1 | [inch] | 6.69 | 6.69 | 6.69 |
| | [mm] | 170 | 170 | 170 |
| G2 | [inch] | 7.4 | 7.4 | 7.4 |
| | [mm] | 188 | 188 | 188 |
| P | [inch] | 6.5 | 8.86 | 8.86 |
| | [mm] | 165 | 225 | 225 |
| AC | [inch] | 8.58 | 10.24 | 10.24 |
| | [mm] | 218 | 260 | 260 |
| AD | [inch] | 6.46 | 7.4 | 7.4 |
| | [mm] | 164 | 188 | 188 |
| Net weight | [lbs] | 259 | 338 | 343 |
| | [kg] | 117.5 | 153.5 | 155.5 |
| Gross weight | [lbs] | 380 | 499 | 504 |
| | [kg] | 172.5 | 226.5 | 228.5 |
| Volume | [ft ³] | 13.12 | 21.46 | 21.46 |
| | [m ³] | 0.372 | 0.608 | 0.608 |

Performance curves

LVI 65-2505

Close-coupled vertical in-line pumps

6-pole



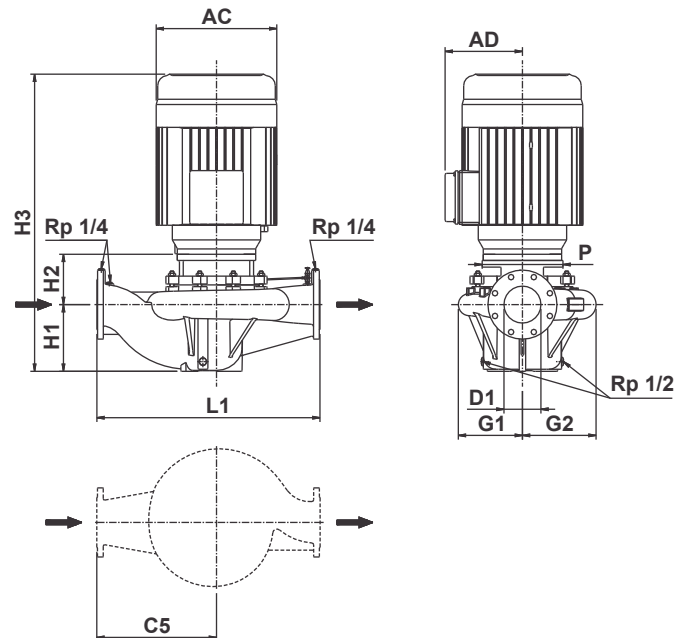
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 227 | 341 | 454 | 568 | 681 | 795 | 908 | 1022 |
|--------------|-------|------|----------------|------|------|------|------|------|------|-----|------|
| | HP | kW | | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 |
| TVI 65-2505C | 2.00 | 1.50 | H ft. | 25.2 | 24 | 22 | 18.7 | 13.6 | - | - | - |
| TVI 65-2505B | 3.00 | 2.20 | | 36 | 35.4 | 33.5 | 30.8 | 26.7 | 20.5 | 12 | - |
| TVI 65-2505A | 4.00 | 3.00 | | 49 | 48.7 | 47 | 44.5 | 40.8 | 35.8 | 29 | 20 |

Technical data

Close-coupled vertical in-line pumps

TVI 80-2005 6-pole

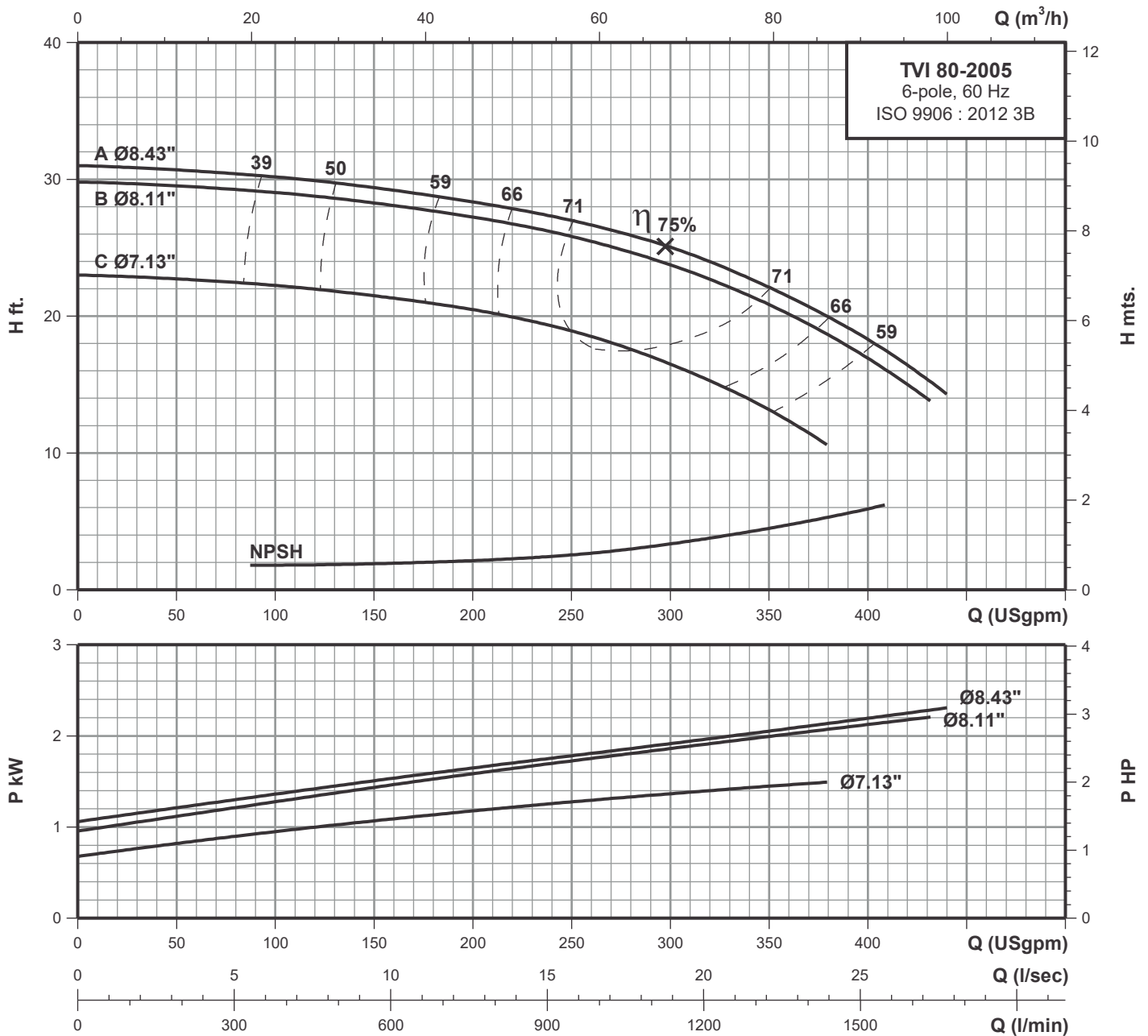


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 2 | 3 | 4 |
| | [kW] | 1.5 | 2.2 | 3 |
| Frame | | 184JM | 213JM | 215JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 3 | 3 | 3 |
| | [mm] | 80 | 80 | 80 |
| H1 | [inch] | 6.69 | 6.69 | 6.69 |
| | [mm] | 170 | 170 | 170 |
| H2 | [inch] | 4.53 | 4.76 | 4.76 |
| | [mm] | 115 | 121 | 121 |
| H3 | [inch] | 24.53 | 26.38 | 27.87 |
| | [mm] | 623 | 670 | 708 |
| L1 | [inch] | 22.01 | 22.01 | 22.01 |
| | [mm] | 559 | 559 | 559 |
| C5 | [inch] | 12.17 | 12.17 | 12.17 |
| | [mm] | 309 | 309 | 309 |
| G1 | [inch] | 6.1 | 6.1 | 6.1 |
| | [mm] | 155 | 155 | 155 |
| G2 | [inch] | 7.2 | 7.2 | 7.2 |
| | [mm] | 183 | 183 | 183 |
| P | [inch] | 6.5 | 8.86 | 8.86 |
| | [mm] | 165 | 225 | 225 |
| AC | [inch] | 8.58 | 10.24 | 10.24 |
| | [mm] | 218 | 260 | 260 |
| AD | [inch] | 6.46 | 7.4 | 7.4 |
| | [mm] | 164 | 188 | 188 |
| Net weight | [lbs] | 218 | 298 | 304 |
| | [kg] | 99 | 135 | 138 |
| Gross weight | [lbs] | 333 | 412 | 419 |
| | [kg] | 151 | 187 | 190 |
| Volume | [ft ³] | 13.87 | 13.87 | 13.87 |
| | [m ³] | 0.393 | 0.393 | 0.393 |

Performance curves

TVI 80-2005 6-pole

Close-coupled vertical in-line pumps



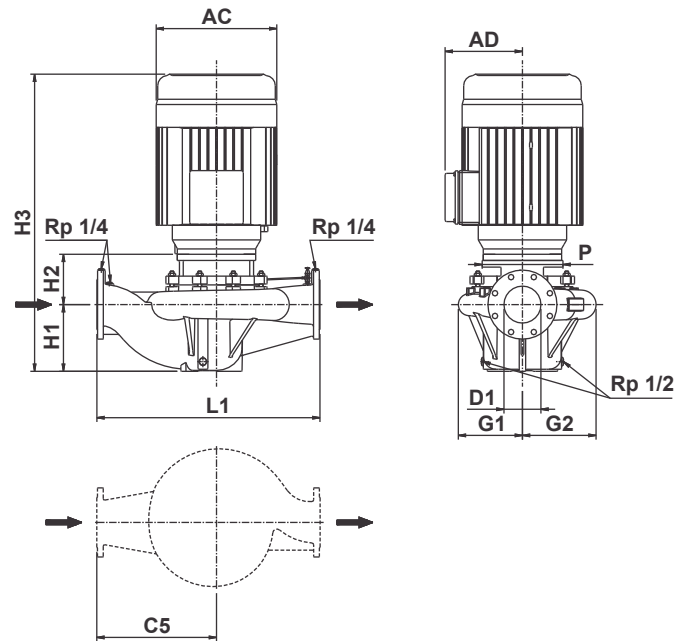
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 189 | 379 | 568 | 757 | 946 | 1136 | 1325 | 1514 |
|--------------|-------|------|----------------|------|------|------|------|------|------|------|------|
| | HP | kW | | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 |
| TVI 80-2005C | 2.00 | 1.50 | H ft. | 22.8 | 22.4 | 21.5 | 20.5 | 19 | 16.8 | 13.3 | - |
| TVI 80-2005B | 3.00 | 2.20 | | 29.6 | 29.1 | 28.3 | 27.2 | 25.9 | 23.9 | 20.8 | 16.9 |
| TVI 80-2005A | 4.00 | 3.00 | | 30.7 | 30.2 | 29.5 | 28.5 | 27 | 25 | 22 | 18.2 |

Technical data

Close-coupled vertical in-line pumps

TVI 80-2505 6-pole

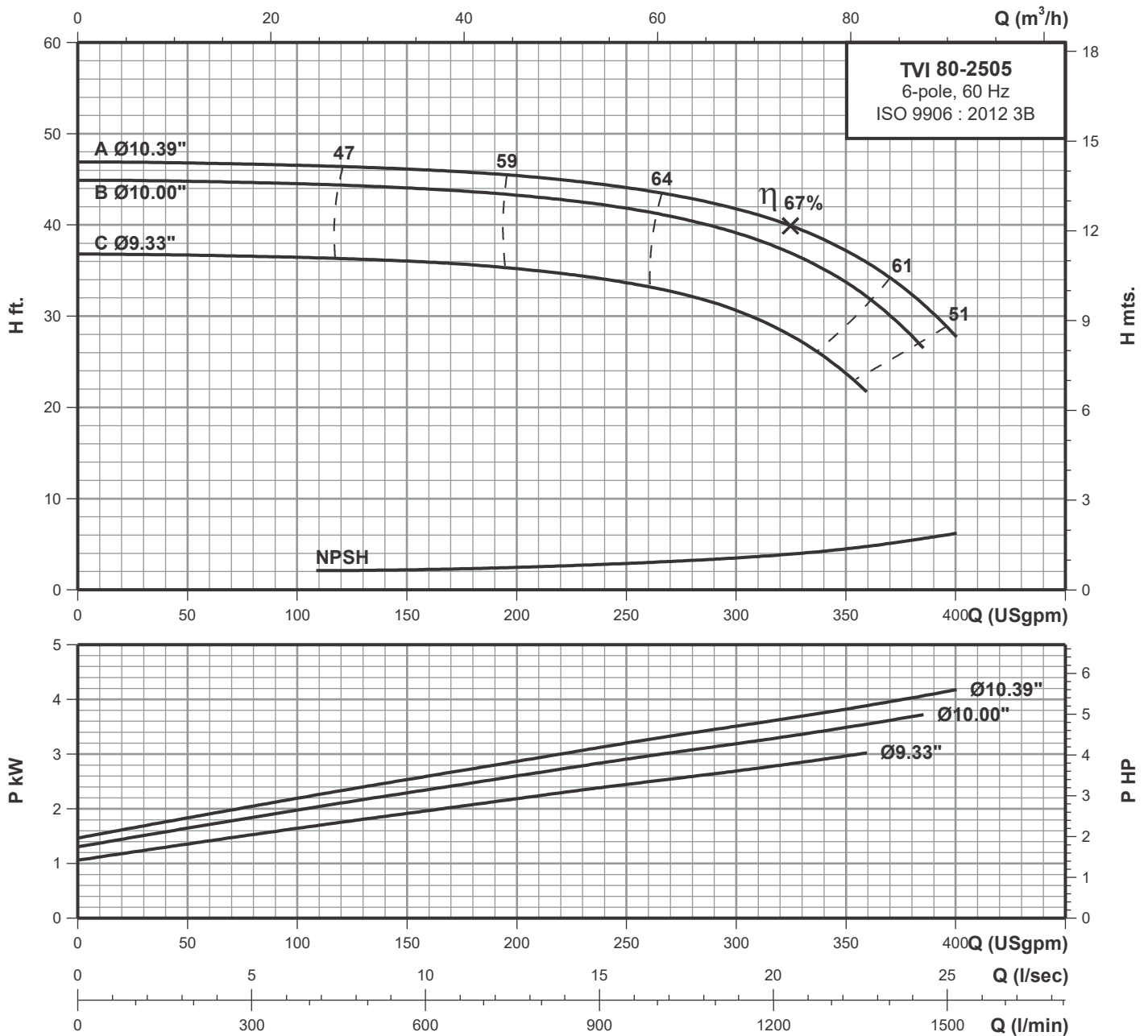


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 4 | 5 | 7.5 |
| | [kW] | 3 | 3.7 | 5.5 |
| Frame | | 215JM | 215JM | 254JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 3 | 3 | 3 |
| | [mm] | 80 | 80 | 80 |
| H1 | [inch] | 6.85 | 6.85 | 6.85 |
| | [mm] | 174 | 174 | 174 |
| H2 | [inch] | 4.61 | 4.61 | 5.39 |
| | [mm] | 117 | 117 | 137 |
| H3 | [inch] | 27.87 | 27.87 | 31.42 |
| | [mm] | 708 | 708 | 798 |
| L1 | [inch] | 23.82 | 23.82 | 23.82 |
| | [mm] | 605 | 605 | 605 |
| C5 | [inch] | 12.8 | 12.8 | 12.8 |
| | [mm] | 325 | 325 | 325 |
| G1 | [inch] | 7.01 | 7.01 | 7.01 |
| | [mm] | 178 | 178 | 178 |
| G2 | [inch] | 8.03 | 8.03 | 8.03 |
| | [mm] | 204 | 204 | 204 |
| P | [inch] | 8.86 | 8.86 | 10 |
| | [mm] | 225 | 225 | 254 |
| AC | [inch] | 10.24 | 10.24 | 11.93 |
| | [mm] | 260 | 260 | 303 |
| AD | [inch] | 7.4 | 7.4 | 9.49 |
| | [mm] | 188 | 188 | 241 |
| Net weight | [lbs] | 333 | 337 | 397 |
| | [kg] | 151 | 153 | 180 |
| Gross weight | [lbs] | 448 | 452 | 558 |
| | [kg] | 203 | 205 | 253 |
| Volume | [ft ³] | 13.87 | 13.87 | 21.46 |
| | [m ³] | 0.393 | 0.393 | 0.608 |

Performance curves

TVI 80-2505 6-pole

Close-coupled vertical in-line pumps



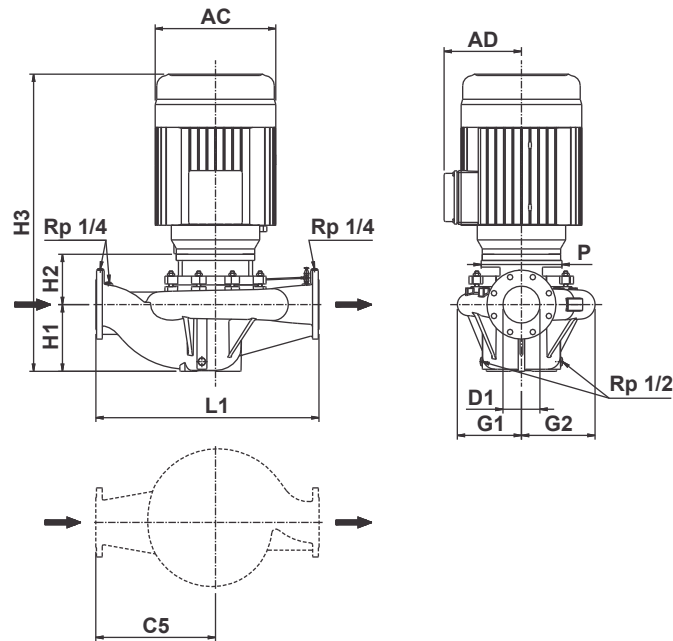
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 189 | 379 | 568 | 757 | 946 | 1136 | 1325 | 1514 |
|--------------|-------|------|----------------|------|------|------|------|------|------|------|------|
| | HP | kW | | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 |
| TVI 80-2505C | 4.00 | 3.00 | H ft. | 36.7 | 36.4 | 36 | 35.2 | 33.6 | 30.6 | 23.7 | - |
| TVI 80-2505B | 5.00 | 3.70 | | 44.7 | 44.5 | 44.1 | 43.3 | 41.9 | 39.2 | 33.7 | - |
| TVI 80-2505A | 7.50 | 5.50 | | 46.8 | 46.5 | 46 | 45.4 | 44.1 | 41.7 | 37.3 | 27.8 |

Technical data

Close-coupled vertical in-line pumps

TVI 80-3155 6-pole

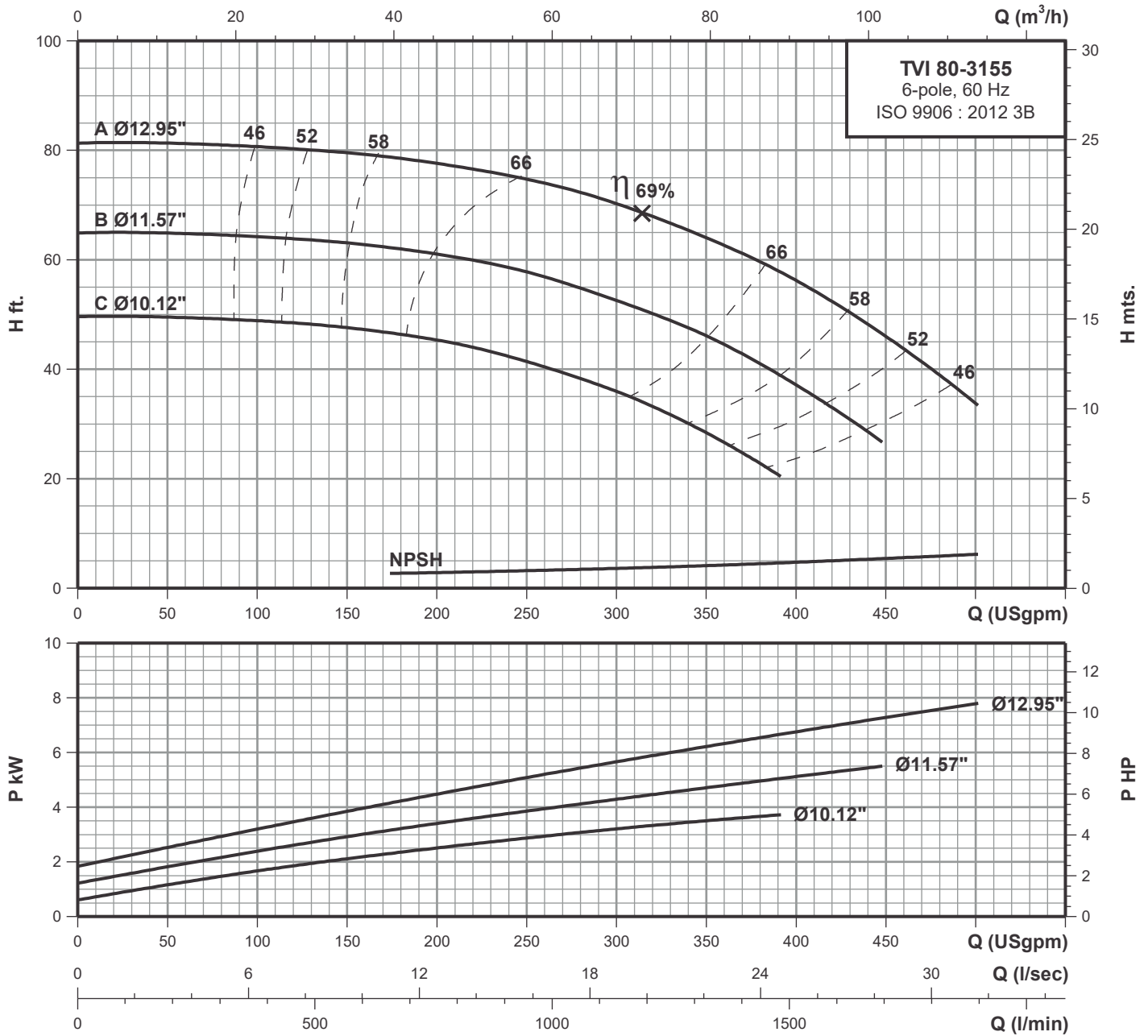


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 5 | 7.5 | 10 |
| | [kW] | 3.7 | 5.5 | 7.5 |
| Frame | | 215JM | 254JM | 256JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 3 | 3 | 3 |
| | [mm] | 80 | 80 | 80 |
| H1 | [inch] | 7.28 | 7.28 | 7.28 |
| | [mm] | 185 | 185 | 185 |
| H2 | [inch] | 4.92 | 5.43 | 5.43 |
| | [mm] | 125 | 138 | 138 |
| H3 | [inch] | 28.62 | 31.89 | 33.54 |
| | [mm] | 727 | 810 | 852 |
| L1 | [inch] | 26.77 | 26.77 | 26.77 |
| | [mm] | 680 | 680 | 680 |
| C5 | [inch] | 14.37 | 14.37 | 14.37 |
| | [mm] | 365 | 365 | 365 |
| G1 | [inch] | 8.03 | 8.03 | 8.03 |
| | [mm] | 204 | 204 | 204 |
| G2 | [inch] | 8.94 | 8.94 | 8.94 |
| | [mm] | 227 | 227 | 227 |
| P | [inch] | 8.86 | 10 | 10 |
| | [mm] | 225 | 254 | 254 |
| AC | [inch] | 10.24 | 11.93 | 11.93 |
| | [mm] | 260 | 303 | 303 |
| AD | [inch] | 7.4 | 9.49 | 9.49 |
| | [mm] | 188 | 241 | 241 |
| Net weight | [lbs] | 359 | 417 | 445 |
| | [kg] | 163 | 189 | 202 |
| Gross weight | [lbs] | 509 | 578 | 606 |
| | [kg] | 231 | 262 | 275 |
| Volume | [ft ³] | 19.12 | 21.46 | 21.46 |
| | [m ³] | 0.542 | 0.608 | 0.608 |

Performance curves

TVI 80-3155 6-pole

Close-coupled vertical in-line pumps



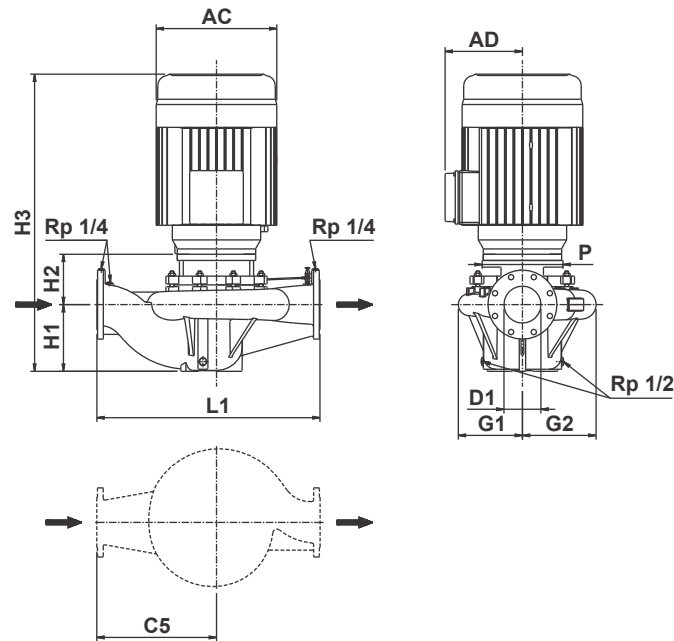
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 379 | 568 | 757 | 946 | 1136 | 1325 | 1514 | 1703 | 1893 |
|--------------|-------|------|----------------|------|------|------|------|------|------|------|------|------|
| | HP | kW | | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| TVI 80-3155C | 5.00 | 3.70 | H ft. | 48.9 | 47.7 | 45.4 | 41.4 | 36 | 28.5 | - | - | - |
| TVI 80-3155B | 7.50 | 5.50 | | 64.2 | 63.2 | 61.2 | 58 | 52.5 | 46.2 | 37.2 | - | - |
| TVI 80-3155A | 10.0 | 7.50 | | 80.8 | 79.6 | 77.7 | 75 | 70.5 | 64 | 56.4 | 46.1 | 33.7 |

Technical data

Close-coupled vertical in-line pumps

TVI 80-4005 6-pole

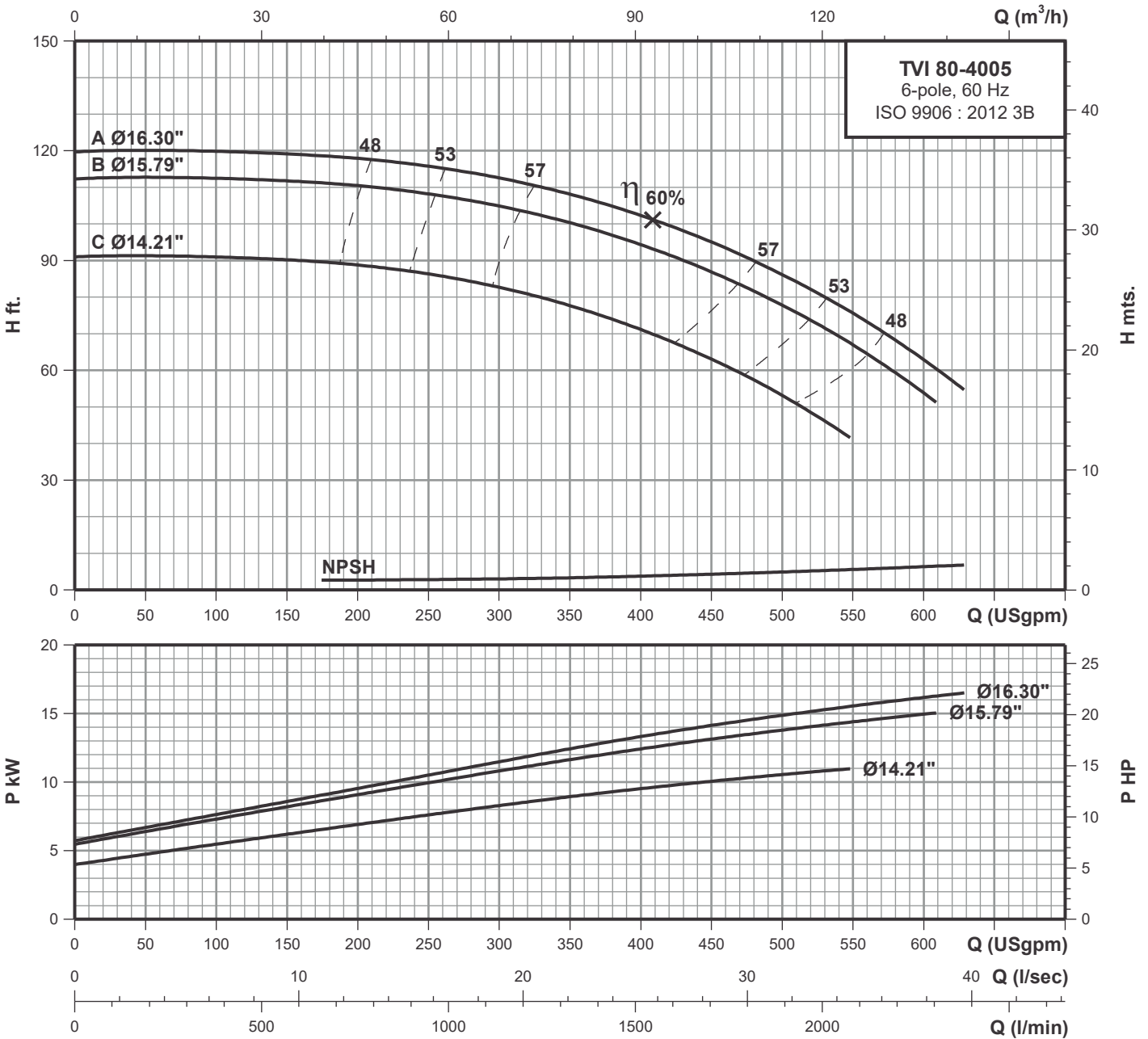


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 15 | 20 | 25 |
| | [kW] | 11 | 15 | 18.5 |
| Frame | | 284JM | 286JM | 324JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 3 | 3 | 3 |
| | [mm] | 80 | 80 | 80 |
| H1 | [inch] | 7.48 | 7.48 | 7.48 |
| | [mm] | 190 | 190 | 190 |
| H2 | [inch] | 5.83 | 5.83 | 5.55 |
| | [mm] | 148 | 148 | 141 |
| H3 | [inch] | 37.01 | 38.54 | 40.12 |
| | [mm] | 940 | 979 | 1019 |
| L1 | [inch] | 29.92 | 29.92 | 29.92 |
| | [mm] | 760 | 760 | 760 |
| C5 | [inch] | 15.94 | 15.94 | 15.94 |
| | [mm] | 405 | 405 | 405 |
| G1 | [inch] | 10 | 10 | 10 |
| | [mm] | 254 | 254 | 254 |
| G2 | [inch] | 10.87 | 10.87 | 10.87 |
| | [mm] | 276 | 276 | 276 |
| P | [inch] | 14.02 | 14.02 | 14.02 |
| | [mm] | 356 | 356 | 356 |
| AC | [inch] | 14.02 | 14.02 | 15.43 |
| | [mm] | 356 | 356 | 392 |
| AD | [inch] | 11.57 | 11.57 | 12.05 |
| | [mm] | 294 | 294 | 306 |
| Net weight | [lbs] | 683 | 741 | 851 |
| | [kg] | 310 | 336 | 386 |
| Gross weight | [lbs] | 895 | 952 | 1102 |
| | [kg] | 406 | 432 | 500 |
| Volume | [ft ³] | 32.6 | 32.6 | 44.08 |
| | [m ³] | 0.923 | 0.923 | 1.248 |

Performance curves

TVI 80-4005 6-pole

Close-coupled vertical in-line pumps



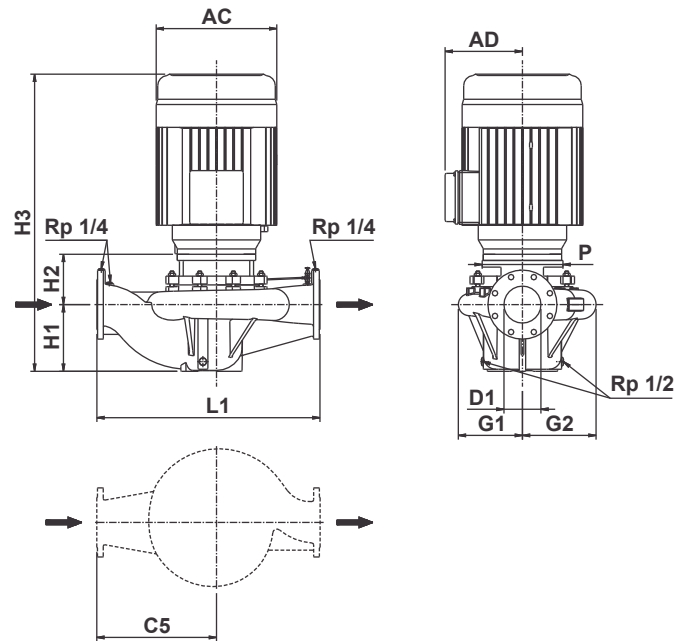
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 568 | 757 | 946 | 1136 | 1325 | 1514 | 1703 | 1893 | 2082 | 2271 |
|--------------|-------|------|----------------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| | HP | kW | | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 |
| TVI 80-4005C | 15.0 | 11.0 | H ft. | 90.3 | 88.8 | 86.3 | 82.9 | 77.7 | 71.2 | 63.2 | 53.4 | - | - |
| TVI 80-4005B | 20.0 | 15.0 | | 111.8 | 110.6 | 108.5 | 105 | 100.5 | 94.3 | 87.2 | 78 | 67 | 53.7 |
| TVI 80-4005A | 25.0 | 18.5 | | 119.2 | 118 | 115.8 | 112.4 | 108.1 | 102.3 | 95.2 | 86.3 | 75.6 | 62.9 |

Technical data

Close-coupled vertical in-line pumps

TVI 100-2005 6-pole

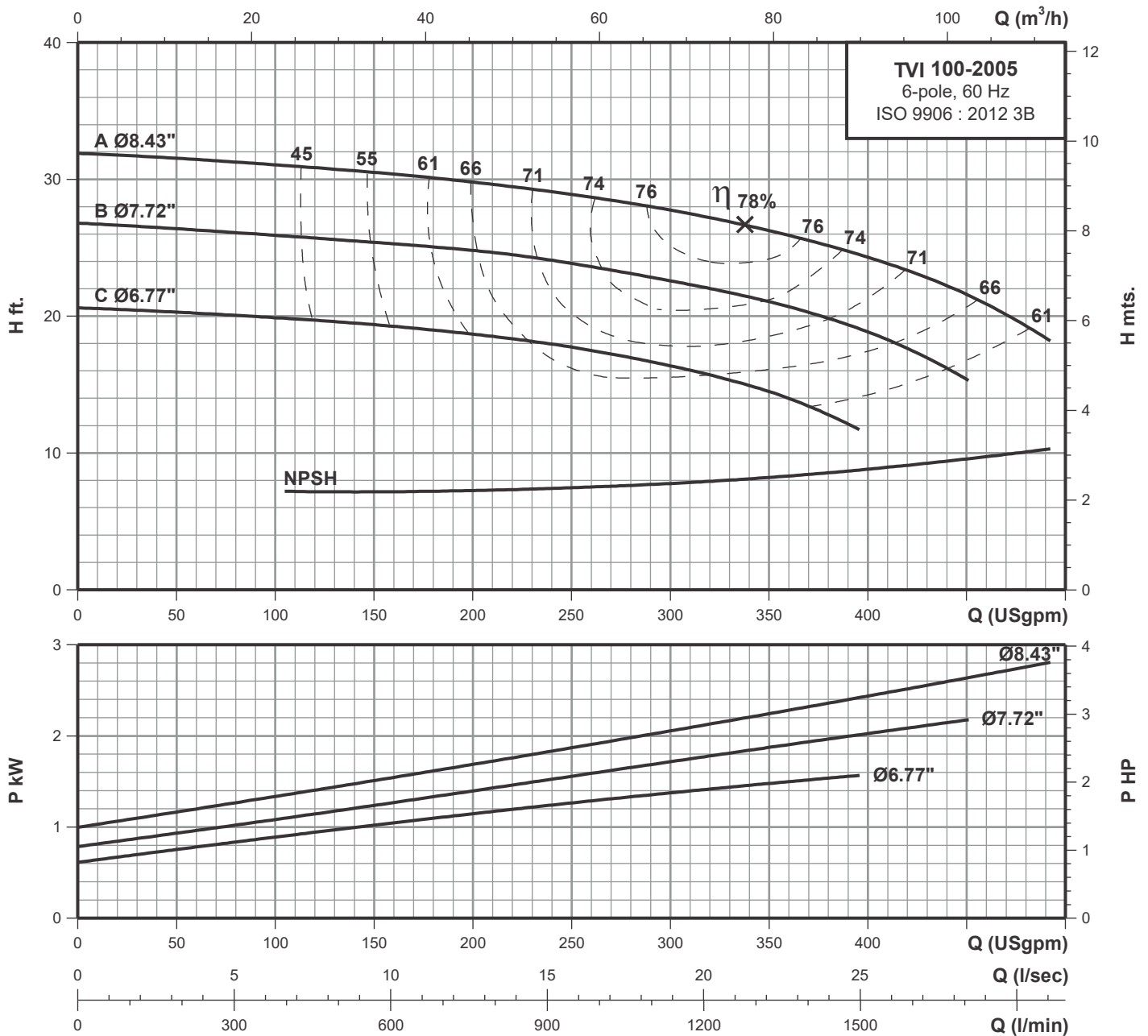


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 2 | 3 | 4 |
| | [kW] | 1.5 | 2.2 | 3 |
| Frame | | 184JM | 213JM | 215JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 4 | 4 | 4 |
| | [mm] | 100 | 100 | 100 |
| H1 | [inch] | 7.48 | 7.48 | 7.48 |
| | [mm] | 190 | 190 | 190 |
| H2 | [inch] | 4.53 | 4.76 | 4.76 |
| | [mm] | 115 | 121 | 121 |
| H3 | [inch] | 25.31 | 27.17 | 28.66 |
| | [mm] | 643 | 690 | 728 |
| L1 | [inch] | 24.41 | 24.41 | 24.41 |
| | [mm] | 620 | 620 | 620 |
| C5 | [inch] | 13.39 | 13.39 | 13.39 |
| | [mm] | 340 | 340 | 340 |
| G1 | [inch] | 8.03 | 8.03 | 8.03 |
| | [mm] | 204 | 204 | 204 |
| G2 | [inch] | 8.94 | 8.94 | 8.94 |
| | [mm] | 227 | 227 | 227 |
| P | [inch] | 6.5 | 8.86 | 8.86 |
| | [mm] | 165 | 225 | 225 |
| AC | [inch] | 8.58 | 10.24 | 10.24 |
| | [mm] | 218 | 260 | 260 |
| AD | [inch] | 6.46 | 7.4 | 7.4 |
| | [mm] | 164 | 188 | 188 |
| Net weight | [lbs] | 240 | 317 | 324 |
| | [kg] | 109 | 144 | 147 |
| Gross weight | [lbs] | 390 | 467 | 474 |
| | [kg] | 177 | 212 | 215 |
| Volume | [ft ³] | 19.12 | 19.12 | 19.12 |
| | [m ³] | 0.542 | 0.542 | 0.542 |

Performance curves

TVI 100-2005 6-pole

Close-coupled vertical in-line pumps



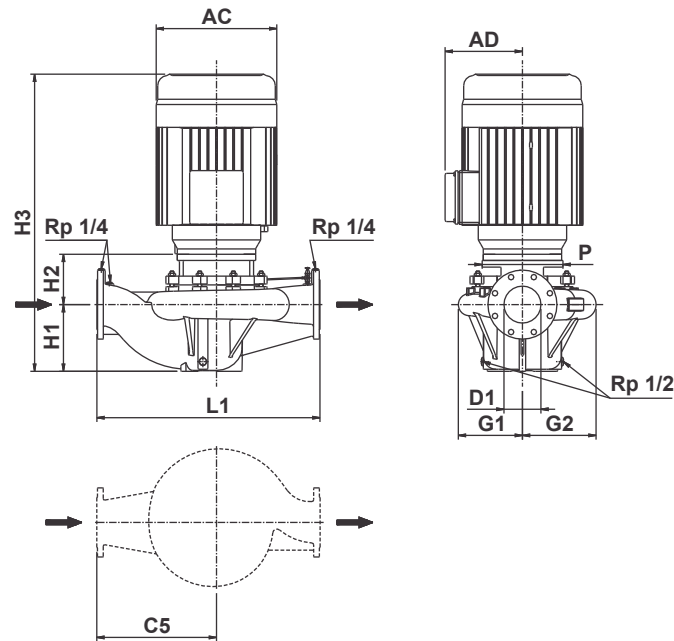
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 379 | 568 | 757 | 946 | 1136 | 1325 | 1514 | 1703 |
|---------------|-------|------|----------------|-----|------|------|------|------|------|------|------|
| | HP | kW | | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 |
| TVI 100-2005C | 2.00 | 1.50 | H ft. | 20 | 19.5 | 18.7 | 17.8 | 16.4 | 14.6 | - | - |
| TVI 100-2005B | 3.00 | 2.20 | | 26 | 25.3 | 24.8 | 24 | 22.7 | 21 | 18.8 | 15.5 |
| TVI 100-2005A | 4.00 | 3.00 | | 31 | 30.5 | 29.8 | 29 | 27.8 | 26.2 | 24.3 | 21.7 |

Technical data

Close-coupled vertical in-line pumps

TVI 100-2505 6-pole

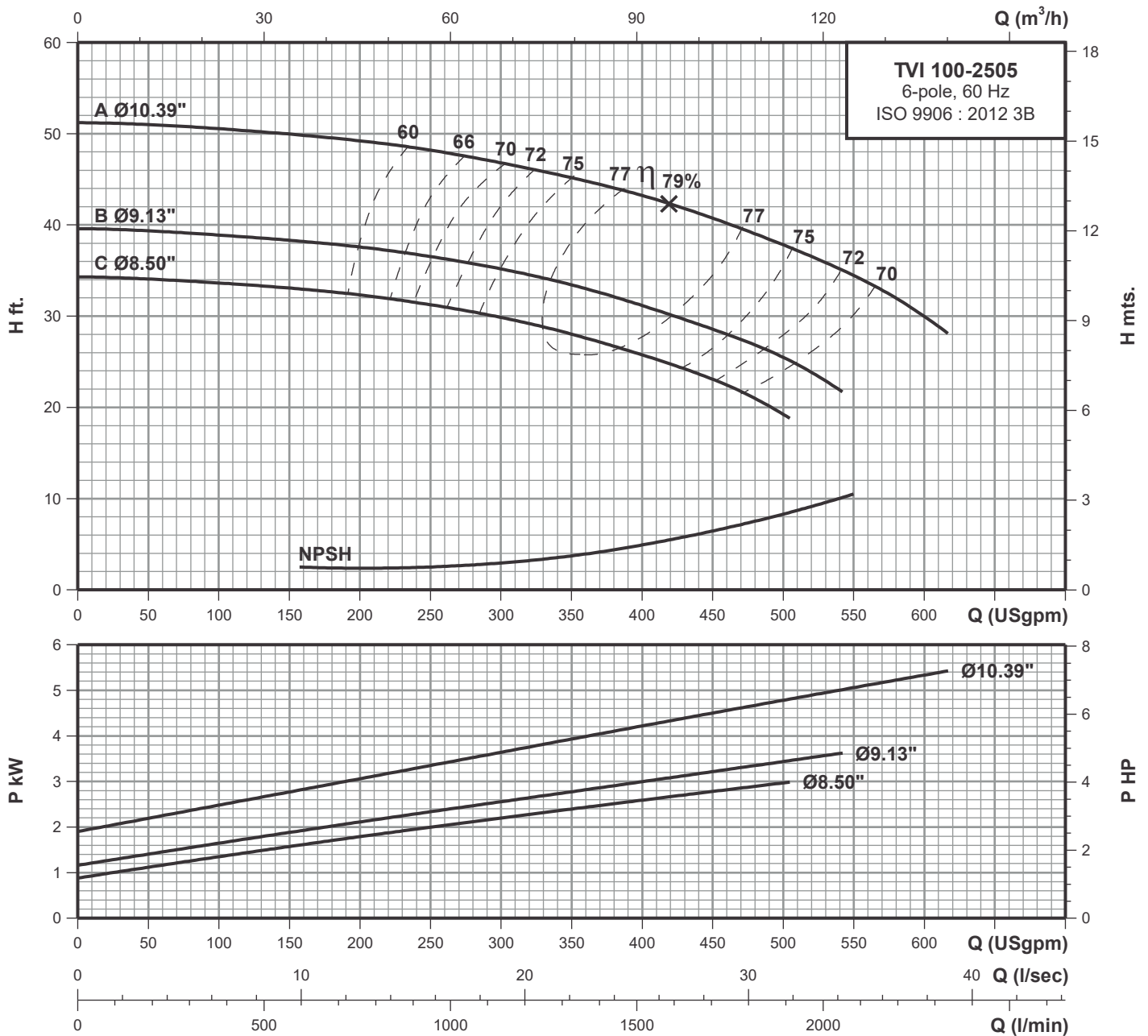


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 4 | 5 | 7.5 |
| | [kW] | 3 | 3.7 | 5.5 |
| Frame | | 215JM | 215JM | 254JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 4 | 4 | 4 |
| | [mm] | 100 | 100 | 100 |
| H1 | [inch] | 8.07 | 8.07 | 8.07 |
| | [mm] | 205 | 205 | 205 |
| H2 | [inch] | 4.57 | 4.57 | 5.39 |
| | [mm] | 116 | 116 | 137 |
| H3 | [inch] | 29.06 | 29.06 | 32.64 |
| | [mm] | 738 | 738 | 829 |
| L1 | [inch] | 26.02 | 26.02 | 26.02 |
| | [mm] | 661 | 661 | 661 |
| C5 | [inch] | 15 | 15 | 15 |
| | [mm] | 381 | 381 | 381 |
| G1 | [inch] | 7.28 | 7.28 | 7.28 |
| | [mm] | 185 | 185 | 185 |
| G2 | [inch] | 8.43 | 8.43 | 8.43 |
| | [mm] | 214 | 214 | 214 |
| P | [inch] | 8.86 | 8.86 | 10 |
| | [mm] | 225 | 225 | 254 |
| AC | [inch] | 10.24 | 10.24 | 11.93 |
| | [mm] | 260 | 260 | 303 |
| AD | [inch] | 7.4 | 7.4 | 9.49 |
| | [mm] | 188 | 188 | 241 |
| Net weight | [lbs] | 364 | 368 | 428 |
| | [kg] | 165 | 167 | 194 |
| Gross weight | [lbs] | 514 | 518 | 589 |
| | [kg] | 233 | 235 | 267 |
| Volume | [ft ³] | 19.12 | 19.12 | 21.46 |
| | [m ³] | 0.542 | 0.542 | 0.608 |

Performance curves

TVI 100-2505 6-pole

Close-coupled vertical in-line pumps



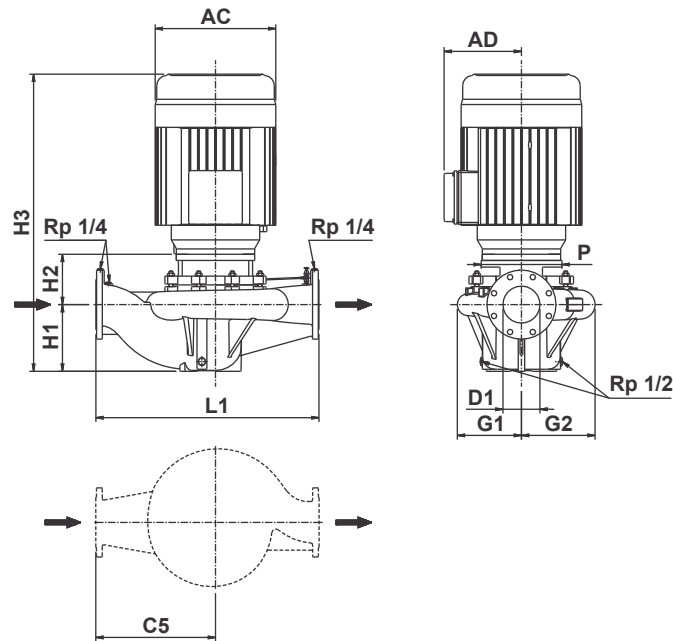
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 379 | 568 | 757 | 946 | 1136 | 1325 | 1514 | 1703 | 1893 | 2082 | 2271 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|------|------|------|------|
| | HP | kW | | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 |
| TVI 100-2505C | 4.00 | 3.00 | H ft. | 33.8 | 33 | 32.3 | 31.1 | 30 | 28 | 25.9 | 23 | 19.2 | - | - |
| TVI 100-2505B | 5.00 | 3.70 | | 38.9 | 38.3 | 37.8 | 36.6 | 35.2 | 33.5 | 31 | 28.7 | 23.5 | - | - |
| TVI 100-2505A | 7.50 | 5.50 | | 50.7 | 50 | 49.1 | 48 | 46.8 | 45.2 | 43.3 | 40.7 | 38 | 34.4 | 30 |

Technical data

Close-coupled vertical in-line pumps

TVI 100-3155 6-pole

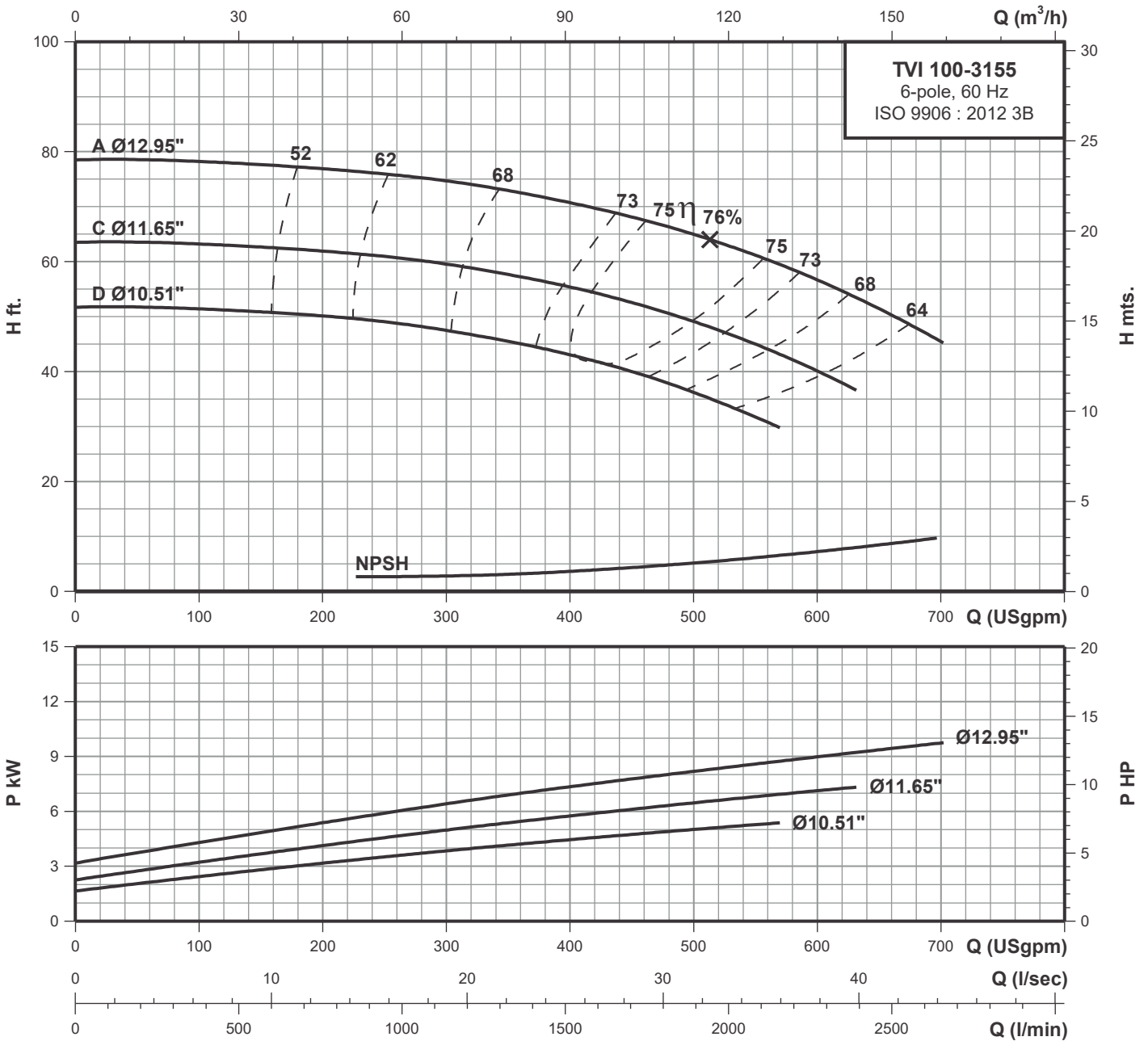


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 7.5 | 10 | 15 |
| | [kW] | 5.5 | 7.5 | 11 |
| Frame | | 254JM | 256JM | 284JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | A |
| D1 | [inch] | 4 | 4 | 4 |
| | [mm] | 100 | 100 | 100 |
| H1 | [inch] | 8.27 | 8.27 | 8.27 |
| | [mm] | 210 | 210 | 210 |
| H2 | [inch] | 5.43 | 5.43 | 5.39 |
| | [mm] | 138 | 138 | 137 |
| H3 | [inch] | 32.87 | 34.53 | 37.36 |
| | [mm] | 835 | 877 | 949 |
| L1 | [inch] | 27.36 | 27.36 | 27.36 |
| | [mm] | 695 | 695 | 695 |
| C5 | [inch] | 14.96 | 14.96 | 14.96 |
| | [mm] | 380 | 380 | 380 |
| G1 | [inch] | 8.46 | 8.46 | 8.46 |
| | [mm] | 215 | 215 | 215 |
| G2 | [inch] | 9.57 | 9.57 | 9.57 |
| | [mm] | 243 | 243 | 243 |
| P | [inch] | 10 | 10 | 14.02 |
| | [mm] | 254 | 254 | 356 |
| AC | [inch] | 11.93 | 11.93 | 14.02 |
| | [mm] | 303 | 303 | 356 |
| AD | [inch] | 9.49 | 9.49 | 11.57 |
| | [mm] | 241 | 241 | 294 |
| Net weight | [lbs] | 454 | 483 | 648 |
| | [kg] | 206 | 219 | 294 |
| Gross weight | [lbs] | 615 | 644 | 842 |
| | [kg] | 279 | 292 | 382 |
| Volume | [ft ³] | 21.46 | 21.46 | 28.97 |
| | [m ³] | 0.608 | 0.608 | 0.820 |

Performance curves

TVI 100-3155 6-pole

Close-coupled vertical in-line pumps



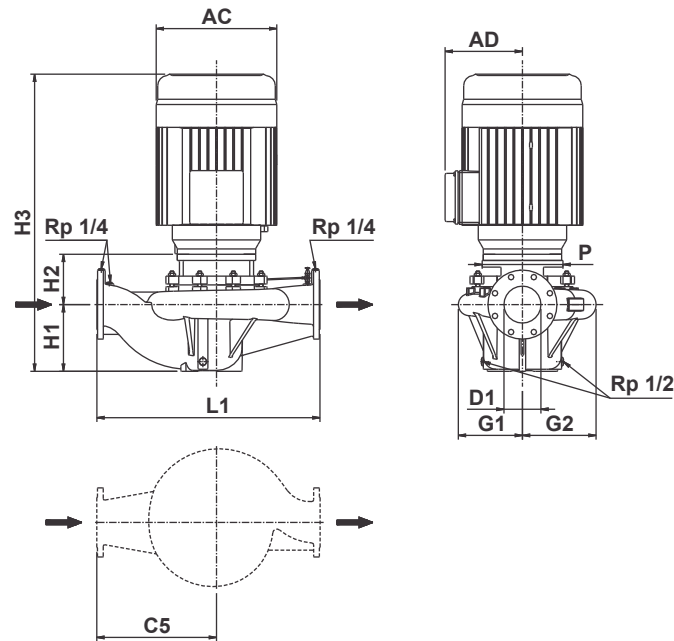
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 379 | 757 | 1136 | 1514 | 1893 | 2271 | 2650 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|
| | HP | kW | | 100 | 200 | 300 | 400 | 500 | 600 | 700 |
| TVI 100-3155D | 7.50 | 5.50 | H ft. | 51.3 | 50 | 47.6 | 43 | 36.3 | - | - |
| TVI 100-3155C | 10.0 | 7.50 | | 63.1 | 61.9 | 59.5 | 55.5 | 49.1 | 40.3 | - |
| TVI 100-3155A | 15.0 | 11.0 | | 78.4 | 76.9 | 74.7 | 70.7 | 64.9 | 56.7 | 45.3 |

Technical data

Close-coupled vertical in-line pumps

TVI 100-4005 6-pole

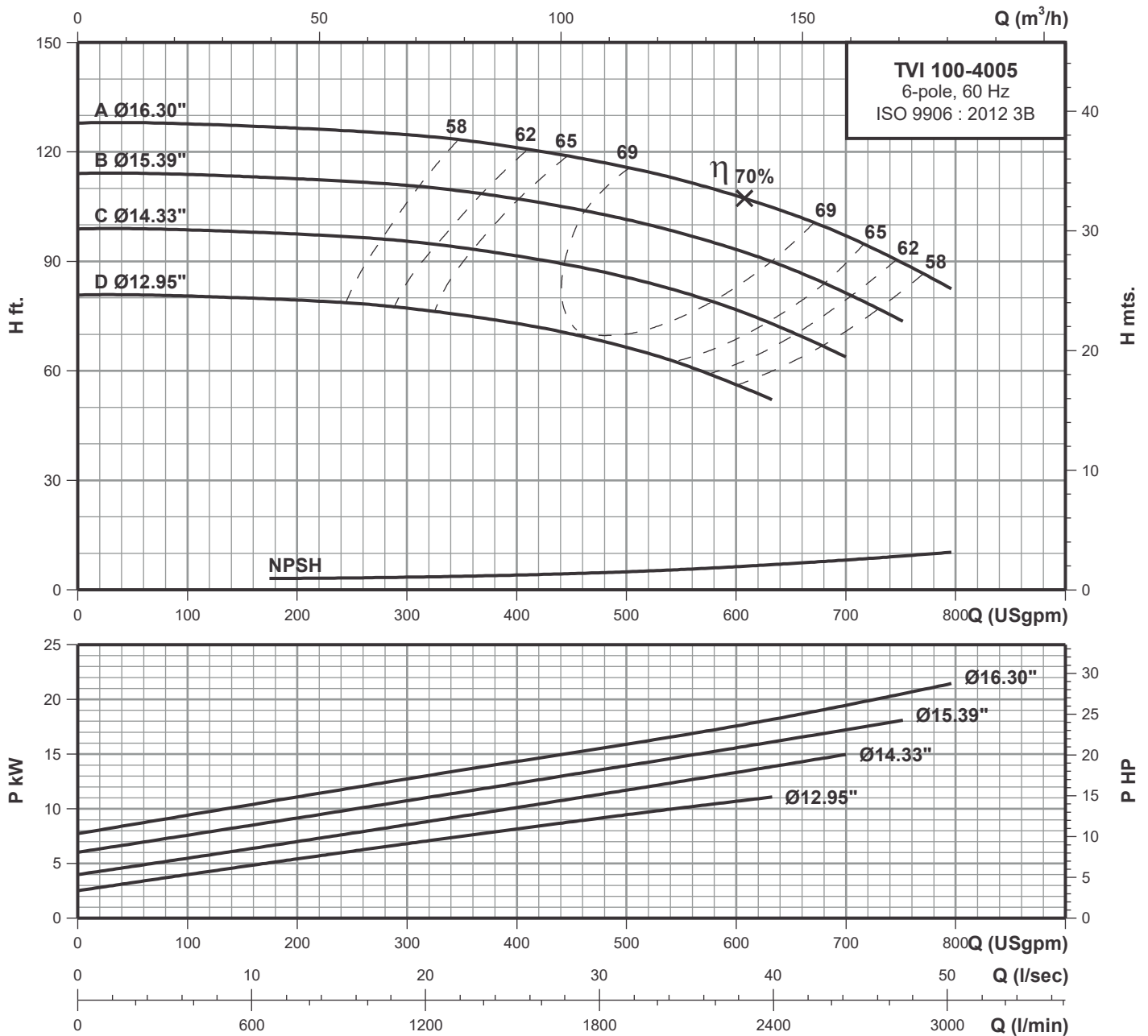


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 15 | 20 | 25 | 30 |
| | [kW] | 11 | 15 | 18.5 | 22 |
| Frame | | 284JM | 286JM | 324JM | 326JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 4 | 4 | 4 | 4 |
| | [mm] | 100 | 100 | 100 | 100 |
| H1 | [inch] | 8.46 | 8.46 | 8.46 | 8.46 |
| | [mm] | 215 | 215 | 215 | 215 |
| H2 | [inch] | 5.83 | 5.83 | 5.55 | 5.55 |
| | [mm] | 148 | 148 | 141 | 141 |
| H3 | [inch] | 37.99 | 39.53 | 41.1 | 41.1 |
| | [mm] | 965 | 1004 | 1044 | 1044 |
| L1 | [inch] | 30.71 | 30.71 | 30.71 | 30.71 |
| | [mm] | 780 | 780 | 780 | 780 |
| C5 | [inch] | 16.73 | 16.73 | 16.73 | 16.73 |
| | [mm] | 425 | 425 | 425 | 425 |
| G1 | [inch] | 8.03 | 8.03 | 8.03 | 8.03 |
| | [mm] | 204 | 204 | 204 | 204 |
| G2 | [inch] | 8.94 | 8.94 | 8.94 | 8.94 |
| | [mm] | 227 | 227 | 227 | 227 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 14.02 |
| | [mm] | 356 | 356 | 356 | 356 |
| AC | [inch] | 14.02 | 14.02 | 15.43 | 15.43 |
| | [mm] | 356 | 356 | 392 | 392 |
| AD | [inch] | 11.57 | 11.57 | 12.05 | 12.05 |
| | [mm] | 294 | 294 | 306 | 306 |
| Net weight | [lbs] | 719 | 776 | 886 | 913 |
| | [kg] | 326 | 352 | 402 | 414 |
| Gross weight | [lbs] | 930 | 988 | 1138 | 1164 |
| | [kg] | 422 | 448 | 516 | 528 |
| Volume | [ft ³] | 32.6 | 32.6 | 44.08 | 44.08 |
| | [m ³] | 0.923 | 0.923 | 1.248 | 1.248 |

Performance curves

TVI 100-4005 6-pole

Close-coupled vertical in-line pumps



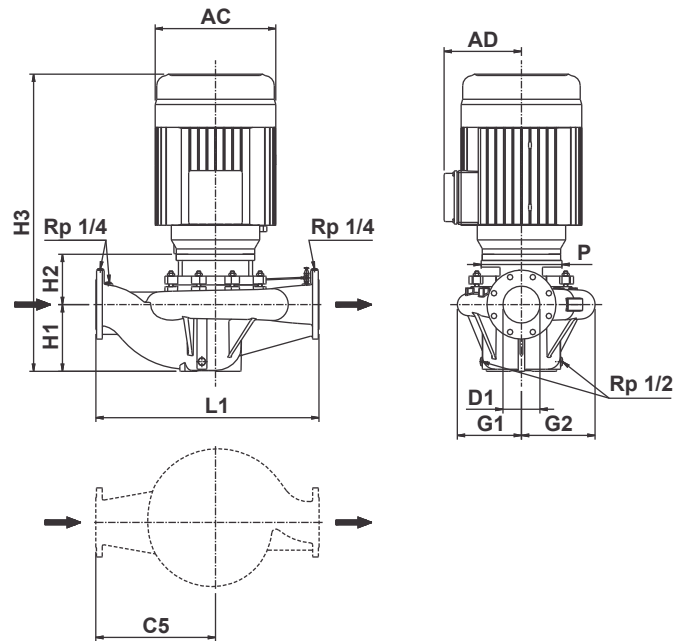
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 379 | 757 | 1136 | 1514 | 1893 | 2271 | 2650 |
|---------------|-------|------|----------------|-------|-------|-------|-------|-------|------|------|
| | HP | kW | | 100 | 200 | 300 | 400 | 500 | 600 | 700 |
| TVI 100-4005D | 15.0 | 11.0 | H ft. | 80.4 | 79.4 | 77.2 | 73 | 66.6 | 56.4 | - |
| TVI 100-4005C | 20.0 | 15.0 | | 98.7 | 97.6 | 95.5 | 91.5 | 85.7 | 77 | 63.7 |
| TVI 100-4005B | 25.0 | 18.5 | | 113.7 | 112.7 | 110.8 | 107.1 | 101.5 | 93.4 | 81.5 |
| TVI 100-4005A | 30.0 | 22.0 | | 127.8 | 126.5 | 124.8 | 121.2 | 115.9 | 108 | 97.1 |

Technical data

Close-coupled vertical in-line pumps

TVI 125-2005 6-pole

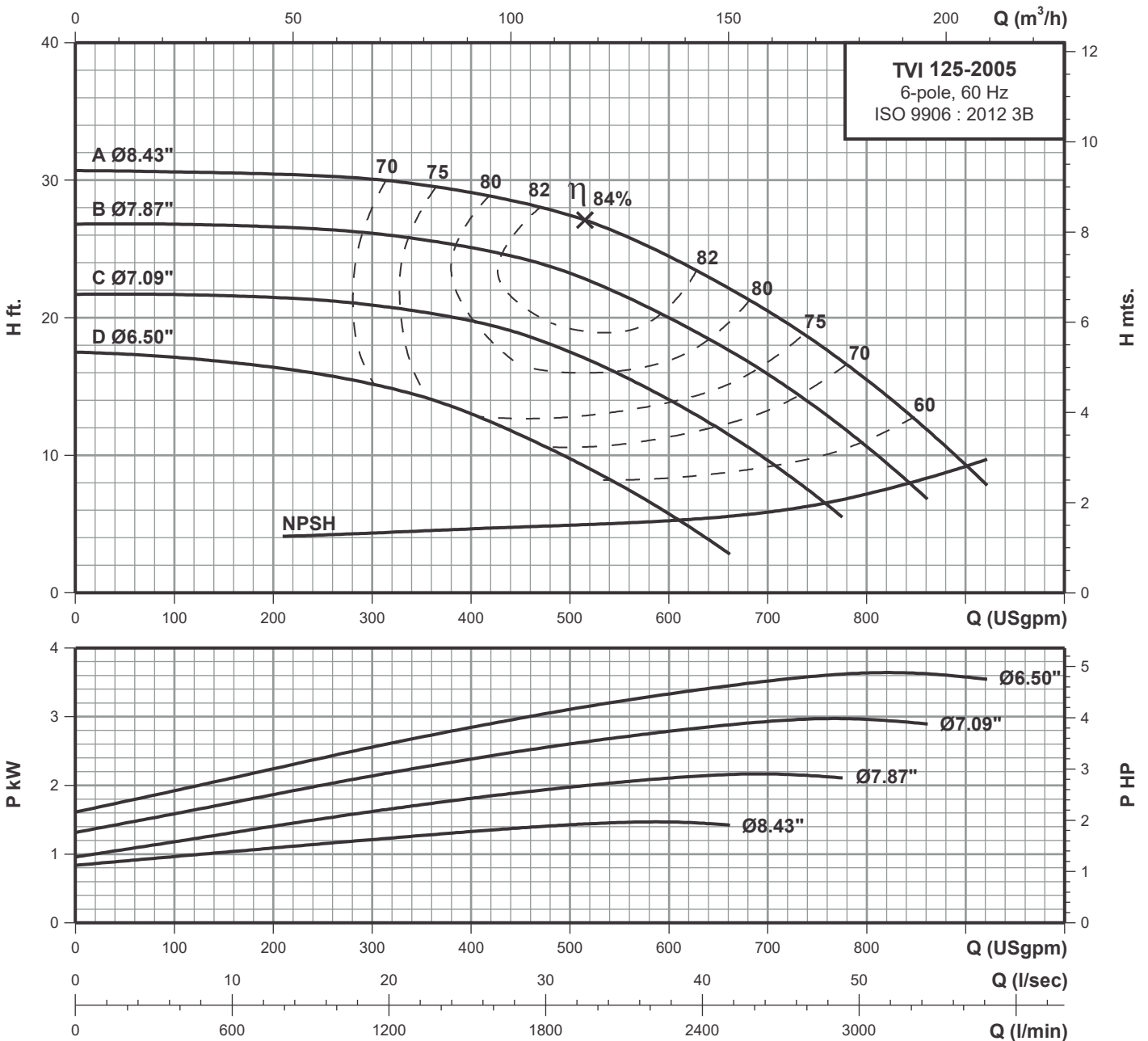


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 2 | 3 | 4 | 5 |
| | [kW] | 1.5 | 2.2 | 3 | 3.7 |
| Frame | | 184JM | 213JM | 215JM | 215JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 5 | 5 | 5 | 5 |
| | [mm] | 125 | 125 | 125 | 125 |
| H1 | [inch] | 6.69 | 6.69 | 6.69 | 6.69 |
| | [mm] | 170 | 170 | 170 | 170 |
| H2 | [inch] | 4.53 | 4.76 | 4.76 | 4.76 |
| | [mm] | 115 | 121 | 121 | 121 |
| H3 | [inch] | 24.53 | 26.38 | 27.87 | 27.87 |
| | [mm] | 623 | 670 | 708 | 708 |
| L1 | [inch] | 26.77 | 26.77 | 26.77 | 26.77 |
| | [mm] | 680 | 680 | 680 | 680 |
| C5 | [inch] | 14.96 | 14.96 | 14.96 | 14.96 |
| | [mm] | 380 | 380 | 380 | 380 |
| G1 | [inch] | 7.01 | 7.01 | 7.01 | 7.01 |
| | [mm] | 178 | 178 | 178 | 178 |
| G2 | [inch] | 8.58 | 8.58 | 8.58 | 8.58 |
| | [mm] | 218 | 218 | 218 | 218 |
| P | [inch] | 6.50 | 8.86 | 8.86 | 8.86 |
| | [mm] | 165 | 225 | 225 | 225 |
| AC | [inch] | 8.58 | 10.24 | 10.24 | 10.24 |
| | [mm] | 218 | 260 | 260 | 260 |
| AD | [inch] | 6.46 | 7.40 | 7.40 | 7.40 |
| | [mm] | 164 | 188 | 188 | 188 |
| Net weight | [lbs] | 319 | 370 | 376 | 381 |
| | [kg] | 145 | 168 | 171 | 173 |
| Gross weight | [lbs] | 383 | 444 | 451 | 457 |
| | [kg] | 174 | 202 | 205 | 208 |
| Volume | [ft ³] | 14.08 | 14.94 | 15.63 | 15.63 |
| | [m ³] | 0.40 | 0.42 | 0.44 | 0.44 |

Performance curves

TVI 125-2005 6-pole

Close-coupled vertical in-line pumps



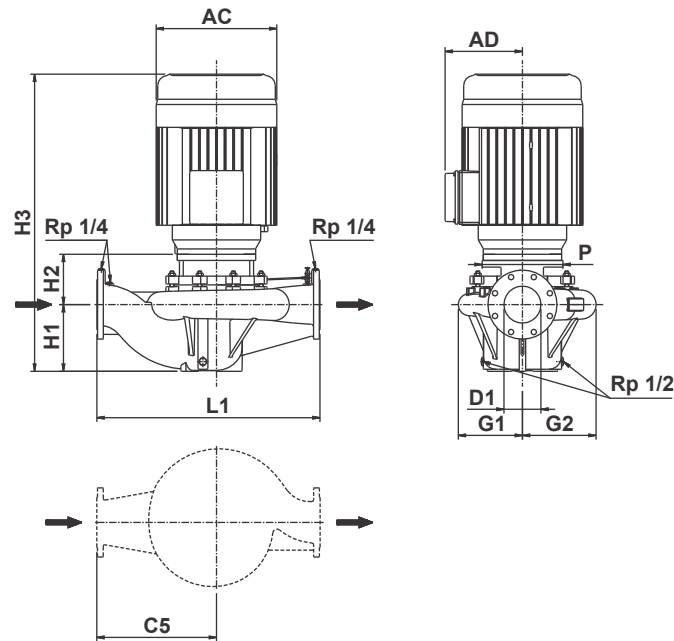
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 757 | 1136 | 1514 | 1893 | 2271 | 2650 | 3028 | 3407 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|------|
| | HP | kW | | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
| TVI 125-2005D | 2.00 | 1.50 | H ft. | 16.4 | 15.2 | 13 | 9.7 | 5.7 | - | - | - |
| TVI 125-2005C | 3.00 | 2.20 | | 21.5 | 20.9 | 19.5 | 17.5 | 14 | 9.5 | - | - |
| TVI 125-2005B | 4.00 | 3.00 | | 26.5 | 26.1 | 25 | 23.2 | 20 | 16 | 10.6 | - |
| TVI 125-2005A | 5.00 | 3.70 | | 30.4 | 30 | 29.1 | 27.4 | 24.5 | 20.4 | 15.4 | 9.3 |

Technical data

Close-coupled vertical in-line pumps

TVI 125-2505 6-pole

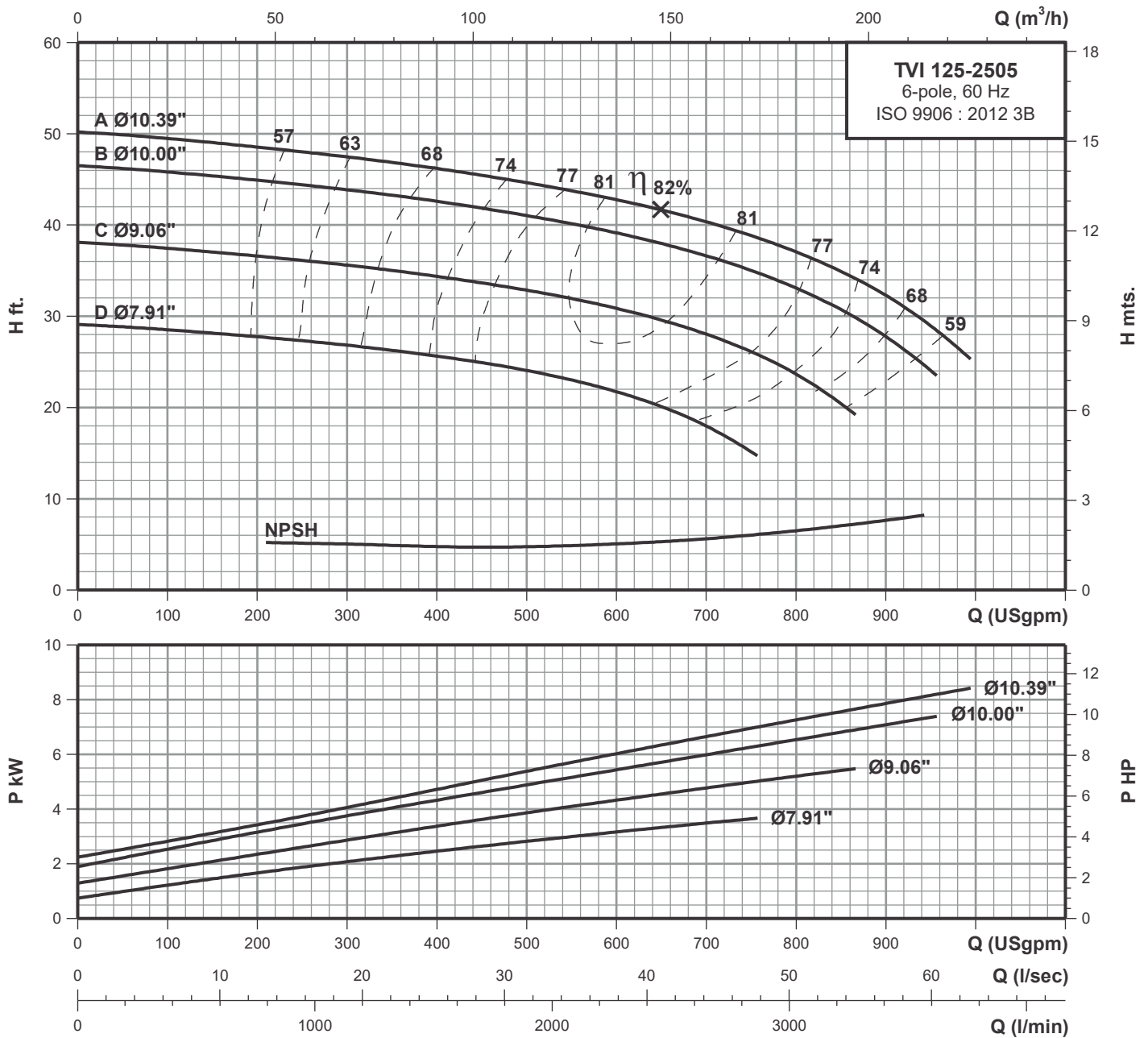


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 5 | 7.5 | 10 | 15 |
| | [kW] | 3.7 | 5.5 | 7.5 | 11 |
| Frame | | 215JM | 254JM | 256JM | 284JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 5 | 5 | 5 | 5 |
| | [mm] | 125 | 125 | 125 | 125 |
| H1 | [inch] | 9.25 | 9.25 | 9.25 | 9.25 |
| | [mm] | 235 | 235 | 235 | 235 |
| H2 | [inch] | 4.65 | 5.43 | 5.43 | 5.43 |
| | [mm] | 118 | 138 | 138 | 138 |
| H3 | [inch] | 30.31 | 33.86 | 35.51 | 38.39 |
| | [mm] | 770 | 860 | 902 | 975 |
| L1 | [inch] | 29.92 | 29.92 | 29.92 | 29.92 |
| | [mm] | 760 | 760 | 760 | 760 |
| C5 | [inch] | 15.94 | 15.94 | 15.94 | 15.94 |
| | [mm] | 405 | 405 | 405 | 405 |
| G1 | [inch] | 8.03 | 8.03 | 8.03 | 8.03 |
| | [mm] | 204 | 204 | 204 | 204 |
| G2 | [inch] | 8.94 | 8.94 | 8.94 | 8.94 |
| | [mm] | 227 | 227 | 227 | 227 |
| P | [inch] | 8.86 | 10 | 10 | 14.02 |
| | [mm] | 225 | 254 | 254 | 356 |
| AC | [inch] | 10.24 | 11.93 | 11.93 | 14.02 |
| | [mm] | 260 | 303 | 303 | 356 |
| AD | [inch] | 7.4 | 9.49 | 9.49 | 11.57 |
| | [mm] | 188 | 241 | 241 | 294 |
| Net weight | [lbs] | 481 | 538 | 567 | 758 |
| | [kg] | 218 | 244 | 257 | 344 |
| Gross weight | [lbs] | 646 | 734 | 763 | 970 |
| | [kg] | 293 | 333 | 346 | 440 |
| Volume | [ft ³] | 21.59 | 28.32 | 28.32 | 32.60 |
| | [m ³] | 0.611 | 0.802 | 0.802 | 0.923 |

Performance curves

TVI 125-2505 6-pole

Close-coupled vertical in-line pumps



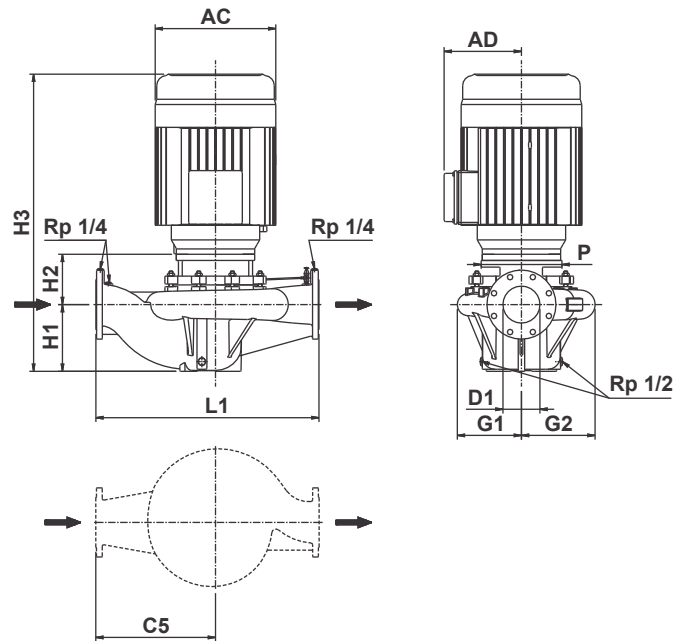
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 379 | 757 | 1136 | 1514 | 1893 | 2271 | 2650 | 3028 | 3407 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|------|------|
| | HP | kW | | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
| TVI 125-2505D | 5.00 | 3.70 | H ft. | 28.6 | 28 | 26.9 | 25.8 | 24 | 21.8 | 18 | - | - |
| TVI 125-2505C | 7.50 | 5.50 | | 37.5 | 36.6 | 35.7 | 34.4 | 32.9 | 30.8 | 28 | 23.9 | - |
| TVI 125-2505B | 10.0 | 7.50 | | 46 | 44.9 | 44 | 42.7 | 41 | 39.2 | 36.7 | 33.1 | 27.9 |
| TVI 125-2505A | 15 | 11.0 | | 49.5 | 48.5 | 47.5 | 46.1 | 44.7 | 42.8 | 40.4 | 37 | 32.1 |

Technical data

Close-coupled vertical in-line pumps

TVI 125-3155 6-pole

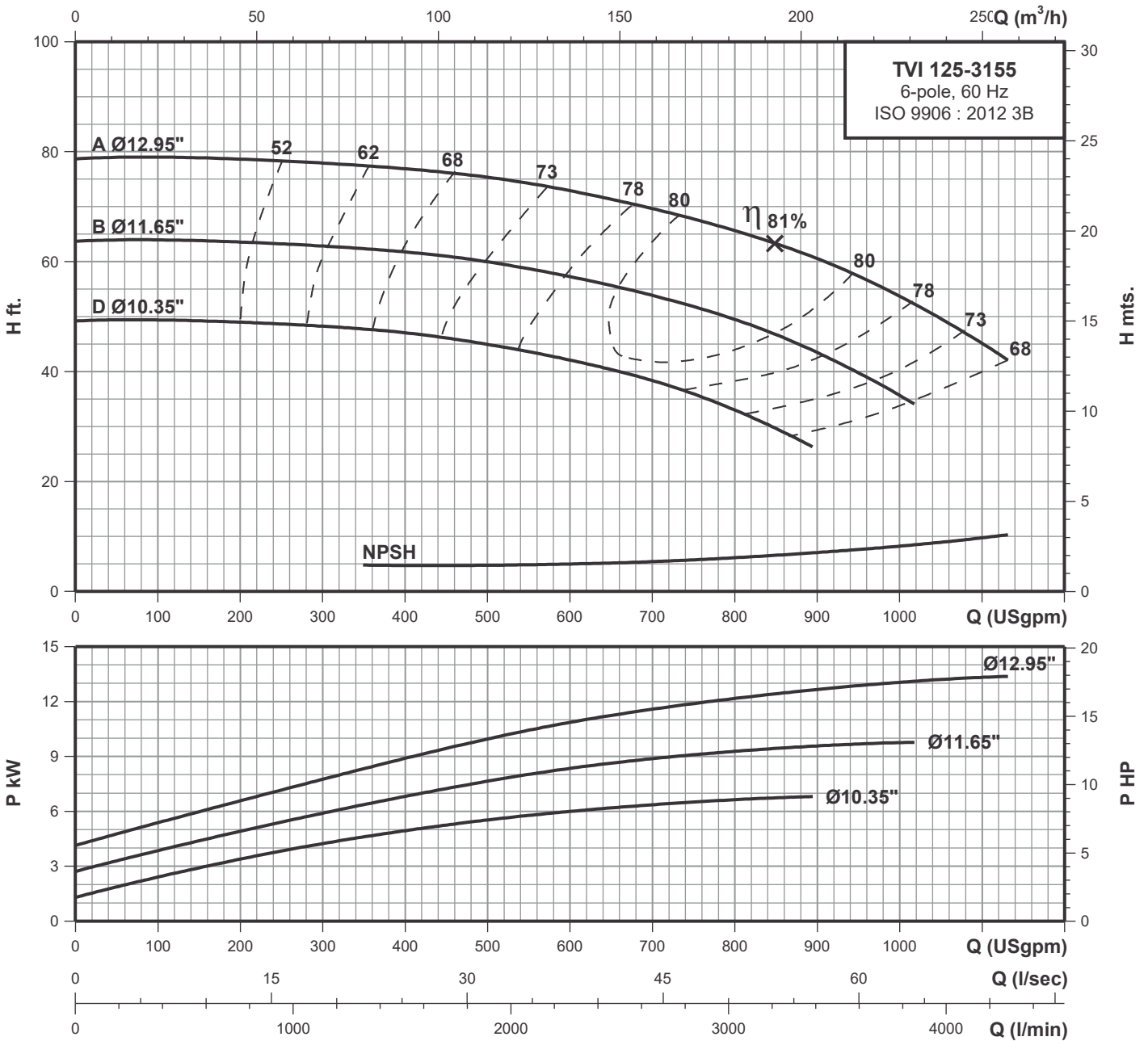


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 10 | 15 | 20 |
| | [kW] | 7.5 | 11 | 15 |
| Frame | | 256JM | 284JM | 286JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | D | B | A |
| D1 | [inch] | 5 | 5 | 5 |
| | [mm] | 125 | 125 | 125 |
| H1 | [inch] | 8.66 | 8.66 | 8.66 |
| | [mm] | 220 | 220 | 220 |
| H2 | [inch] | 5.83 | 5.83 | 5.83 |
| | [mm] | 148 | 148 | 148 |
| H3 | [inch] | 35.31 | 38.19 | 39.72 |
| | [mm] | 897 | 970 | 1009 |
| L1 | [inch] | 30.51 | 30.51 | 30.51 |
| | [mm] | 775 | 775 | 775 |
| C5 | [inch] | 16.54 | 16.54 | 16.54 |
| | [mm] | 420 | 420 | 420 |
| G1 | [inch] | 8.94 | 8.94 | 8.94 |
| | [mm] | 227 | 227 | 227 |
| G2 | [inch] | 10.35 | 10.35 | 10.35 |
| | [mm] | 263 | 263 | 263 |
| P | [inch] | 10 | 14.02 | 14.02 |
| | [mm] | 254 | 356 | 356 |
| AC | [inch] | 11.93 | 14.02 | 14.02 |
| | [mm] | 303 | 356 | 356 |
| AD | [inch] | 9.49 | 11.57 | 11.57 |
| | [mm] | 241 | 294 | 294 |
| Net weight | [lbs] | 556 | 721 | 780 |
| | [kg] | 252 | 327 | 354 |
| Gross weight | [lbs] | 752 | 933 | 992 |
| | [kg] | 341 | 423 | 450 |
| Volume | [ft ³] | 28.32 | 32.6 | 32.6 |
| | [m ³] | 0.802 | 0.923 | 0.923 |

Performance curves

TVI 125-3155 6-pole

Close-coupled vertical in-line pumps



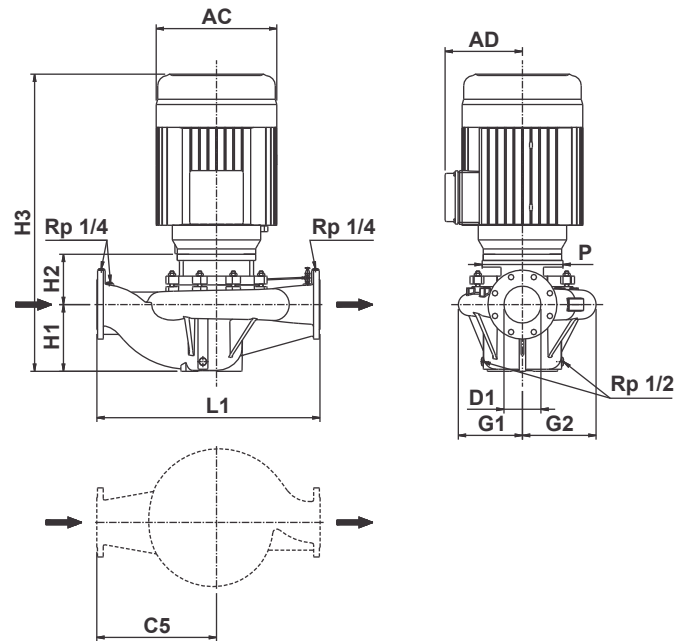
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 379 | 757 | 1136 | 1514 | 1893 | 2271 | 2650 | 3028 | 3407 | 3785 | 4164 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|------|------|------|------|
| | HP | kW | | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 |
| TVI 125-3155D | 10.0 | 7.50 | H ft. | 49.4 | 49 | 48.2 | 47 | 44.9 | 42.1 | 38.4 | 33.1 | - | - | - |
| TVI 125-3155B | 15.0 | 11.0 | | 64 | 63.5 | 62.8 | 61.7 | 60 | 57.2 | 53.9 | 49.6 | 43.5 | 35.7 | - |
| TVI 125-3155A | 20.0 | 15.0 | | 79 | 78.7 | 78 | 77 | 75.4 | 72.8 | 69.7 | 65.6 | 60.3 | 53.7 | 45.1 |

Technical data

Close-coupled vertical in-line pumps

TVI 125-4005 6-pole

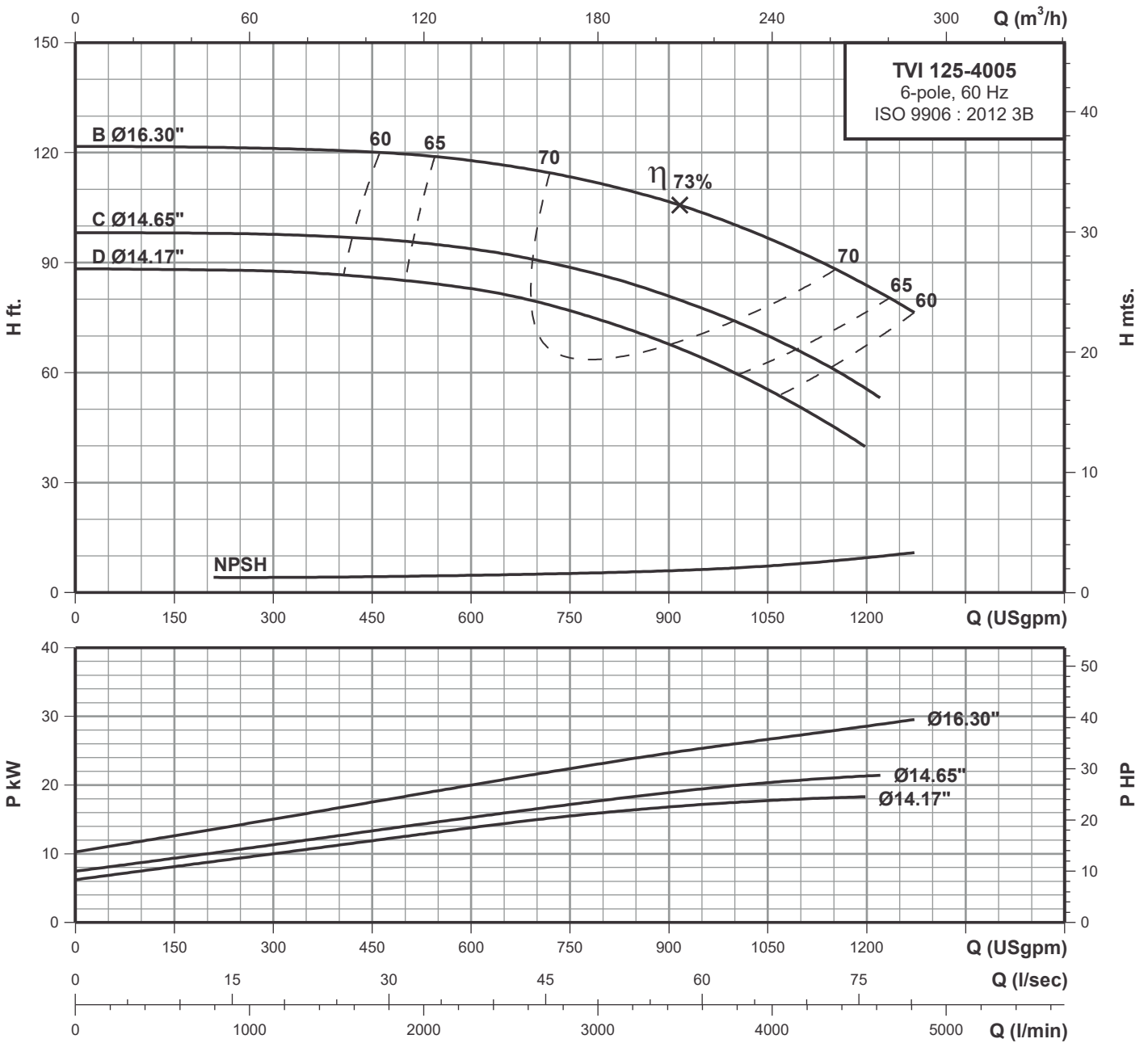


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 25 | 30 | 40 |
| | [kW] | 18.5 | 22 | 30 |
| Frame | | 324JM | 326JM | 364JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B |
| D1 | [inch] | 5 | 5 | 5 |
| | [mm] | 125 | 125 | 125 |
| H1 | [inch] | 9.65 | 9.65 | 9.65 |
| | [mm] | 245 | 245 | 245 |
| H2 | [inch] | 5.55 | 5.55 | 5.55 |
| | [mm] | 141 | 141 | 141 |
| H3 | [inch] | 42.28 | 42.28 | 42.76 |
| | [mm] | 1074 | 1074 | 1086 |
| L1 | [inch] | 34.45 | 34.45 | 34.45 |
| | [mm] | 875 | 875 | 875 |
| C5 | [inch] | 18.7 | 18.7 | 18.7 |
| | [mm] | 475 | 475 | 475 |
| G1 | [inch] | 10.47 | 10.47 | 10.47 |
| | [mm] | 266 | 266 | 266 |
| G2 | [inch] | 11.77 | 11.77 | 11.77 |
| | [mm] | 299 | 299 | 299 |
| P | [inch] | 14.02 | 14.02 | 14.02 |
| | [mm] | 356 | 356 | 356 |
| AC | [inch] | 15.43 | 15.43 | 16.5 |
| | [mm] | 392 | 392 | 419 |
| AD | [inch] | 12.05 | 12.05 | 12.91 |
| | [mm] | 306 | 306 | 328 |
| Net weight | [lbs] | 972 | 992 | 1127 |
| | [kg] | 441 | 450 | 511 |
| Gross weight | [lbs] | 1224 | 1243 | 1378 |
| | [kg] | 555 | 564 | 625 |
| Volume | [ft ³] | 44.08 | 44.08 | 44.08 |
| | [m ³] | 1.248 | 1.248 | 1.248 |

Performance curves

TVI 125-4005 6-pole

Close-coupled vertical in-line pumps



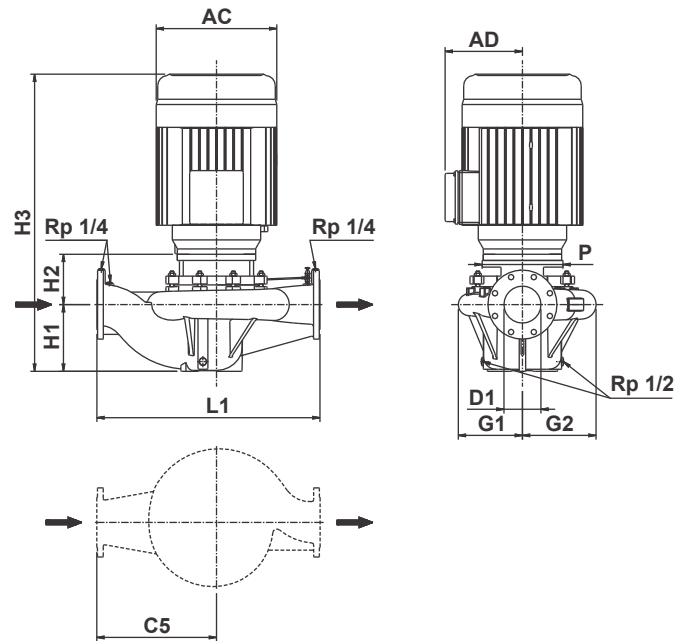
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 568 | 1136 | 1703 | 2271 | 2839 | 3407 | 3975 | 4542 |
|---------------|-------|------|----------------|-------|-------|------|-------|-------|-------|------|------|
| | HP | kW | | 150 | 300 | 450 | 600 | 750 | 900 | 1050 | 1200 |
| TVI 125-4005D | 25.0 | 18.5 | H ft. | 87.9 | 87.5 | 86.1 | 83 | 77 | 68 | 55.7 | - |
| TVI 125-4005C | 30.0 | 22.0 | | 98.1 | 97.7 | 96.7 | 94 | 88.6 | 81 | 70 | 55.7 |
| TVI 125-4005B | 40.0 | 30.0 | | 121.6 | 121.2 | 120 | 118.1 | 113.5 | 106.5 | 96.7 | 84 |

Technical data

Close-coupled vertical in-line pumps

TVI 150-2005 6-pole

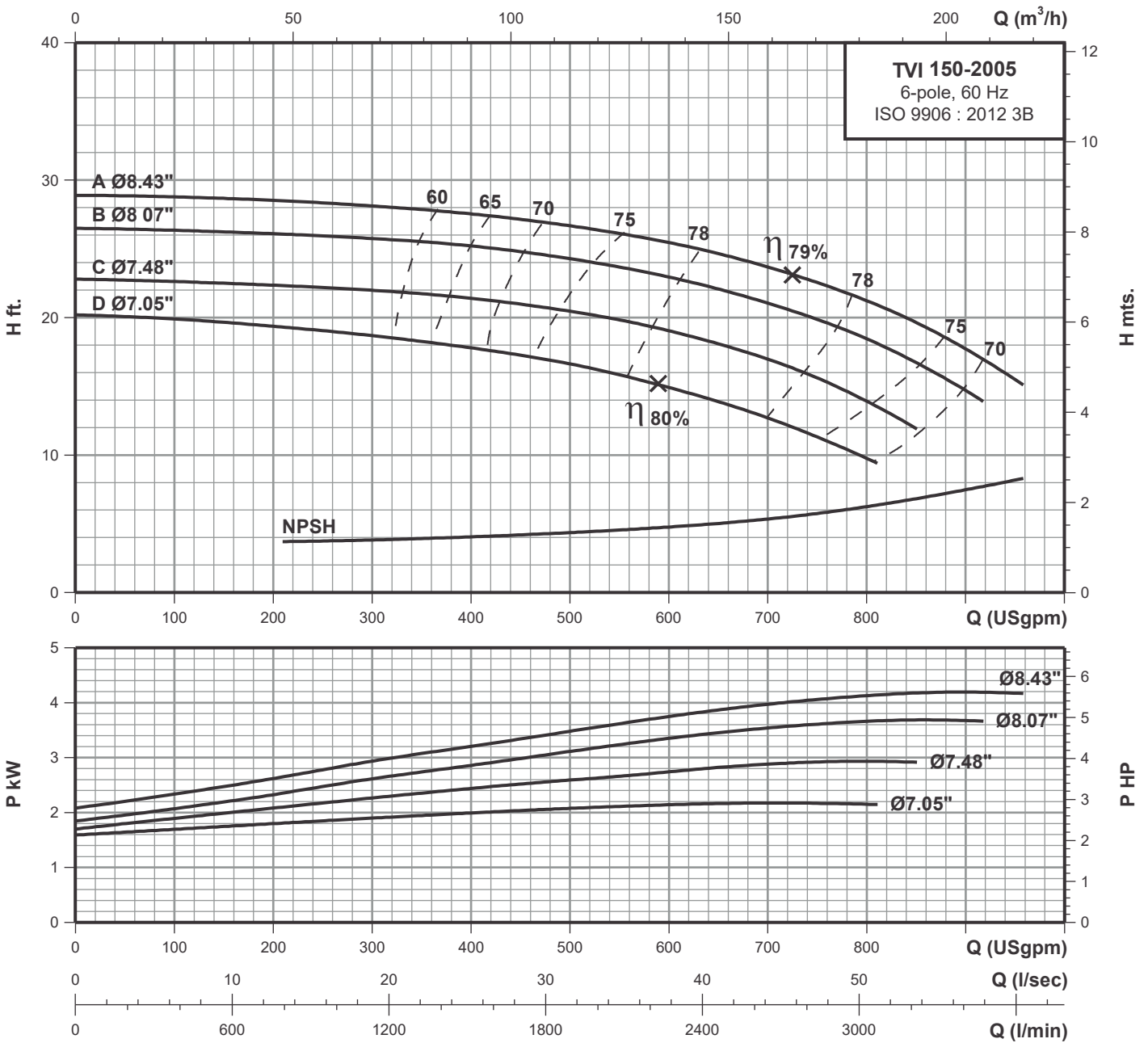


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 3 | 4 | 5 | 7.5 |
| | [kW] | 2.2 | 3 | 3.7 | 5.5 |
| Frame | | 213JM | 215JM | 215JM | 254JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 6 | 6 | 6 | 6 |
| | [mm] | 150 | 150 | 150 | 150 |
| H1 | [inch] | 8.35 | 8.35 | 8.35 | 8.35 |
| | [mm] | 212 | 212 | 212 | 212 |
| H2 | [inch] | 4.96 | 4.96 | 4.96 | 5.75 |
| | [mm] | 126 | 126 | 126 | 146 |
| H3 | [inch] | 28.03 | 29.53 | 29.53 | 32.91 |
| | [mm] | 712 | 750 | 750 | 836 |
| L1 | [inch] | 29.33 | 29.33 | 29.33 | 29.33 |
| | [mm] | 745 | 745 | 745 | 745 |
| C5 | [inch] | 16.54 | 16.54 | 16.54 | 16.54 |
| | [mm] | 420 | 420 | 420 | 420 |
| G1 | [inch] | 7.52 | 7.52 | 7.52 | 7.52 |
| | [mm] | 191 | 191 | 191 | 191 |
| G2 | [inch] | 9.57 | 9.57 | 9.57 | 9.57 |
| | [mm] | 243 | 243 | 243 | 243 |
| P | [inch] | 8.86 | 8.86 | 8.86 | 10.00 |
| | [mm] | 225 | 225 | 225 | 254 |
| AC | [inch] | 10.24 | 10.24 | 10.24 | 11.93 |
| | [mm] | 260 | 260 | 260 | 303 |
| AD | [inch] | 7.40 | 7.40 | 7.40 | 9.49 |
| | [mm] | 188 | 188 | 188 | 241 |
| Net weight | [lbs] | 416 | 422 | 427 | 486 |
| | [kg] | 189 | 192 | 194 | 221 |
| Gross weight | [lbs] | 499 | 507 | 512 | 583 |
| | [kg] | 227 | 230 | 233 | 265 |
| Volume | [ft ³] | 17.97 | 18.76 | 18.76 | 20.55 |
| | [m ³] | 0.51 | 0.53 | 0.53 | 0.58 |

Performance curves

TVI 150-2005 6-pole

Close-coupled vertical in-line pumps



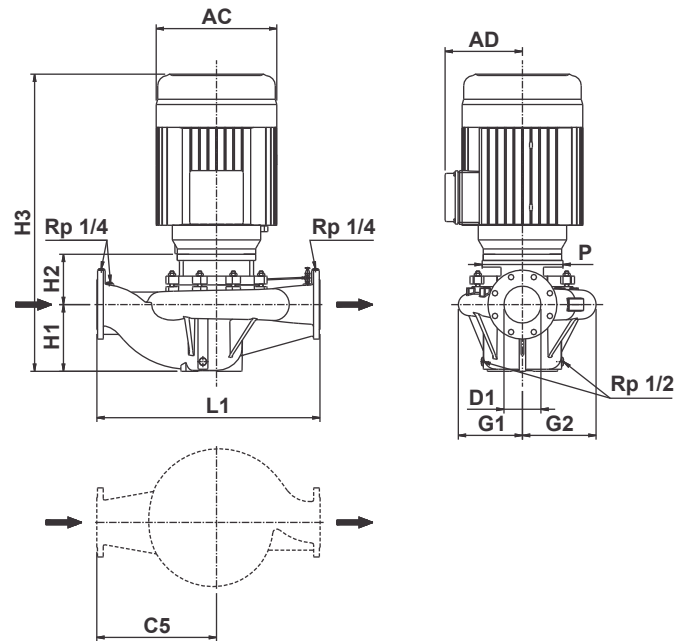
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 757 | 1136 | 1514 | 1893 | 2271 | 2650 | 3028 | 3407 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|------|
| | HP | kW | | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
| TVI 150-2005D | 3.00 | 2.20 | H ft. | 19.3 | 18.7 | 17.8 | 16.6 | 14.9 | 12.6 | 9.8 | - |
| TVI 150-2005C | 4.00 | 3.00 | | 22.3 | 22 | 21.4 | 20.4 | 19.1 | 16.9 | 13.8 | - |
| TVI 150-2005B | 5.00 | 3.70 | | 26.1 | 25.7 | 25.2 | 24.3 | 22.9 | 21.1 | 18.4 | 14.6 |
| TVI 150-2005A | 7.50 | 5.50 | | 28.5 | 28.1 | 27.5 | 26.6 | 25.4 | 23.7 | 21.2 | 17.7 |

Technical data

Close-coupled vertical in-line pumps

TVI 150-2505 6-pole

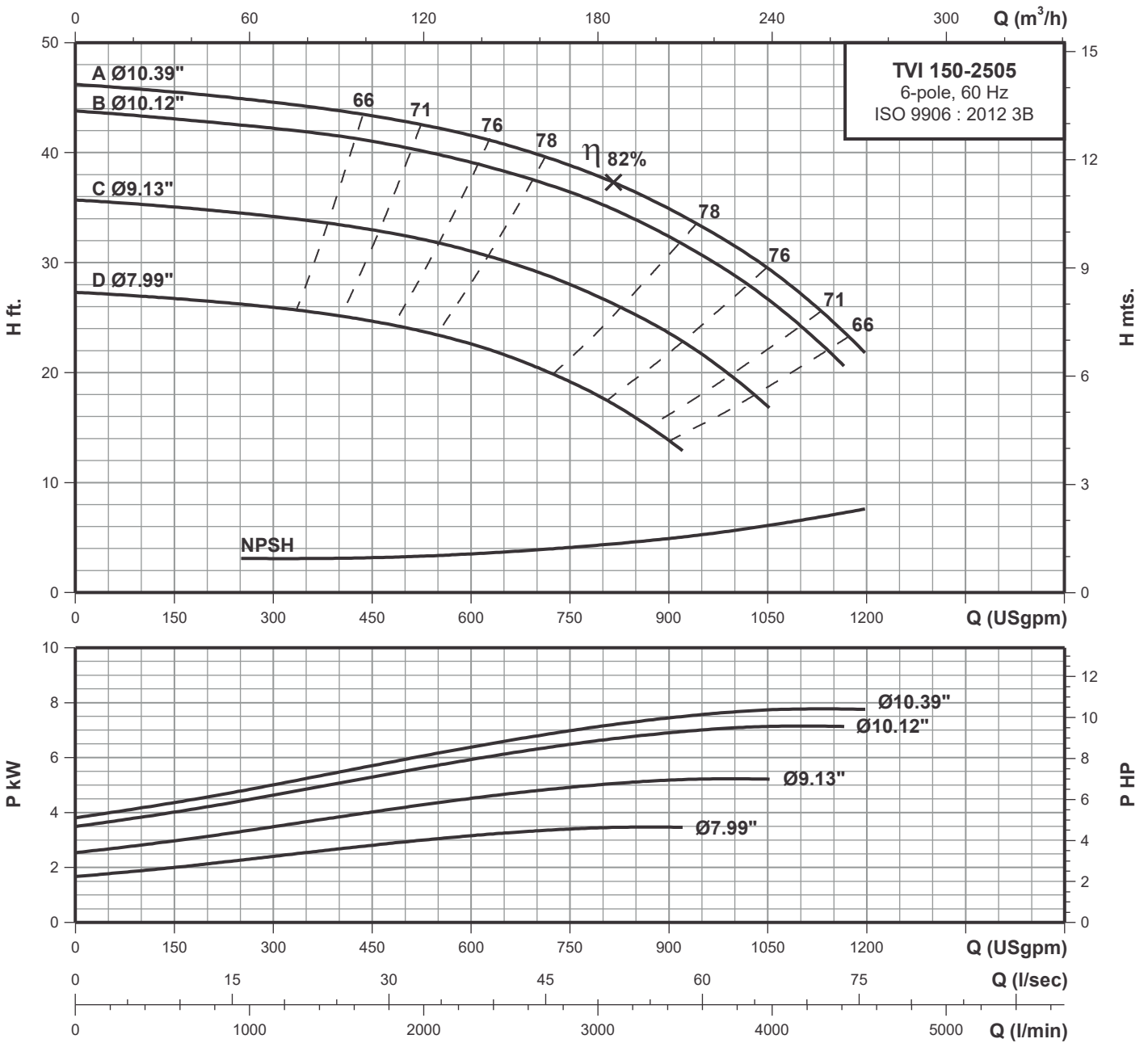


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 5 | 7.5 | 10 | 15 |
| | [kW] | 3.7 | 5.5 | 7.5 | 11 |
| Frame | | 215JM | 254JM | 256JM | 284JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | E | D | C | A |
| D1 | [inch] | 6 | 6 | 6 | 6 |
| | [mm] | 150 | 150 | 150 | 150 |
| H1 | [inch] | 8.31 | 8.31 | 8.31 | 8.31 |
| | [mm] | 211 | 211 | 211 | 211 |
| H2 | [inch] | 4.80 | 5.59 | 5.59 | 5.59 |
| | [mm] | 122 | 142 | 142 | 142 |
| H3 | [inch] | 29.53 | 33.07 | 34.72 | 37.60 |
| | [mm] | 750 | 840 | 882 | 955 |
| L1 | [inch] | 30.91 | 30.91 | 30.91 | 30.91 |
| | [mm] | 785 | 785 | 785 | 785 |
| C5 | [inch] | 17.13 | 17.13 | 17.13 | 17.13 |
| | [mm] | 435 | 435 | 435 | 435 |
| G1 | [inch] | 8.11 | 8.11 | 8.11 | 8.11 |
| | [mm] | 206 | 206 | 206 | 206 |
| G2 | [inch] | 9.84 | 9.84 | 9.84 | 9.84 |
| | [mm] | 250 | 250 | 250 | 250 |
| P | [inch] | 8.86 | 10.00 | 10.00 | 14.02 |
| | [mm] | 225 | 254 | 254 | 356 |
| AC | [inch] | 10.24 | 11.93 | 11.93 | 14.02 |
| | [mm] | 260 | 303 | 303 | 356 |
| AD | [inch] | 7.40 | 9.49 | 9.49 | 11.57 |
| | [mm] | 188 | 241 | 241 | 294 |
| Net weight | [lbs] | 495 | 552 | 581 | 772 |
| | [kg] | 225 | 251 | 264 | 351 |
| Gross weight | [lbs] | 594 | 663 | 697 | 927 |
| | [kg] | 270 | 301 | 317 | 421 |
| Volume | [ft ³] | 20.25 | 22.28 | 23.22 | 24.86 |
| | [m ³] | 0.57 | 0.63 | 0.66 | 0.70 |

Performance curves

TVI 150-2505 6-pole

Close-coupled vertical in-line pumps



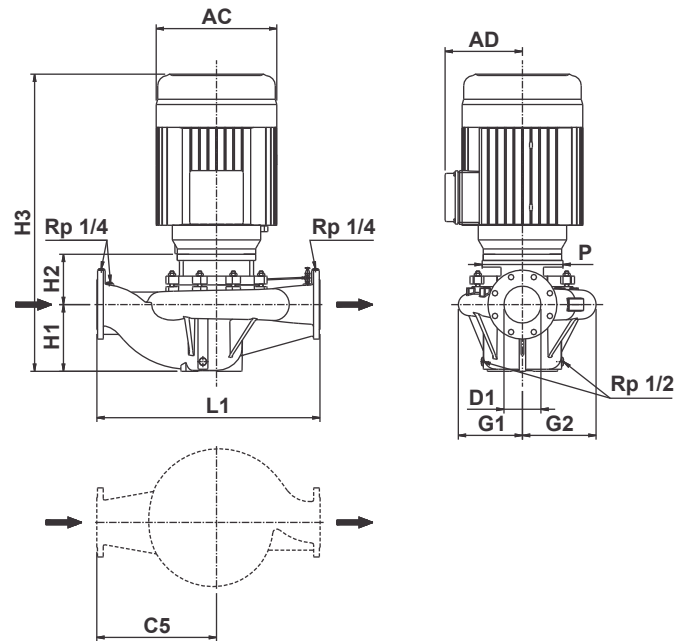
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 757 | 1514 | 2271 | 3028 | 3785 |
|---------------|-------|------|----------------|------|------|------|------|------|
| | HP | kW | | 200 | 400 | 600 | 800 | 1000 |
| TVI 150-2505D | 5.00 | 3.70 | H ft. | 26.4 | 25.1 | 22.6 | 17.7 | - |
| TVI 150-2505C | 7.50 | 5.50 | | 34.8 | 33.5 | 31 | 26.7 | 19.3 |
| TVI 150-2505B | 10.0 | 7.50 | | 42.7 | 41.5 | 39.1 | 35.3 | 28.7 |
| TVI 150-2505A | 15.0 | 11.0 | | 45.2 | 43.8 | 41.5 | 37.6 | 31.5 |

Technical data

Close-coupled vertical in-line pumps

TVI 150-3155 6-pole

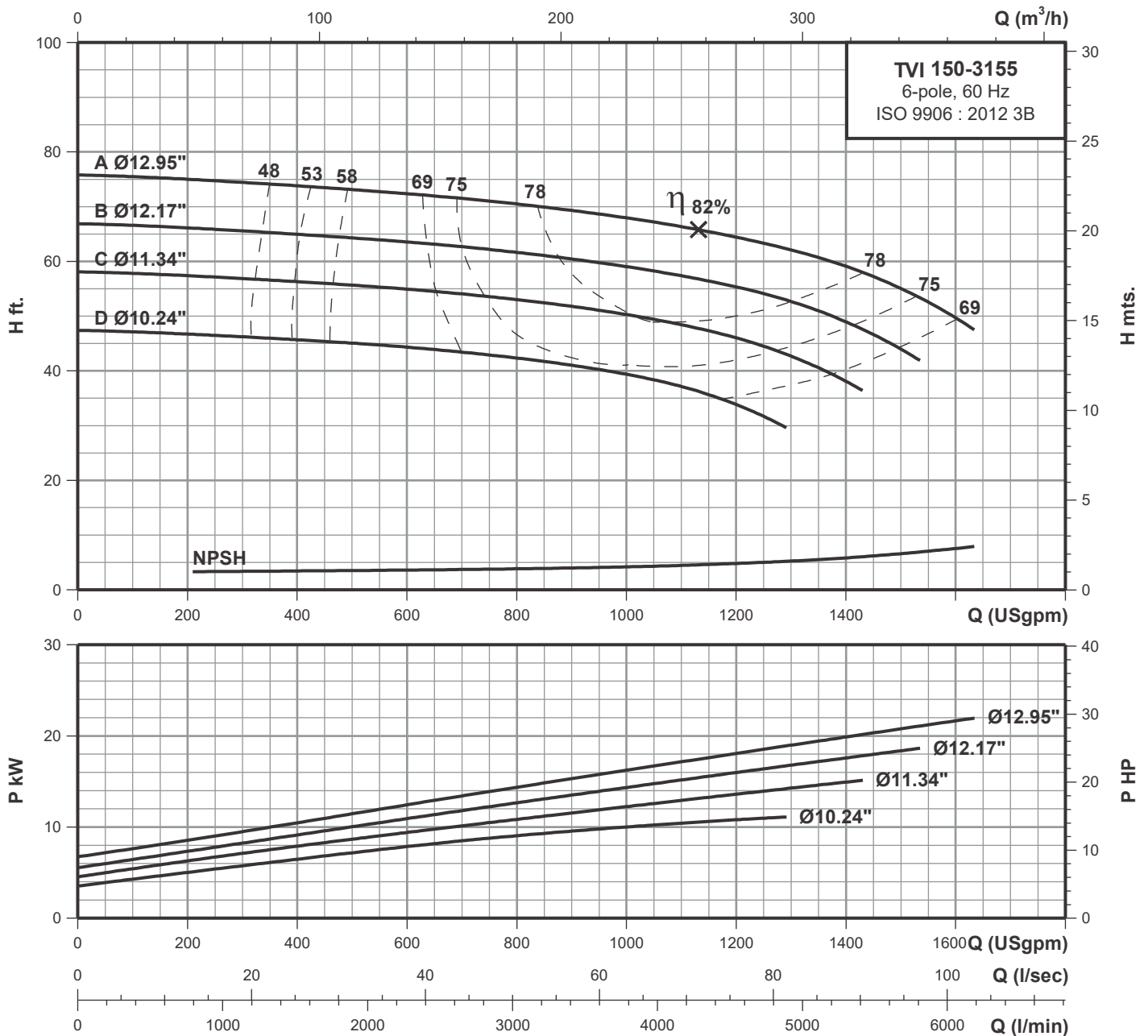


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 15 | 20 | 25 | 30 |
| | [kW] | 11 | 15 | 18.5 | 22 |
| Frame | | 284JM | 286JM | 324JM | 326JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 6 | 6 | 6 | 6 |
| | [mm] | 150 | 150 | 150 | 150 |
| H1 | [inch] | 10.24 | 10.24 | 10.24 | 10.24 |
| | [mm] | 260 | 260 | 260 | 260 |
| H2 | [inch] | 5.83 | 5.83 | 5.55 | 5.55 |
| | [mm] | 148 | 148 | 141 | 141 |
| H3 | [inch] | 39.76 | 41.3 | 42.87 | 42.87 |
| | [mm] | 1010 | 1049 | 1089 | 1089 |
| L1 | [inch] | 33.46 | 33.46 | 33.46 | 33.46 |
| | [mm] | 850 | 850 | 850 | 850 |
| C5 | [inch] | 17.72 | 17.72 | 17.72 | 17.72 |
| | [mm] | 450 | 450 | 450 | 450 |
| G1 | [inch] | 9.53 | 9.53 | 9.53 | 9.53 |
| | [mm] | 242 | 242 | 242 | 242 |
| G2 | [inch] | 11.34 | 11.34 | 11.34 | 11.34 |
| | [mm] | 288 | 288 | 288 | 288 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 14.02 |
| | [mm] | 356 | 356 | 356 | 356 |
| AC | [inch] | 14.02 | 14.02 | 15.43 | 15.43 |
| | [mm] | 356 | 356 | 392 | 392 |
| AD | [inch] | 11.57 | 11.57 | 12.05 | 12.05 |
| | [mm] | 294 | 294 | 306 | 306 |
| Net weight | [lbs] | 836 | 893 | 1003 | 1030 |
| | [kg] | 379 | 405 | 455 | 467 |
| Gross weight | [lbs] | 1047 | 1144 | 1254 | 1281 |
| | [kg] | 475 | 519 | 569 | 581 |
| Volume | [ft ³] | 32.6 | 44.08 | 44.08 | 44.08 |
| | [m ³] | 0.923 | 1.248 | 1.248 | 1.248 |

Performance curves

TVI 150-3155 6-pole

Close-coupled vertical in-line pumps



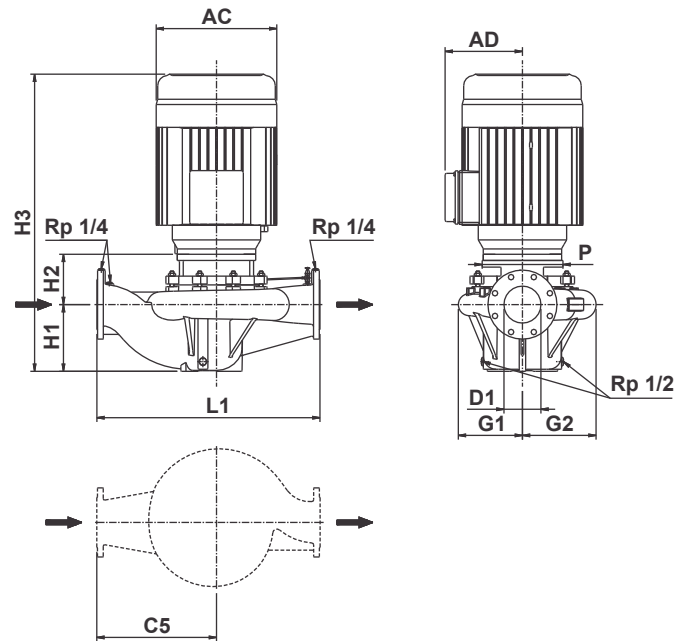
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 757 | 1514 | 2271 | 3028 | 3785 | 4542 | 5300 | 6057 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|------|
| | HP | kW | | 200 | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 |
| TVI 150-3155D | 15.0 | 11.0 | H ft. | 46.7 | 45.6 | 44.3 | 42.4 | 39.3 | 33.9 | - | - |
| TVI 150-3155C | 20.0 | 15.0 | | 57.4 | 56.2 | 54.9 | 53 | 50.3 | 46.1 | 38.2 | - |
| TVI 150-3155B | 25.0 | 18.5 | | 66.1 | 65 | 63.5 | 61.6 | 59 | 55.2 | 49 | - |
| TVI 150-3155A | 30.0 | 22.0 | | 75 | 73.8 | 72.4 | 70.1 | 68 | 64.5 | 59 | 49.6 |

Technical data

Close-coupled vertical in-line pumps

TVI 150-4005 6-pole



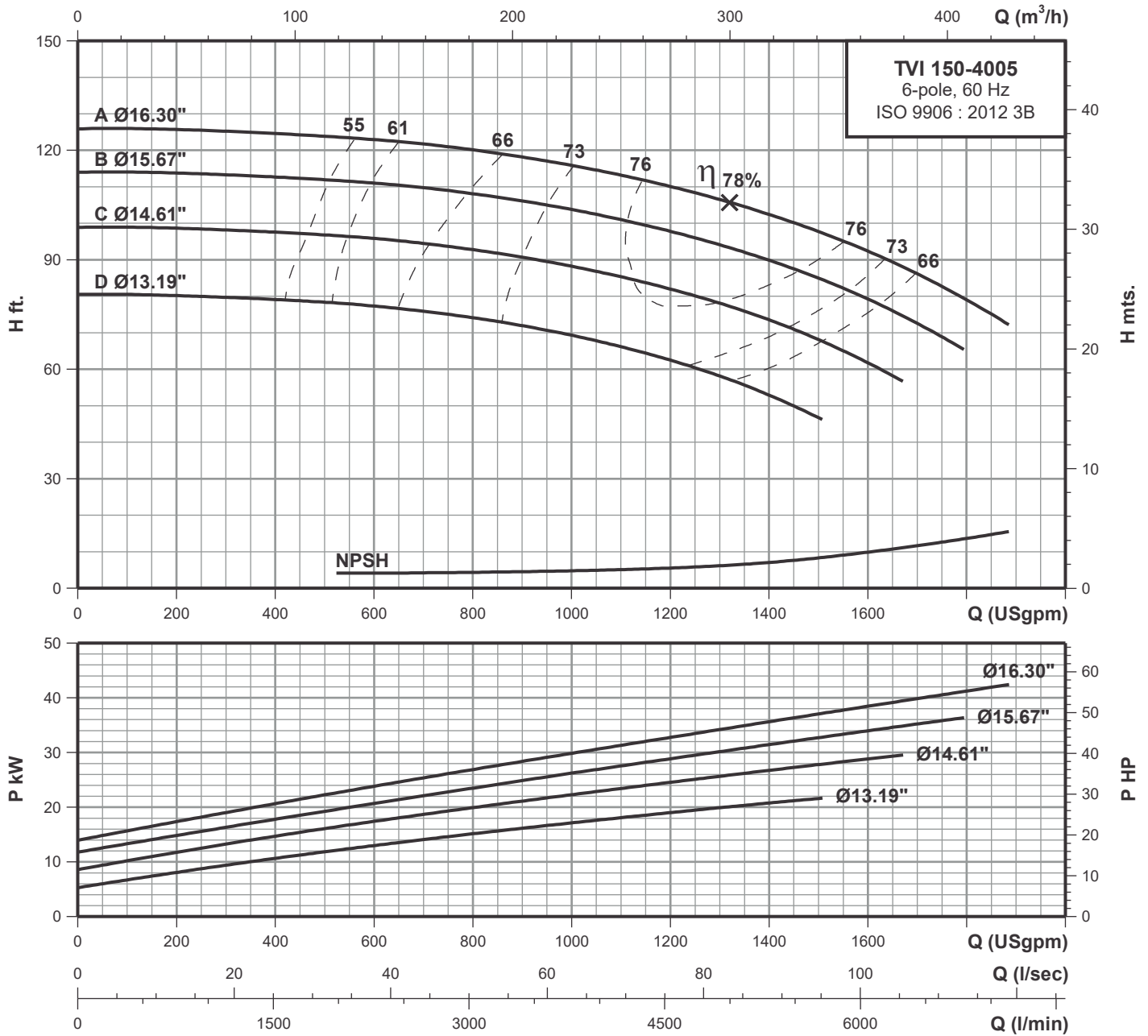
| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 30 | 40 | 50 | 60 |
| | [kW] | 22 | 30 | 37 | 45 |
| Frame | | 326JM | 364JM | 365JM | 404TC |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 6 | 6 | 6 | 6 |
| | [mm] | 150 | 150 | 150 | 150 |
| H1 | [inch] | 11.42 | 11.42 | 11.42 | 11.42 |
| | [mm] | 290 | 290 | 290 | 290 |
| H2 | [inch] | 5.55 | 5.55 | 5.55 | 12.68 |
| | [mm] | 141 | 141 | 141 | 322 |
| H3 | [inch] | 44.06 | 44.53 | 45.51 | 55.31 |
| | [mm] | 1119 | 1131 | 1156 | 1405 |
| L1 | [inch] | 38.19 | 38.19 | 38.19 | 38.19 |
| | [mm] | 970 | 970 | 970 | 970 |
| C5 | [inch] | 20.47 | 20.47 | 20.47 | 20.47 |
| | [mm] | 520 | 520 | 520 | 520 |
| G1 | [inch] | 10.94 | 10.94 | 10.94 | 10.94 |
| | [mm] | 278 | 278 | 278 | 278 |
| G2 | [inch] | 12.6 | 12.6 | 12.6 | 12.6 |
| | [mm] | 320 | 320 | 320 | 320 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 15.51 |
| | [mm] | 356 | 356 | 356 | 394 |
| AC | [inch] | 15.43 | 16.5 | 16.5 | 19.17 |
| | [mm] | 392 | 419 | 419 | 487 |
| AD | [inch] | 12.05 | 12.91 | 12.91 | 16.3 |
| | [mm] | 306 | 328 | 328 | 414 |
| Net weight | [lbs] | 1071 | 1206 | 1290 | 1616 |
| | [kg] | 486 | 547 | 585 | 733 |
| Gross weight | [lbs] | 1338 | 1473 | 1556 | 1940 |
| | [kg] | 607 | 668 | 706 | 880 |
| Volume | [ft ³] | 46.2 | 46.2 | 46.2 | 63.55 |
| | [m ³] | 1.308 | 1.308 | 1.308 | 1.800 |

Performance curves

TVI 150-4005

Close-coupled vertical in-line pumps

6-pole



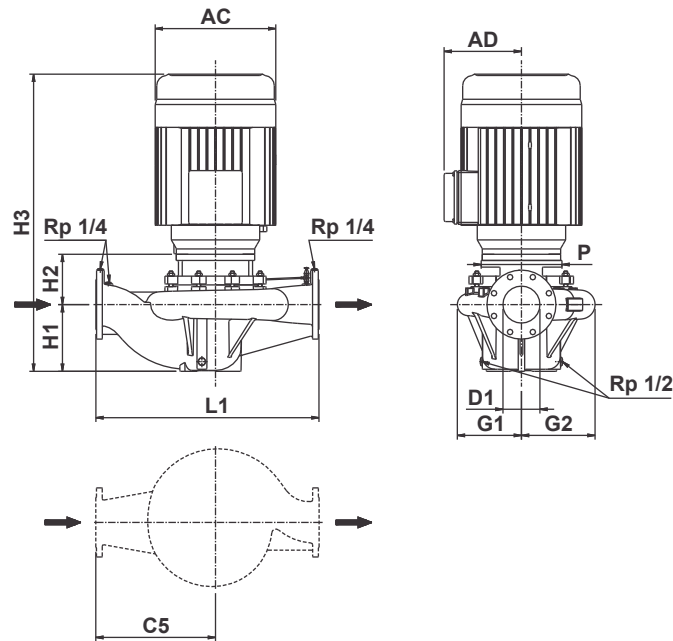
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 757 | 1514 | 2271 | 3028 | 3785 | 4542 | 5300 | 6057 | 6814 |
|---------------|-------|------|----------------|-------|-------|-------|-------|-------|------|-------|------|------|
| | HP | kW | | 200 | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 |
| TVI 150-4005D | 30.0 | 22.0 | H ft. | 80.3 | 79.1 | 77.3 | 74.3 | 69.5 | 62.3 | 53 | - | - |
| TVI 150-4005C | 40.0 | 30.0 | | 98.6 | 97.7 | 95.9 | 92.9 | 88.4 | 82.1 | 73.7 | 61.7 | - |
| TVI 150-4005B | 50.0 | 37.0 | | 113.9 | 112.7 | 111.2 | 108.2 | 103.7 | 98 | 90 | 79.4 | - |
| TVI 150-4005A | 60.0 | 45.0 | | 125.6 | 124.7 | 122.9 | 120.2 | 116 | 110 | 102.5 | 92.3 | 79.1 |

Technical data

Close-coupled vertical in-line pumps

TVI 200-2505 6-pole

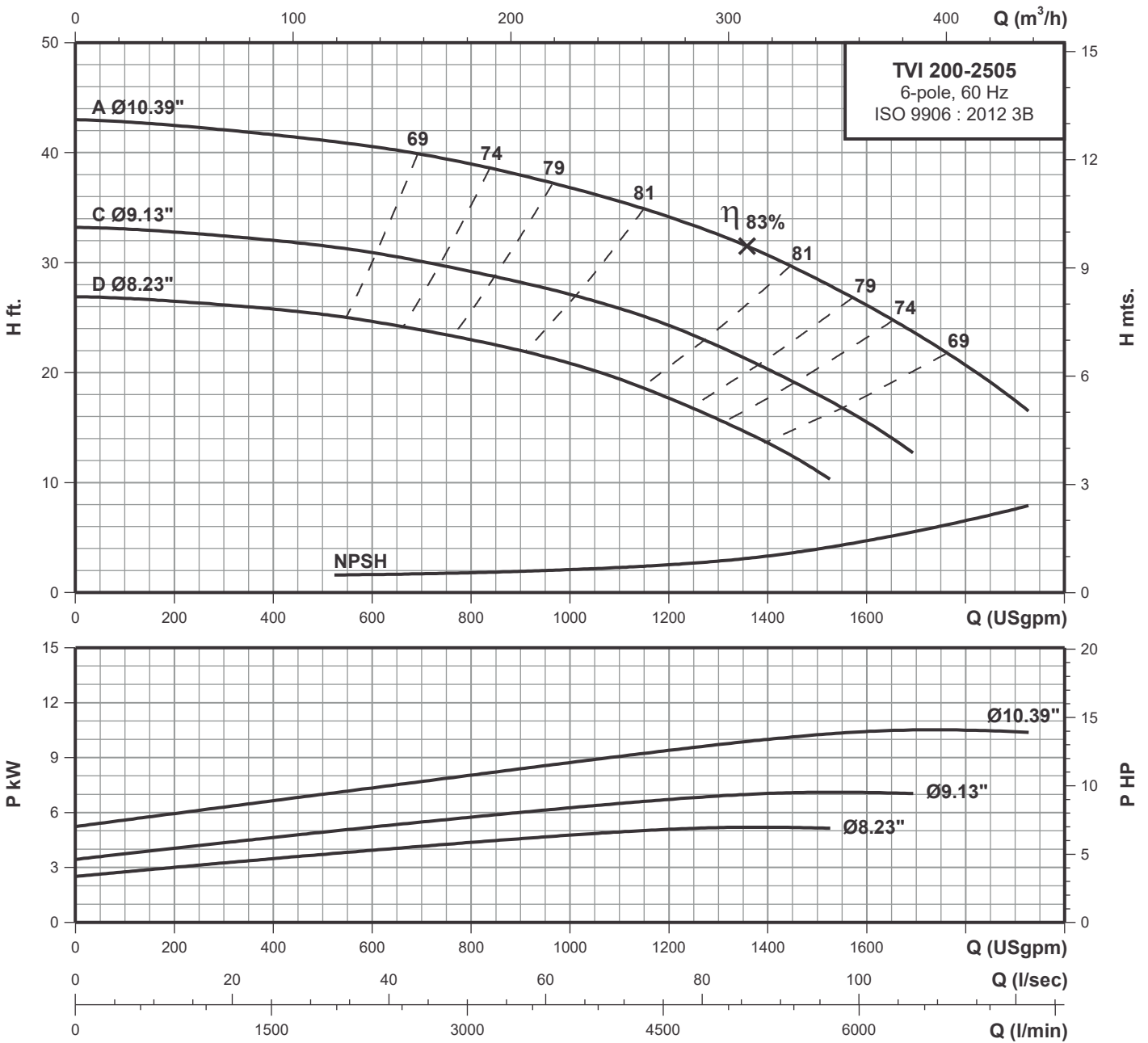


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 7.5 | 10 | 15 |
| | [kW] | 5.5 | 7.5 | 11 |
| Frame | | 254JM | 256JM | 284JM |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | A |
| D1 | [inch] | 8.00 | 8.00 | 8.00 |
| | [mm] | 200 | 200 | 200 |
| H1 | [inch] | 11.97 | 11.97 | 11.97 |
| | [mm] | 304 | 304 | 304 |
| H2 | [inch] | 5.87 | 5.87 | 5.87 |
| | [mm] | 149 | 149 | 149 |
| H3 | [inch] | 37.01 | 38.66 | 41.54 |
| | [mm] | 940 | 982 | 1055 |
| L1 | [inch] | 36.42 | 36.42 | 36.42 |
| | [mm] | 925 | 925 | 925 |
| C5 | [inch] | 20.28 | 20.28 | 20.28 |
| | [mm] | 515 | 515 | 515 |
| G1 | [inch] | 9.06 | 9.06 | 9.06 |
| | [mm] | 230 | 230 | 230 |
| G2 | [inch] | 11.73 | 11.73 | 11.73 |
| | [mm] | 298 | 298 | 298 |
| P | [inch] | 10.00 | 10.00 | 14.02 |
| | [mm] | 254 | 254 | 356 |
| AC | [inch] | 11.93 | 11.93 | 14.02 |
| | [mm] | 303 | 303 | 356 |
| AD | [inch] | 9.49 | 9.49 | 11.57 |
| | [mm] | 241 | 241 | 294 |
| Net weight | [lbs] | 605 | 669 | 834 |
| | [kg] | 275 | 304 | 379 |
| Gross weight | [lbs] | 726 | 803 | 1001 |
| | [kg] | 330 | 365 | 455 |
| Volume | [ft ³] | 31.18 | 32.38 | 34.47 |
| | [m ³] | 0.88 | 0.92 | 0.98 |

Performance curves

TVI 200-2505 6-pole

Close-coupled vertical in-line pumps



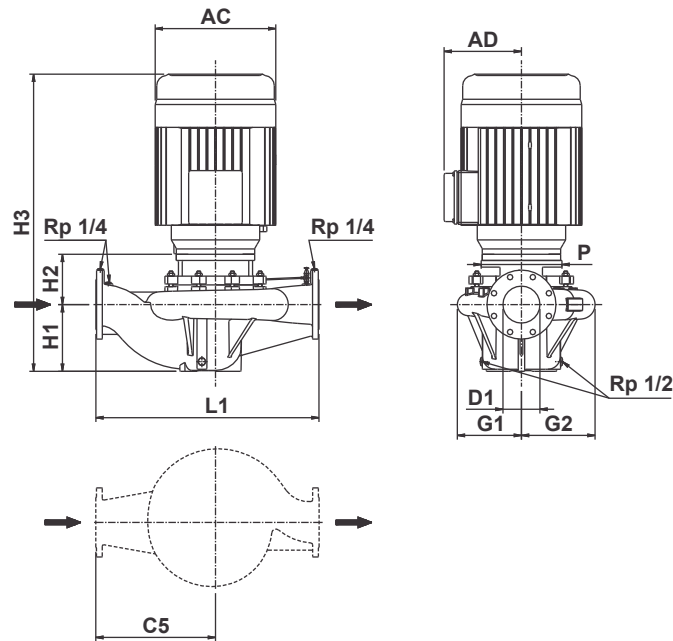
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 757 | 1514 | 2271 | 3028 | 3785 | 4542 | 5300 | 6057 | 6814 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|------|------|
| | HP | kW | | 200 | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 |
| TVI 200-2505D | 7.50 | 5.50 | H ft. | 26.5 | 25.8 | 24.6 | 23 | 21 | 17.6 | 13.6 | - | - |
| TVI 200-2505C | 10.0 | 7.50 | | 32.7 | 32 | 30.9 | 29.2 | 27 | 24.3 | 20.2 | 15.5 | - |
| TVI 200-2505A | 15.0 | 11.0 | | 42.5 | 41.6 | 40.6 | 39 | 36.9 | 34.1 | 30.6 | 26.1 | 20.7 |

Technical data

Close-coupled vertical in-line pumps

TVI 200-3155 6-pole

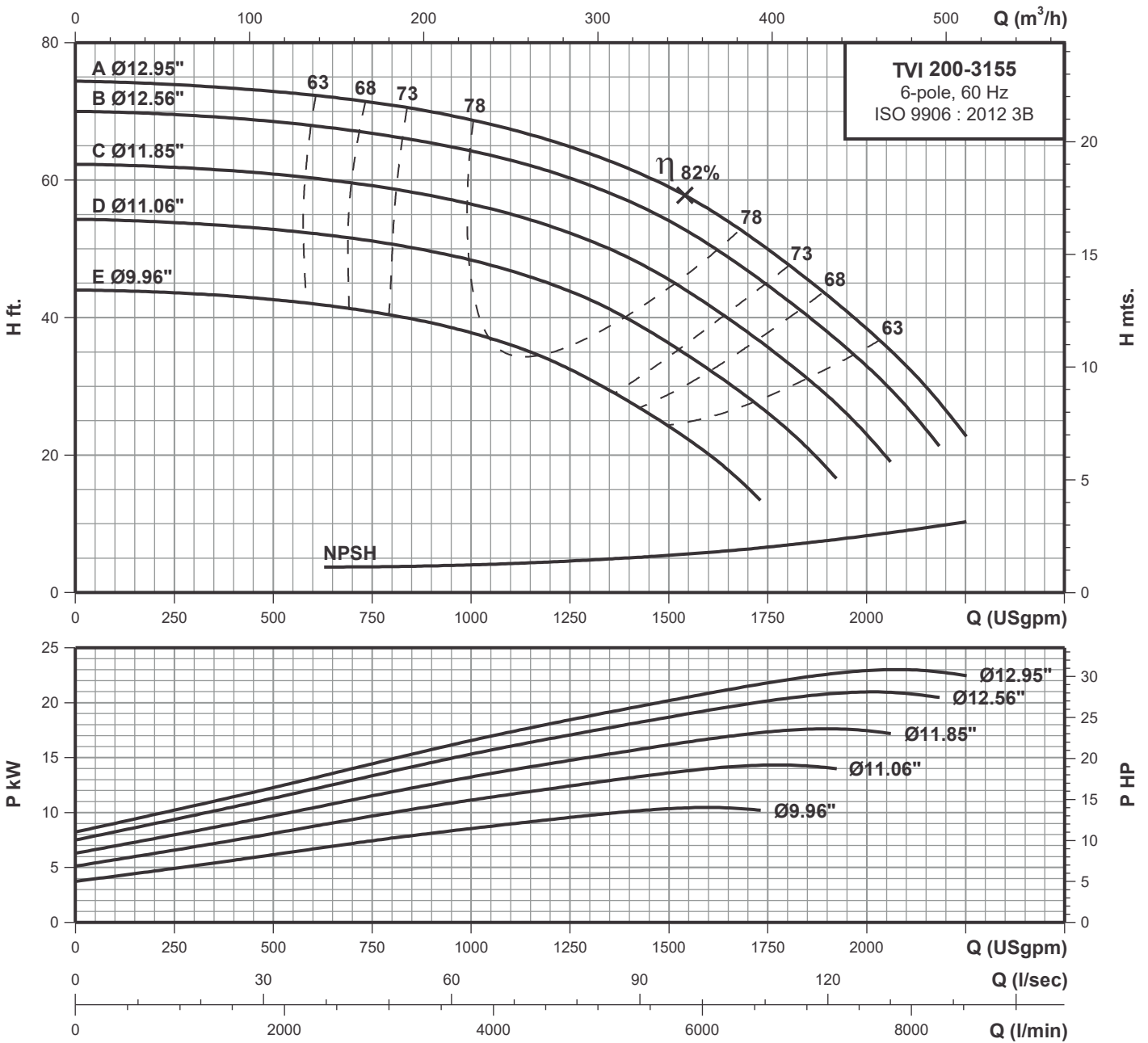


| | | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|-------|
| Power | [hp] | 15 | 20 | 25 | 30 | 40 |
| | [kW] | 11 | 15 | 18.5 | 22 | 30 |
| Frame | | 284JM | 286JM | 324JM | 326JM | 364JM |
| PN | [bar] | 16 | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | E | D | C | B | A |
| D1 | [inch] | 8 | 8 | 8 | 8 | 8 |
| | [mm] | 200 | 200 | 200 | 200 | 200 |
| H1 | [inch] | 10.47 | 10.47 | 10.47 | 10.47 | 10.47 |
| | [mm] | 266 | 266 | 266 | 266 | 266 |
| H2 | [inch] | 5.94 | 5.94 | 5.67 | 5.67 | 5.67 |
| | [mm] | 151 | 151 | 144 | 144 | 144 |
| H3 | [inch] | 40.08 | 41.61 | 43.19 | 43.19 | 43.66 |
| | [mm] | 1018 | 1057 | 1097 | 1097 | 1109 |
| L1 | [inch] | 39.96 | 39.96 | 39.96 | 39.96 | 39.96 |
| | [mm] | 1015 | 1015 | 1015 | 1015 | 1015 |
| C5 | [inch] | 21.26 | 21.26 | 21.26 | 21.26 | 21.26 |
| | [mm] | 540 | 540 | 540 | 540 | 540 |
| G1 | [inch] | 9.96 | 9.96 | 9.96 | 9.96 | 9.96 |
| | [mm] | 253 | 253 | 253 | 253 | 253 |
| G2 | [inch] | 12.28 | 12.28 | 12.28 | 12.28 | 12.28 |
| | [mm] | 312 | 312 | 312 | 312 | 312 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 14.02 | 14.02 |
| | [mm] | 356 | 356 | 356 | 356 | 356 |
| AC | [inch] | 14.02 | 14.02 | 15.43 | 15.43 | 16.50 |
| | [mm] | 356 | 356 | 392 | 392 | 419 |
| AD | [inch] | 11.57 | 11.57 | 12.05 | 12.05 | 12.91 |
| | [mm] | 294 | 294 | 306 | 306 | 328 |
| Net weight | [lbs] | 920 | 977 | 1087 | 1113 | 1289 |
| | [kg] | 418 | 444 | 494 | 506 | 586 |
| Gross weight | [lbs] | 1104 | 1172 | 1304 | 1336 | 1547 |
| | [kg] | 502 | 533 | 593 | 607 | 703 |
| Volume | [ft ³] | 37.99 | 39.26 | 40.56 | 40.56 | 40.95 |
| | [m ³] | 1.07 | 1.11 | 1.15 | 1.15 | 1.16 |

Performance curves

TVI 200-3155 6-pole

Close-coupled vertical in-line pumps



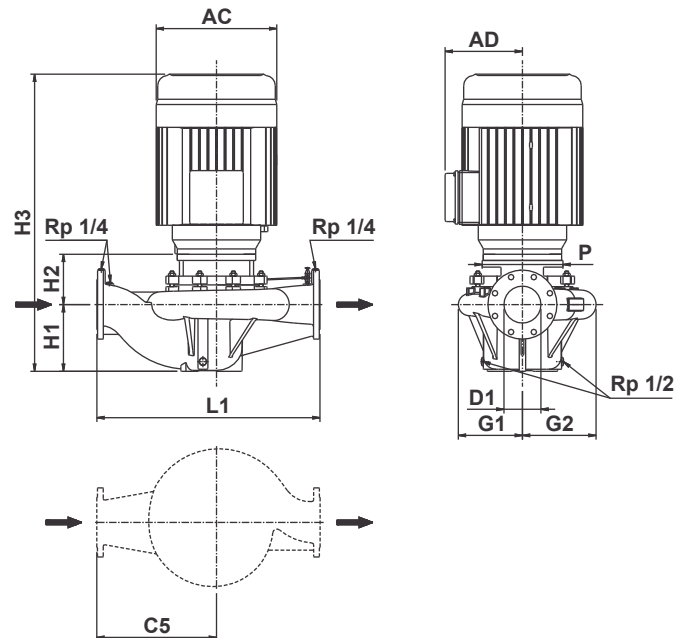
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 1893 | 2839 | 3785 | 4732 | 5678 | 6624 | 7571 | 8517 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|------|
| | HP | kW | | 500 | 750 | 1000 | 1250 | 1500 | 1750 | 2000 | 2250 |
| TVI 200-3155E | 15.0 | 11.0 | H ft. | 42.6 | 40.8 | 37.8 | 32.5 | 24.2 | - | - | - |
| TVI 200-3155D | 20.0 | 15.0 | | 52.8 | 51.2 | 48.4 | 43.8 | 36.2 | 26 | - | - |
| TVI 200-3155C | 25.0 | 18.5 | | 60.7 | 59.1 | 56.6 | 52.2 | 45.6 | 35.6 | 22.9 | - |
| TVI 200-3155B | 30.0 | 22.0 | | 68.5 | 67 | 64.3 | 60.3 | 54.2 | 44.8 | 32.8 | - |
| TVI 200-3155A | 40.0 | 30.0 | | 73 | 71.4 | 68.7 | 65 | 59 | 50 | 38.4 | 23 |

Technical data

Close-coupled vertical in-line pumps

TVI 200-4005 6-pole

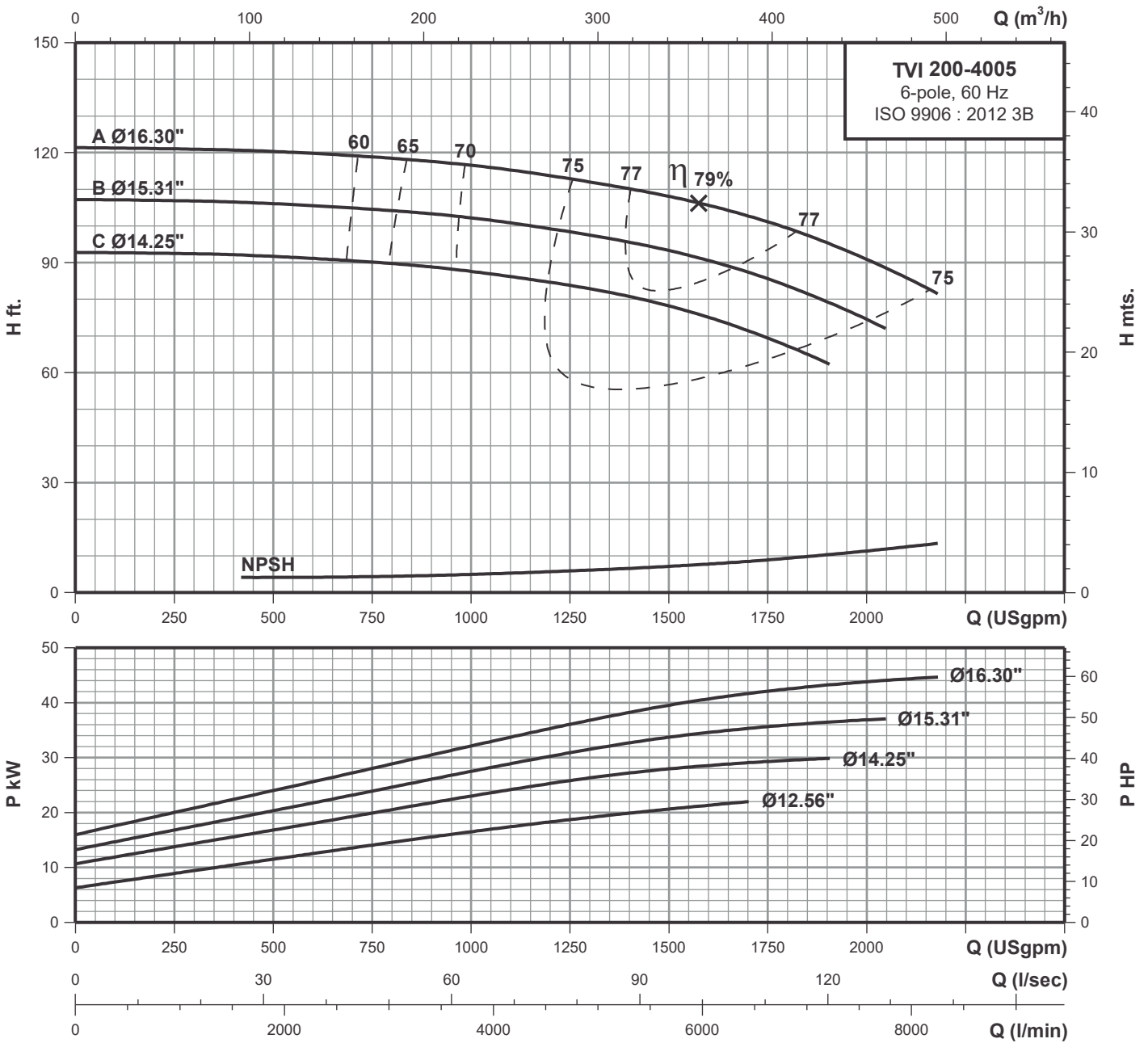


| | | | | |
|----------------------------|--------------------|-------|-------|-------|
| Power | [hp] | 40 | 50 | 60 |
| | [kW] | 30 | 37 | 45 |
| Frame | | 364JM | 365JM | 404TC |
| PN | [bar] | 16 | 16 | 16 |
| Code for Impeller diameter | | C | B | A |
| D1 | [inch] | 8 | 8 | 8 |
| | [mm] | 200 | 200 | 200 |
| H1 | [inch] | 10.47 | 10.39 | 10.39 |
| | [mm] | 264 | 264 | 264 |
| H2 | [inch] | 5.94 | 5.55 | 12.68 |
| | [mm] | 141 | 141 | 322 |
| H3 | [inch] | 40.08 | 46.54 | 56.34 |
| | [mm] | 1157 | 1182 | 1431 |
| L1 | [inch] | 39.96 | 45.59 | 45.59 |
| | [mm] | 1158 | 1158 | 1158 |
| C5 | [inch] | 21.26 | 24.41 | 24.41 |
| | [mm] | 620 | 620 | 620 |
| G1 | [inch] | 11.46 | 11.46 | 11.46 |
| | [mm] | 291 | 291 | 291 |
| G2 | [inch] | 13.62 | 13.62 | 13.62 |
| | [mm] | 346 | 346 | 346 |
| P | [inch] | 14.02 | 14.02 | 15.51 |
| | [mm] | 356 | 356 | 394 |
| AC | [inch] | 16.50 | 16.50 | 19.17 |
| | [mm] | 419 | 419 | 487 |
| AD | [inch] | 12.91 | 12.91 | 16.30 |
| | [mm] | 328 | 328 | 414 |
| Net weight | [lbs] | 1353 | 1437 | 1762 |
| | [kg] | 615 | 653 | 801 |
| Gross weight | [lbs] | 1624 | 1724 | 2115 |
| | [kg] | 738 | 784 | 961 |
| Volume | [ft ³] | 54.31 | 55.35 | 71.99 |
| | [m ³] | 1.54 | 1.57 | 2.04 |

Performance curves

TVI 200-4005 6-pole

Close-coupled vertical in-line pumps



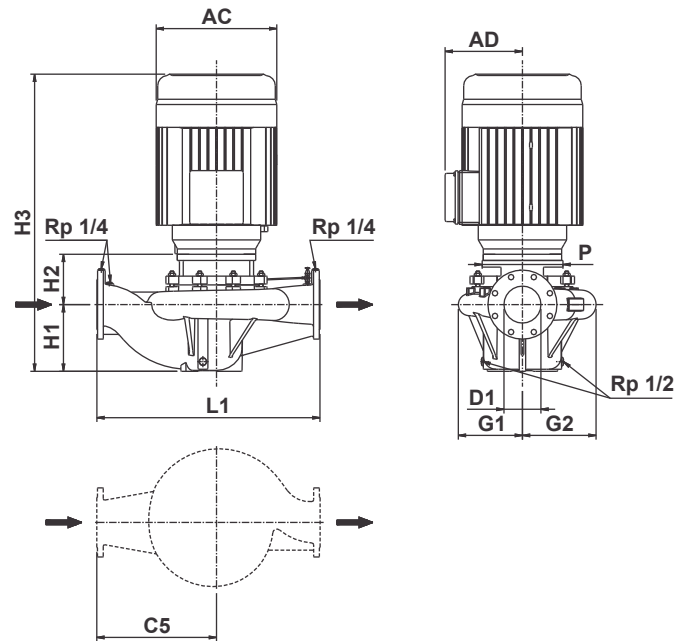
Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 1893 | 2839 | 3785 | 4732 | 5678 | 6624 | 7571 |
|---------------|-------|------|----------------|-------|-------|-------|-------|------|-------|------|
| | HP | kW | | 500 | 750 | 1000 | 1250 | 1500 | 1750 | 2000 |
| TVI 200-4005C | 40.0 | 30.0 | H ft. | 91.7 | 90.3 | 87.5 | 83.8 | 78.2 | 69.3 | - |
| TVI 200-4005B | 50.0 | 37.0 | | 106.2 | 104.3 | 102 | 98.2 | 93.6 | 85.6 | 74.9 |
| TVI 200-4005A | 60.0 | 45.0 | | 120.2 | 118.8 | 116.5 | 112.7 | 108 | 101.1 | 90.8 |

Technical data

Close-coupled vertical in-line pumps

TVI 250-3155 6-pole

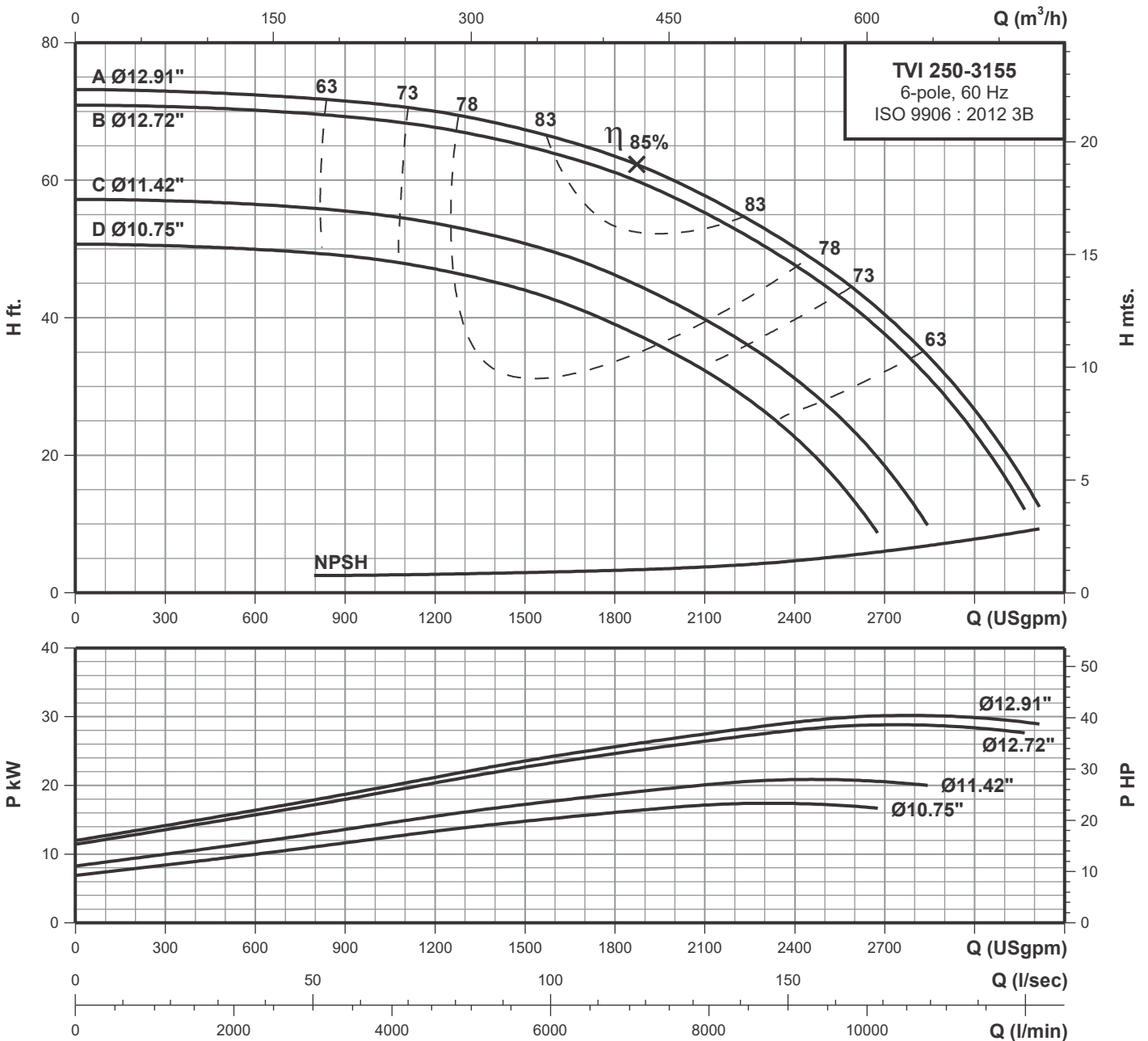


| | | | | | |
|----------------------------|--------------------|-------|-------|-------|-------|
| Power | [hp] | 25 | 30 | 40 | 50 |
| | [kW] | 18.5 | 22 | 30 | 37 |
| Frame | | 324JM | 326JM | 364JM | 365JM |
| PN | [bar] | 16 | 16 | 16 | 16 |
| Code for Impeller diameter | | D | C | B | A |
| D1 | [inch] | 10 | 10 | 10 | 10 |
| | [mm] | 250 | 250 | 250 | 250 |
| H1 | [inch] | 13.58 | 13.58 | 13.58 | 13.58 |
| | [mm] | 345 | 345 | 345 | 345 |
| H2 | [inch] | 5.94 | 5.94 | 5.94 | 5.94 |
| | [mm] | 151 | 151 | 151 | 151 |
| H3 | [inch] | 46.61 | 46.61 | 47.09 | 48.07 |
| | [mm] | 1184 | 1184 | 1196 | 1221 |
| L1 | [inch] | 45.28 | 45.28 | 45.28 | 45.28 |
| | [mm] | 1150 | 1150 | 1150 | 1150 |
| C5 | [inch] | 23.62 | 23.62 | 23.62 | 23.62 |
| | [mm] | 600 | 600 | 600 | 600 |
| G1 | [inch] | 10.63 | 10.63 | 10.63 | 10.63 |
| | [mm] | 270 | 270 | 270 | 270 |
| G2 | [inch] | 13.39 | 13.39 | 13.39 | 13.39 |
| | [mm] | 340 | 340 | 340 | 340 |
| P | [inch] | 14.02 | 14.02 | 14.02 | 14.02 |
| | [mm] | 356 | 356 | 356 | 356 |
| AC | [inch] | 15.43 | 15.43 | 16.50 | 16.50 |
| | [mm] | 392 | 392 | 419 | 419 |
| AD | [inch] | 12.05 | 12.05 | 12.91 | 12.91 |
| | [mm] | 306 | 306 | 328 | 328 |
| Net weight | [lbs] | 1014 | 1041 | 1179 | 1263 |
| | [kg] | 461 | 473 | 536 | 574 |
| Gross weight | [lbs] | 1217 | 1249 | 1415 | 1515 |
| | [kg] | 553 | 568 | 643 | 689 |
| Volume | [ft ³] | 51.17 | 51.17 | 51.63 | 52.59 |
| | [m ³] | 1.45 | 1.45 | 1.46 | 1.49 |

Performance curves

TVI 250-3155 6-pole

Close-coupled vertical in-line pumps



Performance data at n=1150 rpm

| Model | Power | | l/min USgpm | 2271 | 3407 | 4542 | 5678 | 6814 | 7949 | 9085 | 10221 | 11356 |
|---------------|-------|------|----------------|------|------|------|------|------|------|------|-------|-------|
| | HP | kW | | 600 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 | 2700 | 3000 |
| TVI 250-3155D | 25.0 | 18.5 | H ft. | 50 | 49 | 47.2 | 44.1 | 39.0 | 32.4 | 22.5 | - | - |
| TVI 250-3155C | 30.0 | 22.0 | | 56.4 | 55.4 | 53.8 | 50.9 | 46.2 | 39.8 | 31.2 | 18.2 | - |
| TVI 250-3155B | 40.0 | 30.0 | | 70.2 | 69.3 | 67.7 | 65 | 61.1 | 55.3 | 47.6 | 37.7 | 22.9 |
| TVI 250-3155A | 50.0 | 37.0 | | 72.3 | 71.4 | 70 | 67.4 | 63.5 | 57.8 | 50.1 | 40.5 | 26.5 |

Accessories

Close-coupled vertical in-line pumps

TVI

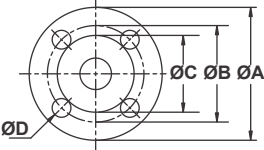
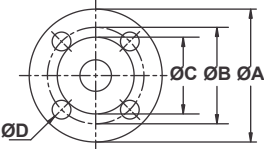
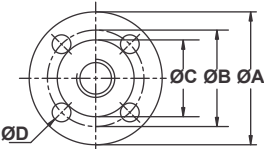
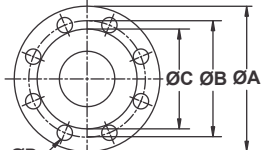
Counter flanges

Cast iron pumps (version-A,B,C,D)

For threaded connection, flanges are made of cast iron.

For welding connection, flanges are made of carbon steel.

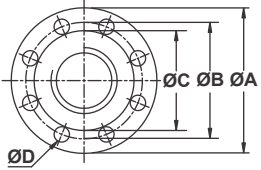
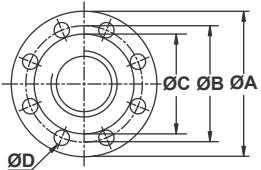
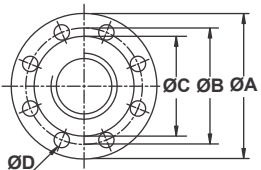
A set consist of one counter flange, one gasket of rubber material and the requisite number of bolts and nuts.

| Counter flange | Flange size | Description | | A | B | C | ØDxQty. of Holes | Pipework connection | Product number |
|---|-------------|-------------|----------|-------|-------|-------|------------------|---------------------|----------------|
|  | 1 1/2 | Threaded | ANSI 125 | Ø4.92 | Ø3.86 | - | Ø0.62X4 | 1 1/2 NPT | 0403T* |
| | | | ANSI 250 | Ø6.10 | Ø4.49 | Ø3.58 | Ø0.87X4 | | 0404T* |
| | | | PN 16 | Ø5.91 | Ø4.33 | Ø3.46 | Ø0.70X4 | 1 1/2 BSP** | 0401T* |
| | | | PN 25 | Ø5.91 | Ø4.33 | Ø3.46 | Ø0.70X4 | | 0402T* |
| | | For welding | ANSI 125 | Ø4.92 | Ø3.86 | - | Ø0.62X4 | 1 1/2 | 0403W* |
| | | | ANSI 250 | Ø6.10 | Ø4.49 | Ø3.58 | Ø0.87X4 | | 0404W* |
| | | | PN 16 | Ø5.91 | Ø4.33 | Ø3.46 | Ø0.70X4 | | 0401W* |
| | | | PN 25 | Ø5.91 | Ø4.33 | Ø3.46 | Ø0.70X4 | | 0402W* |
|  | 2 | Threaded | ANSI 125 | Ø5.91 | Ø4.76 | - | Ø0.75X4 | 2 NPT | 0503T* |
| | | | ANSI 250 | Ø6.50 | Ø5.00 | Ø4.17 | Ø0.75X8 | | 0504T* |
| | | | PN 16 | Ø6.50 | Ø4.92 | Ø4.02 | Ø0.70X4 | 2 BSP** | 0501T* |
| | | | PN 25 | Ø6.50 | Ø4.92 | Ø4.02 | Ø0.70X4 | | 0502T* |
| | | For welding | ANSI 125 | Ø5.91 | Ø4.76 | - | Ø0.75X4 | 2 | 0503W* |
| | | | ANSI 250 | Ø6.50 | Ø5.00 | Ø4.17 | Ø0.75X8 | | 0504W* |
| | | | PN 16 | Ø6.50 | Ø4.92 | Ø4.02 | Ø0.70X4 | | 0501W* |
| | | | PN 25 | Ø6.50 | Ø4.92 | Ø4.02 | Ø0.70X4 | | 0502W* |
|  | 2 1/2 | Threaded | ANSI 125 | Ø7.09 | Ø5.51 | - | Ø0.75X4 | 2 1/2 NPT | 0653T* |
| | | | ANSI 250 | Ø7.48 | Ø5.87 | Ø4.92 | Ø0.87X8 | | 0654T* |
| | | | PN 16 | Ø7.28 | Ø5.71 | Ø4.80 | Ø0.70X4 | 2 1/2 BSP** | 0651T* |
| | | | PN 25 | Ø7.28 | Ø5.71 | Ø4.80 | Ø0.70X8 | | 0652T* |
| | | For welding | ANSI 125 | Ø7.09 | Ø5.51 | - | Ø0.75X4 | 2 1/2 | 0653W* |
| | | | ANSI 250 | Ø7.48 | Ø5.87 | Ø4.92 | Ø0.87X8 | | 0654W* |
| | | | PN 16 | Ø7.28 | Ø5.71 | Ø4.80 | Ø0.70X4 | | 0651W* |
| | | | PN 25 | Ø7.28 | Ø5.71 | Ø4.80 | Ø0.70X8 | | 0652W* |
|  | 3 | Threaded | ANSI 125 | Ø7.48 | Ø5.98 | - | Ø0.75X4 | 3 NPT | 0803T* |
| | | | ANSI 250 | Ø8.27 | Ø6.61 | Ø5.67 | Ø0.87X8 | | 0804T* |
| | | | PN 16 | Ø7.87 | Ø6.30 | Ø5.43 | Ø0.70X8 | 3 BSP** | 0801T* |
| | | | PN 25 | Ø7.87 | Ø6.30 | Ø5.43 | Ø0.70X8 | | 0802T* |
| | | For welding | ANSI 125 | Ø7.48 | Ø5.98 | - | Ø0.75X4 | 3 | 0803W* |
| | | | ANSI 250 | Ø8.27 | Ø6.61 | Ø5.67 | Ø0.87X8 | | 0804W* |
| | | | PN 16 | Ø7.87 | Ø6.30 | Ø5.43 | Ø0.70X8 | | 0801W* |
| | | | PN 25 | Ø7.87 | Ø6.30 | Ø5.43 | Ø0.70X8 | | 0802W* |

Accessories

Close-coupled vertical in-line pumps

TVI

| Counter flange | Flange size | Description | | A | B | C | ØDxQty. of Holes | Pipework connection | Product number |
|---|-------------|-------------|----------|--------|--------|-------|------------------|---------------------|----------------|
|  | 4 | Threaded | ANSI 125 | Ø9.06 | Ø7.52 | - | Ø0.75X8 | 4 NPT | 1003T* |
| | | | ANSI 250 | Ø10.04 | Ø7.87 | Ø6.93 | Ø0.87X8 | | 1004T* |
| | | | PN 16 | Ø9.25 | Ø7.09 | Ø6.22 | Ø0.70X8 | 4 BSP** | 1001T* |
| | | | PN 25 | Ø9.25 | Ø7.48 | Ø6.22 | Ø0.86X8 | | 1002T* |
| | | For welding | ANSI 125 | Ø9.06 | Ø7.52 | - | Ø0.75X8 | 4 | 1003W* |
| | | | ANSI 250 | Ø10.04 | Ø7.87 | Ø6.93 | Ø0.87X8 | | 1004W* |
| | | | PN 16 | Ø9.25 | Ø7.09 | Ø6.22 | Ø0.70X8 | | 1001W* |
| | | | PN 25 | Ø9.25 | Ø7.48 | Ø6.22 | Ø0.86X8 | | 1002W* |
|  | 5 | Threaded | ANSI 125 | Ø10.04 | Ø8.50 | - | Ø0.87X8 | 5 NPT | 1253T* |
| | | | ANSI 250 | Ø11.02 | Ø9.25 | Ø8.31 | Ø0.87X8 | | 1254T* |
| | | | PN 16 | Ø10.63 | Ø8.27 | Ø7.40 | Ø0.70X8 | 5 BSP** | 1251T* |
| | | | PN 25 | Ø10.63 | Ø8.66 | Ø7.40 | Ø0.98X8 | | 1252T* |
| | | For welding | ANSI 125 | Ø10.04 | Ø8.50 | - | Ø0.87X8 | 5 | 1253W* |
| | | | ANSI 250 | Ø11.02 | Ø9.25 | Ø8.31 | Ø0.87X8 | | 1254W* |
| | | | PN 16 | Ø10.63 | Ø8.27 | Ø7.40 | Ø0.70X8 | | 1251W* |
| | | | PN 25 | Ø10.63 | Ø8.66 | Ø7.40 | Ø0.98X8 | | 1252W* |
|  | 6 | Threaded | ANSI 125 | Ø11.02 | Ø9.49 | - | Ø0.87X8 | 6 NPT | 1503T* |
| | | | ANSI 250 | Ø12.60 | Ø10.63 | Ø9.69 | Ø0.87X12 | | 1504T* |
| | | | PN 16 | Ø11.81 | Ø9.45 | Ø8.35 | Ø0.86X8 | 6 BSP** | 1501T* |
| | | | PN 25 | Ø11.81 | Ø9.84 | Ø8.35 | Ø0.98X8 | | 1502T* |
| | | For welding | ANSI 125 | Ø11.02 | Ø9.49 | - | Ø0.87X8 | 6 | 1503W* |
| | | | ANSI 250 | Ø12.60 | Ø10.63 | Ø9.69 | Ø0.87X12 | | 1504W* |
| | | | PN 16 | Ø11.81 | Ø9.45 | Ø8.35 | Ø0.86X8 | | 1501W* |
| | | | PN 25 | Ø11.81 | Ø9.84 | Ø8.35 | Ø0.98X8 | | 1502W* |

* Add a subscript as per following example to part number.
 0503TCI for cast iron flanges.
 0503TS1 for S.S 304 flanges.
 0503TS2 for S.S 316 flanges.
 0503WCS for carbon steel flanges.

** NPT threaded flanges are also available on request.
 All dimensions in inches unless otherwise noted.



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ISO 9001



ISO 14001