

e-SVI Series Immersible Multistage Pumps

60HZ TECHNICAL MANUAL

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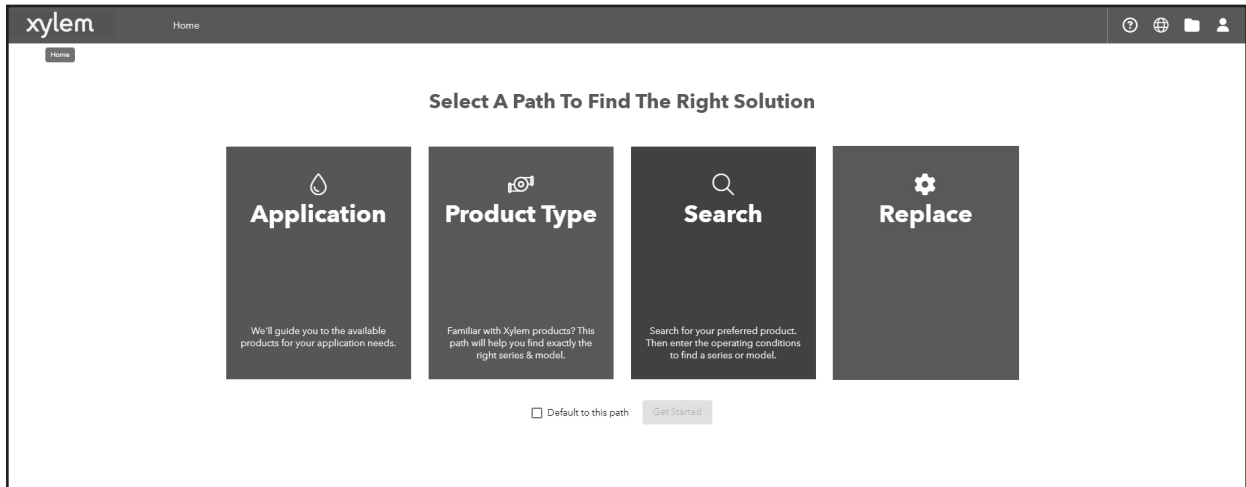
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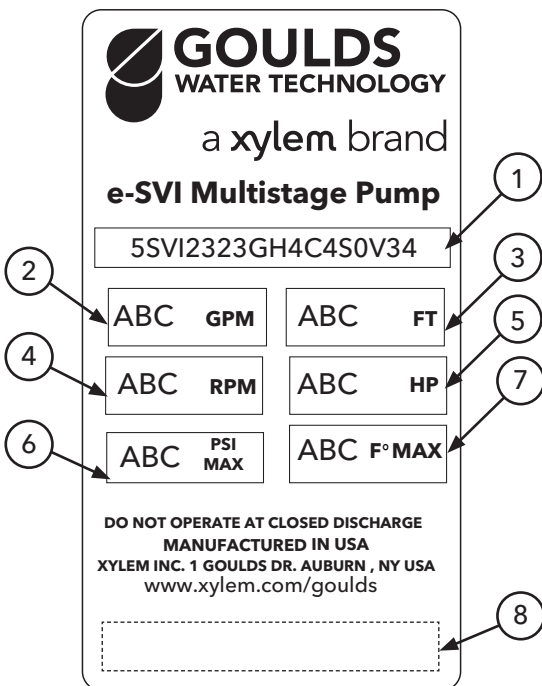
Xylem Solver

Xylem Solver is a pump selection software with multiple search options and helpful product information.

Solver can be available: at <https://solver.xylem.com/>

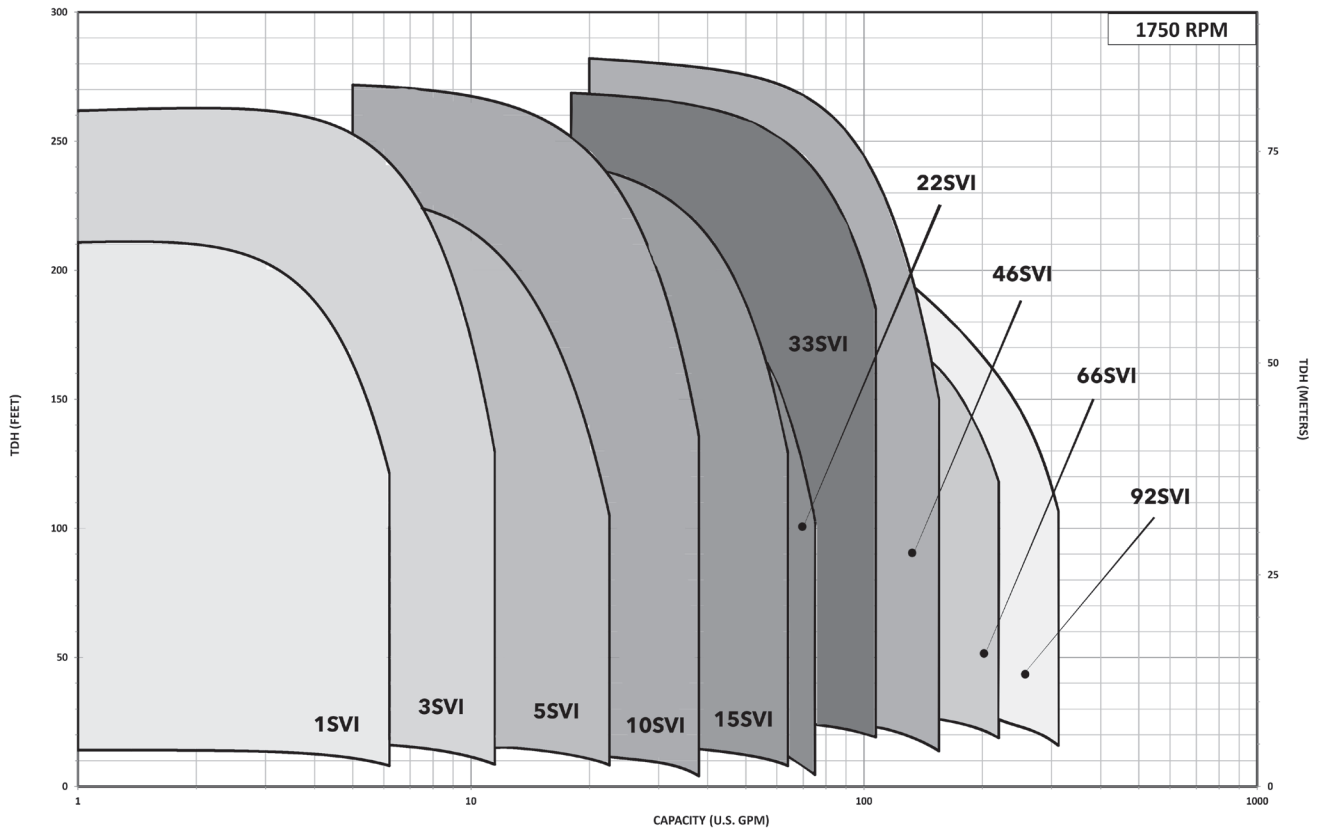
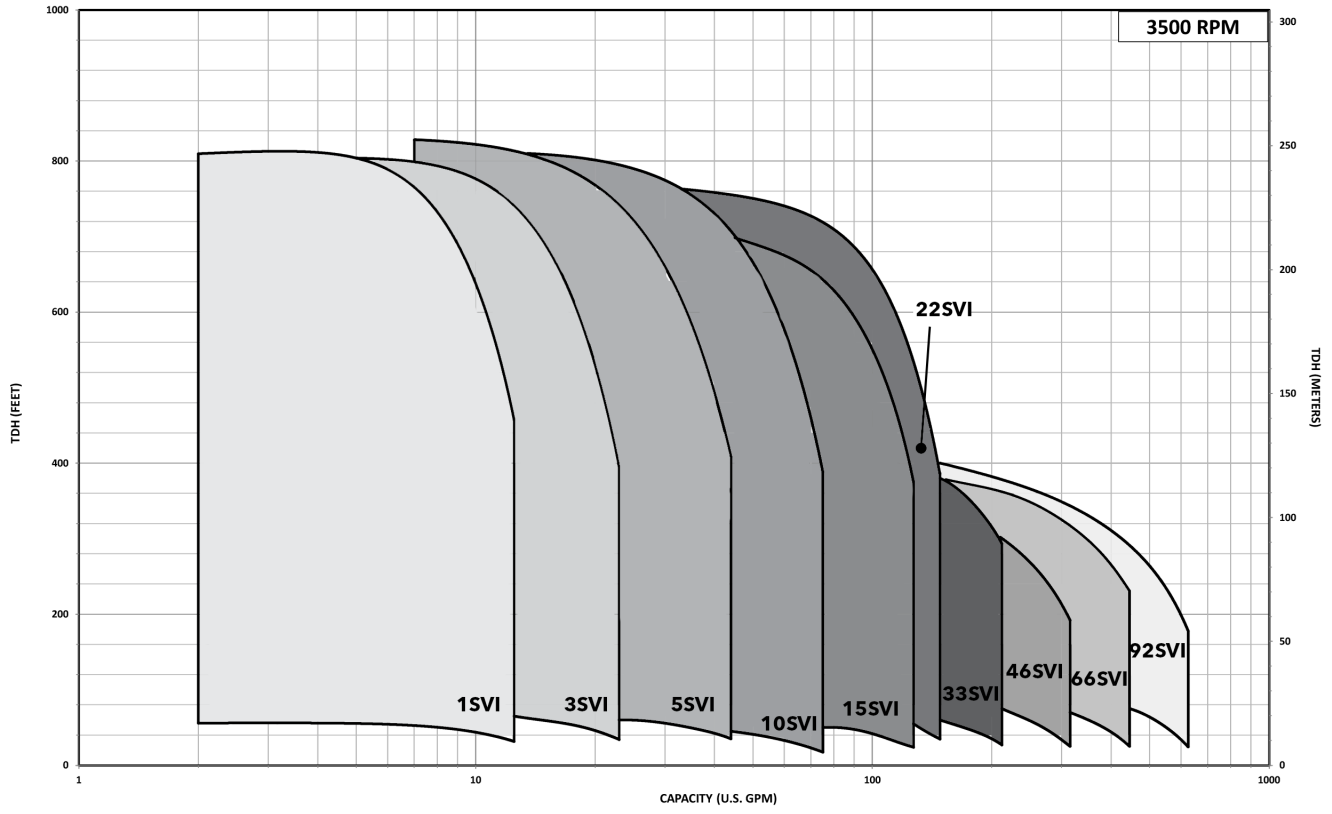


e-SVI RATING PLATE



| | |
|---|-------------------------------------|
| 1 | Goulds Water Technology Part Number |
| 2 | Rated Flow |
| 3 | Rated Head |
| 4 | Rated Speed |
| 5 | Rated Horsepower |
| 6 | Maximum Operating Pressure |
| 7 | Maximum Operating Temperature |
| 8 | Pump Serial Number |

e-SVI PUMP COVERAGE CURVE



Commercial Water

e-SVI SERIES IMMERSIBLE MULTISTAGE PUMPS

The e-SVI is an energy saving, vertical multistage pump with an immersible hydraulic end providing an ideal solution for top mount applications. Coupled models are equipped with standard NEMA premium efficient motors and are offered in both Cast Iron and Stainless Steel versions. The e-SVI is available in several hydraulic sizes, with nominal ranges up to 625 gpm (144 m³/h), and can be built with a variable number of stages to cover a wide range of duty points. To accommodate different suction depths, the e-SVI pump is configured to allow an additional number of blank stages to ensure the immersed part can reach the fluid within the tank design.

The e-SVI pump is available in three configurations:

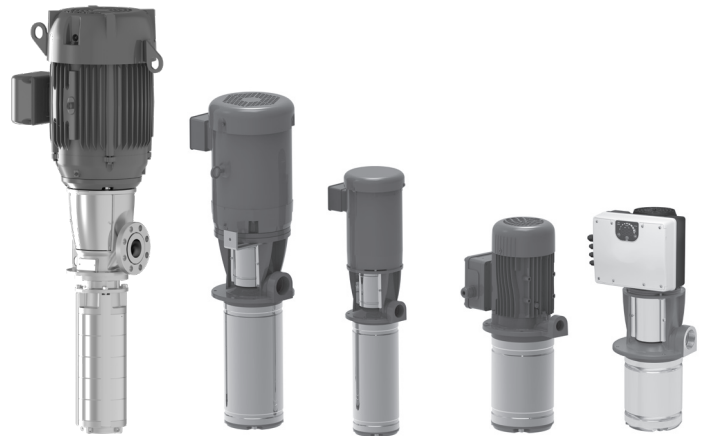
- Coupled: sizes 1-92 with standard NEMA motor
- Close-coupled: sizes 1, 3 and 5 with UL approved IEC motor
- Coupled and close-coupled: with Xylem Smart Motor

All configurations feature optimized hydraulic components which achieve significant energy savings throughout the life cycle of the pump. In addition, an innovative design feature of the impellers reduce the axial thrust to be supported by the bearings.

The e-SVI offers a range of shaft seals to handle high temperatures, pressures and aggressive liquids. We offer the inducer as a standard feature on all e-SVI configurations to ensure reliable low-level pumping. An easy to replace pre-assembled cartridge seal configuration is available to ensure the seal components will never be assembled incorrectly.

The compact close-coupled design features a UL approved IEC motor and is perfect for applications with limited space. The close-coupled models also feature an additional drain chamber to redirect any leaks back to the tank in case of a failure of the mechanical seal.

Built in Auburn, NY, the e-SVI is a powerful complement to the existing e-SV multistage pump family.



SPECIFICATIONS

The e-SVI multistage pump offers a wide range of material options and configurations tailored to your needs. This design features fabricated hydraulic components that are made entirely from stainless steel. The discharge head can be made from cast stainless steel or cast iron. It provides industry leading performance and range with flows up to 625 gpm (144 m³/h) and sizes from 1 to 92 to meet the demands of a wide range of applications. It is an interchangeable drop-in pump replacement for .75", 1.25" and 2" NPT threaded and 2.5" and 3" flange discharge connections.

e-SVI pumps can be supplied with a Hydrovar® drive or ultra-premium efficient Smart Motor in order to optimize the performance of the pump through variable speed.

Commercial Water

e-SVI SERIES IMMERSIBLE MULTISTAGE PUMPS PUMP

The e-SVI pump is a non-self priming vertical immersible multistage pump coupled to a standard motor.

Flow range: up to 625 gpm (144 m³/h)

Head: up to 830 ft (260 m)

Temperature of the pumped liquid (with standard mechanical seal):

- from 14°F to 194°F (-10°C to 90°C) for coupled versions
- from 14°F to 140°F (-10°C to 60°C) for close-coupled versions

Discharge connections and maximum operating pressure:

- .75" NPT for sizes 1-3-5 close-coupled, up to 145 psi (10 bar)
- 1.25" or 2" NPT for sizes 1-22 coupled, up to 362 psi (25 bar)
- 2.5" or 3" flanged for sizes 33-92 coupled, up to 435 psi (30 bar) (for size 33 only)

Published hydraulic performance is compliant to ISO 9906/HI 14.6 Grade 2B

Direction of rotation marked with an arrow on the adapter and coupling: clockwise (looking at the pump from the top down)

MOTOR

For coupled configurations:

- Standard NEMA premium efficiency motors in open drip proof or totally enclosed fan cooled enclosures.
- Standard voltage: see options in nomenclature

For close-coupled configurations:

- 2-pole motors with squirrel cage in short circuit, enclosed construction with external ventilation.
- Standard supplied IE2/IE3 motors are compliant with Regulation (EC) no. 640/2009 and IEC 60034-30.
- IP55 protection
- Class 155 (F) Insulation
- Performances according to EN 60034-1
- Standard voltage: see options in nomenclature
- Operating temperature:
Single-phase: from 32 to 104°F (0 to 40°C)
Three-phase: from 32 to 131°F (0 to 55°C)

SMART MOTOR

For coupled and close-coupled configurations:

- Voltage: single phase 208-230V to 2 HP, three phase 208-230/460V to 2 HP, three phase 380-460V to 3 HP
- Power: up to 3 HP (2.2 kW)
- Multipump capability: up to 3 units
- Power supply: 50/60 Hz
- Comms: BACnet and MODBUS® standard for single pumps
- Motor: IES2 package with IE5 motors
- Enclosure rating: IP55 / NEMA 3R
- Ambient temperature: -4°F / 122°F (20°C / +50°C) full power

APPLICATIONS

Designed with flexibility and reliability in mind, the e-SVI vertically immersed multistage pumps are the ideal choice for top mount tank applications. The pump design is an effective solution for industrial, water utilities and agricultural markets covering a wide range of applications including:

- Cooling and tool lubrication circuits
- Cooling systems
- Machine tooling
- Process temperature control
- Industrial washing systems (degreasing of mechanical components)
- Pressurization of clean liquids
- Transfer of condensation
- Filtering systems (Reverse Osmosis)
- Heat exchange
- Washing and cleaning systems (washing wells and washing cars and trucks)
- Electronics circuit washing
- Commercial washing machines

PUMPED LIQUIDS

- Cooling and lubricating fluids
- Emulsions
- Cutting, hydraulic and motor oil
- Condensation
- Water with detergents
- Desalinated water
- Water and glycol

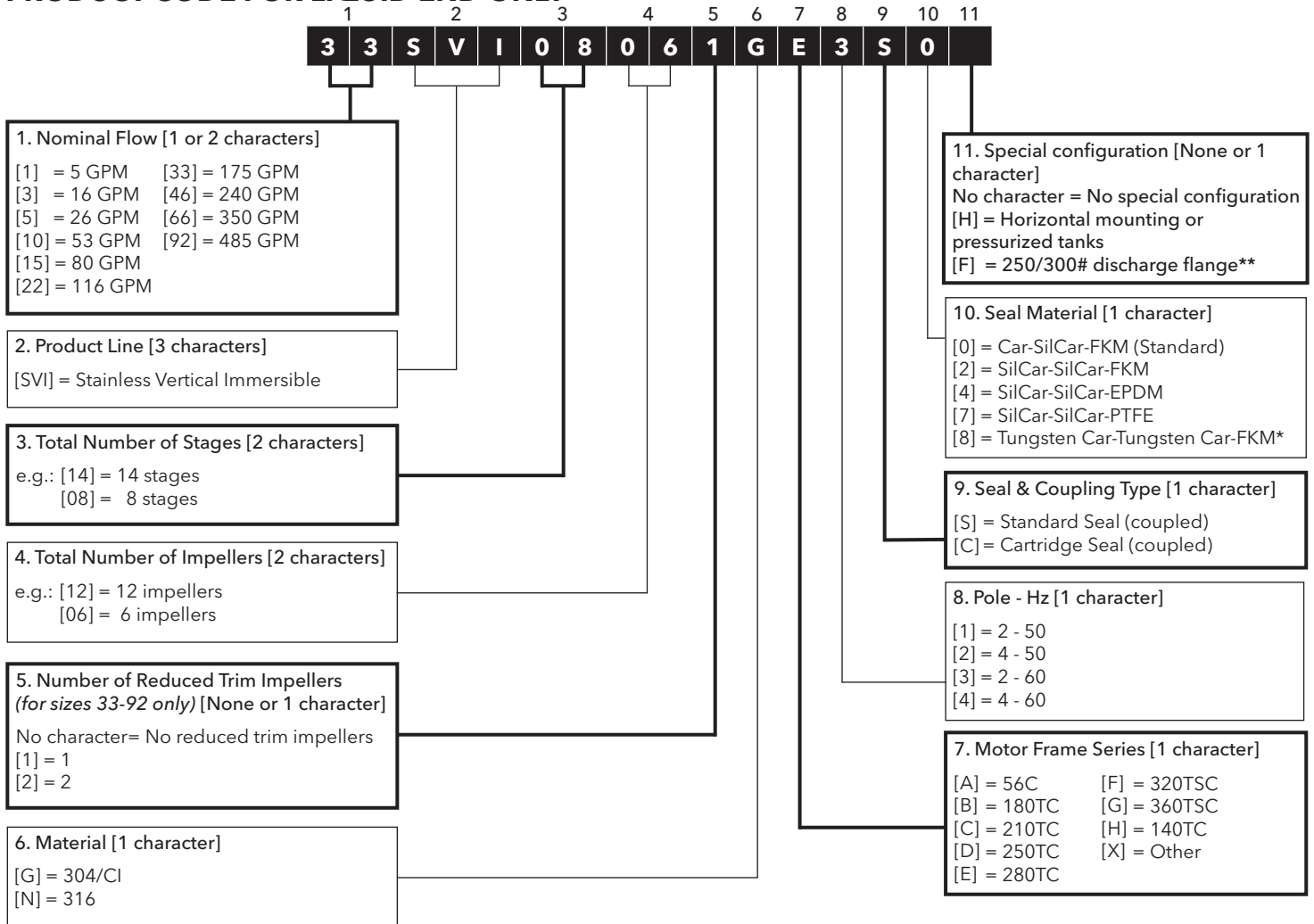
CHARACTERISTICS OF e-SVI 1, 3, 5, 10, 15, 22 (CAST IRON OR STAINLESS STEEL MATERIALS)

- Vertical pump with submersible body.
 - Stainless Steel "N" version with standard motor (coupled version) or motor with special shaft extension (close-coupled version) with hydraulic components, body and discharge head made entirely from 316 stainless steel
 - Cast Iron "G" version with standard motor:
 - Hydraulic components, tie-rods, suction base and filter made entirely of stainless steel.
 - Motor adapter and discharge head made of cast iron.
 - Reduced axial thrust due to the innovative design of the impellers that will increase the life of the motor used.
 - Standard version for temperatures ranging from -22°F to 194°F (-30°C to +90°C)
-

CHARACTERISTICS OF e-SVI 33, 46, 66, 92 (G OR N MATERIALS)

- Vertical pump with submersible body.
- "N" version with standard motor with hydraulic components, body and discharge head made entirely from 316 stainless steel.
- "G" version with standard motor:
 - Impellers, diffusers, tie-rods, suction base and filter made entirely of stainless steel.
 - Motor adapter and discharge head made of cast iron.
- Flanged discharge head that is compatible to ANSI class 125/250 (for "G" version) or class 150/300 (for "N" version) flanges.
- Balanced mechanical seal according to EN 12756 (ex DIN 24960) and ISO 3069, which can be serviced without removing the motor from the pump.
- Standard version for temperatures ranging from 14°F to 194°F (-10°C to +90°C).
- Minimum immersion level: 2.4"

PRODUCT CODE FOR LIQUID END ONLY



*For cartridge seal only
 **For sizes 33-92 only

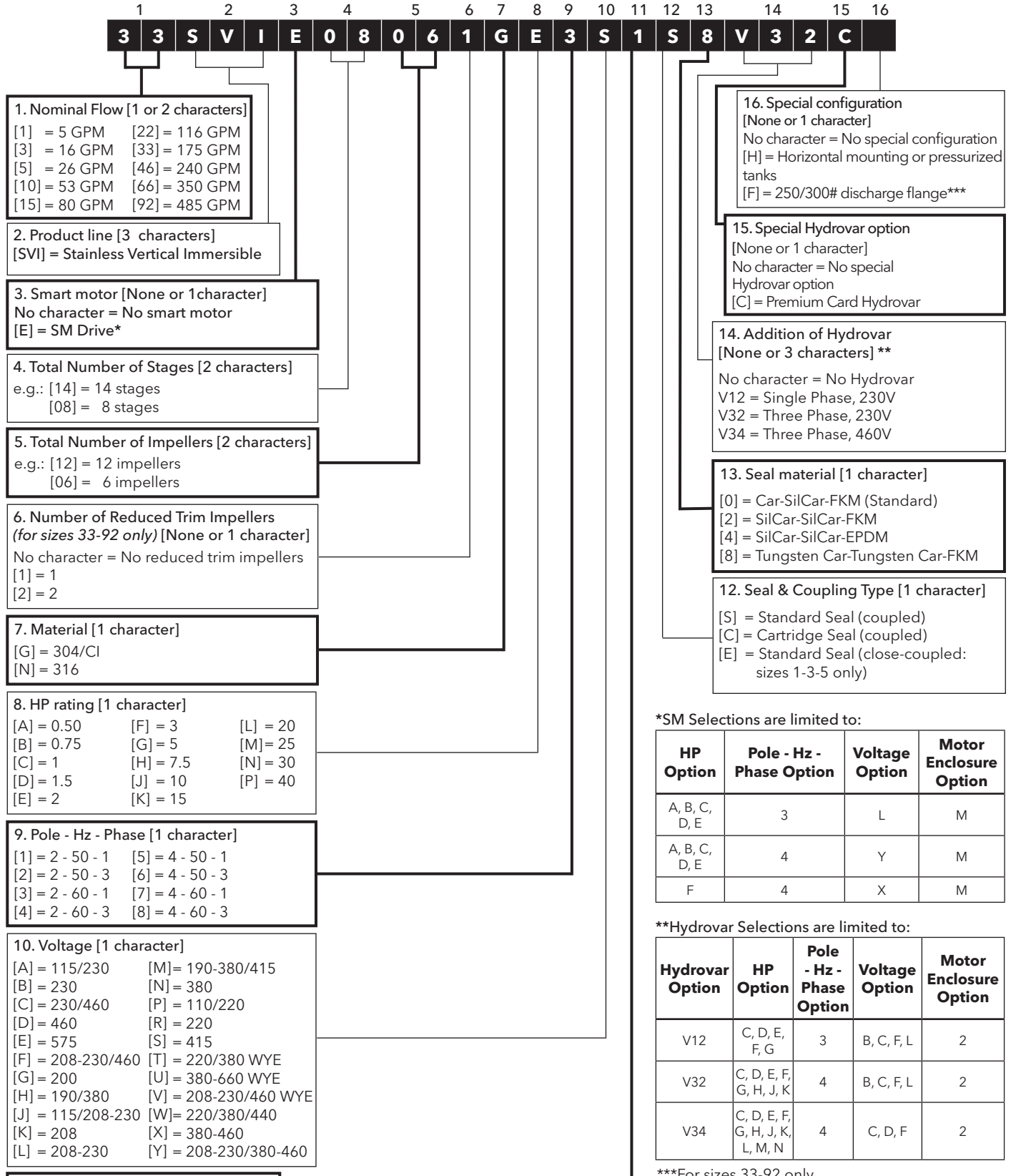
EXAMPLES:

10SVI0303GA3S0
 10SVI, 3 stages, 3 impellers,
 material 304/CI, motor frame
 series: 56, 2-pole, 60 Hz,
 standard seal: Car-SilCar-FKM

33SVI08061GE3S0
 33SVI, 8 stages, 6 impellers
 with 1 reduced impeller,
 material: CI (discharge head),
 304 SS (diffusers, tie rods),
 316SS (impellers), motor frame
 series: 280, 2-pole, 60 Hz,
 standard seal: Car-SilCar-FKM

Commercial Water

PRODUCT CODE FOR COMPLETE PUMP



*SM Selections are limited to:

| HP Option | Pole - Hz - Phase Option | Voltage Option | Motor Enclosure Option |
|---------------|--------------------------|----------------|------------------------|
| A, B, C, D, E | 3 | L | M |
| A, B, C, D, E | 4 | Y | M |
| F | 4 | X | M |

**Hydrovar Selections are limited to:

| Hydrovar Option | HP Option | Pole - Hz - Phase Option | Voltage Option | Motor Enclosure Option |
|-----------------|---------------------------------|--------------------------|----------------|------------------------|
| V12 | C, D, E, F, G | 3 | B, C, F, L | 2 |
| V32 | C, D, E, F, G, H, J, K | 4 | B, C, F, L | 2 |
| V34 | C, D, E, F, G, H, J, K, L, M, N | 4 | C, D, F | 2 |

***For sizes 33-92 only

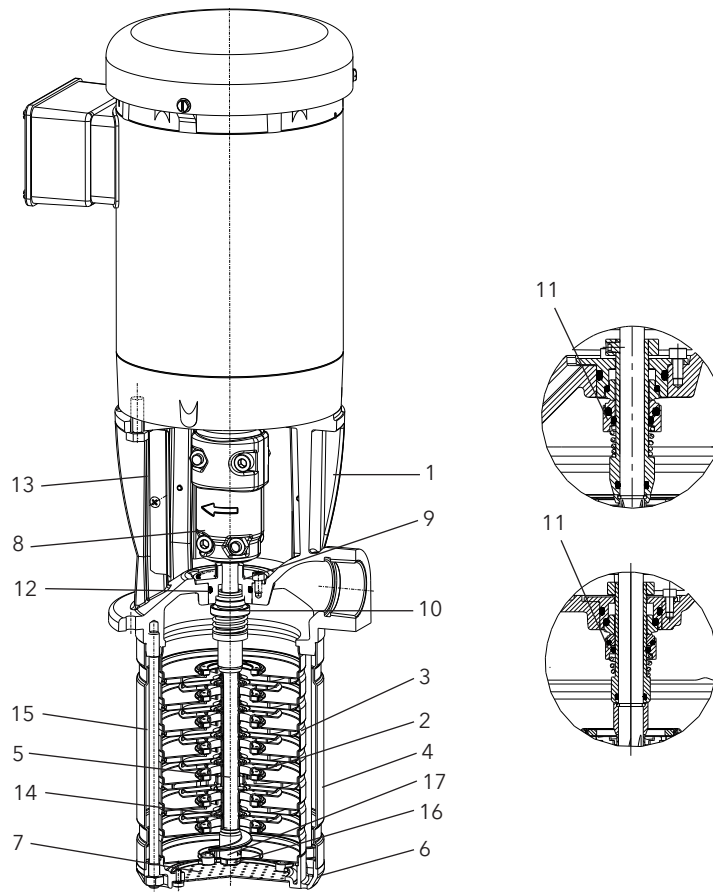
EXAMPLES:

10SVI0303GF3A1S0
 10SVI with smart motor, 3 stages, 3 impellers, material 304/Cl, motor: 3HP, 2-pole, 60 Hz, 1 phase, 115/230V, enclosure ODP, standard seal: Car-SilCar-FKM

10SVIE0202GE3LMS0
 10SVI with smart motor, 2 stages, 2 impellers, material 304/Cl, eSM motor: 2HP, 2-pole, 60 Hz, 1 phase, 208-230V, enclosure M, standard seal: Car-SilCar-FKM

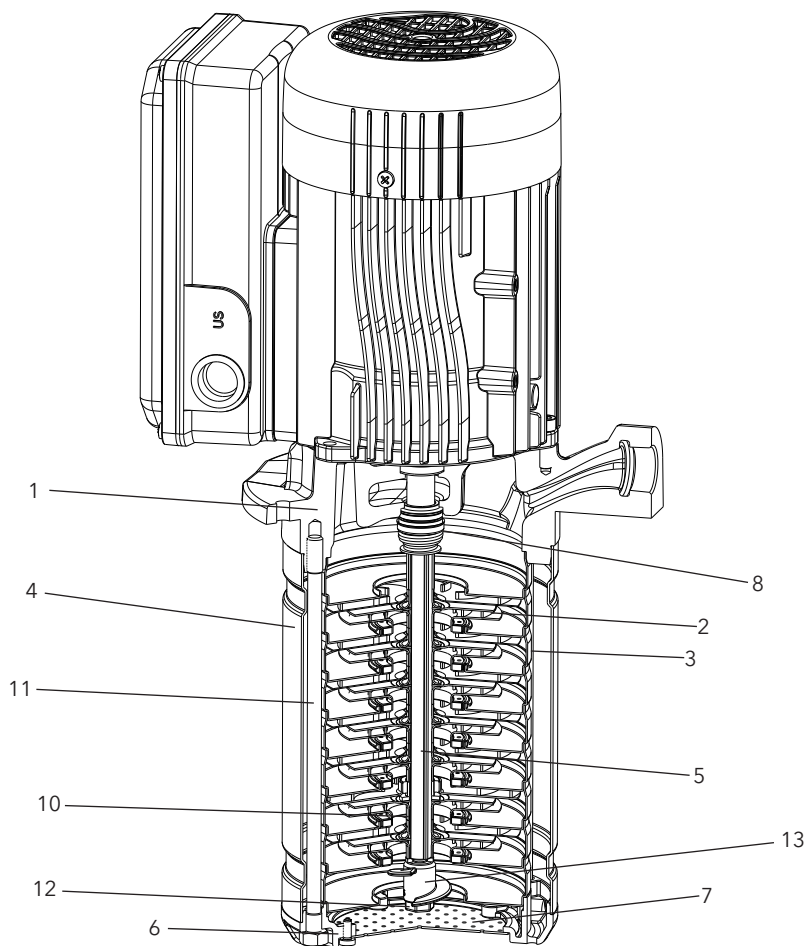
33SVI08061GN4C2S0V34
 33SVI, 8 stages, 6 impellers with 1 reduced impeller, material: Cl (discharge head), 304SS (diffusers, tie rods), 316SS (impellers), motor: 30 HP, 2-pole, 60 Hz, 3 phase, 230/460V, TEFC enclosure, standard seal: Car-SilCar-FKM, Hydrovar for 3 phase and 460V

BASE MODELS: 1-22 e-SVI COUPLED - MAJOR COMPONENTS



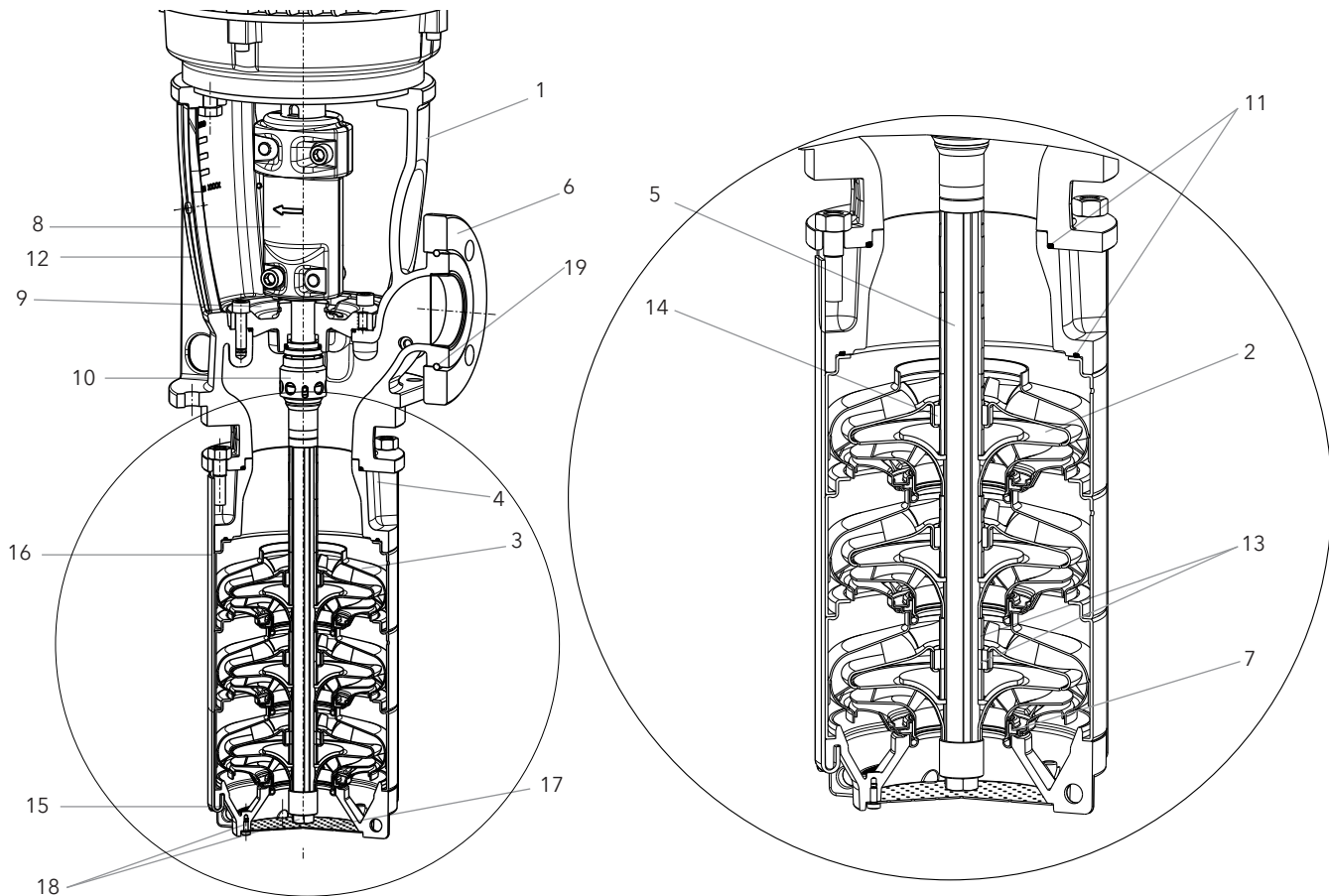
| NO. | DESCRIPTION | MATERIAL | REFERENCE STANDARDS | |
|-----|----------------------------------|---|--------------------------------------|---------------------------|
| | | | EUROPE | USA |
| 1 | Discharge Head and Motor Adapter | Cast iron (version G) | EN 1561-GJL-250 (JL1040) | ASTM Class 35 |
| | | Stainless steel (version N) | EN 10213-4-GX5CrNiMo19-11-2 (1.4408) | ASTM CF8M (AISI 316 cast) |
| 2 | Impeller | Stainless steel (version G) | EN 10088-1-X5CrNi18-10 (1.4301) | AISI 304 |
| | | Stainless steel (version N) | EN 10088-1-X2CrNiMo17-12-2 (1.4404) | AISI 316L |
| 3 | Diffuser | Stainless steel (version G) | EN 10088-1-X5CrNi18-10 (1.4301) | AISI 304 |
| | | Stainless steel (version N) | EN 10088-1-X2CrNiMo17-12-2 (1.4404) | AISI 316L |
| 4 | Casing | Stainless steel | EN 10088-1-X2CrNiMo17-12-2 (1.4404) | AISI 316L |
| 5 | Shaft | Stainless steel | EN 10088-1-X5CrNiMo17-12-2 (1.4401) | AISI 316 |
| 6 | Suction Base | Stainless steel | EN 10213-4-GX5CrNiMo19-11-2 (1.4408) | ASTM CF8M (AISI 316 cast) |
| 7 | Strainer | Stainless steel | EN 10088-1-X5CrNiMo17-12-2 (1.4401) | AISI 316 |
| 8 | Coupling | Aluminium | EN 1706-AC-AISI11Cu2 (Fe) (AC46100) | |
| 9 | Seal Housing | Stainless steel | EN 10213-4-GX5CrNiMo19-11-2 (1.4408) | ASTM CF8M (AISI 316 cast) |
| 10 | Mechanical Seal | See Mechanical Seal Section for Material Combinations | | |
| 11 | Cartridge Seal | Silicon Carbide / Carbon / FKM (EPDM) / AISI 316 | | |
| 12 | Elastomers | FKM and EPDM | | |
| 13 | Coupling Guard | Stainless steel | EN 10088-1-X5CrNi18-10 (1.4301) | AISI 304 |
| 14 | Shaft Sleeve and Bushing | Tungsten Carbide/Ceramic | | |
| 15 | Tie Rods | Stainless steel | EN 10088-1-X5CrNiMo17-12-2 (1.4401) | AISI 316 |
| 16 | Fasteners | Stainless steel | EN 10088-1-X5CrNiMo17-12-2 (1.4401) | AISI 316 |
| 17 | Inducer | Stainless steel | EN 10213-4-GX5CrNiMo19-11-2 (1.4408) | ASTM CF8M (AISI 316 cast) |

BASE MODELS: 1, 3, 5 e-SVI CLOSE-COUPLED - MAJOR COMPONENTS



| NO. | DESCRIPTION | MATERIAL | REFERENCE STANDARDS | |
|-----|----------------------------------|--|--------------------------------------|---------------------------|
| | | | EUROPE | USA |
| 1 | Discharge Head and Motor Adapter | Cast iron (version G) | EN 1561-GJL-250 (JL1040) | ASTM Class 35 |
| | | Stainless steel (version N) | EN 10213-4-GX5CrNiMo19-11-2 (1.4408) | ASTM CF8M (AISI 316 cast) |
| 2 | Impeller | Stainless steel | EN 10088-1-X2CrNiMo17-12-2 (1.4404) | AISI 316L |
| 3 | Diffuser | Stainless steel | EN 10088-1-X2CrNiMo17-12-2 (1.4404) | AISI 316L |
| 4 | Casing | Stainless steel | EN 10088-1-X2CrNiMo17-12-2 (1.4404) | AISI 316L |
| 5 | Shaft | Stainless steel | EN 10088-1-X5CrNiMo17-12-2 (1.4401) | AISI 316 |
| 6 | Suction Base | Stainless steel | EN 10213-4-GX5CrNiMo19-11-2 (1.4408) | ASTM CF8M (AISI 316 cast) |
| 7 | Strainer | Stainless steel | EN 10088-1-X5CrNiMo17-12-2 (1.4401) | AISI 316 |
| 8 | Mechanical Seal | <i>See Mechanical Seal Section for Material Combinations</i> | | |
| 9 | Sealing Ring (not shown) | NBR | | |
| 10 | Shaft Sleeve and Bushing | Tungsten Carbide/Ceramic | | |
| 11 | Tie Rods | Stainless steel | EN 10088-1-X5CrNiMo17-12-2 (1.4401) | AISI 316 |
| 12 | Fasteners | Stainless steel | EN 10088-1-X5CrNiMo17-12-2 (1.4401) | AISI 316 |
| 13 | Inducer | Stainless steel | EN 10213-4-GX5CrNiMo19-11-2 (1.4408) | ASTM CF8M (AISI 316 cast) |

BASE MODELS: 33-92 e-SVI COUPLED - MAJOR COMPONENTS

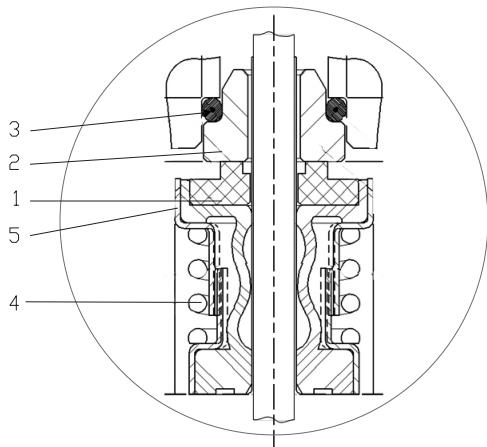


| NO. | Description | MATERIAL | REFERENCE STANDARDS | |
|-----|----------------------------------|--|--------------------------------------|---------------------------|
| | | | EUROPE | USA |
| 1 | Discharge Head and Motor Adapter | Cast iron (version G) | EN 1561-GJL-250 (JL1040) | ASTM Class 35 |
| | | Stainless Steel (version N) | EN 10213-4-GX5CrNiMo19-11-2 (1.4408) | ASTM CF8M (AISI 316 cast) |
| 2 | Impeller | Stainless steel | EN 10088-1-X2CrNiMo17-12-2 (1.4404) | AISI 316L |
| 3 | Diffuser | Stainless steel | EN 10088-1-X2CrNiMo17-12-2 (1.4404) | AISI 316L |
| 4 | Casing Adapter | Cast iron (version G) | EN 1561-GJL-250 (JL1040) | ASTM Class 35 |
| | | Stainless steel (version N) | EN 10213-4-GX5CrNiMo19-11-2 (1.4408) | ASTM CF8M (AISI 316 cast) |
| 5 | Shaft | Stainless steel | EN 10088-1 - X17CrNi16-2 (1.4057) | AISI 431 |
| 6 | Discharge Flange | Ductile Iron (version G) | EN GJS-450-10 (5.3107) | ASTM Gr 65-45-12 |
| | | Stainless Steel (version N) | EN 1561-GJL-200 (JL1030) | ASTM CF8M (AISI 316 cast) |
| 7 | Wear Ring | Technopolymer PPS | EN 10213-4-GX5CrNiMo19-11-2 (1.4408) | EN 1561-GJL-200 (JL1030) |
| 8 | Coupling | Cast iron | EN 1561-GJL-200 (JL1030) | ASTM Class 25 |
| 9 | Seal Housing | Cast iron (version G) | EN 1561-GJL-250 (JL1040) | ASTM Class 35 |
| | | Stainless steel (version N) | EN 10213-4-GX5CrNiMo19-11-2 (1.4408) | ASTM CF8M (AISI 316 cast) |
| 10 | Mechanical Seal | <i>See Mechanical Seal Section for Material Combinations</i> | | |
| 11 | Elastomers | FKM and EPDM | | |
| 12 | Coupling Guard | Stainless steel | EN 10088-1-X5CrNi18-10 (1.4301) | AISI 304 |
| 13 | Shaft Sleeve and Bushing | Tungsten Carbide/Ceramic | | |
| 14 | Bushing for Diffuser | Carbon | | |
| 15 | Suction Base | Stainless steel | EN 10213-4-GX5CrNiMo19-11-2 (1.4408) | ASTM CF8M (AISI 316 cast) |
| 16 | Tie Rods | Stainless steel | EN 10088-1-X2CrNiMo17-12-2 (1.4404) | AISI 316L |
| 17 | Strainer | Stainless steel | EN 10088-1-X5CrNiMo17-12-2 (1.4401) | AISI 316 |
| 18 | Fasteners | Stainless steel | EN 10088-1-X5CrNiMo17-12-2 (1.4401) | AISI 316 |
| 19 | Snap Ring | Stainless steel | | AISI302 |

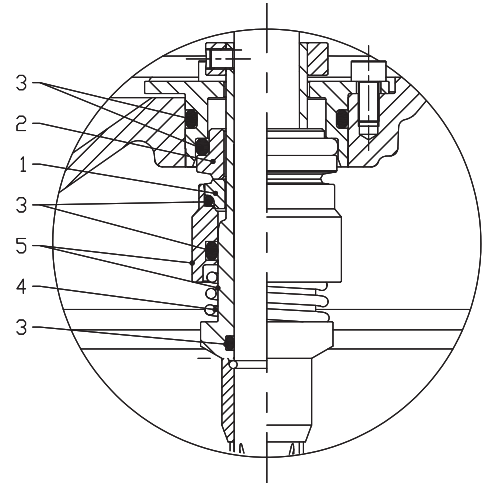
Commercial Water

e-SVI MECHANICAL SEAL: 1-22 e-SVI COUPLED

STANDARD SEAL



BALANCED CARTRIDGE SEAL

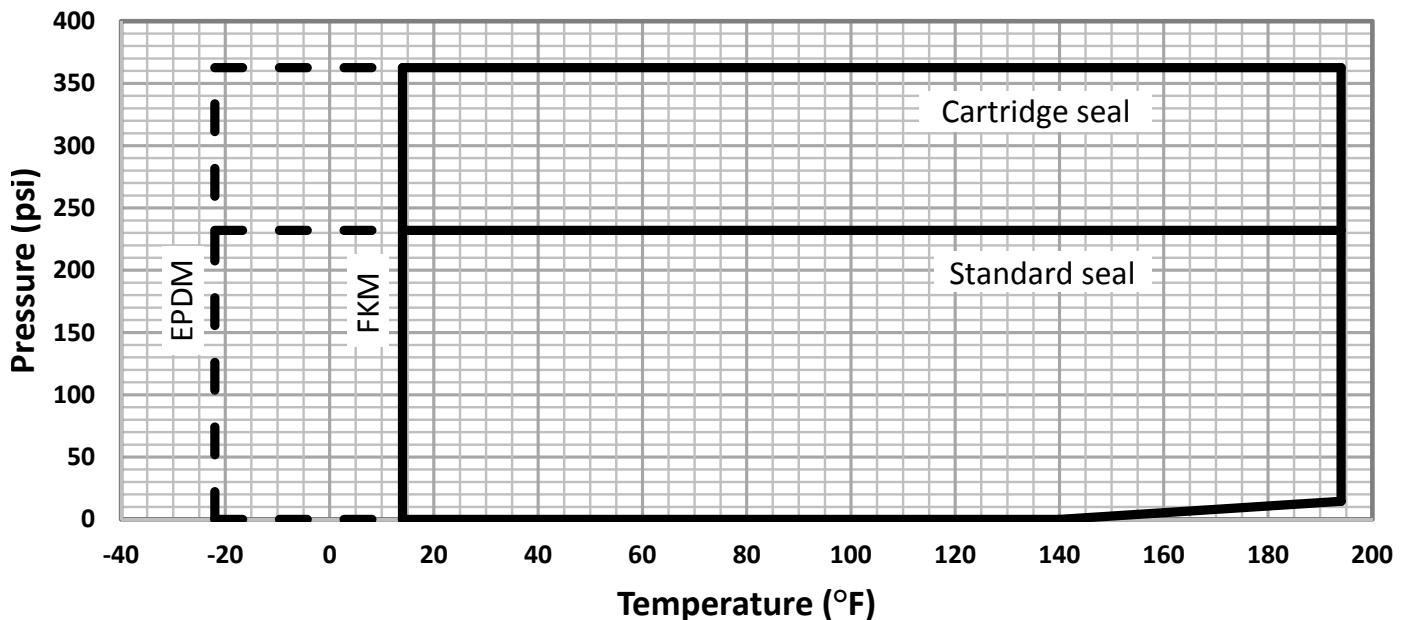


SEAL MATERIAL COMBINATIONS

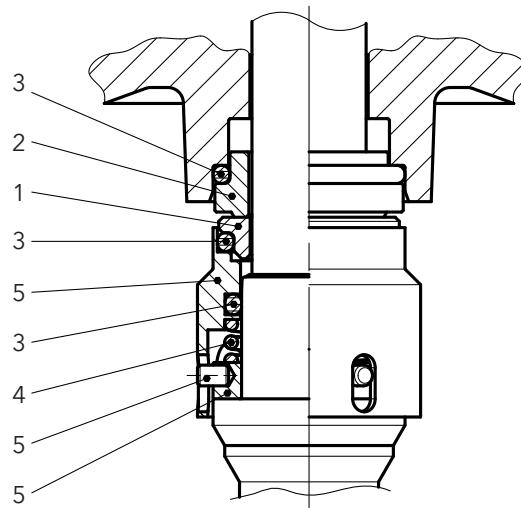
| CODE | TYPE | SEAL COMPONENT | | | | | TEMPERATURE (°F) |
|---------------------------------------|-------------------------------------|--------------------|--------------------------|-----------------|--------------|-----------------------|------------------|
| | | 1 ROTATING PART | 2 STATIONARY PART | 3 ELASTOMERS | 4 SPRINGS | 5 OTHER COMPONENTS | |
| STANDARD MECHANICAL SEAL | | | | | | | |
| 0 | Q ₁ B V G G | Silicon carbide | Resin impregnated carbon | FKM | AISI 316 | AISI 316 | 14 to 194 |
| OTHER TYPES OF MECHANICAL SEAL | | | | | | | |
| 2 | Q ₁ Q ₁ V G G | Silicon carbide | Silicon carbide | FKM | AISI 316 | AISI 316 | 14 to 194 |
| 4 | Q ₁ Q ₁ E G G | Silicon carbide | Silicon carbide | EPDM | AISI 316 | AISI 316 | -22 to 194 |
| 8* | U ₃ U ₃ V G G | Tungsten carbide | Tungsten carbide | FKM | AISI 316 | AISI 316 | 14 to 194 |

*For cartridge seal only

MAXIMUM ALLOWABLE WORKING PRESSURE



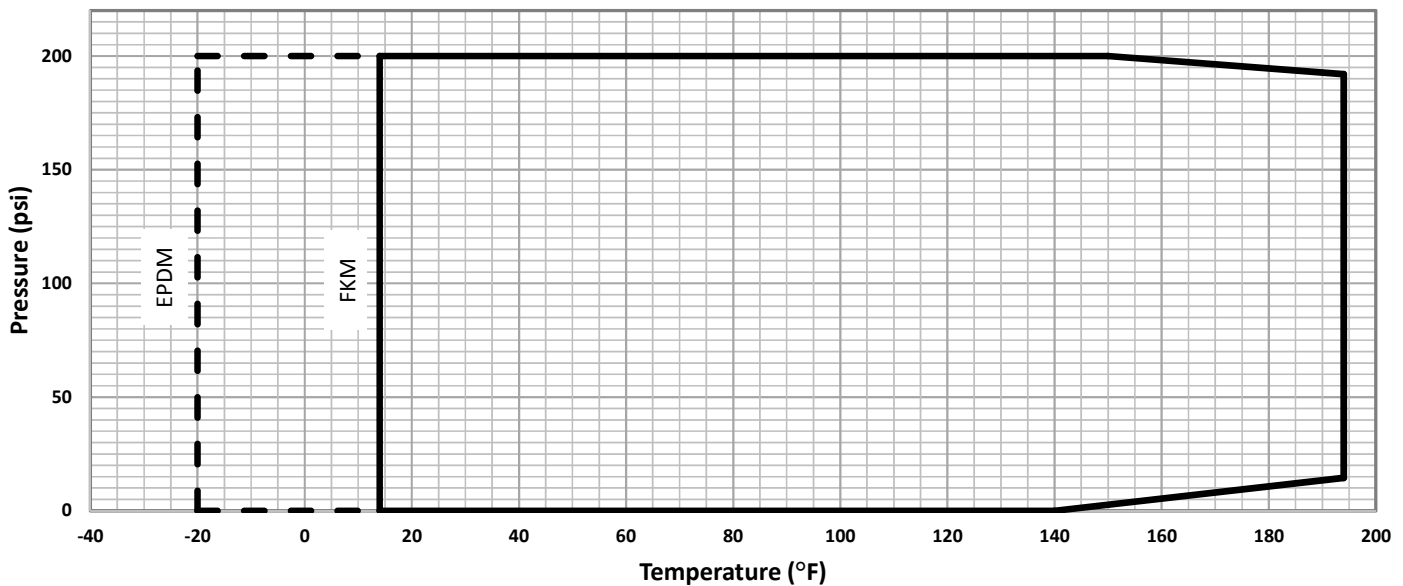
e-SVI MECHANICAL SEAL: 33-92 e-SVI COUPLED



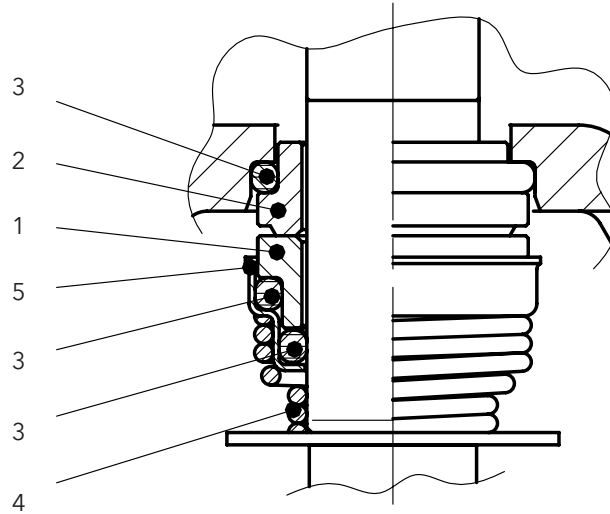
SEAL MATERIAL COMBINATIONS

| CODE | TYPE | SEAL COMPONENT | | | | | TEMPERATURE (°F) |
|---------------------------------------|-------------------------------------|--------------------|--------------------------|-----------------|--------------|-----------------------|------------------|
| | | 1 ROTATING PART | 2 STATIONARY PART | 3 ELASTOMERS | 4 SPRINGS | 5 OTHER COMPONENTS | |
| STANDARD MECHANICAL SEAL | | | | | | | |
| 0 | Q ₁ B V G G | Silicon carbide | Resin impregnated carbon | FKM | AISI 316 | AISI 316 | 14 to 194 |
| OTHER TYPES OF MECHANICAL SEAL | | | | | | | |
| 2 | Q ₁ Q ₁ V G G | Silicon carbide | Silicon carbide | FKM | AISI 316 | AISI 316 | 14 to 194 |
| 4 | Q ₁ Q ₁ E G G | Silicon carbide | Silicon carbide | EPDM | AISI 316 | AISI 316 | -22 to 194 |

MAXIMUM ALLOWABLE WORKING PRESSURE



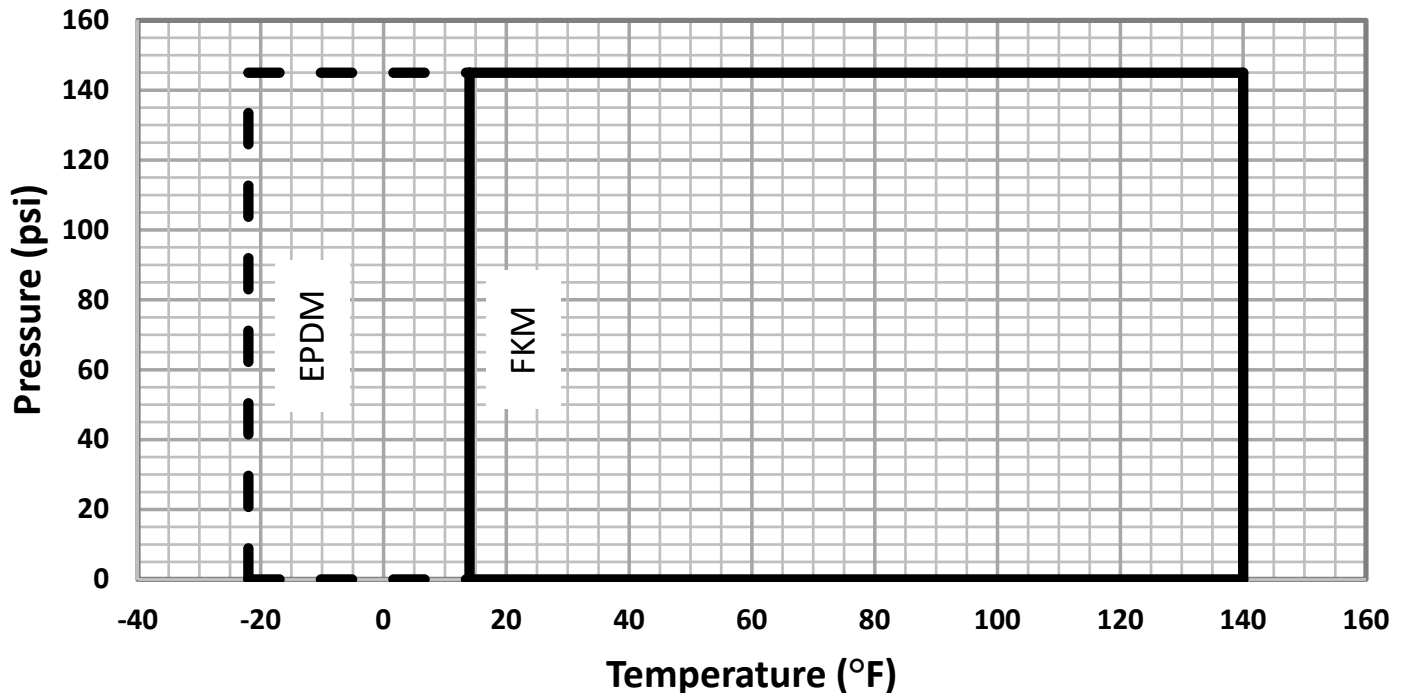
e-SVI MECHANICAL SEAL: 1-3-5 e-SVI CLOSE-COUPLED



SEAL MATERIAL COMBINATIONS

| CODE | TYPE | SEAL COMPONENT | | | | | TEMPERATURE (°F) |
|---------------------------------------|-------------------------------------|------------------|--------------------------|------------|----------|------------------|------------------|
| | | 1 | 2 | 3 | 4 | 5 | |
| | | ROTATING PART | STATIONARY PART | ELASTOMERS | SPRINGS | OTHER COMPONENTS | |
| STANDARD MECHANICAL SEAL | | | | | | | |
| 0 | Q ₁ B V G G | Silicon carbide | Resin impregnated carbon | FKM | AISI 316 | AISI 316 | 14 to 140 |
| OTHER TYPES OF MECHANICAL SEAL | | | | | | | |
| 4 | Q ₁ Q ₁ E G G | Silicon carbide | Silicon carbide | EPDM | AISI 316 | AISI 316 | -22 to 140 |
| 8 | U ₃ U ₃ V G G | Tungsten carbide | Tungsten carbide | FKM | AISI 316 | AISI 316 | 14 to 140 |

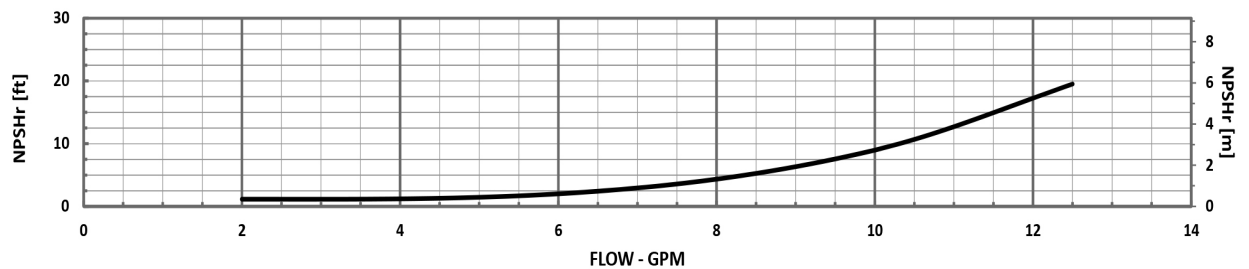
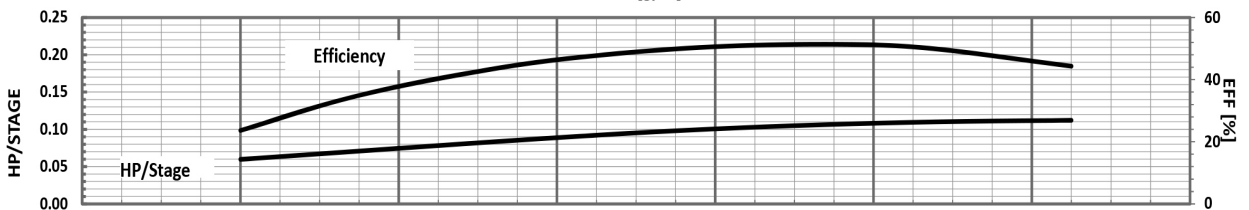
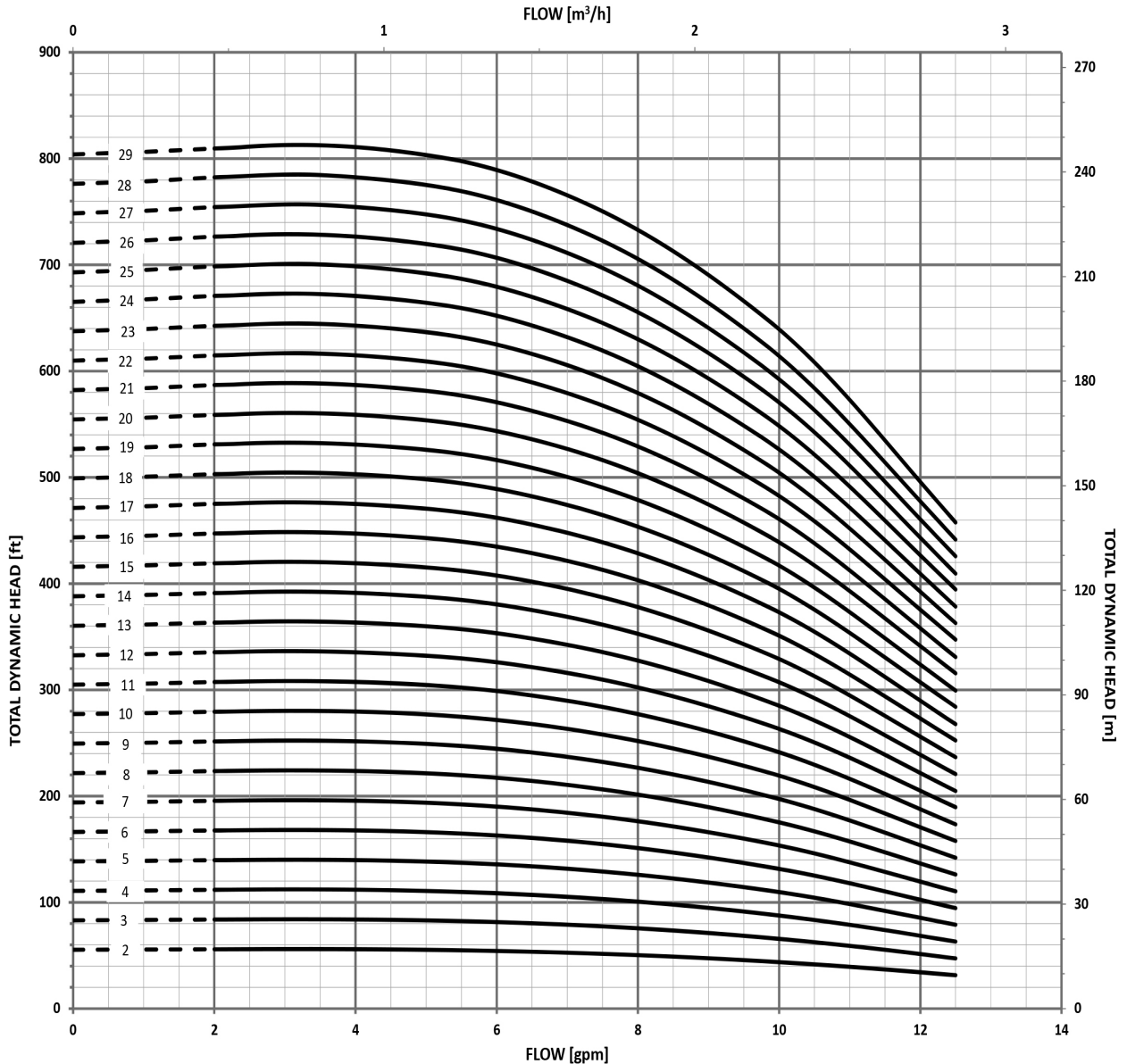
MAXIMUM ALLOWABLE WORKING PRESSURE



PERFORMANCE CURVE

1 e-SVI COUPLED, 3500 RPM

60 Hz

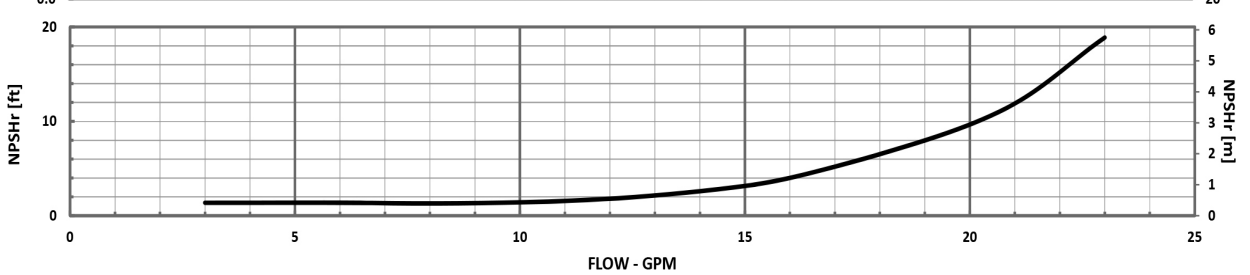
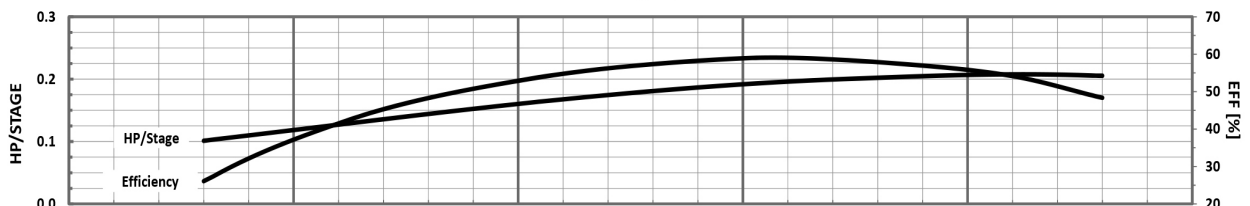
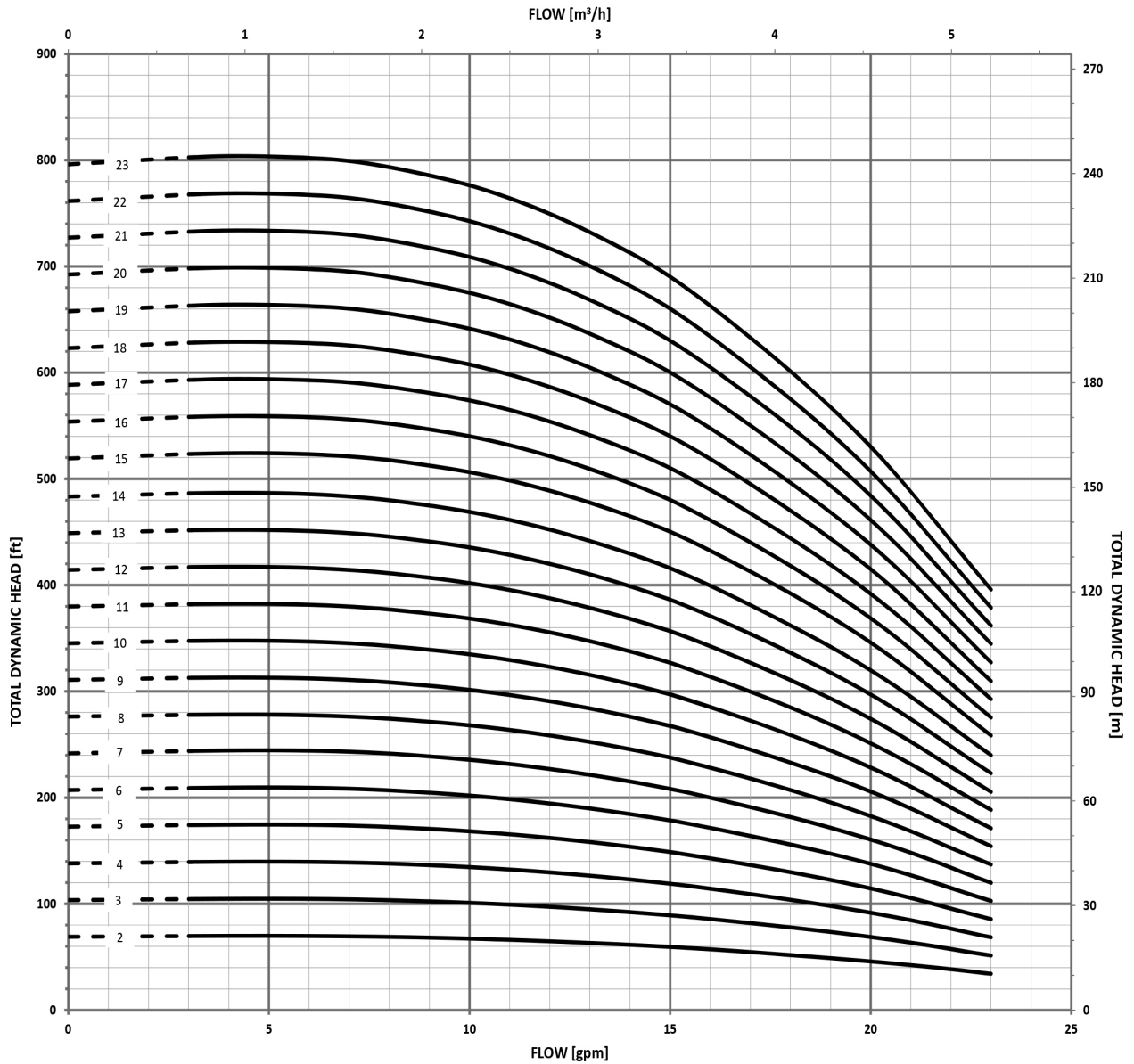


MINIMUM FLOW RATE: 2 GPM [$\frac{1}{2} m^3/hr$]

PERFORMANCE CURVE

3 e-SVI COUPLED, 3500 RPM

60 Hz

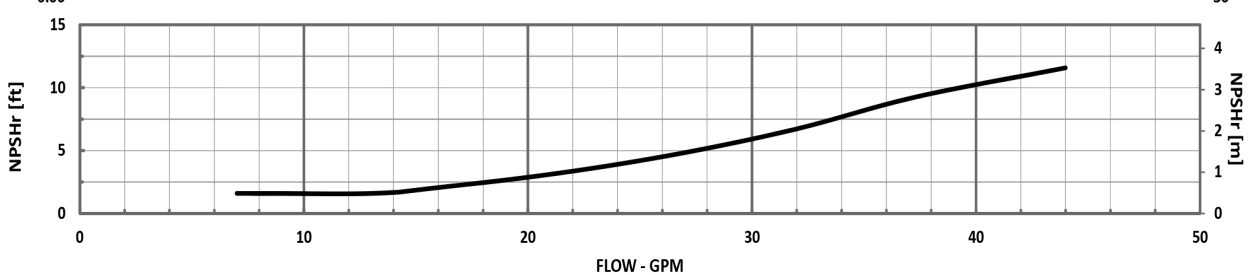
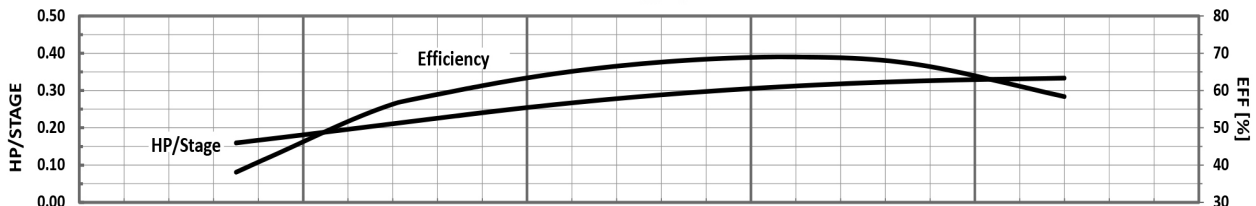
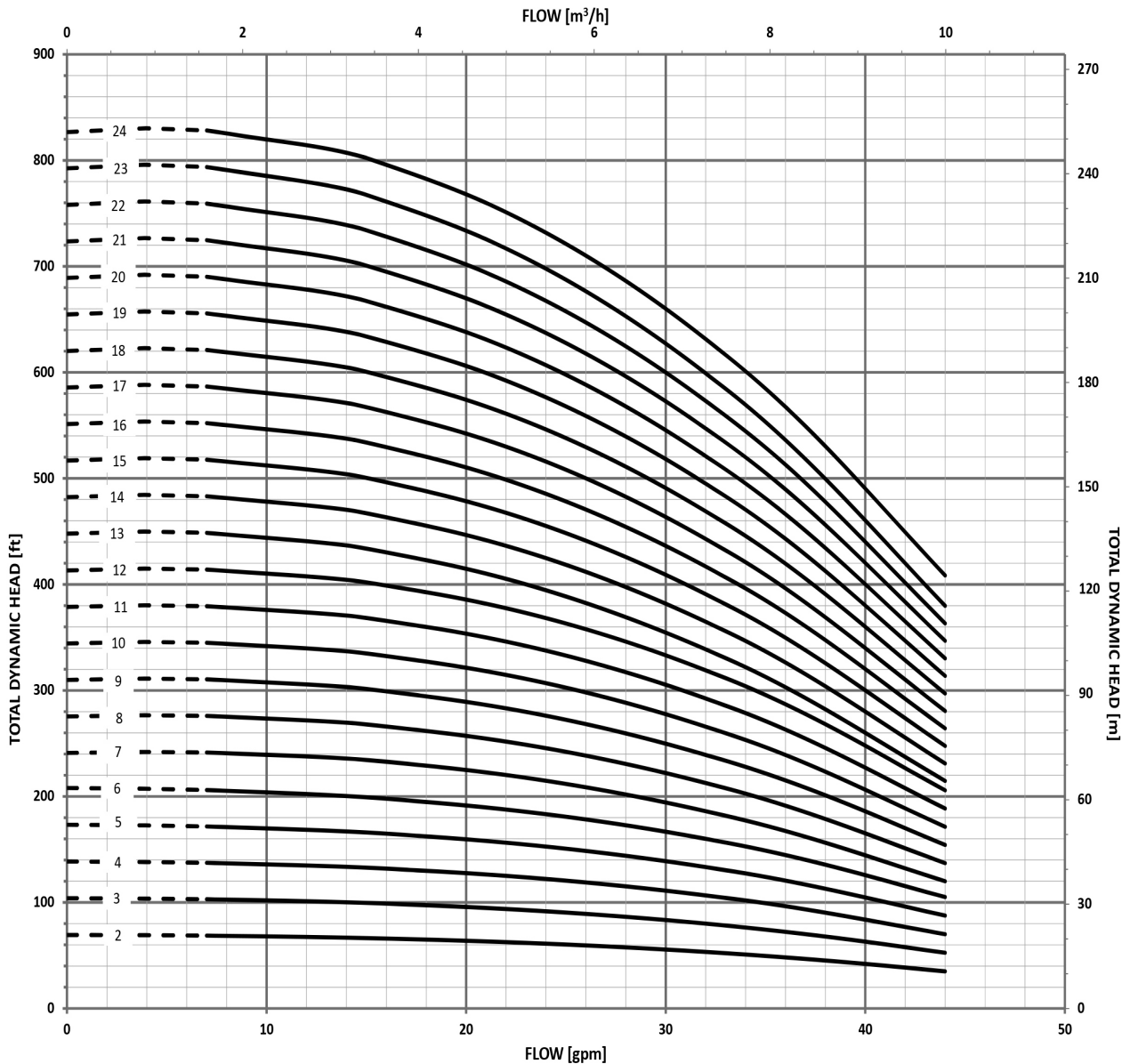


MINIMUM FLOW RATE: 3 GPM [.68 m³/hr]

PERFORMANCE CURVE

5 e-SVI COUPLED, 3500 RPM

60 Hz

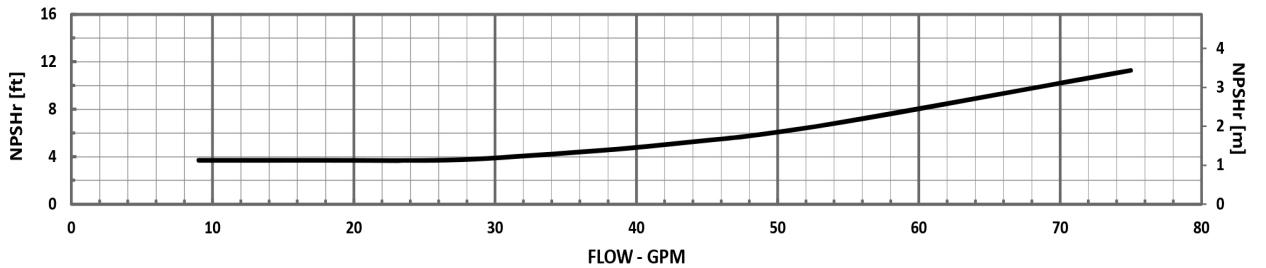
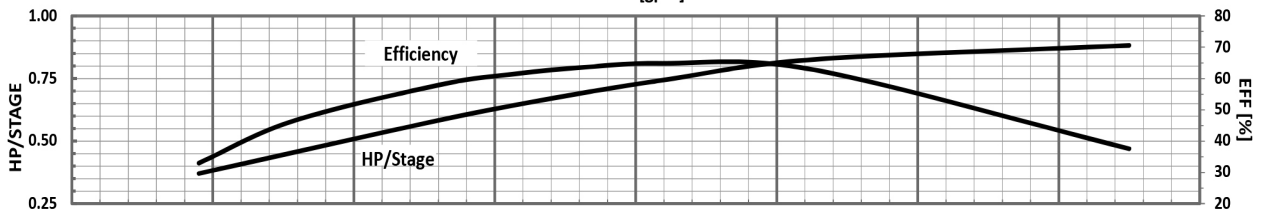
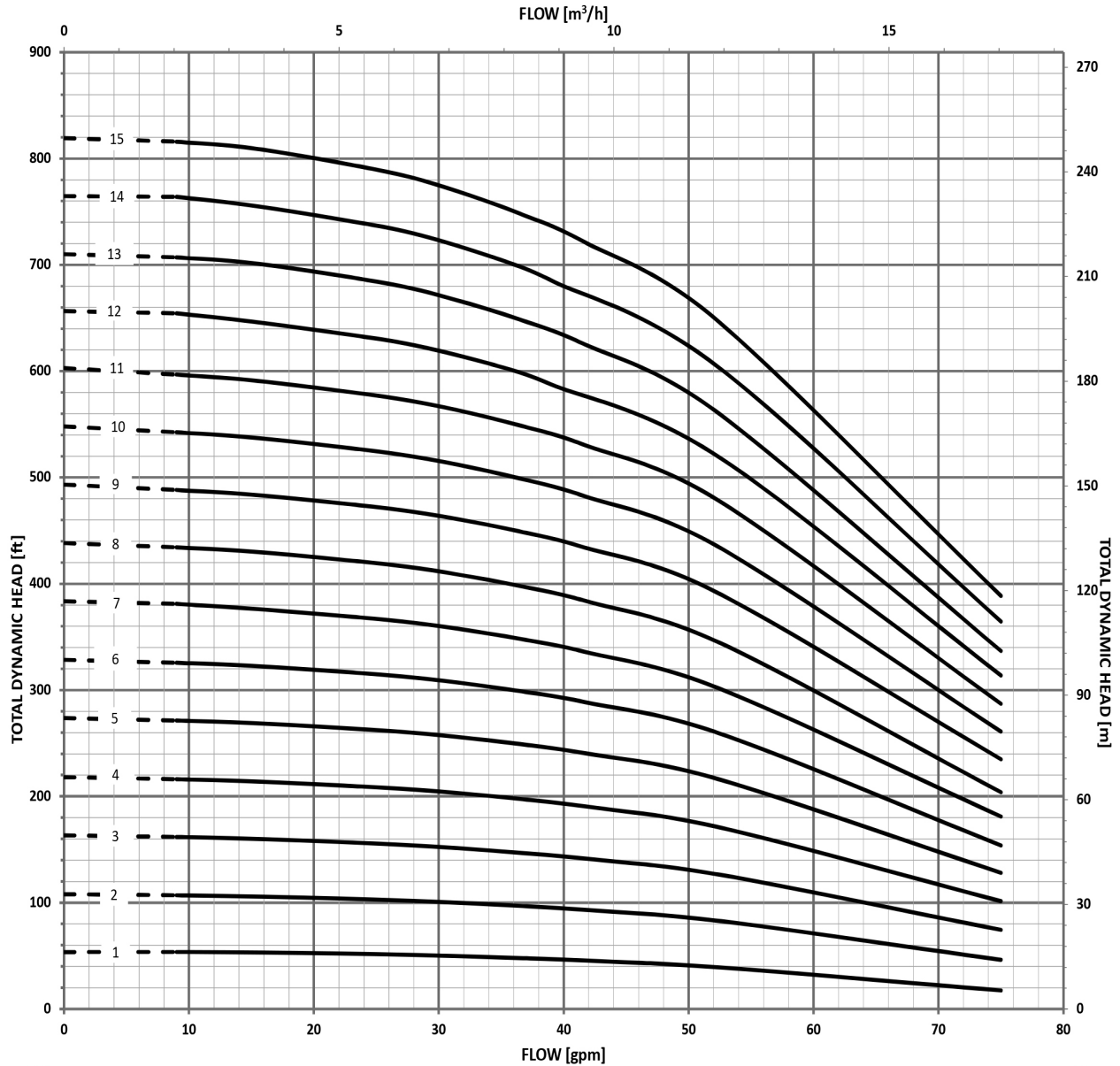


MINIMUM FLOW RATE: 7 GPM [1.6 m³/hr]

PERFORMANCE CURVE

10 e-SVI COUPLED, 3500 RPM

60 Hz

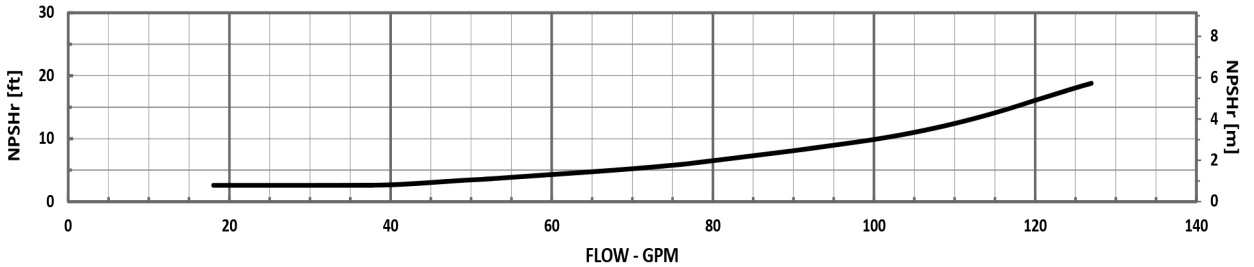
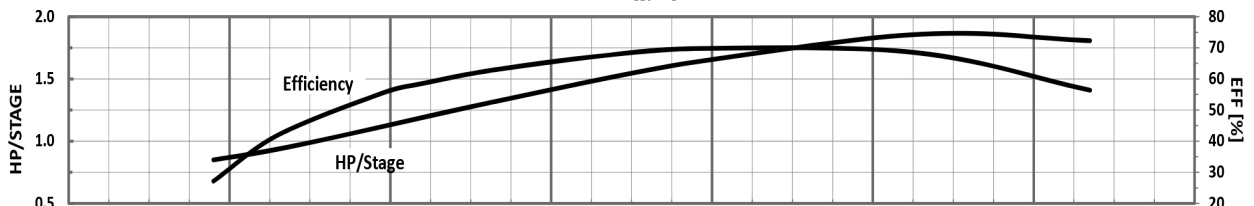
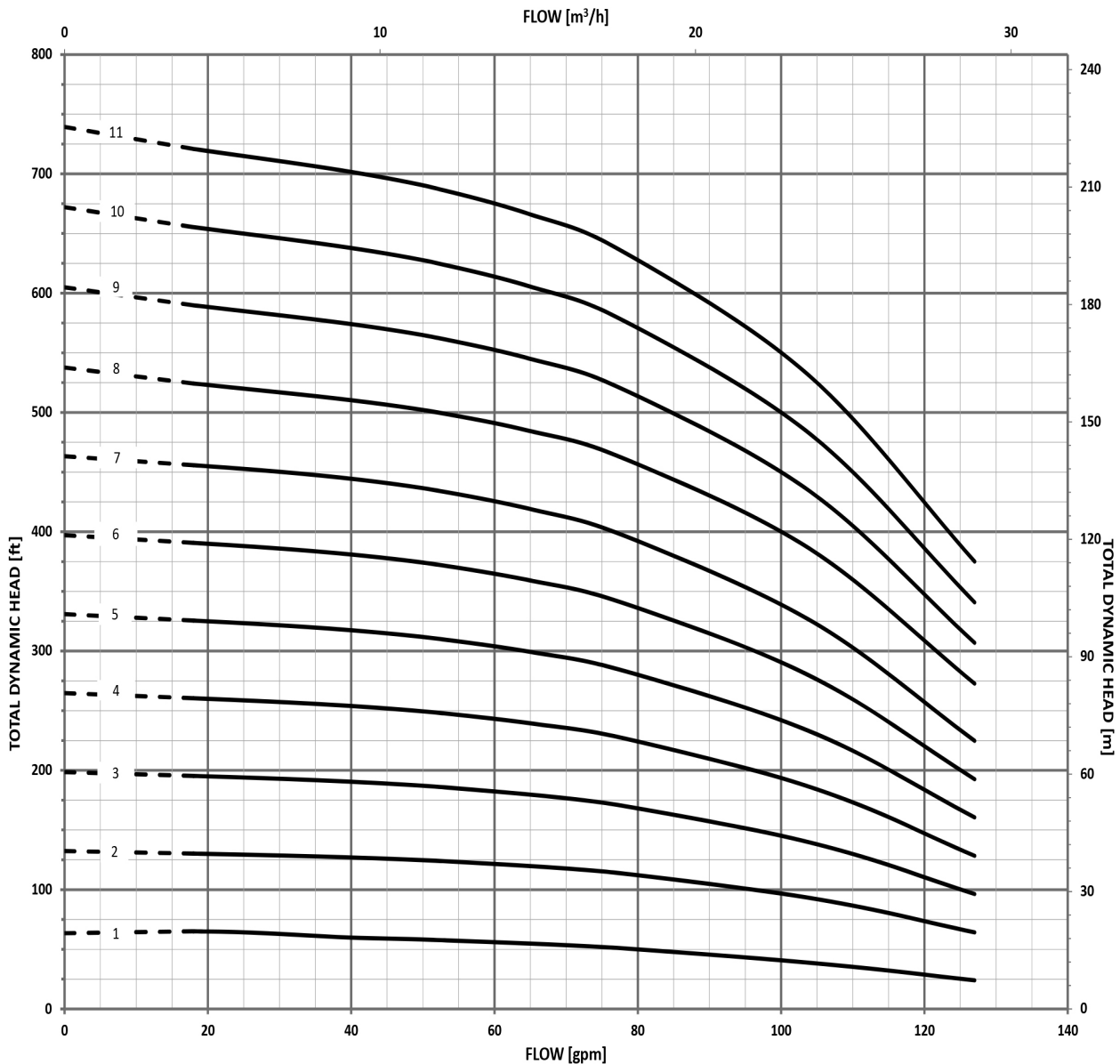


MINIMUM FLOW RATE: 9 GPM [2 m³/hr]

PERFORMANCE CURVE

15 e-SVI COUPLED, 3500 RPM

60 Hz

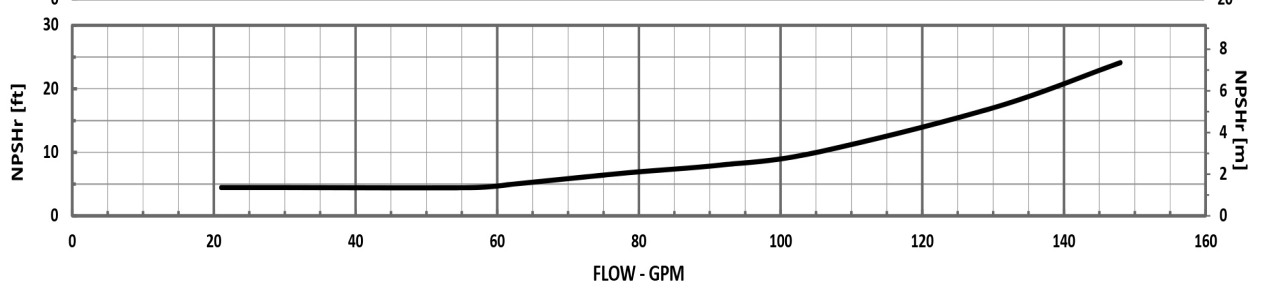
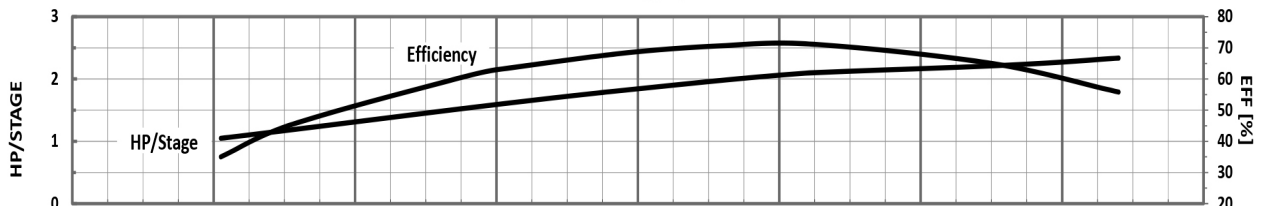
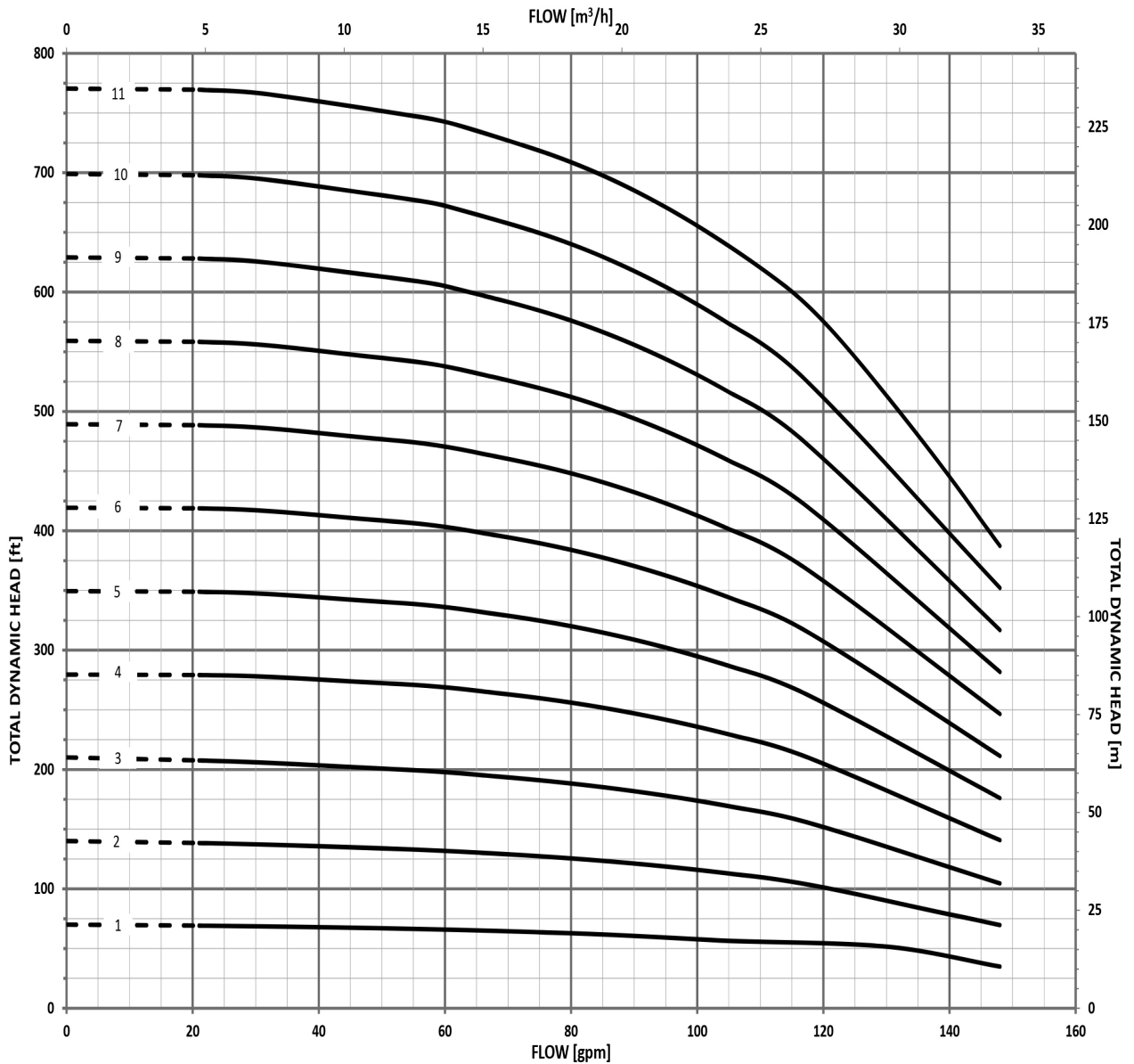


MINIMUM FLOW RATE: 18 GPM [4.1 m³/hr]

PERFORMANCE CURVE

22 e-SVI COUPLED, 3500 RPM

60 Hz

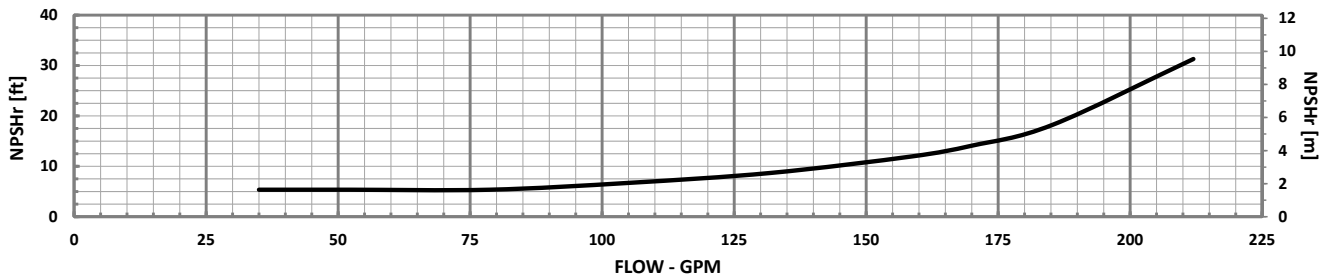
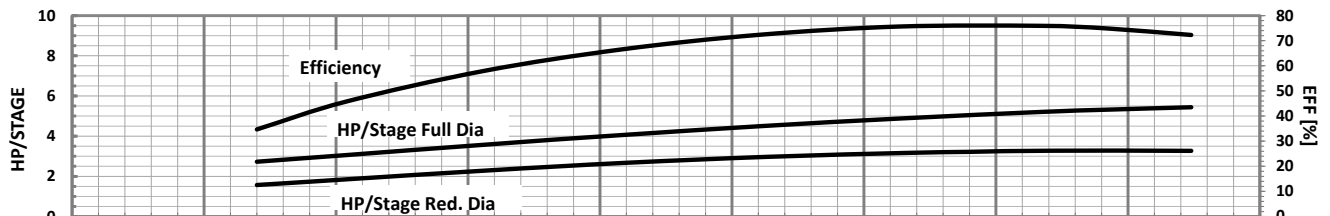
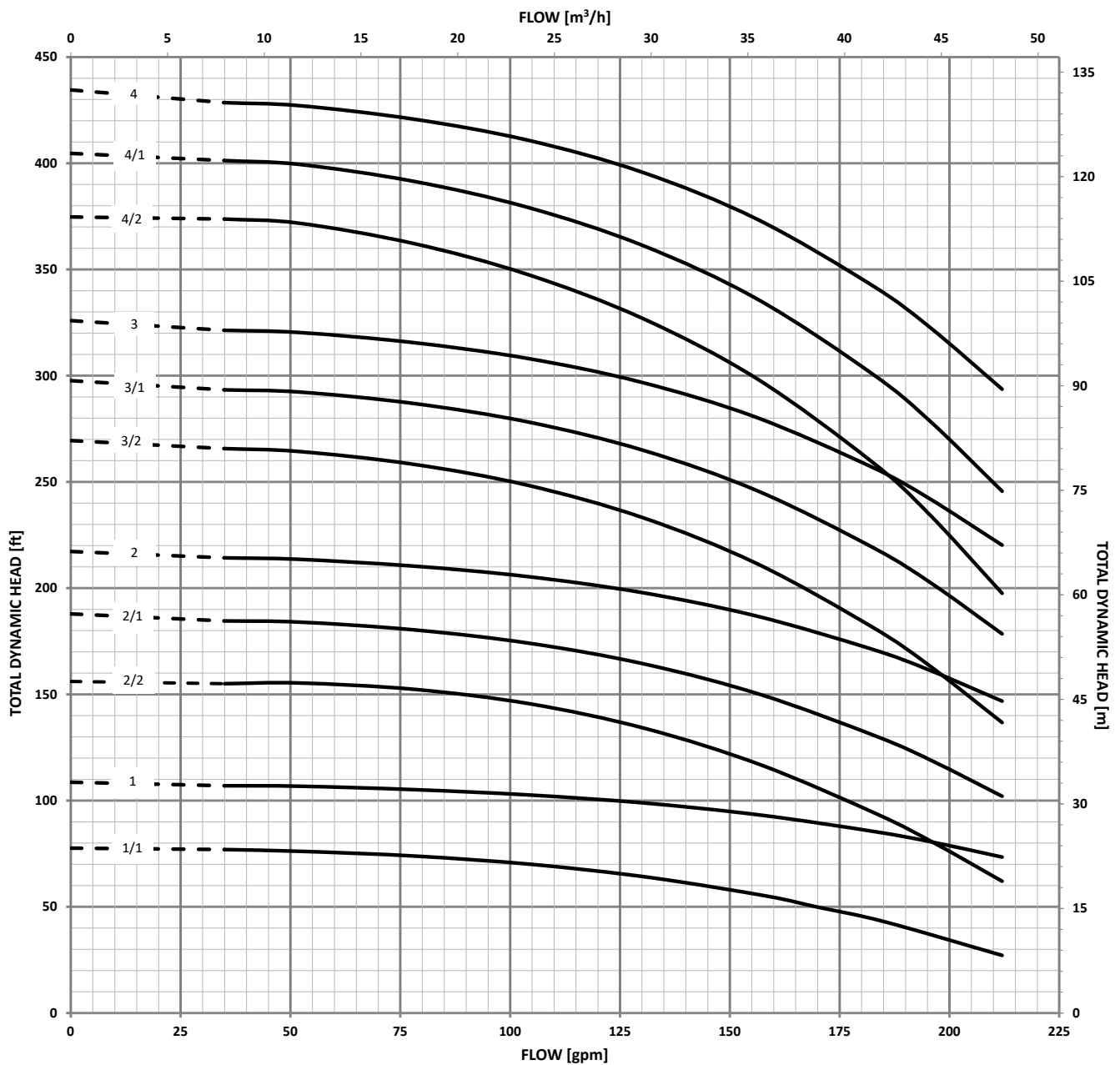


MINIMUM FLOW RATE: 21 GPM [4.8 m³/hr]

PERFORMANCE CURVE

33 e-SVI COUPLED, 3500 RPM

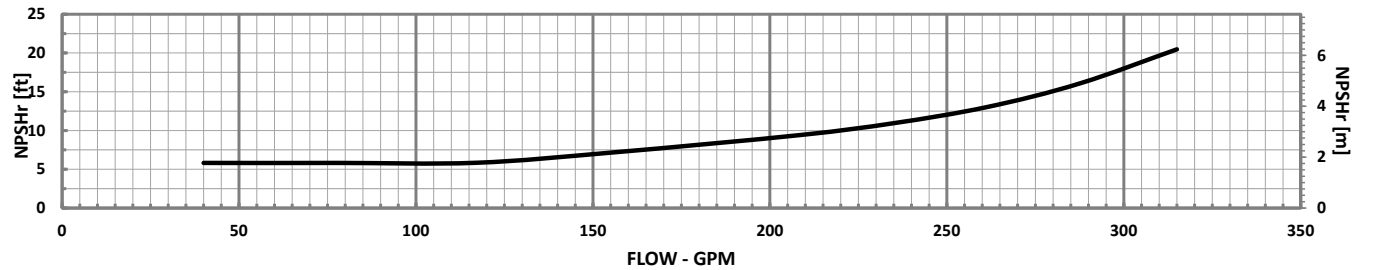
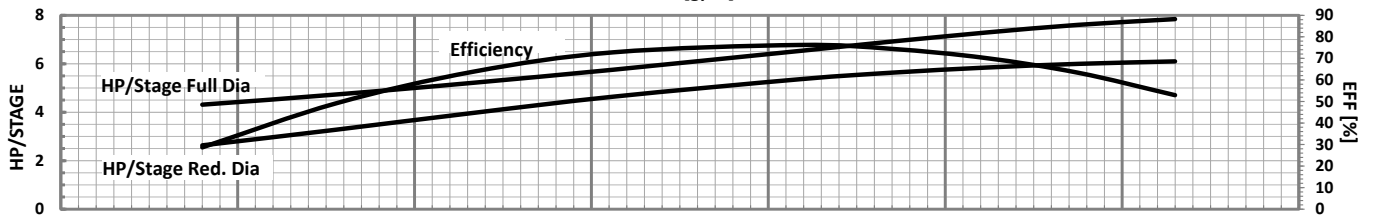
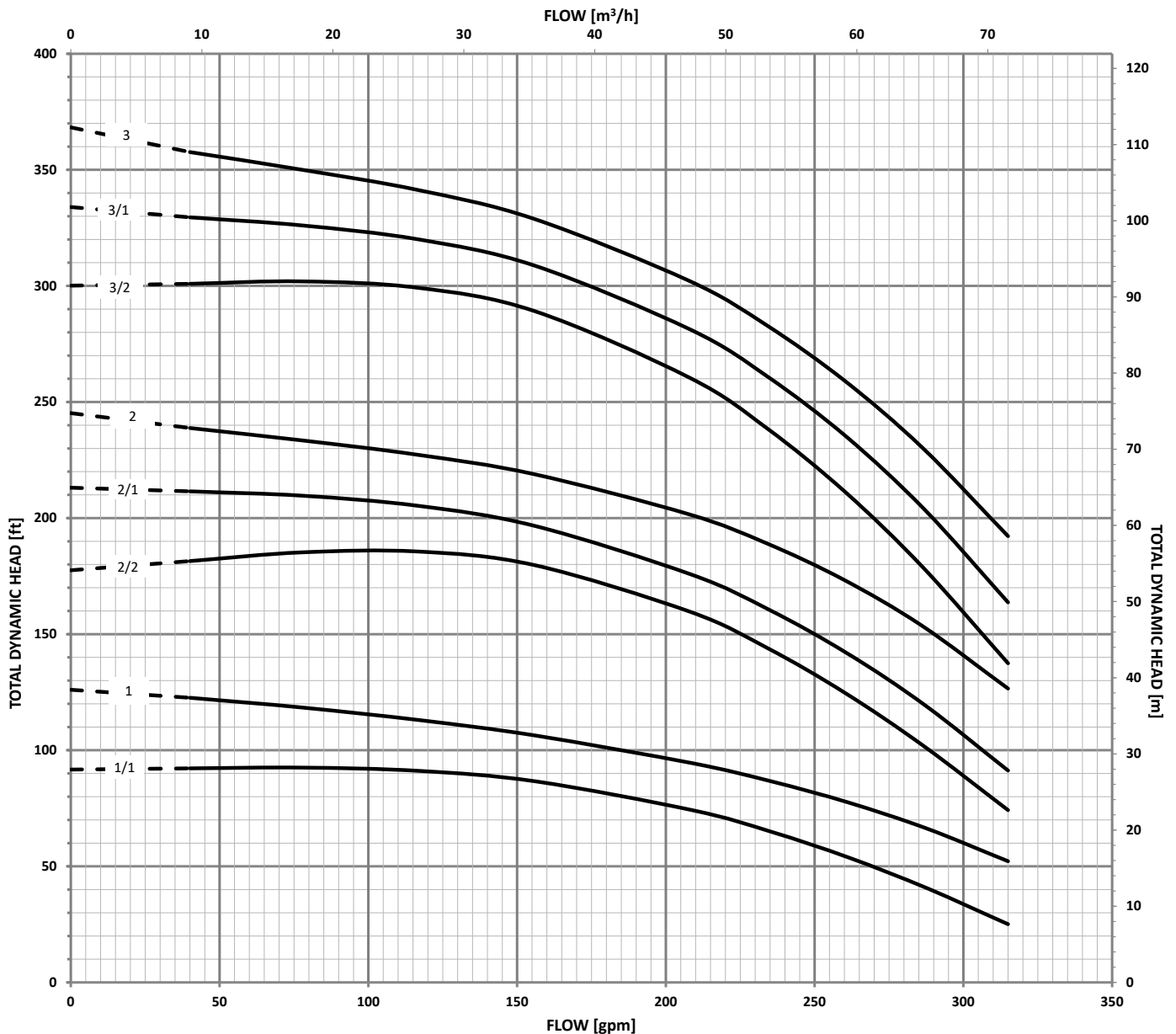
60 Hz



PERFORMANCE CURVE

46 e-SVI COUPLED, 3500 RPM

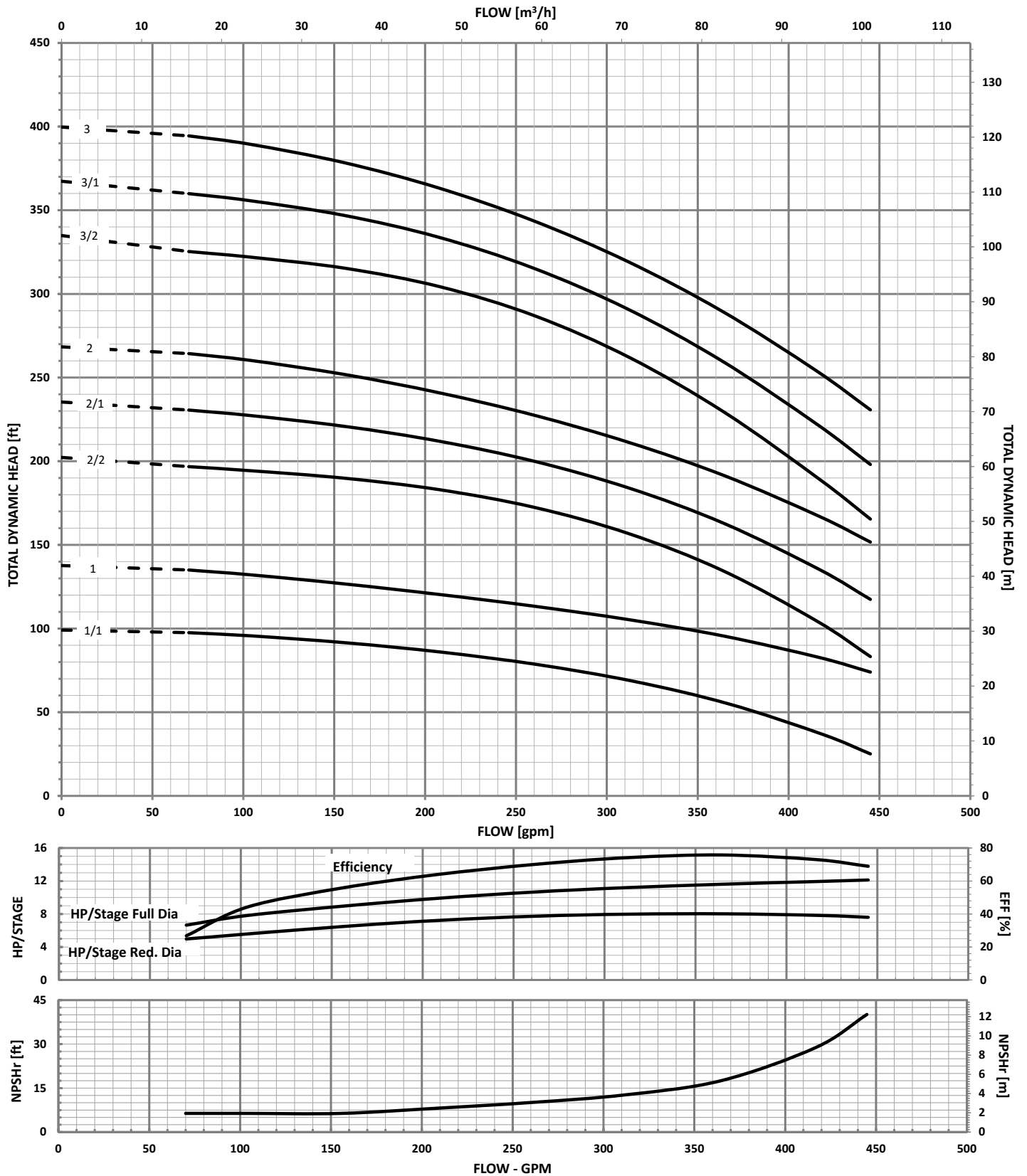
60 Hz



PERFORMANCE CURVE

66 e-SVI COUPLED, 3500 RPM

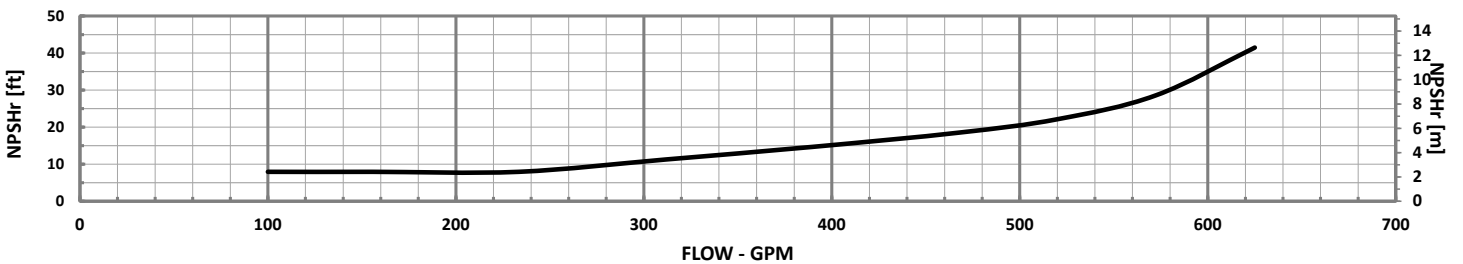
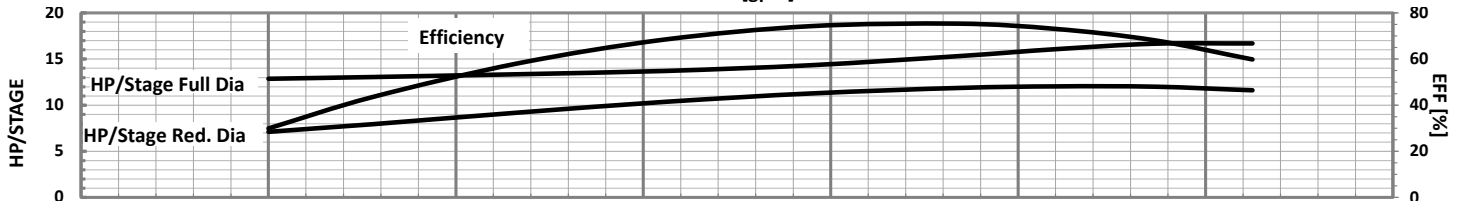
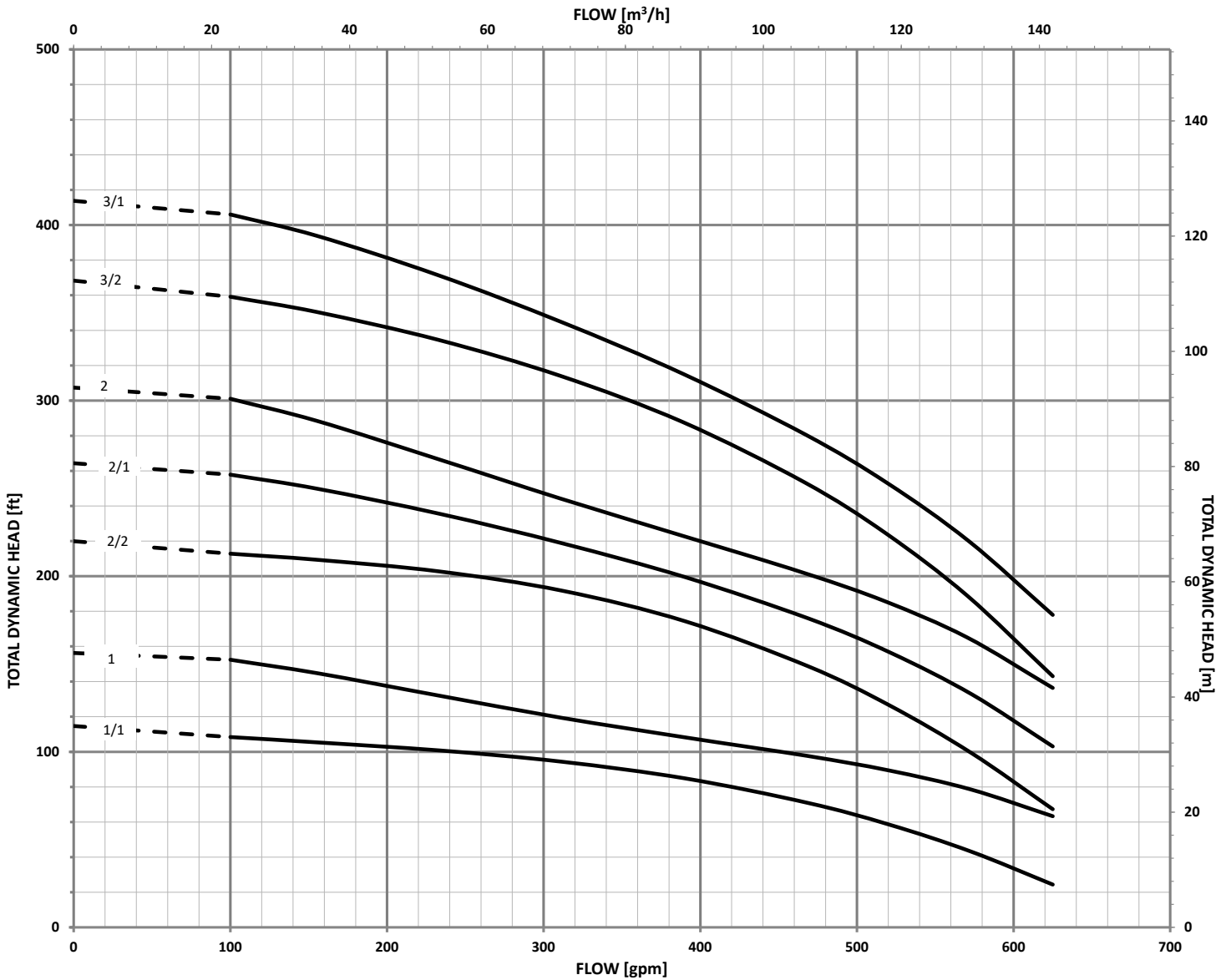
60 Hz



PERFORMANCE CURVE

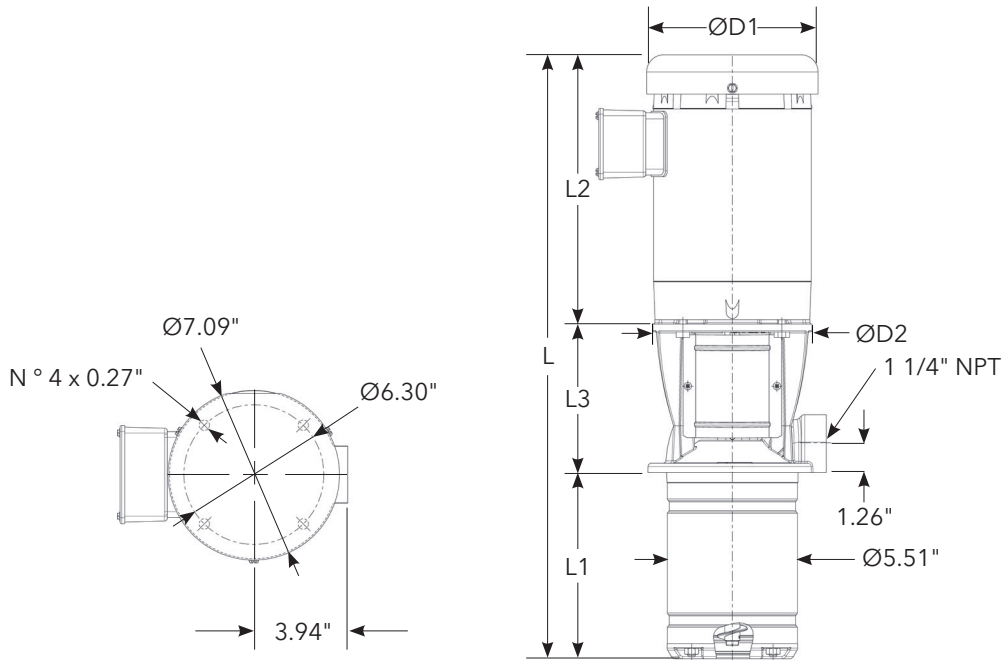
92 e-SVI COUPLED, 3500 RPM

60 Hz



DIMENSIONS AND WEIGHTS

1 e-SVI COUPLED, 3500 RPM



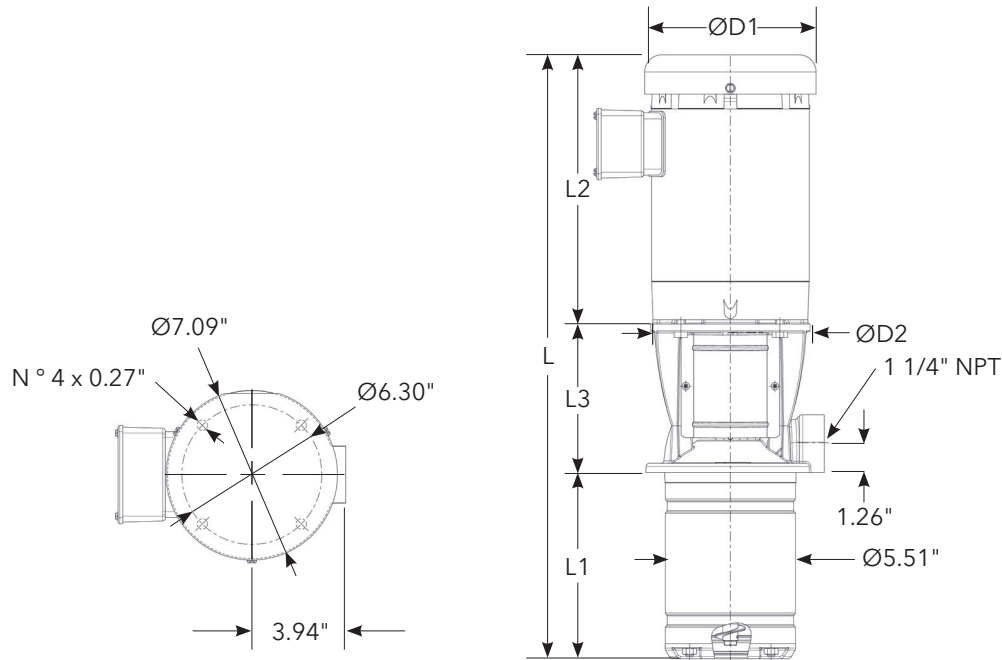
1 e-SVI SERIES – 60 Hz, 3500 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | |
|--------------------|-------|------------|---------|--------|---------|-----------------|--------|---------|--------|---------|------|--------|---------|--------|---------|-----------|---------|--------|---------|-----------|---------------|--------|---------|--------|---------|------------|---------|--------|---------|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø |
| 1SVI02-02 | 0.5 | 56C | 56C | 56C | 56C | 4.69 | 9.16 | 9.29 | 9.16 | 9.29 | 6.44 | 20.28 | 20.41 | 20.28 | 20.41 | 6.19 | 6.19 | 6.19 | 6.19 | 6.69 | 20 | 21 | 21 | 19 | 19 | 41 | 41 | 39 | 39 |
| 1SVI03-03 | 0.5 | 56C | 56C | 56C | 56C | 5.47 | 9.16 | 9.29 | 9.16 | 9.29 | 6.44 | 21.07 | 21.20 | 21.07 | 21.20 | 6.19 | 6.19 | 6.19 | 6.19 | 6.69 | 20 | 21 | 21 | 19 | 19 | 41 | 41 | 39 | 39 |
| 1SVI04-04 | 0.5 | 56C | 56C | 56C | 56C | 6.26 | 9.16 | 9.29 | 9.16 | 9.29 | 6.44 | 21.86 | 21.99 | 21.86 | 21.99 | 6.19 | 6.19 | 6.19 | 6.19 | 6.69 | 21 | 21 | 21 | 19 | 19 | 42 | 42 | 40 | 40 |
| 1SVI05-05 | 0.5 | 56C | 56C | 56C | 56C | 7.05 | 9.16 | 9.29 | 9.16 | 9.29 | 6.44 | 22.64 | 22.77 | 22.64 | 22.77 | 6.19 | 6.19 | 6.19 | 6.19 | 6.69 | 22 | 21 | 21 | 19 | 19 | 43 | 43 | 41 | 41 |
| 1SVI06-06 | 0.75 | 56C | 56C | 56C | 56C | 7.83 | 10.79 | 9.91 | 9.16 | 9.29 | 6.44 | 25.06 | 24.18 | 23.43 | 23.56 | 6.19 | 6.19 | 6.19 | 6.19 | 6.69 | 23 | 27 | 29 | 21 | 21 | 50 | 52 | 44 | 44 |
| 1SVI07-07 | 0.75 | 56C | 56C | 56C | 56C | 8.62 | 10.79 | 9.91 | 9.16 | 9.29 | 6.44 | 25.85 | 24.97 | 24.22 | 24.35 | 6.19 | 6.19 | 6.19 | 6.19 | 6.69 | 23 | 27 | 29 | 21 | 21 | 50 | 52 | 44 | 44 |
| 1SVI08-08 | 0.75 | 56C | 56C | 56C | 56C | 9.41 | 10.79 | 9.91 | 9.16 | 9.29 | 6.44 | 26.64 | 25.76 | 25.01 | 25.14 | 6.19 | 6.19 | 6.19 | 6.19 | 6.69 | 24 | 27 | 29 | 21 | 21 | 51 | 53 | 45 | 45 |
| 1SVI09-09 | 1 | 56C | 56C | 56C | 56C | 10.20 | 10.66 | 11.19 | 9.16 | 9.29 | 6.44 | 27.29 | 27.82 | 25.79 | 25.92 | 6.19 | 7.19 | 6.19 | 6.19 | 6.69 | 25 | 32 | 40 | 23 | 23 | 57 | 65 | 48 | 48 |
| 1SVI10-10 | 1 | 56C | 56C | 56C | 56C | 10.98 | 10.66 | 11.19 | 9.16 | 9.29 | 6.44 | 28.08 | 28.61 | 26.58 | 26.71 | 6.19 | 7.19 | 6.19 | 6.19 | 6.69 | 26 | 32 | 40 | 23 | 23 | 58 | 66 | 49 | 49 |
| 1SVI11-11 | 1.5 | 56C | 56C | 56C | 56C | 11.77 | 10.67 | 11.19 | 10.66 | 9.91 | 6.44 | 28.88 | 29.40 | 28.87 | 28.12 | 6.19 | 7.19 | 6.19 | 6.19 | 6.69 | 27 | 32 | 40 | 30 | 28 | 59 | 67 | 57 | 55 |
| 1SVI12-12 | 1.5 | 56C | 56C | 56C | 56C | 12.56 | 10.67 | 11.19 | 10.66 | 9.91 | 6.44 | 29.67 | 30.19 | 29.66 | 28.91 | 6.19 | 7.19 | 6.19 | 6.19 | 6.69 | 27 | 32 | 40 | 30 | 28 | 59 | 67 | 57 | 55 |
| 1SVI13-13 | 1.5 | 56C | 56C | 56C | 56C | 13.35 | 10.67 | 11.19 | 10.66 | 9.91 | 6.44 | 30.45 | 30.97 | 30.44 | 29.69 | 6.19 | 7.19 | 6.19 | 6.19 | 6.69 | 28 | 32 | 40 | 30 | 28 | 60 | 68 | 58 | 56 |
| 1SVI14-14 | 1.5 | 56C | 56C | 56C | 56C | 14.13 | 10.67 | 11.19 | 10.66 | 9.91 | 6.44 | 31.24 | 31.76 | 31.23 | 30.48 | 6.19 | 7.19 | 6.19 | 6.19 | 6.69 | 29 | 32 | 40 | 30 | 28 | 61 | 69 | 59 | 57 |
| 1SVI15-15 | 1.5 | 56C | 56C | 56C | 56C | 14.92 | 10.67 | 11.19 | 10.66 | 9.91 | 6.44 | 32.03 | 32.55 | 32.02 | 31.27 | 6.19 | 7.19 | 6.19 | 6.19 | 6.69 | 30 | 32 | 40 | 30 | 28 | 62 | 70 | 60 | 58 |
| 1SVI16-16 | 2 | 56C | 56C | 56C | 56C | 15.71 | 11.18 | 12.06 | 11.16 | 10.79 | 6.44 | 33.33 | 34.21 | 33.31 | 32.94 | 7.19 | 7.19 | 6.19 | 6.19 | 6.69 | 31 | 43 | 51 | 32 | 33 | 74 | 82 | 63 | 64 |
| 1SVI17-17 | 2 | 56C | 56C | 56C | 56C | 16.50 | 11.18 | 12.06 | 11.16 | 10.79 | 6.44 | 34.11 | 34.99 | 34.09 | 33.72 | 7.19 | 7.19 | 6.19 | 6.19 | 6.69 | 31 | 43 | 51 | 32 | 33 | 74 | 82 | 63 | 64 |
| 1SVI18-18 | 2 | 56C | 56C | 56C | 56C | 17.28 | 11.18 | 12.06 | 11.16 | 10.79 | 6.44 | 34.90 | 35.78 | 34.88 | 34.51 | 7.19 | 7.19 | 6.19 | 6.19 | 6.69 | 32 | 43 | 51 | 32 | 33 | 75 | 83 | 64 | 65 |
| 1SVI19-19 | 2 | 56C | 56C | 56C | 56C | 18.07 | 11.18 | 12.06 | 11.16 | 10.79 | 6.44 | 35.69 | 36.57 | 35.67 | 35.30 | 7.19 | 7.19 | 6.19 | 6.19 | 6.69 | 33 | 43 | 51 | 32 | 33 | 76 | 84 | 65 | 66 |
| 1SVI20-20 | 2 | 56C | 56C | 56C | 56C | 18.86 | 11.18 | 12.06 | 11.16 | 10.79 | 6.44 | 36.48 | 37.36 | 36.46 | 36.09 | 7.19 | 7.19 | 6.19 | 6.19 | 6.69 | 34 | 43 | 51 | 32 | 33 | 77 | 85 | 66 | 67 |
| 1SVI21-21 | 3 | 145TC | 56C | 56C | 56C | 19.65 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 38.07 | 39.52 | 37.26 | 37.24 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 35 | 52 | 64 | 41 | 44 | 87 | 99 | 76 | 79 |
| 1SVI22-22 | 3 | 145TC | 56C | 56C | 56C | 20.43 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 38.86 | 40.31 | 38.05 | 38.03 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 35 | 52 | 64 | 41 | 44 | 87 | 99 | 76 | 79 |
| 1SVI23-23 | 3 | 145TC | 56C | 56C | 56C | 21.22 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 39.65 | 41.10 | 38.84 | 38.82 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 36 | 52 | 64 | 41 | 44 | 88 | 100 | 77 | 80 |
| 1SVI24-24 | 3 | 145TC | 56C | 56C | 56C | 22.01 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 40.43 | 41.88 | 39.62 | 39.60 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 37 | 52 | 64 | 41 | 44 | 89 | 101 | 78 | 81 |
| 1SVI25-25 | 3 | 145TC | 56C | 56C | 56C | 22.80 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 41.22 | 42.67 | 40.41 | 40.39 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 38 | 52 | 64 | 41 | 44 | 90 | 102 | 79 | 82 |
| 1SVI26-26 | 3 | 145TC | 56C | 56C | 56C | 23.58 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 42.01 | 43.46 | 41.20 | 41.18 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 39 | 52 | 64 | 41 | 44 | 91 | 103 | 80 | 83 |
| 1SVI27-27 | 3 | 145TC | 56C | 56C | 56C | 24.37 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 42.80 | 44.25 | 41.99 | 41.97 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 39 | 52 | 64 | 41 | 44 | 91 | 103 | 80 | 83 |
| 1SVI28-28 | 3 | 145TC | 56C | 56C | 56C | 25.16 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 43.58 | 45.03 | 42.77 | 42.75 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 40 | 52 | 64 | 41 | 44 | 92 | 104 | 81 | 84 |
| 1SVI29-29 | 3 | 145TC | 56C | 56C | 56C | 25.94 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 44.37 | 45.82 | 43.56 | 43.54 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 41 | 52 | 64 | 41 | 44 | 93 | 105 | 82 | 85 |

All listed dimensions are with Inducer, 1SVIE29-29 has 29 Stages with Impeller and 1 Inducer chamber.

DIMENSIONS AND WEIGHTS

3 e-SVI COUPLED, 3500 RPM



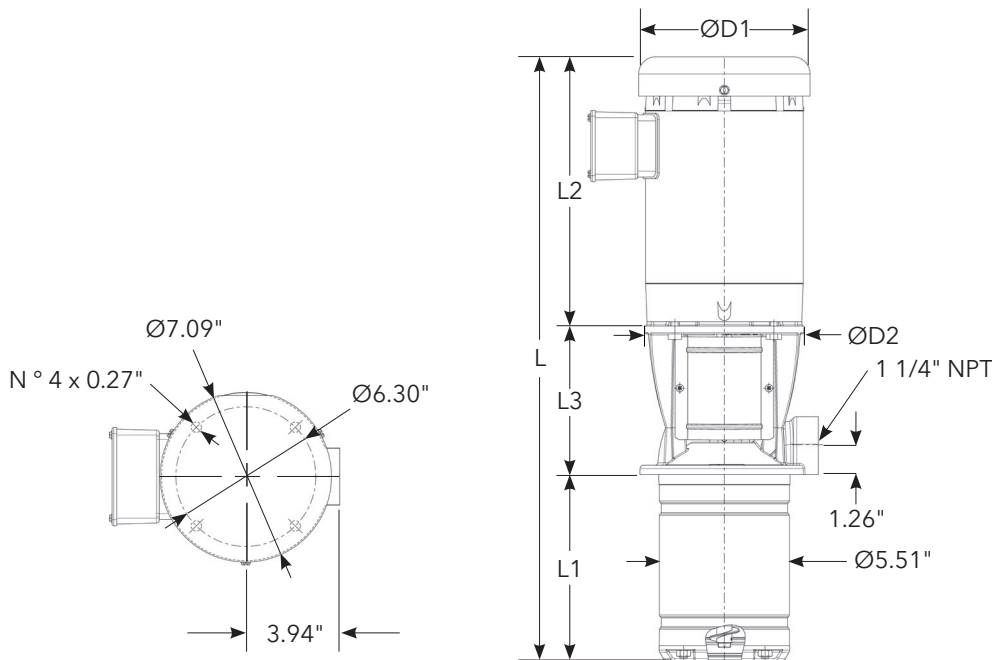
3 e-SVI SERIES – 60 Hz, 3500 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | |
|--------------------|-------|------------|---------|--------|---------|-----------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|-----------|---------|--------|---------------|-----------|-----------|--------|---------|--------|---------|------------|---------|--------|---------|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | | | | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | | | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 |
| 3SVI02-02 | 0.5 | 56C | 56C | 56C | 56C | 4.69 | 9.16 | 9.29 | 9.16 | 9.29 | 6.44 | 6.44 | 6.44 | 6.44 | 20.28 | 20.41 | 20.28 | 20.41 | 6.19 | 6.19 | 6.19 | 6.19 | 6.69 | 19 | 21 | 21 | 19 | 19 | 40 | 40 | 38 | 38 |
| 3SVI03-03 | 0.5 | 56C | 56C | 56C | 56C | 5.47 | 9.16 | 9.29 | 9.16 | 9.29 | 6.44 | 6.44 | 6.44 | 6.44 | 21.07 | 21.20 | 21.07 | 21.20 | 6.19 | 6.19 | 6.19 | 6.19 | 6.69 | 20 | 21 | 21 | 19 | 19 | 41 | 41 | 39 | 39 |
| 3SVI04-04 | 0.75 | 56C | 56C | 56C | 56C | 6.26 | 10.79 | 9.91 | 9.16 | 9.29 | 6.44 | 6.44 | 6.44 | 6.44 | 23.49 | 22.61 | 21.86 | 21.99 | 6.19 | 6.19 | 6.19 | 6.19 | 6.69 | 21 | 27 | 29 | 21 | 21 | 48 | 50 | 42 | 42 |
| 3SVI05-05 | 1 | 56C | 56C | 56C | 56C | 7.05 | 10.66 | 11.19 | 9.16 | 9.29 | 6.44 | 6.44 | 6.44 | 6.44 | 24.14 | 24.67 | 22.64 | 22.77 | 6.19 | 7.19 | 6.19 | 6.19 | 6.69 | 22 | 32 | 40 | 23 | 23 | 54 | 62 | 45 | 45 |
| 3SVI06-06 | 1.5 | 56C | 56C | 56C | 56C | 7.83 | 10.67 | 11.19 | 10.66 | 9.91 | 6.44 | 6.44 | 6.44 | 6.44 | 24.94 | 25.46 | 24.93 | 24.18 | 6.19 | 7.19 | 6.19 | 6.19 | 6.69 | 23 | 32 | 40 | 30 | 28 | 55 | 63 | 53 | 51 |
| 3SVI07-07 | 1.5 | 56C | 56C | 56C | 56C | 8.62 | 10.67 | 11.19 | 10.66 | 9.91 | 6.44 | 6.44 | 6.44 | 6.44 | 25.73 | 26.25 | 25.72 | 24.97 | 6.19 | 7.19 | 6.19 | 6.19 | 6.69 | 23 | 32 | 40 | 30 | 28 | 55 | 63 | 53 | 51 |
| 3SVI08-08 | 1.5 | 56C | 56C | 56C | 56C | 9.41 | 10.67 | 11.19 | 10.66 | 9.91 | 6.44 | 6.44 | 6.44 | 6.44 | 26.52 | 27.04 | 26.51 | 25.76 | 6.19 | 7.19 | 6.19 | 6.19 | 6.69 | 24 | 32 | 40 | 30 | 28 | 56 | 64 | 54 | 52 |
| 3SVI09-09 | 2 | 56C | 56C | 56C | 56C | 10.20 | 11.18 | 12.06 | 11.16 | 10.79 | 6.44 | 6.44 | 6.44 | 6.44 | 27.81 | 28.69 | 27.79 | 27.42 | 7.19 | 7.19 | 6.19 | 6.19 | 6.69 | 25 | 43 | 51 | 32 | 33 | 68 | 76 | 57 | 58 |
| 3SVI10-10 | 2 | 56C | 56C | 56C | 56C | 10.98 | 11.18 | 12.06 | 11.16 | 10.79 | 6.44 | 6.44 | 6.44 | 6.44 | 28.60 | 29.48 | 28.58 | 28.21 | 7.19 | 7.19 | 6.19 | 6.19 | 6.69 | 26 | 43 | 51 | 32 | 33 | 69 | 77 | 58 | 59 |
| 3SVI11-11 | 2 | 56C | 56C | 56C | 56C | 11.77 | 11.18 | 12.06 | 11.16 | 10.79 | 6.44 | 6.44 | 6.44 | 6.44 | 29.39 | 30.27 | 29.37 | 29.00 | 7.19 | 7.19 | 6.19 | 6.19 | 6.69 | 27 | 43 | 51 | 32 | 33 | 70 | 78 | 59 | 60 |
| 3SVI12-12 | 3 | 145TC | 56C | 56C | 56C | 12.56 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 6.44 | 6.44 | 6.44 | 30.99 | 32.44 | 30.18 | 30.16 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 28 | 52 | 64 | 41 | 44 | 80 | 92 | 69 | 72 |
| 3SVI13-13 | 3 | 145TC | 56C | 56C | 56C | 13.35 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 6.44 | 6.44 | 6.44 | 31.77 | 33.22 | 30.96 | 30.94 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 28 | 52 | 64 | 41 | 44 | 80 | 92 | 69 | 72 |
| 3SVI14-14 | 3 | 145TC | 56C | 56C | 56C | 14.13 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 6.44 | 6.44 | 6.44 | 32.56 | 34.01 | 31.75 | 31.73 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 29 | 52 | 64 | 41 | 44 | 81 | 93 | 70 | 73 |
| 3SVI15-15 | 3 | 145TC | 56C | 56C | 56C | 14.92 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 6.44 | 6.44 | 6.44 | 33.35 | 34.80 | 32.54 | 32.52 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 30 | 52 | 64 | 41 | 44 | 82 | 94 | 71 | 74 |
| 3SVI16-16 | 3 | 145TC | 56C | 56C | 56C | 15.71 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 6.44 | 6.44 | 6.44 | 34.14 | 35.59 | 33.33 | 33.31 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 31 | 52 | 64 | 41 | 44 | 83 | 95 | 72 | 75 |
| 3SVI17-17 | 5 | 184TC | 184TC | 182TC | 184TC | 16.50 | 13.93 | 15.43 | 12.55 | 13.93 | 6.91 | 6.91 | 6.91 | 6.91 | 37.34 | 38.84 | 35.96 | 37.34 | 8.88 | 8.86 | 9.02 | 8.86 | 9.02 | 36 | 81 | 92 | 62 | 69 | 117 | 128 | 98 | 105 |
| 3SVI18-18 | 5 | 184TC | 184TC | 182TC | 184TC | 17.28 | 13.93 | 15.43 | 12.55 | 13.93 | 6.91 | 6.91 | 6.91 | 6.91 | 38.12 | 39.62 | 36.74 | 38.12 | 8.88 | 8.86 | 9.02 | 8.86 | 9.02 | 37 | 81 | 92 | 62 | 69 | 118 | 129 | 99 | 106 |
| 3SVI19-19 | 5 | 184TC | 184TC | 182TC | 184TC | 18.07 | 13.93 | 15.43 | 12.55 | 13.93 | 6.91 | 6.91 | 6.91 | 6.91 | 38.91 | 40.41 | 37.53 | 38.91 | 8.88 | 8.86 | 9.02 | 8.86 | 9.02 | 38 | 81 | 92 | 62 | 69 | 119 | 130 | 100 | 107 |
| 3SVI20-20 | 5 | 184TC | 184TC | 182TC | 184TC | 18.86 | 13.93 | 15.43 | 12.55 | 13.93 | 6.91 | 6.91 | 6.91 | 6.91 | 39.70 | 41.20 | 38.32 | 39.70 | 8.88 | 8.86 | 9.02 | 8.86 | 9.02 | 39 | 81 | 92 | 62 | 69 | 120 | 131 | 101 | 108 |
| 3SVI21-21 | 5 | 184TC | 184TC | 182TC | 184TC | 19.65 | 13.93 | 15.43 | 12.55 | 13.93 | 6.91 | 6.91 | 6.91 | 6.91 | 40.49 | 41.99 | 39.11 | 40.49 | 8.88 | 8.86 | 9.02 | 8.86 | 9.02 | 40 | 81 | 92 | 62 | 69 | 121 | 132 | 102 | 109 |
| 3SVI22-22 | 5 | 184TC | 184TC | 182TC | 184TC | 20.43 | 13.93 | 15.43 | 12.55 | 13.93 | 6.91 | 6.91 | 6.91 | 6.91 | 41.27 | 42.77 | 39.89 | 41.27 | 8.88 | 8.86 | 9.02 | 8.86 | 9.02 | 40 | 81 | 92 | 62 | 69 | 121 | 132 | 102 | 109 |
| 3SVI23-23 | 5 | 184TC | 184TC | 182TC | 184TC | 21.22 | 13.93 | 15.43 | 12.55 | 13.93 | 6.91 | 6.91 | 6.91 | 6.91 | 42.06 | 43.56 | 40.68 | 42.06 | 8.88 | 8.86 | 9.02 | 8.86 | 9.02 | 41 | 81 | 92 | 62 | 69 | 122 | 133 | 103 | 110 |

All listed dimensions are with Inducer, 3SVI23-23 has 23 Stages with Impeller and 1 Inducer chamber.

DIMENSIONS AND WEIGHTS

5 e-SVI COUPLED, 3500 RPM



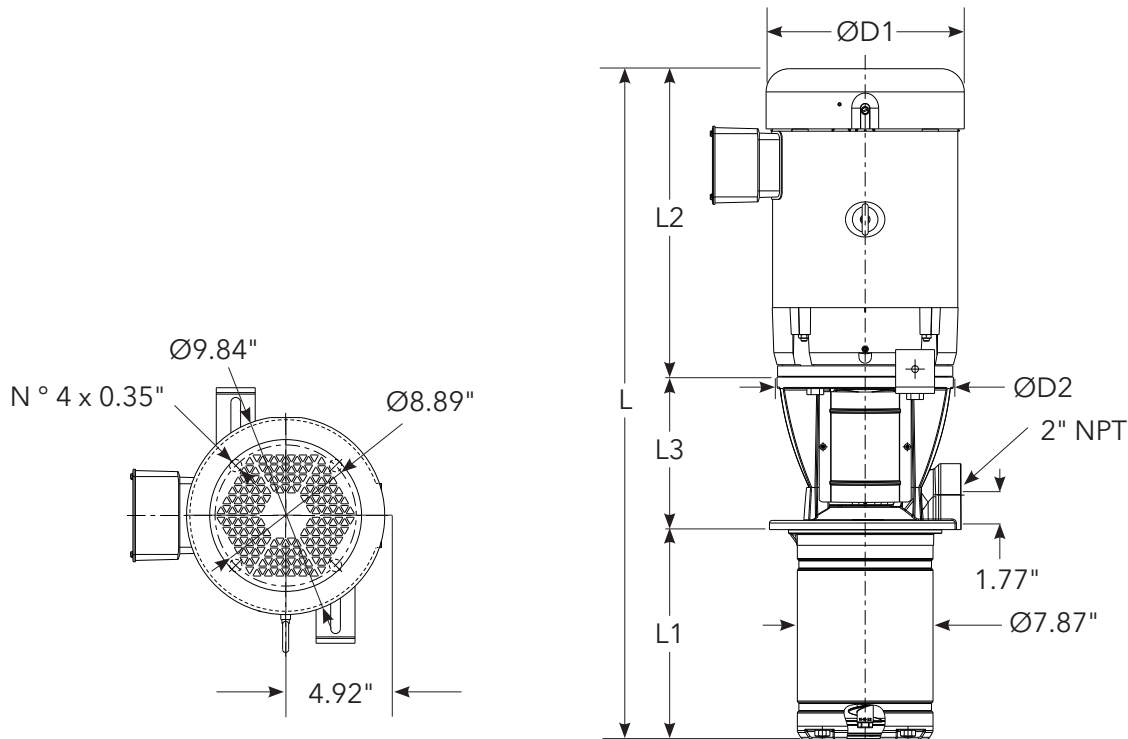
5 e-SVI SERIES – 60 Hz, 3500 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | |
|--------------------|-------|------------|---------|--------|---------|-----------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|-----------|---------|--------|---------------|-----------|-----------|--------|---------|--------|---------|------------|---------|--------|---------|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | | | | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø |
| 5SVI02-02 | 0.75 | 56C | 56C | 56C | 56C | 5.28 | 10.79 | 9.91 | 9.16 | 9.29 | 6.44 | 6.44 | 6.44 | 6.44 | 22.50 | 21.62 | 20.87 | 21.00 | 6.19 | 6.19 | 6.19 | 6.19 | 6.69 | 20 | 27 | 29 | 21 | 21 | 47 | 49 | 41 | 41 |
| 5SVI03-03 | 1 | 56C | 56C | 56C | 56C | 6.26 | 10.66 | 11.19 | 9.16 | 9.29 | 6.44 | 6.44 | 6.44 | 6.44 | 23.36 | 23.89 | 21.86 | 21.99 | 6.19 | 7.19 | 6.19 | 6.19 | 6.69 | 21 | 32 | 40 | 23 | 23 | 53 | 61 | 44 | 44 |
| 5SVI04-04 | 1.5 | 56C | 56C | 56C | 56C | 7.24 | 10.67 | 11.19 | 10.66 | 9.91 | 6.44 | 6.44 | 6.44 | 6.44 | 24.35 | 24.87 | 24.34 | 23.59 | 6.19 | 7.19 | 6.19 | 6.19 | 6.69 | 22 | 32 | 40 | 30 | 28 | 54 | 62 | 52 | 50 |
| 5SVI05-05 | 1.5 | 56C | 56C | 56C | 56C | 8.23 | 10.67 | 11.19 | 10.66 | 9.91 | 6.44 | 6.44 | 6.44 | 6.44 | 25.34 | 25.86 | 25.33 | 24.58 | 6.19 | 7.19 | 6.19 | 6.19 | 6.69 | 23 | 32 | 40 | 30 | 28 | 55 | 63 | 53 | 51 |
| 5SVI06-06 | 2 | 56C | 56C | 56C | 56C | 9.21 | 11.18 | 12.06 | 11.16 | 10.79 | 6.44 | 6.44 | 6.44 | 6.44 | 26.83 | 27.71 | 26.81 | 26.44 | 7.19 | 7.19 | 6.19 | 6.19 | 6.69 | 24 | 43 | 51 | 32 | 33 | 67 | 75 | 56 | 57 |
| 5SVI07-07 | 2 | 56C | 56C | 56C | 56C | 10.20 | 11.18 | 12.06 | 11.16 | 10.79 | 6.44 | 6.44 | 6.44 | 6.44 | 27.81 | 28.69 | 27.79 | 27.42 | 7.19 | 7.19 | 6.19 | 6.19 | 6.69 | 25 | 43 | 51 | 32 | 33 | 68 | 76 | 57 | 58 |
| 5SVI08-08 | 3 | 145TC | 56C | 56C | 56C | 11.18 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 6.44 | 6.44 | 6.44 | 29.61 | 31.06 | 28.80 | 28.78 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 26 | 52 | 64 | 41 | 44 | 78 | 90 | 67 | 70 |
| 5SVI09-09 | 3 | 145TC | 56C | 56C | 56C | 12.17 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 6.44 | 6.44 | 6.44 | 30.59 | 32.04 | 29.78 | 29.76 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 27 | 52 | 64 | 41 | 44 | 79 | 91 | 68 | 71 |
| 5SVI10-10 | 3 | 145TC | 56C | 56C | 56C | 13.15 | 11.99 | 13.44 | 11.18 | 11.16 | 6.44 | 6.44 | 6.44 | 6.44 | 31.58 | 33.03 | 30.77 | 30.75 | 7.19 | 7.19 | 7.16 | 7.19 | 6.69 | 28 | 52 | 64 | 41 | 44 | 80 | 92 | 69 | 72 |
| 5SVI11-11 | 5 | 184TC | 184TC | 182TC | 184TC | 14.13 | 13.93 | 15.43 | 12.55 | 13.93 | 6.91 | 6.91 | 6.91 | 6.91 | 34.97 | 36.47 | 33.59 | 34.97 | 8.88 | 8.86 | 9.02 | 8.86 | 9.02 | 33 | 81 | 92 | 62 | 69 | 114 | 125 | 95 | 102 |
| 5SVI12-12 | 5 | 184TC | 184TC | 182TC | 184TC | 15.12 | 13.93 | 15.43 | 12.55 | 13.93 | 6.91 | 6.91 | 6.91 | 6.91 | 35.96 | 37.46 | 34.58 | 35.96 | 8.88 | 8.86 | 9.02 | 8.86 | 9.02 | 34 | 81 | 92 | 62 | 69 | 115 | 126 | 96 | 103 |
| 5SVI13-13 | 5 | 184TC | 184TC | 182TC | 184TC | 16.10 | 13.93 | 15.43 | 12.55 | 13.93 | 6.91 | 6.91 | 6.91 | 6.91 | 36.94 | 38.44 | 35.56 | 36.94 | 8.88 | 8.86 | 9.02 | 8.86 | 9.02 | 35 | 81 | 92 | 62 | 69 | 116 | 127 | 97 | 104 |
| 5SVI14-14 | 5 | 184TC | 184TC | 182TC | 184TC | 17.09 | 13.93 | 15.43 | 12.55 | 13.93 | 6.91 | 6.91 | 6.91 | 6.91 | 37.93 | 39.43 | 36.55 | 37.93 | 8.88 | 8.86 | 9.02 | 8.86 | 9.02 | 36 | 81 | 92 | 62 | 69 | 117 | 128 | 98 | 105 |
| 5SVI15-15 | 5 | 184TC | 184TC | 182TC | 184TC | 18.07 | 13.93 | 15.43 | 12.55 | 13.93 | 6.91 | 6.91 | 6.91 | 6.91 | 38.91 | 40.41 | 37.53 | 38.91 | 8.88 | 8.86 | 9.02 | 8.86 | 9.02 | 37 | 81 | 92 | 62 | 69 | 118 | 129 | 99 | 106 |
| 5SVI16-16 | 5 | 184TC | 184TC | 182TC | 184TC | 19.06 | 13.93 | 15.43 | 12.55 | 13.93 | 6.91 | 6.91 | 6.91 | 6.91 | 39.89 | 41.39 | 38.51 | 39.89 | 8.88 | 8.86 | 9.02 | 8.86 | 9.02 | 38 | 81 | 92 | 62 | 69 | 119 | 130 | 100 | 107 |
| 5SVI17-17 | 5 | 184TC | 184TC | 182TC | 184TC | 20.04 | 13.93 | 15.43 | 12.55 | 13.93 | 6.91 | 6.91 | 6.91 | 6.91 | 40.88 | 42.38 | 39.50 | 40.88 | 8.88 | 8.86 | 9.02 | 8.86 | 9.02 | 39 | 81 | 92 | 62 | 69 | 120 | 131 | 101 | 108 |
| 5SVI18-18 | 7.5 | 213TC | 213TC | 184TC | 184TC | 21.02 | 13.88 | 15.53 | 13.93 | 15.43 | 7.48 | 7.48 | 6.91 | 6.91 | 42.39 | 44.04 | 41.86 | 43.36 | 8.89 | 10.62 | 8.88 | 8.86 | 9.02 | 43 | 100 | 120 | 75 | 85 | 143 | 163 | 118 | 128 |
| 5SVI19-19 | 7.5 | 213TC | 213TC | 184TC | 184TC | 22.01 | 13.88 | 15.53 | 13.93 | 15.43 | 7.48 | 7.48 | 6.91 | 6.91 | 43.37 | 45.02 | 42.85 | 44.35 | 8.89 | 10.62 | 8.88 | 8.86 | 9.02 | 44 | 100 | 120 | 75 | 85 | 144 | 164 | 119 | 129 |
| 5SVI20-20 | 7.5 | 213TC | 213TC | 184TC | 184TC | 22.99 | 13.88 | 15.53 | 13.93 | 15.43 | 7.48 | 7.48 | 6.91 | 6.91 | 44.36 | 46.01 | 43.83 | 45.33 | 8.89 | 10.62 | 8.88 | 8.86 | 9.02 | 45 | 100 | 120 | 75 | 85 | 145 | 165 | 120 | 130 |
| 5SVI21-21 | 7.5 | 213TC | 213TC | 184TC | 184TC | 23.98 | 13.88 | 15.53 | 13.93 | 15.43 | 7.48 | 7.48 | 6.91 | 6.91 | 45.34 | 46.99 | 44.82 | 46.32 | 8.89 | 10.62 | 8.88 | 8.86 | 9.02 | 46 | 100 | 120 | 75 | 85 | 146 | 166 | 121 | 131 |
| 5SVI22-22 | 7.5 | 213TC | 213TC | 184TC | 184TC | 24.96 | 13.88 | 15.53 | 13.93 | 15.43 | 7.48 | 7.48 | 6.91 | 6.91 | 46.32 | 47.97 | 45.80 | 47.30 | 8.89 | 10.62 | 8.88 | 8.86 | 9.02 | 47 | 100 | 120 | 75 | 85 | 147 | 167 | 122 | 132 |
| 5SVI23-23 | 7.5 | 213TC | 213TC | 184TC | 184TC | 25.94 | 13.88 | 15.53 | 13.93 | 15.43 | 7.48 | 7.48 | 6.91 | 6.91 | 47.31 | 48.96 | 46.78 | 48.28 | 8.89 | 10.62 | 8.88 | 8.86 | 9.02 | 48 | 100 | 120 | 75 | 85 | 148 | 168 | 123 | 133 |
| 5SVI24-24 | 7.5 | 213TC | 213TC | 184TC | 184TC | 26.93 | 13.88 | 15.53 | 13.93 | 15.43 | 7.48 | 7.48 | 6.91 | 6.91 | 48.29 | 49.94 | 47.77 | 49.27 | 8.89 | 10.62 | 8.88 | 8.86 | 9.02 | 49 | 100 | 120 | 75 | 85 | 149 | 169 | 124 | 134 |

All listed dimensions are with Inducer, 5SVI24-24 has 24 Stages with Impeller and 1 Inducer chamber.

DIMENSIONS AND WEIGHTS

10 e-SVI COUPLED, 3500 RPM



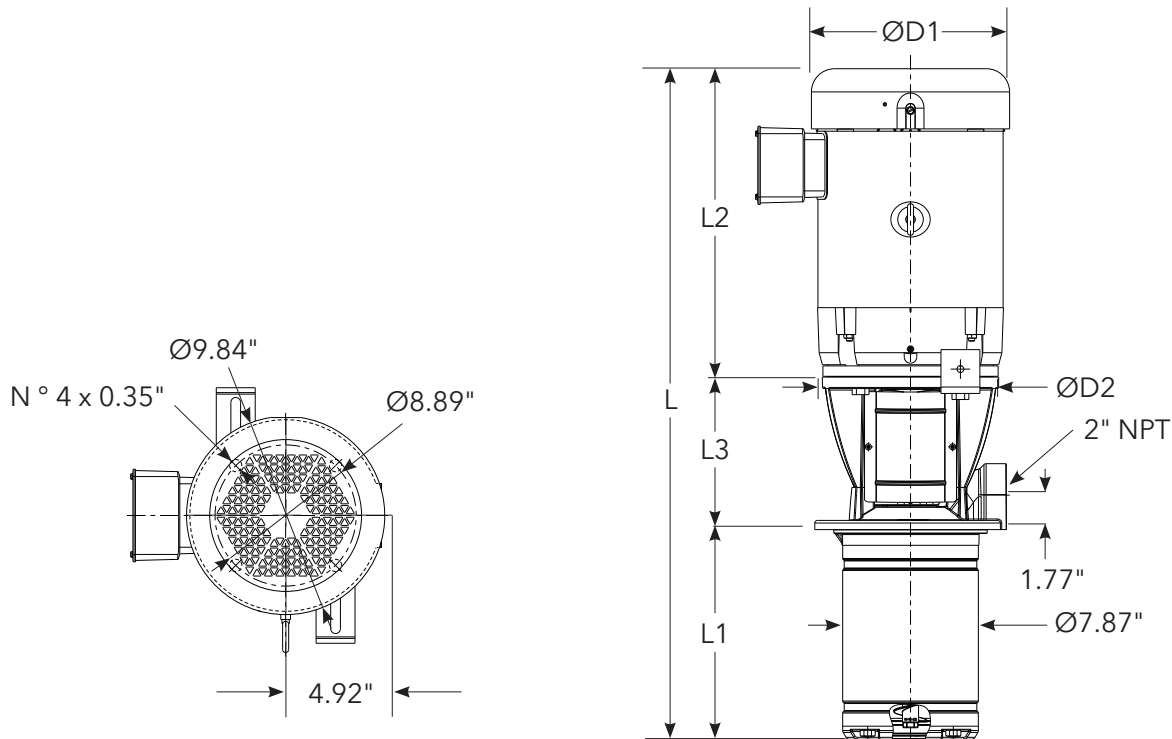
10 e-SVI SERIES – 60 Hz, 3500 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | | | |
|--------------------|-------|------------|---------|--------|---------|-----------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|-----------|---------|---------------|---------|--------|-----------|-----------|---------|--------|---------|--------|------------|--------|---------|--|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | | | | L | | | | D1 (MAX.) | | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | | | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | |
| 10SVI02-01 | 0.75 | 56C | 56C | 56C | 56C | 6.99 | 10.79 | 9.91 | 9.16 | 9.29 | 7.44 | 7.44 | 7.44 | 7.44 | 25.22 | 24.34 | 23.59 | 23.72 | 6.19 | 6.19 | 6.19 | 6.19 | 7.40 | 33 | 27 | 29 | 21 | 21 | 60 | 62 | 54 | 54 | |
| 10SVI02-02 | 2 | 56C | 56C | 56C | 56C | 6.99 | 11.18 | 12.06 | 11.16 | 10.79 | 7.44 | 7.44 | 7.44 | 7.44 | 25.61 | 26.49 | 25.59 | 25.22 | 7.19 | 7.19 | 6.19 | 6.19 | 7.40 | 33 | 43 | 51 | 32 | 33 | 76 | 84 | 65 | 66 | |
| 10SVI03-03 | 3 | 145TC | 56C | 56C | 56C | 8.25 | 11.99 | 13.44 | 11.18 | 11.16 | 7.44 | 7.44 | 7.44 | 7.44 | 27.68 | 29.13 | 26.87 | 26.85 | 7.19 | 7.19 | 7.16 | 7.19 | 7.40 | 35 | 52 | 64 | 41 | 44 | 87 | 99 | 76 | 79 | |
| 10SVI04-04 | 5 | 184TC | 184TC | 182TC | 184TC | 9.51 | 13.93 | 15.43 | 12.55 | 13.93 | 7.64 | 7.64 | 7.64 | 7.64 | 31.08 | 32.58 | 29.70 | 31.08 | 8.88 | 8.86 | 9.02 | 8.86 | 9.06 | 40 | 81 | 92 | 62 | 69 | 121 | 132 | 102 | 109 | |
| 10SVI05-05 | 5 | 184TC | 184TC | 182TC | 184TC | 10.77 | 13.93 | 15.43 | 12.55 | 13.93 | 7.64 | 7.64 | 7.64 | 7.64 | 32.34 | 33.84 | 30.96 | 32.34 | 8.88 | 8.86 | 9.02 | 8.86 | 9.06 | 42 | 81 | 92 | 62 | 69 | 123 | 134 | 104 | 111 | |
| 10SVI06-06 | 5 | 184TC | 184TC | 182TC | 184TC | 12.03 | 13.93 | 15.43 | 12.55 | 13.93 | 7.64 | 7.64 | 7.64 | 7.64 | 33.60 | 35.10 | 32.22 | 33.60 | 8.88 | 8.86 | 9.02 | 8.86 | 9.06 | 44 | 81 | 92 | 62 | 69 | 125 | 136 | 106 | 113 | |
| 10SVI07-07 | 7.5 | 213TC | 213TC | 184TC | 184TC | 13.29 | 13.88 | 15.53 | 13.93 | 15.43 | 8.21 | 8.21 | 7.64 | 7.64 | 35.38 | 37.03 | 34.86 | 36.36 | 8.89 | 10.62 | 8.88 | 8.86 | 9.06 | 49 | 100 | 120 | 75 | 85 | 149 | 169 | 124 | 134 | |
| 10SVI08-08 | 7.5 | 213TC | 213TC | 184TC | 184TC | 14.55 | 13.88 | 15.53 | 13.93 | 15.43 | 8.21 | 8.21 | 7.64 | 7.64 | 36.64 | 38.29 | 36.12 | 37.62 | 8.89 | 10.62 | 8.88 | 8.86 | 9.06 | 51 | 100 | 120 | 75 | 85 | 151 | 171 | 126 | 136 | |
| 10SVI09-09 | 7.5 | 213TC | 213TC | 184TC | 184TC | 15.81 | 13.88 | 15.53 | 13.93 | 15.43 | 8.21 | 8.21 | 7.64 | 7.64 | 37.90 | 39.55 | 37.37 | 38.87 | 8.89 | 10.62 | 8.88 | 8.86 | 9.06 | 53 | 100 | 120 | 75 | 85 | 153 | 173 | 128 | 138 | |
| 10SVI10-10 | 10 | 215TC | 215TC | 213TC | 215TC | 17.07 | 16.63 | 16.68 | 15.55 | 15.51 | 8.21 | 8.21 | 8.21 | 8.21 | 41.91 | 41.96 | 40.83 | 40.79 | 10.62 | 10.62 | 10.18 | 10.28 | 9.06 | 55 | 132 | 145 | 107 | 122 | 187 | 200 | 162 | 177 | |
| 10SVI11-11 | 10 | 215TC | 215TC | 213TC | 215TC | 18.33 | 16.63 | 16.68 | 15.55 | 15.51 | 8.21 | 8.21 | 8.21 | 8.21 | 43.17 | 43.22 | 42.09 | 42.05 | 10.62 | 10.62 | 10.18 | 10.28 | 9.06 | 57 | 132 | 145 | 107 | 122 | 189 | 202 | 164 | 179 | |
| 10SVI12-12 | 10 | 215TC | 215TC | 213TC | 215TC | 19.59 | 16.63 | 16.68 | 15.55 | 15.51 | 8.21 | 8.21 | 8.21 | 8.21 | 44.43 | 44.48 | 43.35 | 43.31 | 10.62 | 10.62 | 10.18 | 10.28 | 9.06 | 59 | 132 | 145 | 107 | 122 | 191 | 204 | 166 | 181 | |
| 10SVI13-13 | 10 | 215TC | 215TC | 213TC | 215TC | 20.85 | 16.63 | 16.68 | 15.55 | 15.51 | 8.21 | 8.21 | 8.21 | 8.21 | 45.69 | 45.74 | 44.61 | 44.57 | 10.62 | 10.62 | 10.18 | 10.28 | 9.06 | 61 | 132 | 145 | 107 | 122 | 193 | 206 | 168 | 183 | |
| 10SVI14-14 | 10 | 215TC | 215TC | 213TC | 215TC | 22.11 | 16.63 | 16.68 | 15.55 | 15.51 | 8.21 | 8.21 | 8.21 | 8.21 | 46.95 | 47.00 | 45.87 | 45.83 | 10.62 | 10.62 | 10.18 | 10.28 | 9.06 | 63 | 132 | 145 | 107 | 122 | 195 | 208 | 170 | 185 | |
| 10SVI15-15 | 15 | - | - | 215TC | 254TC | 23.37 | - | - | 15.55 | 16.57 | - | - | 8.21 | 8.84 | - | - | 47.13 | 48.78 | - | - | 10.18 | 10.28 | 9.06 | 68 | - | - | 125 | 195 | - | - | 193 | 263 | |

All listed dimensions are with Inducer, 10SVI15-15 has 15 Stages with Impeller and 1 Inducer chamber.

DIMENSIONS AND WEIGHTS

15 e-SVI COUPLED, 3500 RPM



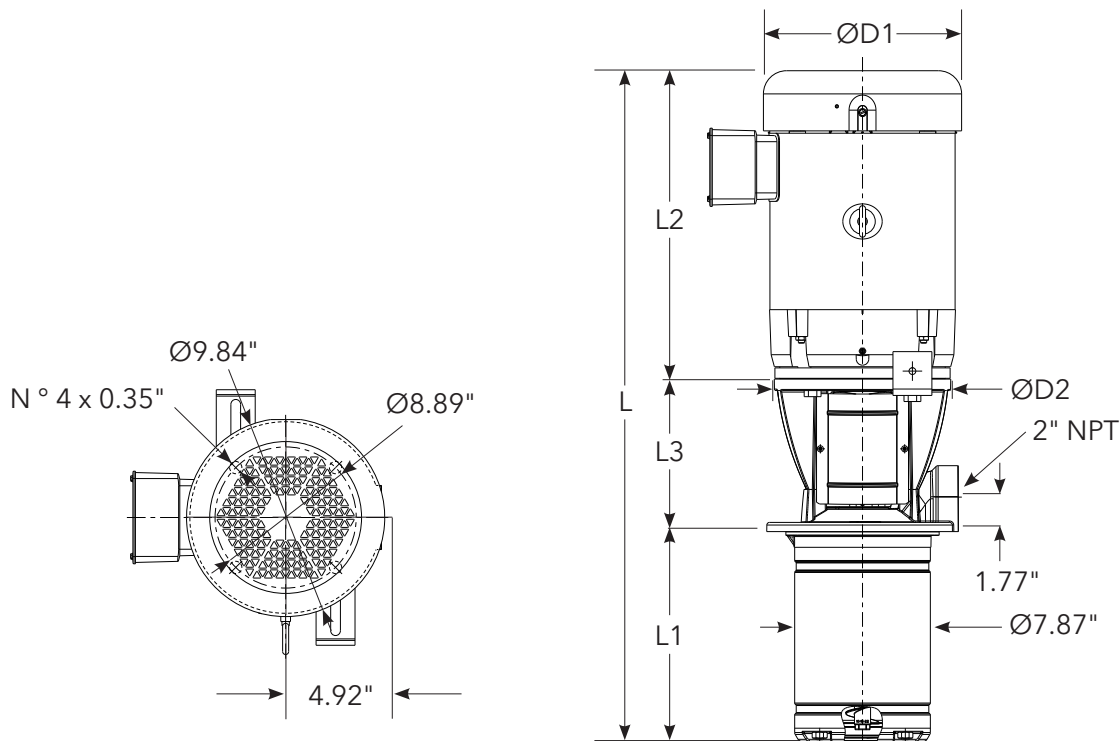
15 e-SVI SERIES – 60 Hz, 3500 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | | |
|--------------------|-------|------------|---------|--------|---------|-----------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|-----------|---------|---------------|---------|-----------|-----------|--------|---------|--------|---------|------------|---------|--------|---------|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | | | | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø |
| 15SVI02-01 | 2 | 56C | 56C | 56C | 56C | 8.88 | 11.18 | 12.06 | 11.16 | 10.79 | 7.44 | 7.44 | 7.44 | 7.44 | 27.50 | 28.38 | 27.48 | 27.11 | 7.19 | 7.19 | 6.19 | 6.19 | 7.40 | 36 | 43 | 51 | 32 | 33 | 79 | 87 | 68 | 69 |
| 15SVI02-02 | 5 | 184TC | 184TC | 182TC | 184TC | 8.88 | 13.93 | 15.43 | 12.55 | 13.93 | 7.64 | 7.64 | 7.64 | 7.64 | 30.45 | 31.95 | 29.07 | 30.45 | 8.88 | 8.86 | 9.02 | 8.86 | 9.06 | 40 | 81 | 92 | 62 | 69 | 121 | 132 | 102 | 109 |
| 15SVI03-03 | 5 | 184TC | 184TC | 182TC | 184TC | 10.77 | 13.93 | 15.43 | 12.55 | 13.93 | 7.64 | 7.64 | 7.64 | 7.64 | 32.34 | 33.84 | 30.96 | 32.34 | 8.88 | 8.86 | 9.02 | 8.86 | 9.06 | 43 | 81 | 92 | 62 | 69 | 124 | 135 | 105 | 112 |
| 15SVI04-04 | 7.5 | 213TC | 213TC | 184TC | 184TC | 12.66 | 13.88 | 15.53 | 13.93 | 15.43 | 8.21 | 8.21 | 7.64 | 7.64 | 34.75 | 36.40 | 34.23 | 35.73 | 8.89 | 10.62 | 8.88 | 8.86 | 9.06 | 49 | 100 | 120 | 75 | 85 | 149 | 169 | 124 | 134 |
| 15SVI05-05 | 10 | 215TC | 215TC | 213TC | 215TC | 14.55 | 16.63 | 16.68 | 15.55 | 15.51 | 8.21 | 8.21 | 8.21 | 8.21 | 39.39 | 39.44 | 38.31 | 38.27 | 10.62 | 10.62 | 10.18 | 10.28 | 9.06 | 52 | 132 | 145 | 107 | 122 | 184 | 197 | 159 | 174 |
| 15SVI06-06 | 10 | 215TC | 215TC | 213TC | 215TC | 16.44 | 16.63 | 16.68 | 15.55 | 15.51 | 8.21 | 8.21 | 8.21 | 8.21 | 41.28 | 41.33 | 40.20 | 40.16 | 10.62 | 10.62 | 10.18 | 10.28 | 9.06 | 54 | 132 | 145 | 107 | 122 | 186 | 199 | 161 | 176 |
| 15SVI07-07 | 15 | - | - | 215TC | 254TC | 18.33 | - | - | 15.55 | 16.57 | - | - | 8.21 | 8.84 | - | - | 42.09 | 43.74 | - | - | 10.18 | 10.28 | 9.06 | 61 | - | - | 125 | 195 | - | - | 186 | 256 |
| 15SVI08-08 | 15 | - | - | 215TC | 254TC | 20.22 | - | - | 15.55 | 16.57 | - | - | 8.21 | 8.84 | - | - | 43.98 | 45.63 | - | - | 10.18 | 10.28 | 9.06 | 63 | - | - | 125 | 195 | - | - | 188 | 258 |
| 15SVI09-09 | 15 | - | - | 215TC | 254TC | 22.11 | - | - | 15.55 | 16.57 | - | - | 8.21 | 8.84 | - | - | 45.87 | 47.52 | - | - | 10.18 | 10.28 | 9.06 | 66 | - | - | 125 | 195 | - | - | 191 | 261 |
| 15SVI10-10 | 20 | - | - | 254TC | 256TC | 24.00 | - | - | 16.66 | 20.08 | - | - | 8.84 | 8.84 | - | - | 49.50 | 52.92 | - | - | 10.18 | 13.13 | 9.06 | 69 | - | - | 144 | 285 | - | - | 213 | 354 |
| 15SVI11-11 | 20 | - | - | 254TC | 256TC | 25.89 | - | - | 16.66 | 20.08 | - | - | 8.84 | 8.84 | - | - | 51.39 | 54.81 | - | - | 10.18 | 13.13 | 9.06 | 72 | - | - | 144 | 285 | - | - | 216 | 357 |

All listed dimensions are with Inducer, 15SVI11-11 has 11 Stages with Impeller and 1 Inducer chamber.

DIMENSIONS AND WEIGHTS

22 e-SVI COUPLED, 3500 RPM



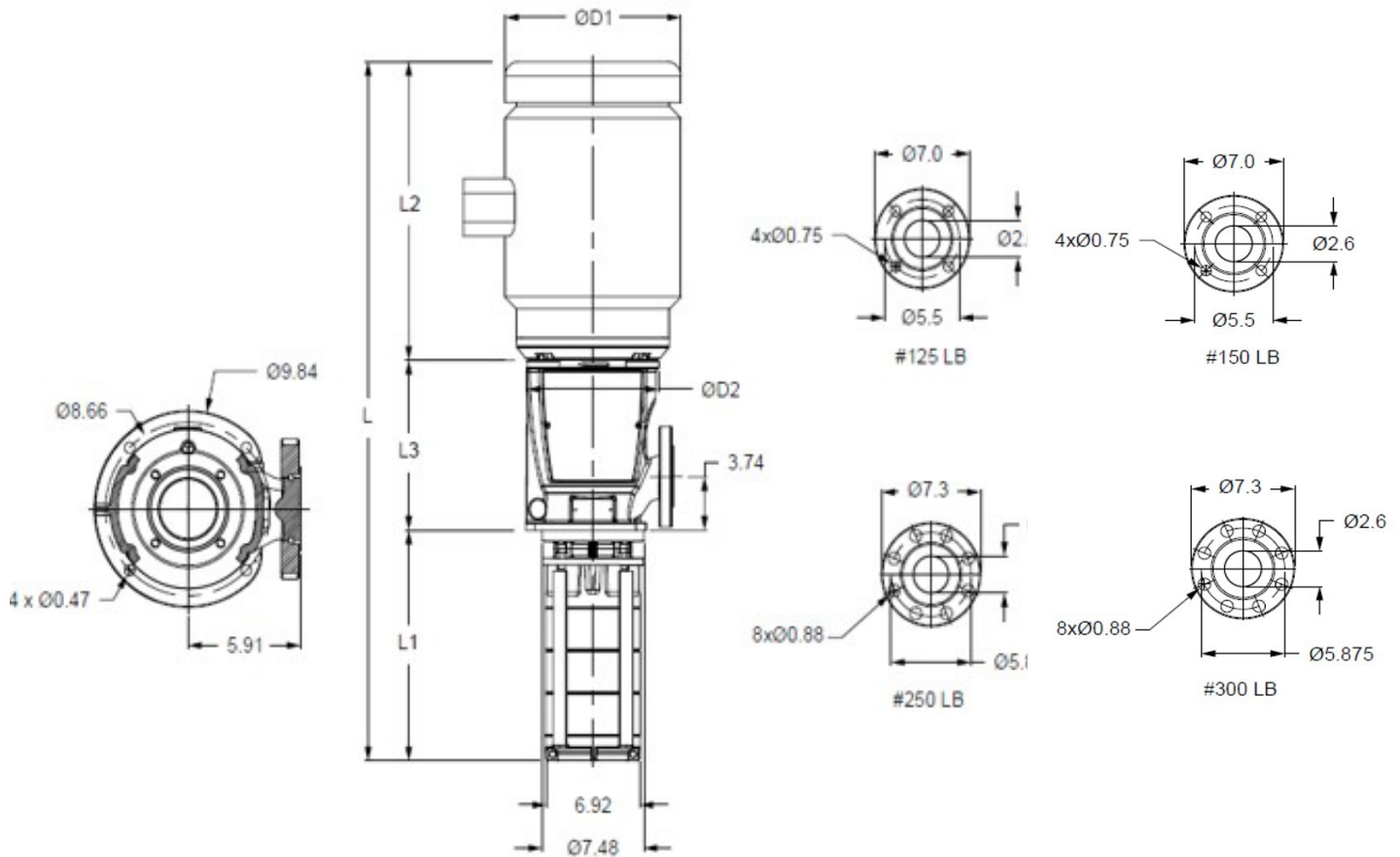
22 e-SVI SERIES – 60 Hz, 3500 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | |
|--------------------|-------|------------|---------|--------|---------|-----------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|-----------|---------|--------|---------------|-----------|-----------|--------|---------|--------|---------|------------|---------|--------|---------|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | | | | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø |
| 22SVI02-01 | 3 | 145TC | 56C | 56C | 56C | 8.88 | 11.99 | 13.44 | 11.18 | 11.16 | 7.44 | 7.44 | 7.44 | 7.44 | 28.31 | 29.76 | 27.50 | 27.48 | 7.19 | 7.19 | 7.16 | 7.19 | 7.40 | 36 | 52 | 64 | 41 | 44 | 88 | 100 | 77 | 80 |
| 22SVI02-02 | 5 | 184TC | 184TC | 182TC | 184TC | 8.88 | 13.93 | 15.43 | 12.55 | 13.93 | 7.64 | 7.64 | 7.64 | 7.64 | 30.45 | 31.95 | 29.07 | 30.45 | 8.88 | 8.86 | 9.02 | 8.86 | 9.06 | 40 | 81 | 92 | 62 | 69 | 121 | 132 | 102 | 109 |
| 22SVI03-03 | 7.5 | 213TC | 213TC | 184TC | 184TC | 10.77 | 13.88 | 15.53 | 13.93 | 15.43 | 8.21 | 8.21 | 7.64 | 7.64 | 32.86 | 34.51 | 32.34 | 33.84 | 8.89 | 10.62 | 8.88 | 8.86 | 9.06 | 46 | 100 | 120 | 75 | 85 | 146 | 166 | 121 | 131 |
| 22SVI04-04 | 10 | 215TC | 215TC | 213TC | 215TC | 12.66 | 16.63 | 16.68 | 15.55 | 15.51 | 8.21 | 8.21 | 8.21 | 8.21 | 37.50 | 37.55 | 36.42 | 36.38 | 10.62 | 10.62 | 10.18 | 10.28 | 9.06 | 49 | 132 | 145 | 107 | 122 | 181 | 194 | 156 | 171 |
| 22SVI05-05 | 15 | - | - | 215TC | 254TC | 14.55 | - | - | 15.55 | 16.57 | - | - | 8.21 | 8.84 | - | - | 38.31 | 39.96 | - | - | 10.18 | 10.28 | 9.06 | 55 | - | - | 125 | 195 | - | - | 180 | 250 |
| 22SVI06-06 | 15 | - | - | 215TC | 254TC | 16.44 | - | - | 15.55 | 16.57 | - | - | 8.21 | 8.84 | - | - | 40.20 | 41.85 | - | - | 10.18 | 10.28 | 9.06 | 58 | - | - | 125 | 195 | - | - | 183 | 253 |
| 22SVI07-07 | 15 | - | - | 215TC | 254TC | 18.33 | - | - | 15.55 | 16.57 | - | - | 8.21 | 8.84 | - | - | 42.09 | 43.74 | - | - | 10.18 | 10.28 | 9.06 | 61 | - | - | 125 | 195 | - | - | 186 | 256 |
| 22SVI08-08 | 20 | - | - | 254TC | 256TC | 20.22 | - | - | 16.66 | 20.08 | - | - | 8.84 | 8.84 | - | - | 45.72 | 49.14 | - | - | 10.18 | 13.13 | 9.06 | 64 | - | - | 144 | 285 | - | - | 208 | 349 |
| 22SVI09-09 | 20 | - | - | 254TC | 256TC | 22.11 | - | - | 16.66 | 20.08 | - | - | 8.84 | 8.84 | - | - | 47.61 | 51.03 | - | - | 10.18 | 13.13 | 9.06 | 66 | - | - | 144 | 285 | - | - | 210 | 351 |
| 22SVI10-10 | 25 | - | - | 256TC | 284TC | 24.00 | - | - | 22.69 | 19.54 | - | - | 8.84 | 9.46 | - | - | 55.53 | 53.00 | - | - | 11.50 | 12.94 | 11.26 | 81 | - | - | 265 | 283 | - | - | 346 | 364 |
| 22SVI11-11 | 25 | - | - | 256TC | 284TC | 25.89 | - | - | 22.69 | 19.54 | - | - | 8.84 | 9.46 | - | - | 57.42 | 54.89 | - | - | 11.50 | 12.94 | 11.26 | 84 | - | - | 265 | 283 | - | - | 349 | 367 |

All listed dimensions are with Inducer, 22SVI11-11 has 11 Stages with Impeller and 1 Inducer chamber.

DIMENSIONS AND WEIGHTS

33 e-SVI COUPLED, 3500 RPM



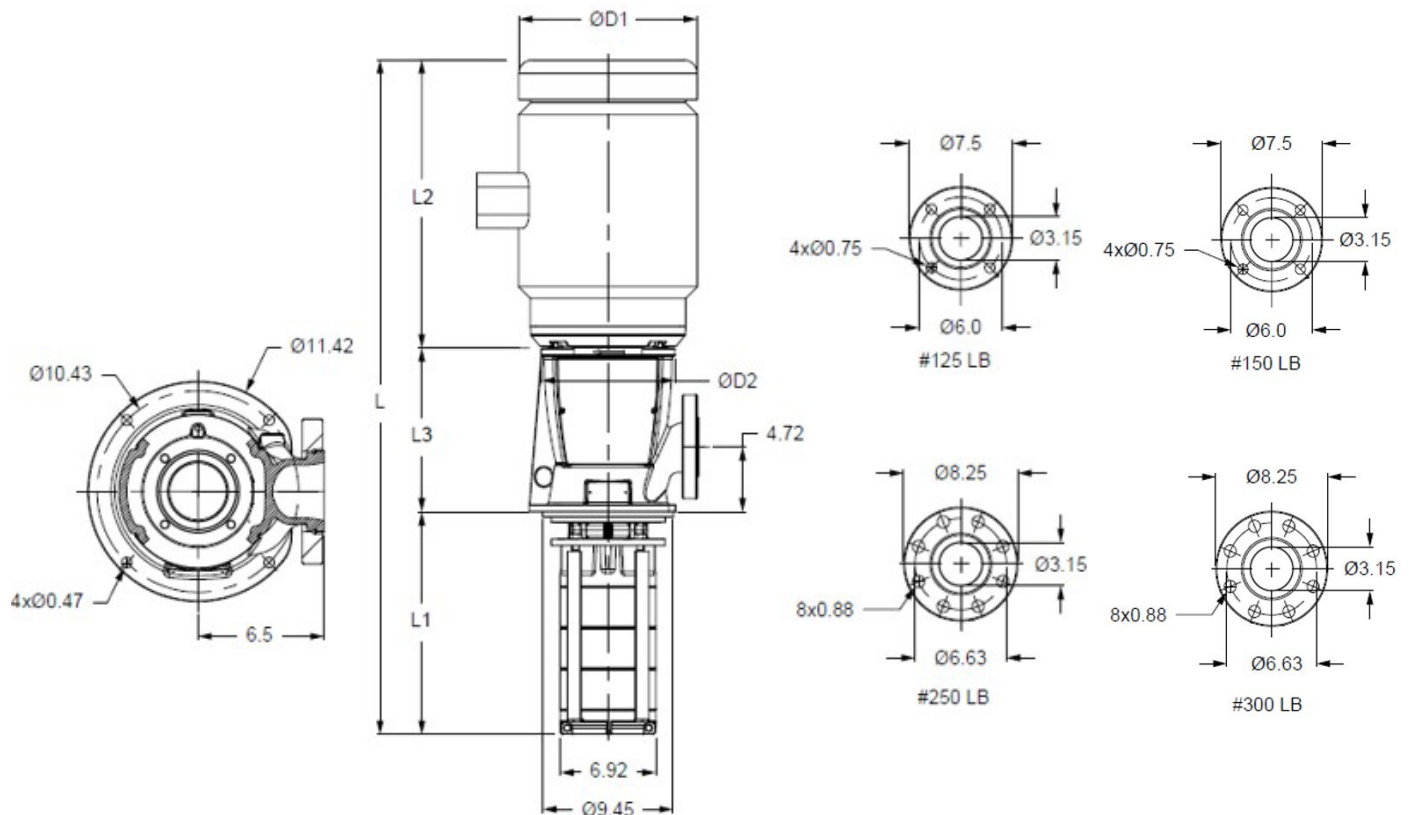
33 e-SVI SERIES – 60 Hz, 3500 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | | |
|--------------------|-------|------------|---------|--------|-----------------|-------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|-----------|---------|---------------|---------|-----------|-----------|--------|---------|--------|---------|------------|-----|-----|-----|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | | | | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | | | |
| 33SVI01-01-1 | 5 | 184TC | 184TC | 182TC | 184TC | 10.12 | 13.93 | 15.43 | 12.55 | 13.93 | 11.89 | 11.89 | 11.89 | 11.89 | 35.94 | 37.44 | 34.56 | 35.94 | 8.88 | 8.86 | 9.02 | 8.86 | 9.68 | 46 | 81 | 92 | 62 | 69 | 127 | 138 | 108 | 115 |
| 33SVI01-01 | 5 | 184TC | 184TC | 182TC | 184TC | 10.12 | 13.93 | 15.43 | 12.55 | 13.93 | 11.89 | 11.89 | 11.89 | 11.89 | 35.94 | 37.44 | 34.56 | 35.94 | 8.88 | 8.86 | 9.02 | 8.86 | 9.68 | 46 | 81 | 92 | 62 | 69 | 127 | 138 | 108 | 115 |
| 33SVI02-02-2 | 7.5 | 213TC | 213TC | 184TC | 184TC | 13.07 | 13.88 | 15.53 | 13.93 | 15.43 | 11.89 | 11.89 | 11.89 | 11.89 | 38.84 | 40.49 | 38.89 | 40.39 | 8.89 | 10.62 | 8.88 | 8.86 | 9.68 | 48 | 100 | 120 | 75 | 85 | 148 | 168 | 123 | 133 |
| 33SVI02-02-1 | 10 | 215TC | 215TC | 213TC | 215TC | 13.07 | 16.63 | 16.68 | 15.55 | 15.51 | 11.89 | 11.89 | 11.89 | 11.89 | 41.59 | 41.64 | 40.51 | 40.47 | 10.62 | 10.62 | 10.18 | 10.28 | 9.68 | 48 | 132 | 145 | 107 | 122 | 180 | 193 | 155 | 170 |
| 33SVI02-02 | 10 | 215TC | 215TC | 213TC | 215TC | 13.07 | 16.63 | 16.68 | 15.55 | 15.51 | 11.89 | 11.89 | 11.89 | 11.89 | 41.59 | 41.64 | 40.51 | 40.47 | 10.62 | 10.62 | 10.18 | 10.28 | 9.68 | 48 | 132 | 145 | 107 | 122 | 180 | 193 | 155 | 170 |
| 33SVI03-03-2 | 15 | - | - | 215TC | 254TC | 16.02 | - | - | 15.55 | 16.57 | - | - | 11.89 | 11.89 | - | - | 43.46 | 44.48 | - | - | 10.18 | 10.28 | 9.68 | 51 | - | - | 125 | 195 | - | - | 176 | 246 |
| 33SVI03-03-1 | 15 | - | - | 215TC | 254TC | 16.02 | - | - | 15.55 | 16.57 | - | - | 11.89 | 11.89 | - | - | 43.46 | 44.48 | - | - | 10.18 | 10.28 | 9.68 | 51 | - | - | 125 | 195 | - | - | 176 | 246 |
| 33SVI03-03 | 15 | - | - | 215TC | 254TC | 16.02 | - | - | 15.55 | 16.57 | - | - | 11.89 | 11.89 | - | - | 43.46 | 44.48 | - | - | 10.18 | 10.28 | 9.68 | 51 | - | - | 125 | 195 | - | - | 176 | 246 |
| 33SVI04-04-2 | 20 | - | - | 254TC | 256TC | 18.98 | - | - | 16.66 | 20.08 | - | - | 11.89 | 11.89 | - | - | 47.53 | 50.95 | - | - | 10.18 | 13.13 | 9.68 | 54 | - | - | 144 | 285 | - | - | 198 | 339 |
| 33SVI04-04-1 | 20 | - | - | 254TC | 256TC | 18.98 | - | - | 16.66 | 20.08 | - | - | 11.89 | 11.89 | - | - | 47.53 | 50.95 | - | - | 10.18 | 13.13 | 9.68 | 54 | - | - | 144 | 285 | - | - | 198 | 339 |
| 33SVI04-04 | 20 | - | - | 254TC | 256TC | 18.98 | - | - | 16.66 | 20.08 | - | - | 11.89 | 11.89 | - | - | 47.53 | 50.95 | - | - | 10.18 | 13.13 | 9.68 | 54 | - | - | 144 | 285 | - | - | 198 | 339 |

SVI04-04 has 4 Stages with Impeller SVI04-04-1 has 4 Stages with Impeller, one Impeller has a reduced diameter..

DIMENSIONS AND WEIGHTS

46 e-SVI COUPLED, 3500 RPM



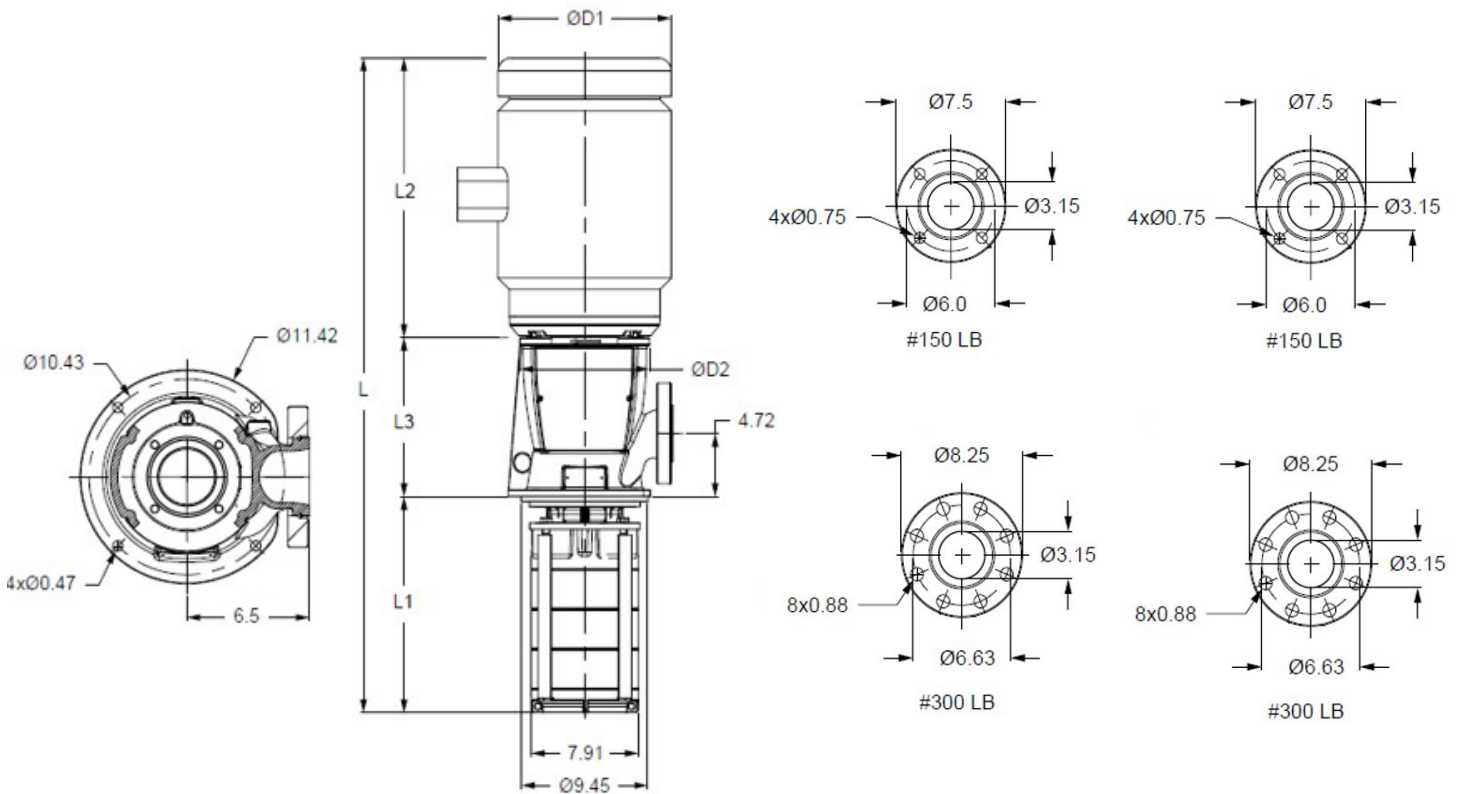
46 e-SVI SERIES – 60 Hz, 3500 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | | |
|--------------------|-------|------------|---------|--------|-----------------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|-----------|--------|---------|---------------|-----------|-----------|---------|--------|---------|--------|------------|--------|---------|--------|---------|
| | HP | NEMA FRAME | | | L1 | L2 | | | | L3 | | | | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | | |
| | | ODP 10 | TEFC 10 | ODP 30 | | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | | | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 |
| 46SVI01-01-1 | 7.5 | 213TC | 213TC | 184TC | 184TC | 10.12 | 13.88 | 15.53 | 13.93 | 15.43 | 11.89 | 11.89 | 11.89 | 11.89 | 35.89 | 37.54 | 35.94 | 37.44 | 8.89 | 10.62 | 8.88 | 8.86 | 9.68 | 50 | 100 | 120 | 75 | 85 | 150 | 170 | 125 | 135 |
| 46SVI01-01 | 7.5 | 213TC | 213TC | 184TC | 184TC | 10.12 | 13.88 | 15.53 | 13.93 | 15.43 | 11.89 | 11.89 | 11.89 | 11.89 | 35.89 | 37.54 | 35.94 | 37.44 | 8.89 | 10.62 | 8.88 | 8.86 | 9.68 | 50 | 100 | 120 | 75 | 85 | 150 | 170 | 125 | 135 |
| 46SVI02-02-2 | 15 | - | - | 215TC | 254TC | 13.07 | - | - | 15.55 | 16.57 | - | - | 11.89 | 11.89 | - | - | 40.51 | 41.53 | - | - | 10.18 | 10.28 | 9.68 | 53 | - | - | 125 | 195 | - | - | 178 | 248 |
| 46SVI02-02-1 | 15 | - | - | 215TC | 254TC | 13.07 | - | - | 15.55 | 16.57 | - | - | 11.89 | 11.89 | - | - | 40.51 | 41.53 | - | - | 10.18 | 10.28 | 9.68 | 53 | - | - | 125 | 195 | - | - | 178 | 248 |
| 46SVI02-02 | 15 | - | - | 215TC | 254TC | 13.07 | - | - | 15.55 | 16.57 | - | - | 11.89 | 11.89 | - | - | 40.51 | 41.53 | - | - | 10.18 | 10.28 | 9.68 | 53 | - | - | 125 | 195 | - | - | 178 | 248 |
| 46SVI03-03-2 | 20 | - | - | 254TC | 256TC | 16.02 | - | - | 16.66 | 20.08 | - | - | 11.89 | 11.89 | - | - | 44.57 | 47.99 | - | - | 10.18 | 13.13 | 9.68 | 56 | - | - | 144 | 285 | - | - | 200 | 341 |
| 46SVI03-03-1 | 20 | - | - | 254TC | 256TC | 16.02 | - | - | 16.66 | 20.08 | - | - | 11.89 | 11.89 | - | - | 44.57 | 47.99 | - | - | 10.18 | 13.13 | 9.68 | 56 | - | - | 144 | 285 | - | - | 200 | 341 |
| 46SVI03-03 | 25 | - | - | 256TC | 284TC | 16.02 | - | - | 22.69 | 19.54 | - | - | 11.89 | 13.43 | - | - | 50.60 | 48.99 | - | - | 11.50 | 12.94 | 11.26 | 56 | - | - | 265 | 283 | - | - | 321 | 339 |

SVI03-03 has 3 Stages with Impeller. SVI03-03-1 has 3 Stages with Impeller, one Impeller has reduced diameter.

DIMENSIONS AND WEIGHTS

66 e-SVI COUPLED, 3500 RPM



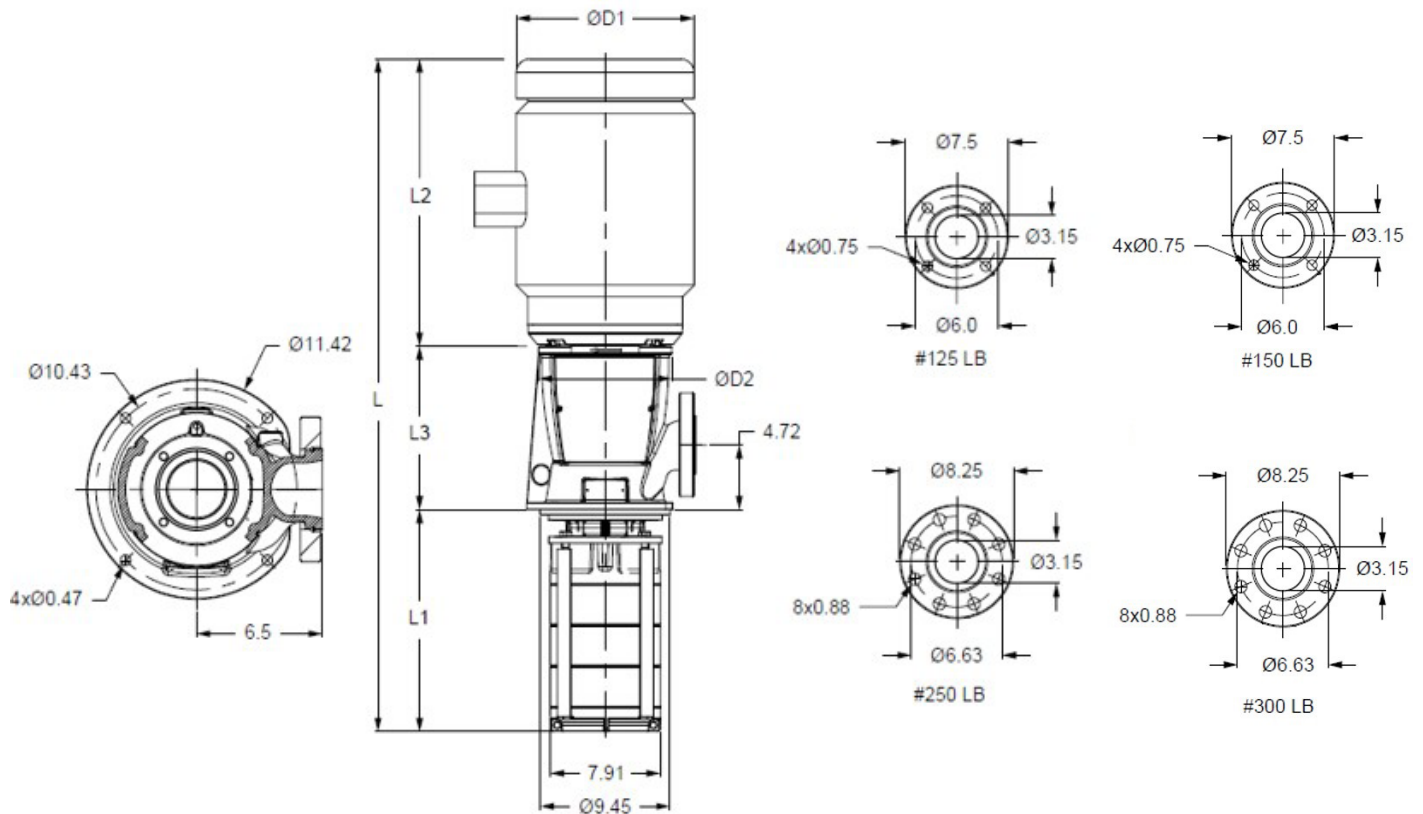
66 e-SVI SERIES – 60 Hz, 3500 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | | | |
|--------------------|-------|------------|---------|--------|---------|-----------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|-----------|---------------|--------|---------|-----------|-----------|--------|---------|--------|---------|------------|---------|--------|---------|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | | | | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | | | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 |
| 66SVI01-01-1 | 10 | 215TC | 215TC | 213TC | 215TC | 10.71 | 16.63 | 16.68 | 15.55 | 15.51 | 11.89 | 11.89 | 11.89 | 11.89 | 39.23 | 39.28 | 38.15 | 38.11 | 10.62 | 10.62 | 10.18 | 10.28 | 9.68 | 54 | 132 | 145 | 107 | 122 | 186 | 199 | 161 | 176 |
| 66SVI01-01 | 15 | - | - | 215TC | 254TC | 10.71 | - | - | 15.55 | 16.57 | - | - | 11.89 | 11.89 | - | - | 38.15 | 39.17 | - | - | 10.18 | 10.28 | 9.68 | 54 | - | - | 125 | 195 | - | - | 179 | 249 |
| 66SVI02-02-2 | 20 | - | - | 254TC | 256TC | 14.25 | - | - | 16.66 | 20.08 | - | - | 11.89 | 11.89 | - | - | 42.80 | 46.22 | - | - | 10.18 | 13.13 | 9.68 | 57 | - | - | 144 | 285 | - | - | 201 | 342 |
| 66SVI02-02-1 | 20 | - | - | 254TC | 256TC | 14.25 | - | - | 16.66 | 20.08 | - | - | 11.89 | 11.89 | - | - | 42.80 | 46.22 | - | - | 10.18 | 13.13 | 9.68 | 57 | - | - | 144 | 285 | - | - | 201 | 342 |
| 66SVI02-02 | 25 | - | - | 256TC | 284TC | 14.25 | - | - | 22.69 | 19.54 | - | - | 11.89 | 13.43 | - | - | 48.83 | 47.22 | - | - | 11.50 | 12.94 | 11.26 | 57 | - | - | 265 | 283 | - | - | 322 | 340 |
| 66SVI03-03-2 | 30 | - | - | 286TC | 284TC | 17.80 | - | - | 22.31 | 22.93 | - | - | 13.43 | 13.43 | - | - | 53.53 | 54.15 | - | - | 13.26 | 15.56 | 11.26 | 60 | - | - | 395 | 324 | - | - | 455 | 384 |
| 66SVI03-03-1 | 30 | - | - | 286TC | 284TC | 17.80 | - | - | 22.31 | 22.93 | - | - | 13.43 | 13.43 | - | - | 53.53 | 54.15 | - | - | 13.26 | 15.56 | 11.26 | 60 | - | - | 395 | 324 | - | - | 455 | 384 |
| 66SVI03-03 | 40 | - | - | 286TC | 286TC | 17.80 | - | - | 21.50 | 22.93 | - | - | 13.43 | 13.43 | - | - | 52.72 | 54.15 | - | - | 13.26 | 15.56 | 11.26 | 60 | - | - | 631 | 552 | - | - | 691 | 612 |

SVI03-03 has 3 Stages with Impeller SVI03-03-1 has 3 Stages with Impeller, one Impeller has a reduced diameter..

DIMENSIONS AND WEIGHTS

92 e-SVI COUPLED, 3500 RPM



92 e-SVI SERIES – 60 Hz, 3500 RPM ODP/TEFC Enclosures

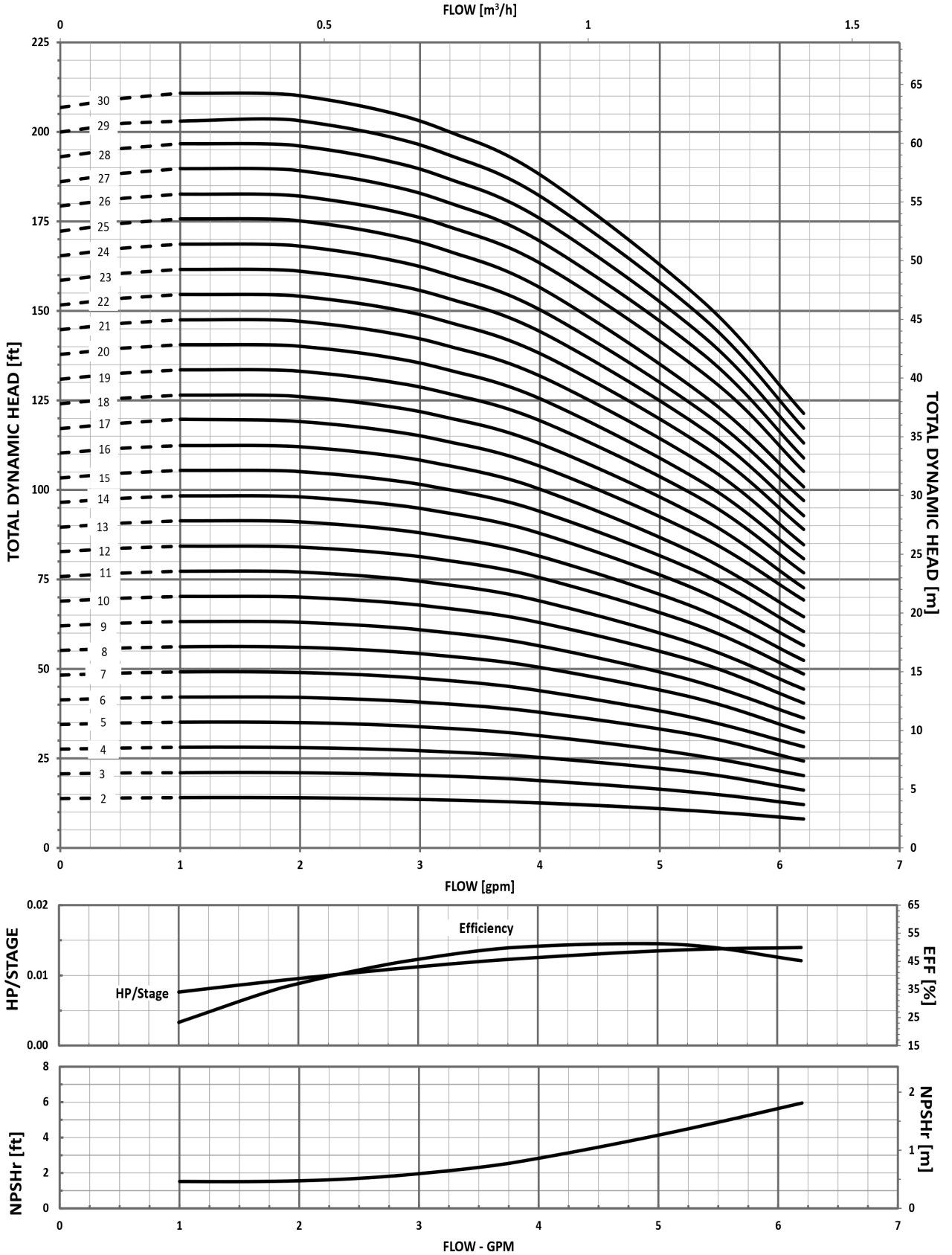
| PUMP CONFIGURATION | MOTOR | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | | | |
|--------------------|-------|------------|---------|--------|-----------------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|-----------|--------|---------------|--------|-----------|-----------|---------|--------|---------|--------|------------|--------|---------|--------|---------|
| | HP | NEMA FRAME | | | L1 | L2 | | | | L3 | | | | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | | |
| | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | | | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø |
| 92SVI01-01-1 | 15 | - | - | 215TC | 254TC | 10.71 | - | - | 15.55 | 16.57 | - | - | 11.89 | 11.89 | - | - | 38.15 | 39.17 | - | - | 10.18 | 10.28 | 9.68 | 54 | - | - | 125 | 195 | - | - | 179 | 249 |
| 92SVI01-01 | 15 | - | - | 215TC | 254TC | 10.71 | - | - | 15.55 | 16.57 | - | - | 11.89 | 11.89 | - | - | 38.15 | 39.17 | - | - | 10.18 | 10.28 | 9.68 | 54 | - | - | 125 | 195 | - | - | 179 | 249 |
| 92SVI02-02-2 | 25 | - | - | 256TC | 284TC | 14.25 | - | - | 22.69 | 19.54 | - | - | 11.89 | 13.43 | - | - | 48.83 | 47.22 | - | - | 11.50 | 12.94 | 11.26 | 57 | - | - | 265 | 283 | - | - | 322 | 340 |
| 92SVI02-02-1 | 25 | - | - | 256TC | 284TC | 14.25 | - | - | 22.69 | 19.54 | - | - | 11.89 | 13.43 | - | - | 48.83 | 47.22 | - | - | 11.50 | 12.94 | 11.26 | 57 | - | - | 265 | 283 | - | - | 322 | 340 |
| 92SVI02-02 | 30 | - | - | 286TC | 284TC | 14.25 | - | - | 22.31 | 22.93 | - | - | 13.43 | 13.43 | - | - | 49.99 | 50.61 | - | - | 13.26 | 15.56 | 11.26 | 57 | - | - | 395 | 324 | - | - | 452 | 381 |
| 92SVI03-03-2 | 40 | - | - | 286TC | 286TC | 17.80 | - | - | 21.75 | 23.18 | - | - | 13.43 | 13.43 | - | - | 52.97 | 54.40 | - | - | 13.25 | 15.56 | 11.26 | 60 | - | - | 315 | 446 | - | - | 375 | 506 |
| 92SVI03-03-1 | 40 | - | - | 286TC | 286TC | 17.80 | - | - | 21.75 | 23.18 | - | - | 13.43 | 13.43 | - | - | 52.97 | 54.40 | - | - | 13.25 | 15.56 | 11.26 | 60 | - | - | 315 | 446 | - | - | 375 | 506 |

SVI02-02 has 2 Stages with Impeller SVI02-02-1 has 2 Stages with Impeller, one Impeller has a reduced diameter..

PERFORMANCE CURVE

1 e-SVI COUPLED, 1750 RPM

60 Hz

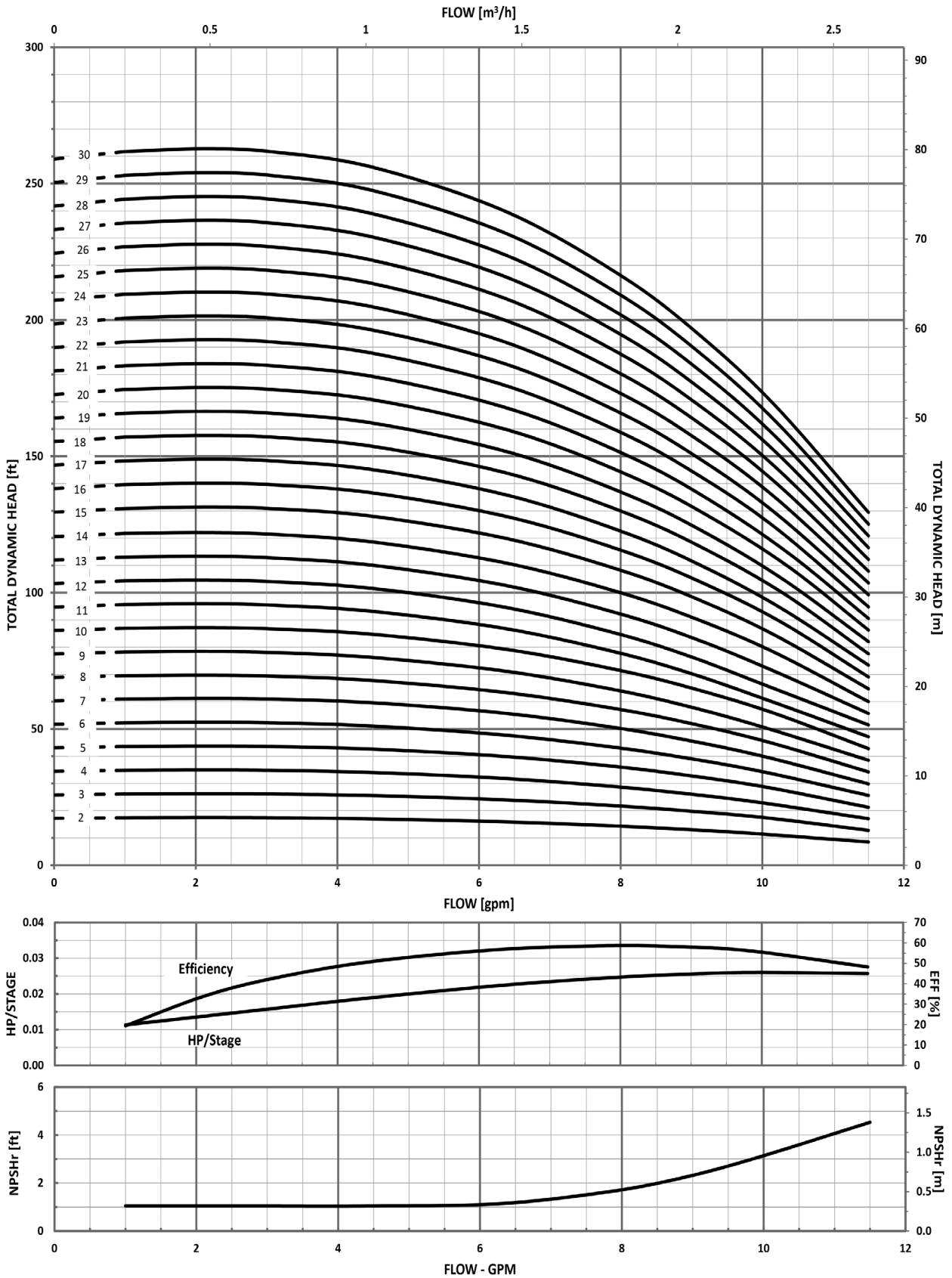


MINIMUM FLOW RATE: 1 GPM [.24 m³/hr]

PERFORMANCE CURVE

3 e-SVI COUPLED, 1750 RPM

60 Hz

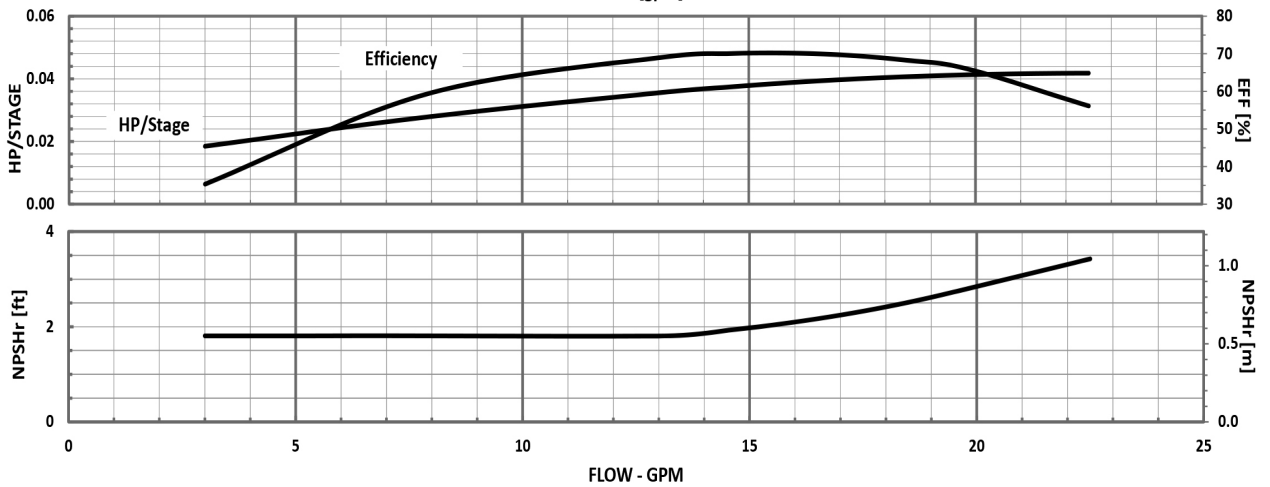
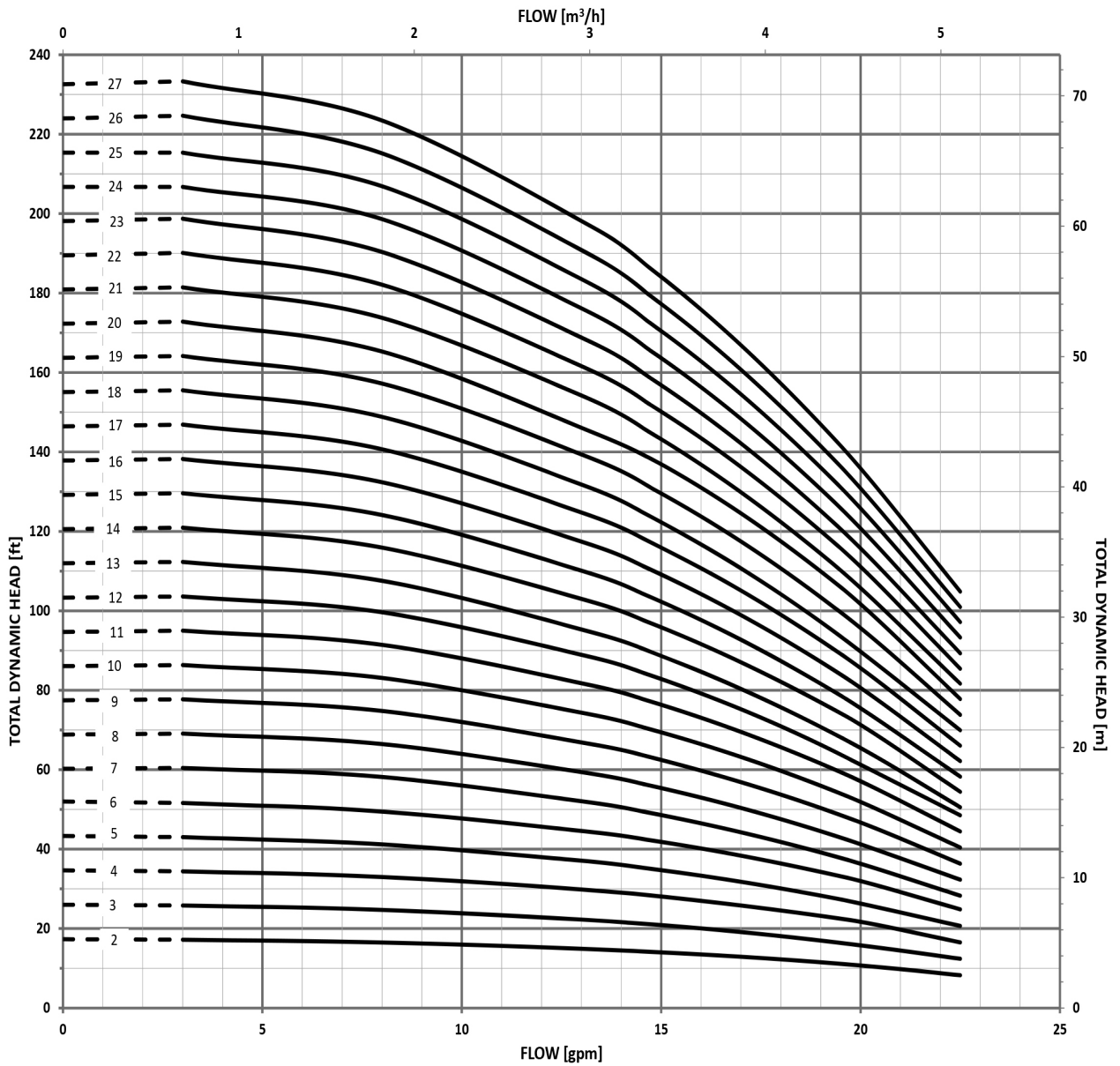


MINIMUM FLOW RATE: 1 GPM [.24 m³/hr]

PERFORMANCE CURVE

5 e-SVI COUPLED, 1750 RPM

60 Hz

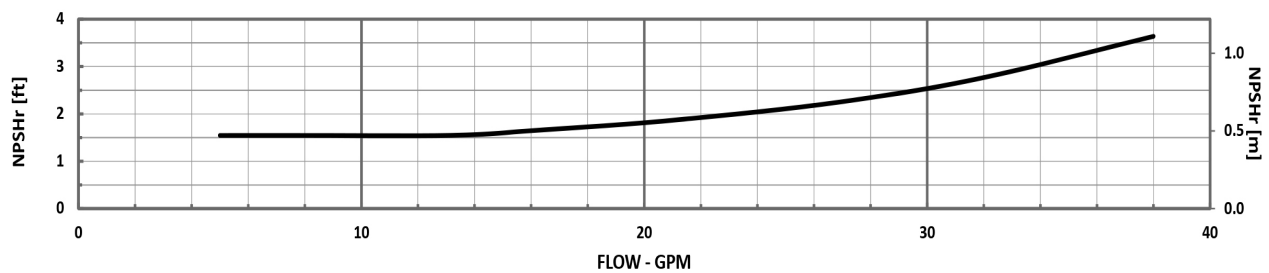
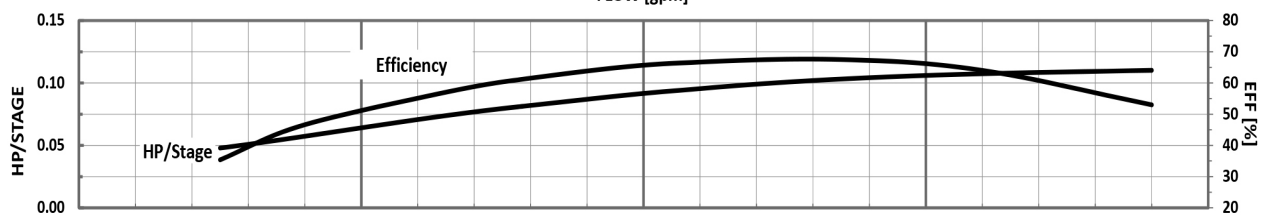
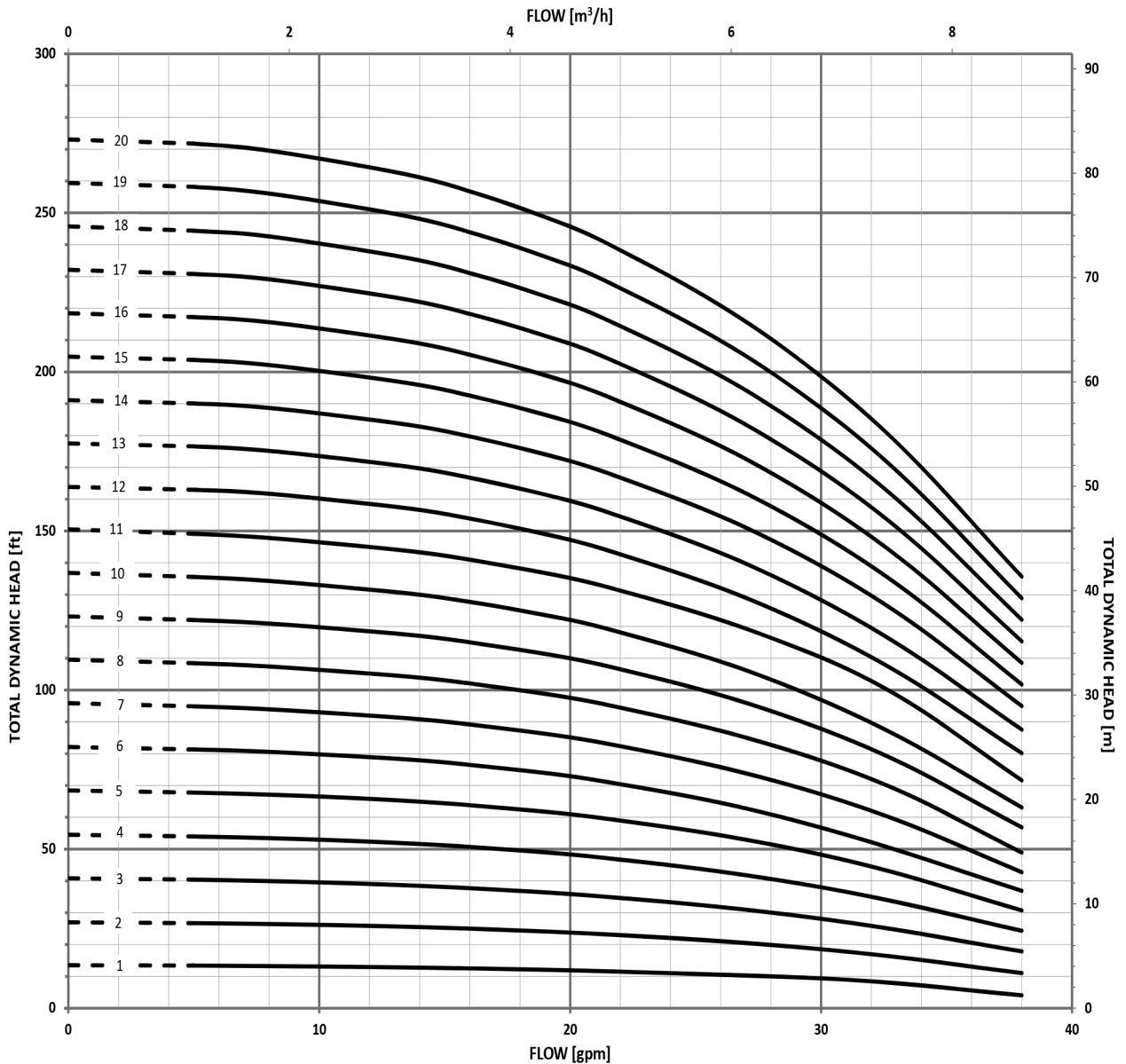


MINIMUM FLOW RATE: 3 GPM [$.7 m^3/hr$]

PERFORMANCE CURVE

10 e-SVI COUPLED, 1750 RPM

60 Hz

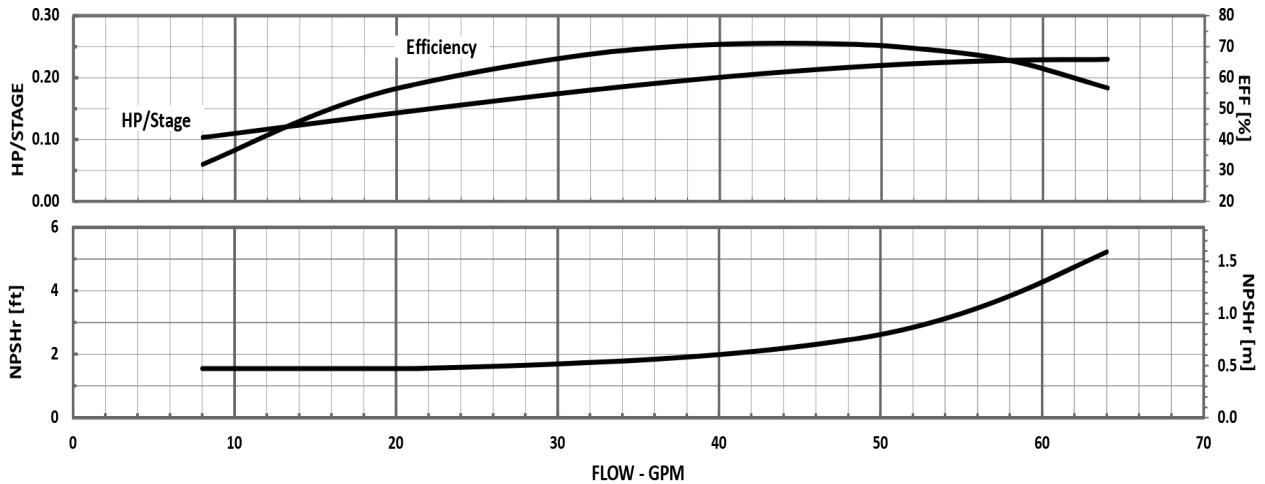
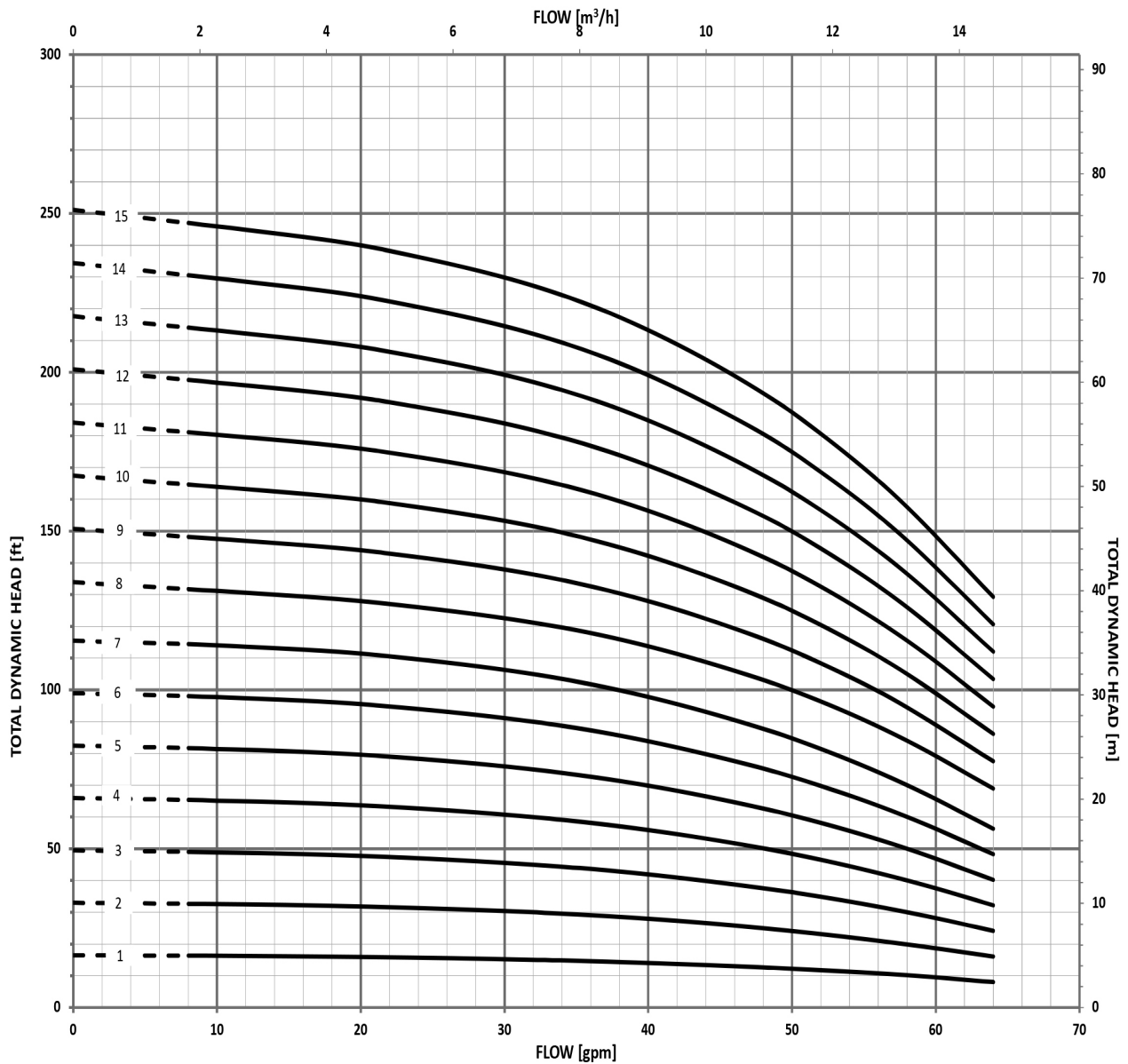


MINIMUM FLOW RATE: 5 GPM [1.4 m³/hr]

PERFORMANCE CURVE

15 e-SVI COUPLED, 1750 RPM

60 Hz

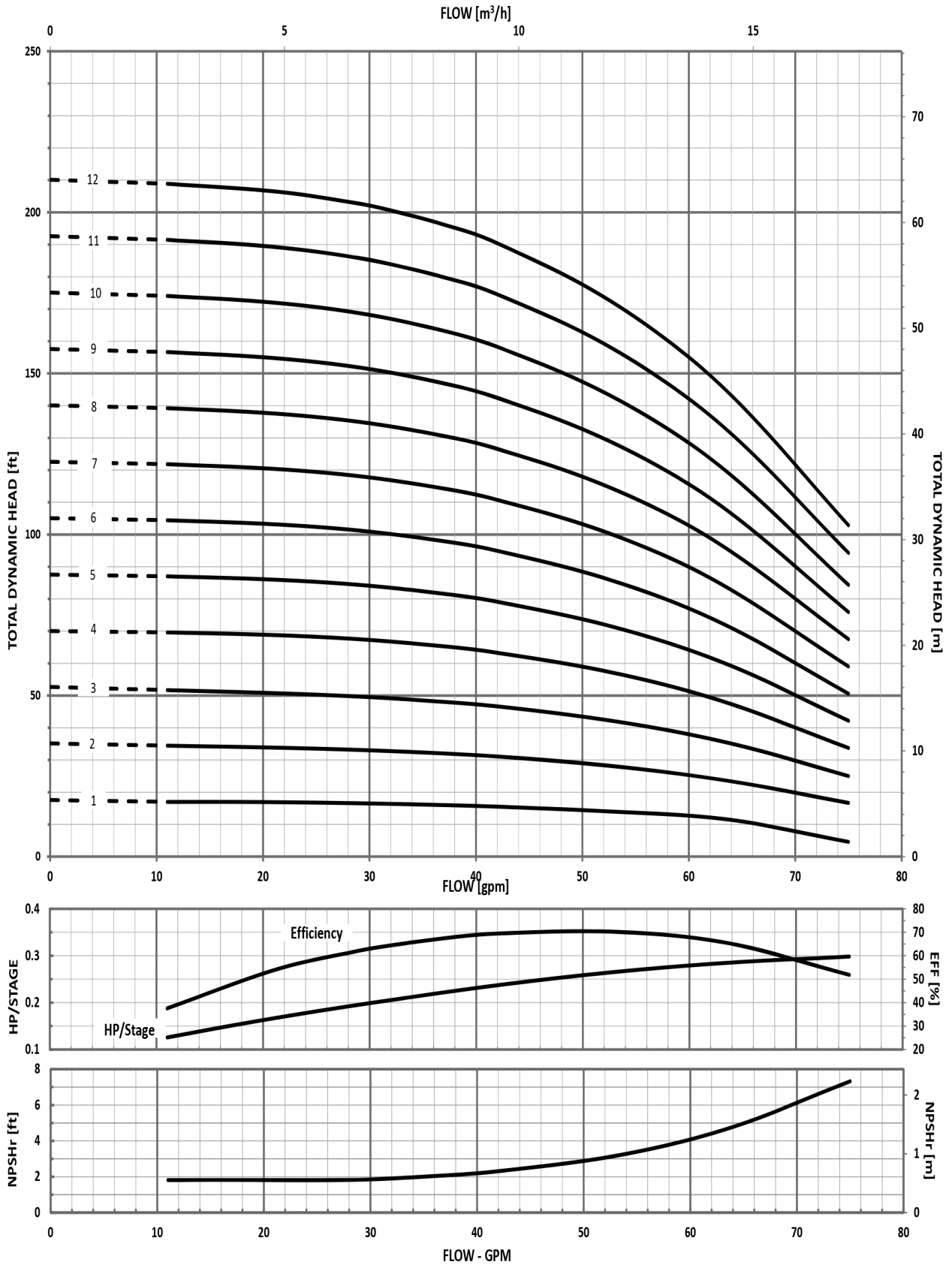


MINIMUM FLOW RATE: 8 GPM [2 m³/hr]

PERFORMANCE CURVE

22 e-SVI COUPLED, 1750 RPM

60 Hz

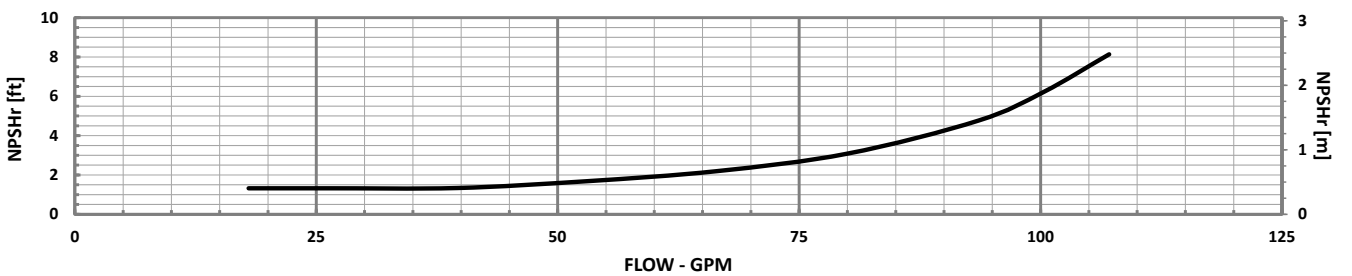
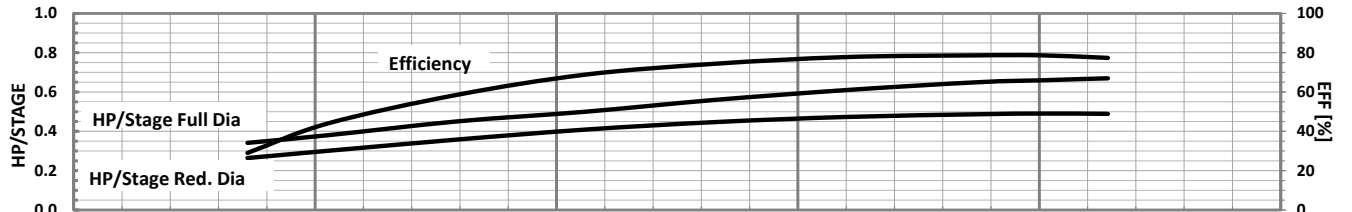
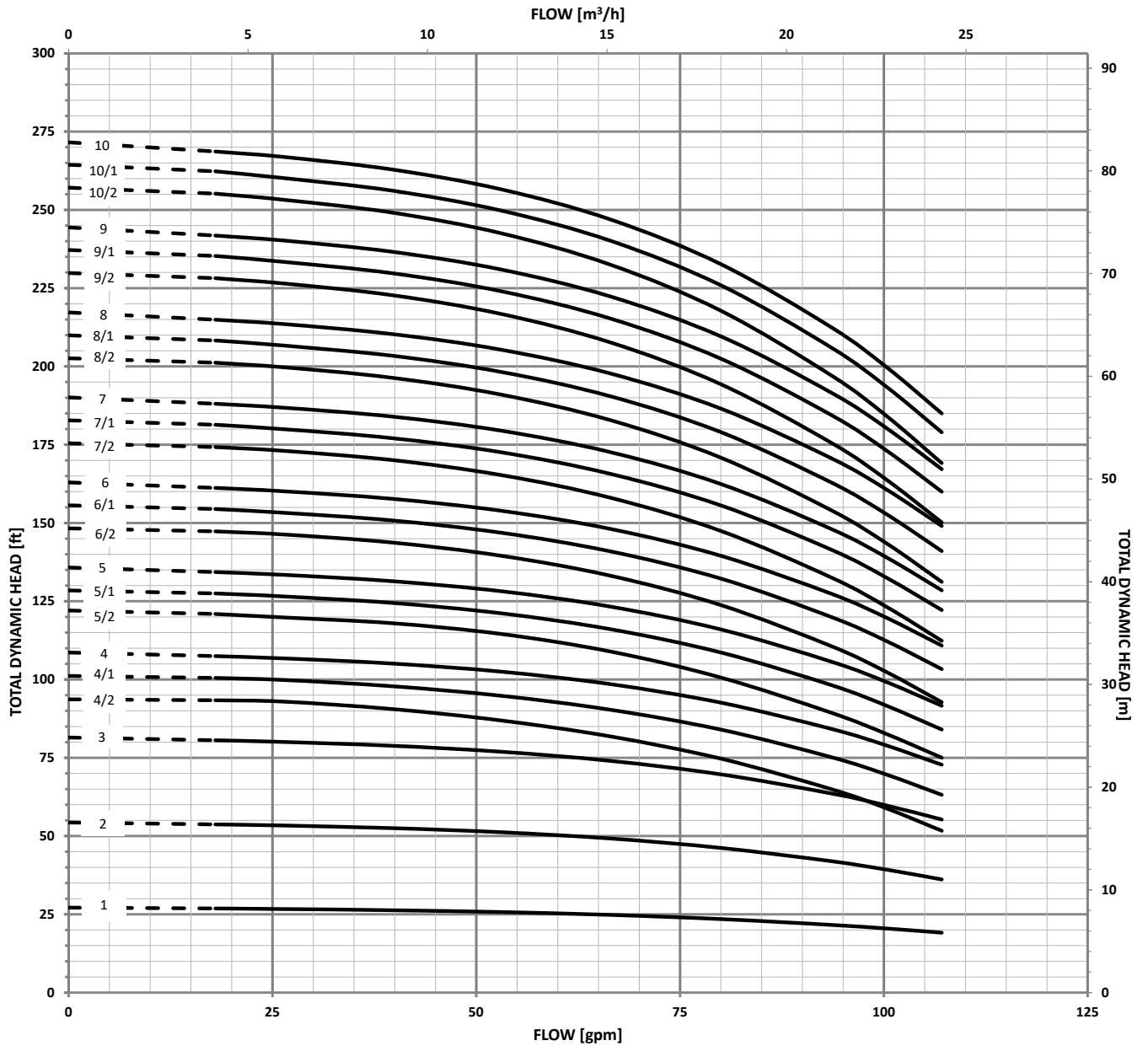


MINIMUM FLOW RATE: 11 GPM [2.5 m³/hr]

PERFORMANCE CURVE

33 e-SVI COUPLED, 1750 RPM

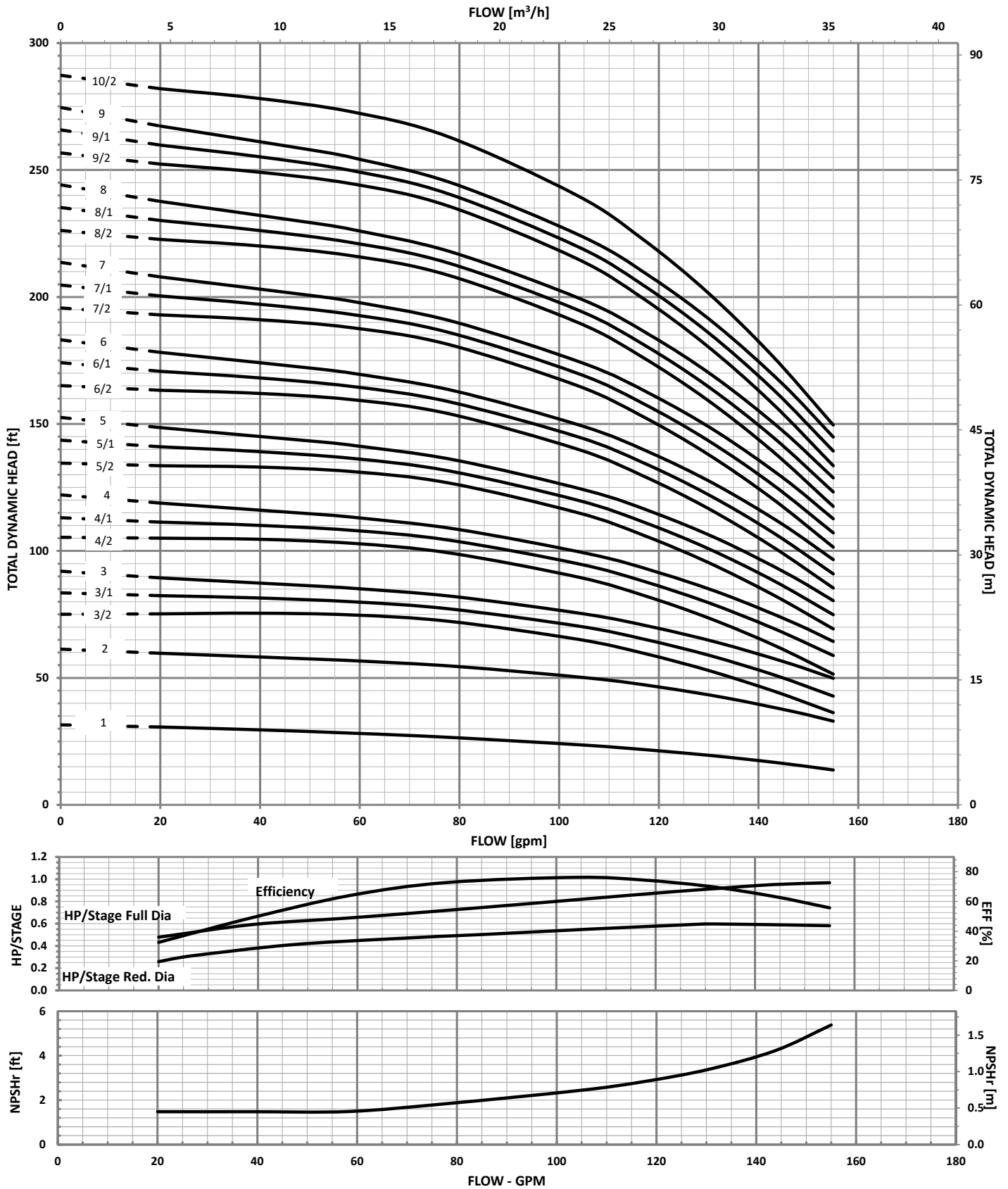
60 Hz



PERFORMANCE CURVE

46 e-SVI COUPLED, 1750 RPM

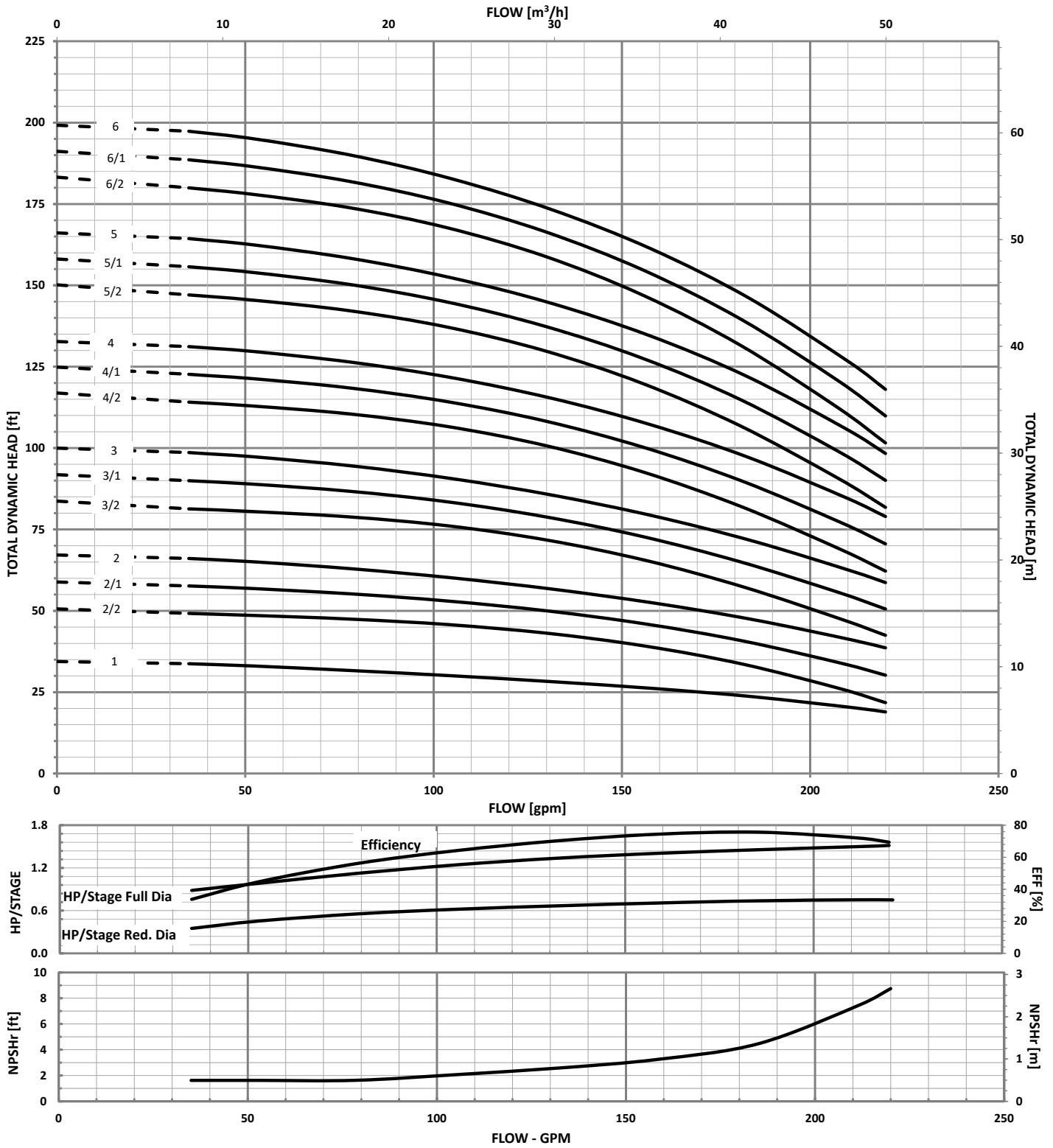
60 Hz



PERFORMANCE CURVE

66 e-SVI COUPLED, 1750 RPM

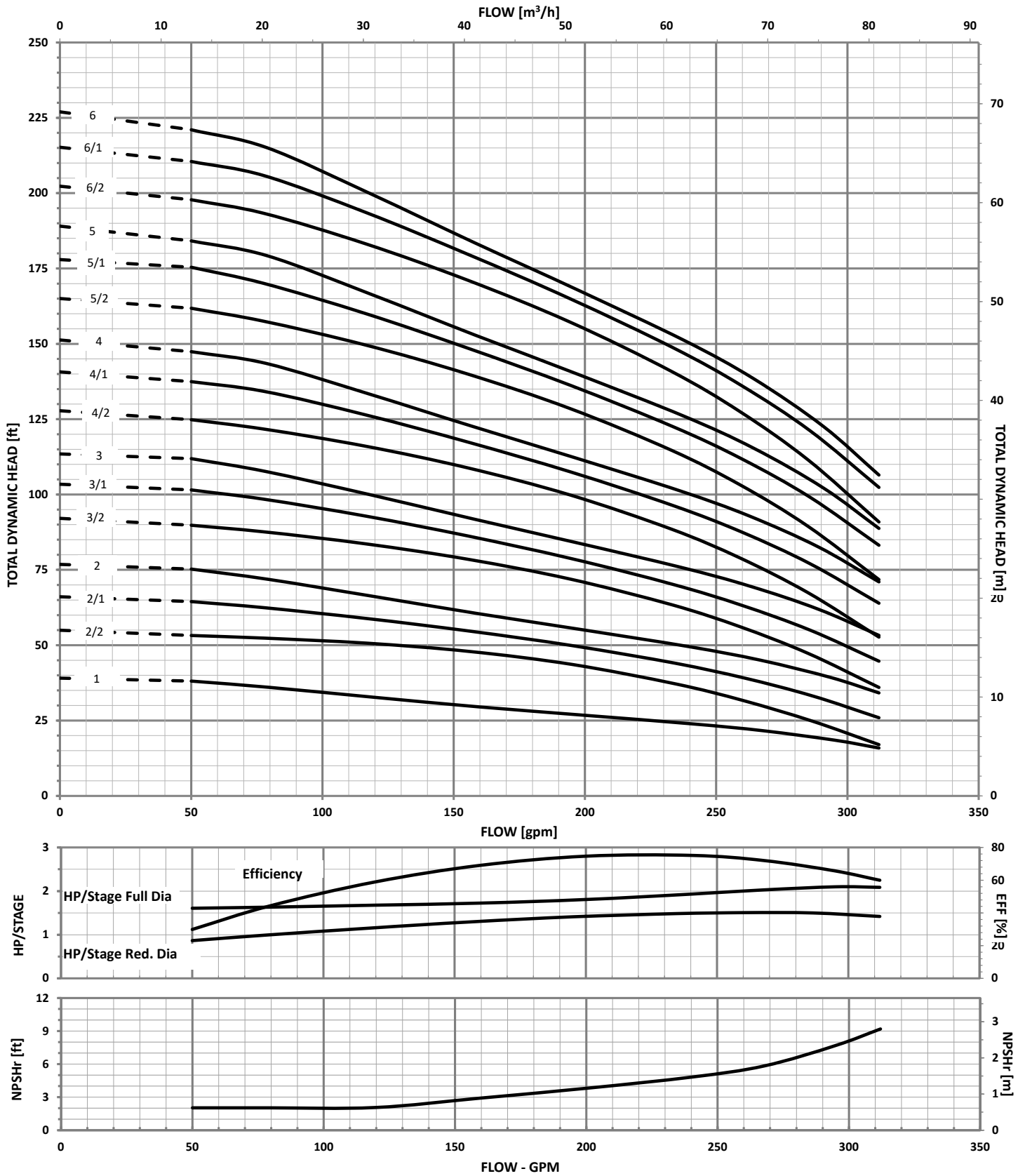
60 Hz



PERFORMANCE CURVE

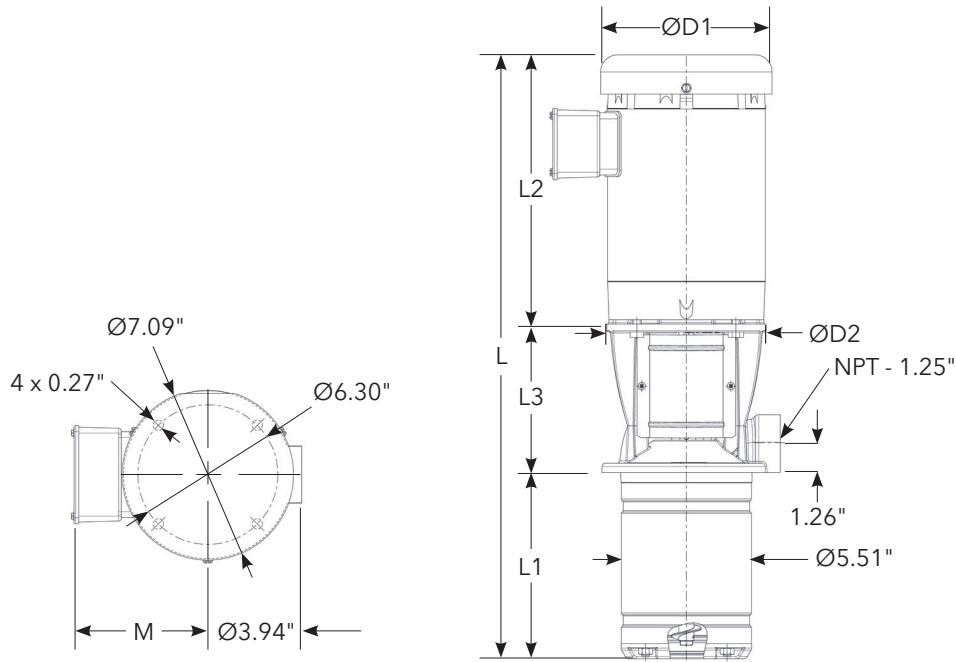
92 e-SVI COUPLED, 1750 RPM

60 Hz



DIMENSIONS AND WEIGHTS

1 e-SVI COUPLED, 1750 RPM



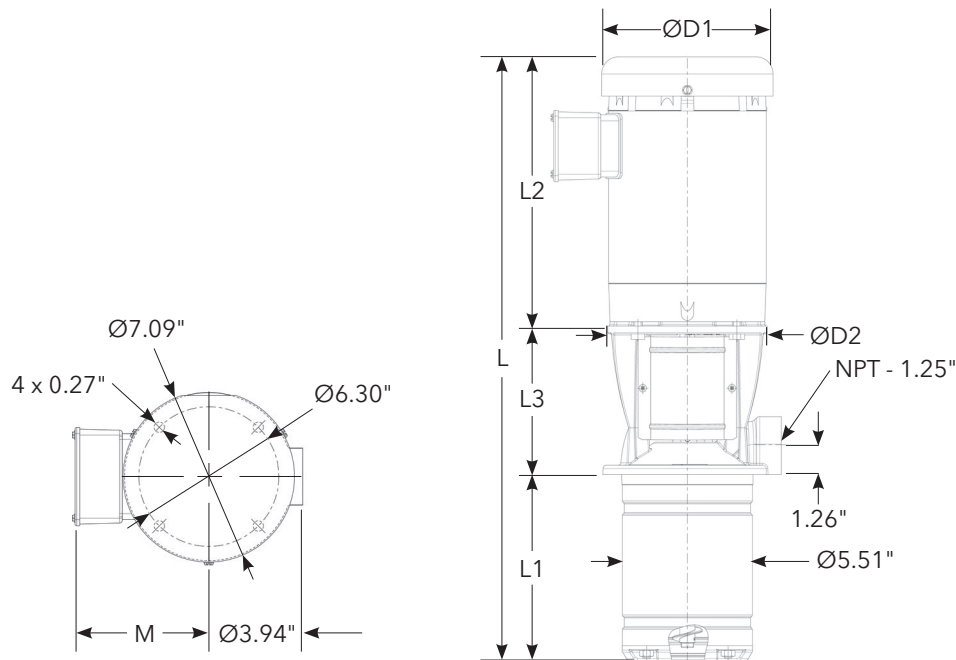
1 e-SVI SERIES – 60 Hz, 1750 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | |
|--------------------|-------|------------|---------|--------|---------|-----------------|--------|---------|--------|---------|------|--------|---------|--------|---------|-----------|---------|--------|---------|-----------|---------------|--------|---------|--------|---------|------------|---------|--------|---------|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø |
| 1SVI02-02 | 0.5 | 56C | 56C | 56C | 56C | 4.69 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 21.79 | 21.03 | 21.78 | 21.29 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 20 | 32 | 27 | 37 | 32 | 52 | 47 | 57 | 52 |
| 1SVI03-03 | 0.5 | 56C | 56C | 56C | 56C | 5.47 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 22.58 | 21.82 | 22.57 | 22.08 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 20 | 32 | 27 | 37 | 32 | 52 | 47 | 57 | 52 |
| 1SVI04-04 | 0.5 | 56C | 56C | 56C | 56C | 6.26 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 23.37 | 22.61 | 23.36 | 22.87 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 21 | 32 | 27 | 37 | 32 | 53 | 48 | 58 | 53 |
| 1SVI05-05 | 0.5 | 56C | 56C | 56C | 56C | 7.05 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 24.15 | 23.39 | 24.14 | 23.65 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 22 | 32 | 27 | 37 | 32 | 54 | 49 | 59 | 54 |
| 1SVI06-06 | 0.5 | 56C | 56C | 56C | 56C | 7.83 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 24.94 | 24.18 | 24.93 | 24.44 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 23 | 32 | 27 | 37 | 32 | 55 | 50 | 60 | 55 |
| 1SVI07-07 | 0.5 | 56C | 56C | 56C | 56C | 8.62 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 25.73 | 24.97 | 25.72 | 25.23 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 23 | 32 | 27 | 37 | 32 | 55 | 50 | 60 | 55 |
| 1SVI08-08 | 0.5 | 56C | 56C | 56C | 56C | 9.41 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 26.52 | 25.76 | 26.51 | 26.02 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 24 | 32 | 27 | 37 | 32 | 56 | 51 | 61 | 56 |
| 1SVI09-09 | 0.5 | 56C | 56C | 56C | 56C | 10.20 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 27.30 | 26.54 | 27.29 | 26.80 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 25 | 32 | 27 | 37 | 32 | 57 | 52 | 62 | 57 |
| 1SVI10-10 | 0.5 | 56C | 56C | 56C | 56C | 10.98 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 28.09 | 27.33 | 28.08 | 27.59 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 26 | 32 | 27 | 37 | 32 | 58 | 53 | 63 | 58 |
| 1SVI11-11 | 0.5 | 56C | 56C | 56C | 56C | 11.77 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 28.88 | 28.12 | 28.87 | 28.38 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 27 | 32 | 27 | 37 | 32 | 59 | 54 | 64 | 59 |
| 1SVI12-12 | 0.5 | 56C | 56C | 56C | 56C | 12.56 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 29.67 | 28.91 | 29.66 | 29.17 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 27 | 32 | 27 | 37 | 32 | 59 | 54 | 64 | 59 |
| 1SVI13-13 | 0.5 | 56C | 56C | 56C | 56C | 13.35 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 30.45 | 29.69 | 30.44 | 29.95 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 28 | 32 | 27 | 37 | 32 | 60 | 55 | 65 | 60 |
| 1SVI14-14 | 0.5 | 56C | 56C | 56C | 56C | 14.13 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 31.24 | 30.48 | 31.23 | 30.74 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 29 | 32 | 27 | 37 | 32 | 61 | 56 | 66 | 61 |
| 1SVI15-15 | 0.5 | 56C | 56C | 56C | 56C | 14.92 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 32.03 | 31.27 | 32.02 | 31.53 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 30 | 32 | 27 | 37 | 32 | 62 | 57 | 67 | 62 |
| 1SVI16-16 | 0.5 | 56C | 56C | 56C | 56C | 15.71 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 32.82 | 32.06 | 32.81 | 32.32 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 31 | 32 | 27 | 37 | 32 | 63 | 58 | 68 | 63 |
| 1SVI17-17 | 0.5 | 56C | 56C | 56C | 56C | 16.50 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 33.60 | 32.84 | 33.59 | 33.10 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 31 | 32 | 27 | 37 | 32 | 63 | 58 | 68 | 63 |
| 1SVI18-18 | 0.5 | 56C | 56C | 56C | 56C | 17.28 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 34.39 | 33.63 | 34.38 | 33.89 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 32 | 32 | 27 | 37 | 32 | 64 | 59 | 69 | 64 |
| 1SVI19-19 | 0.5 | 56C | 56C | 56C | 56C | 18.07 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 35.18 | 34.42 | 35.17 | 34.68 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 33 | 32 | 27 | 37 | 32 | 65 | 60 | 70 | 65 |
| 1SVI20-20 | 0.5 | 56C | 56C | 56C | 56C | 18.86 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 35.97 | 35.21 | 35.96 | 35.47 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 34 | 32 | 27 | 37 | 32 | 66 | 61 | 71 | 66 |
| 1SVI21-21 | 0.5 | 56C | 56C | 56C | 56C | 19.65 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 36.75 | 35.99 | 36.74 | 36.25 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 35 | 32 | 27 | 37 | 32 | 67 | 62 | 72 | 67 |
| 1SVI22-22 | 0.5 | 56C | 56C | 56C | 56C | 20.43 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 37.54 | 36.78 | 37.53 | 37.04 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 35 | 32 | 27 | 37 | 32 | 67 | 62 | 72 | 67 |
| 1SVI23-23 | 0.5 | 56C | 56C | 56C | 56C | 21.22 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 38.33 | 37.57 | 38.32 | 37.83 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 36 | 32 | 27 | 37 | 32 | 68 | 63 | 73 | 68 |
| 1SVI24-24 | 0.5 | 56C | 56C | 56C | 56C | 22.01 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 39.11 | 38.35 | 39.10 | 38.61 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 37 | 32 | 27 | 37 | 32 | 69 | 64 | 74 | 69 |
| 1SVI25-25 | 0.5 | 56C | 56C | 56C | 56C | 22.80 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 39.90 | 39.14 | 39.89 | 39.40 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 38 | 32 | 27 | 37 | 32 | 70 | 65 | 75 | 70 |
| 1SVI26-26 | 0.5 | 56C | 56C | 56C | 56C | 23.58 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 40.69 | 39.93 | 40.68 | 40.19 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 39 | 32 | 27 | 37 | 32 | 71 | 66 | 76 | 71 |
| 1SVI27-27 | 0.5 | 56C | 56C | 56C | 56C | 24.37 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 41.48 | 40.72 | 41.47 | 40.98 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 39 | 32 | 27 | 37 | 32 | 71 | 66 | 76 | 71 |
| 1SVI28-28 | 0.5 | 56C | 56C | 56C | 56C | 25.16 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 42.26 | 41.50 | 42.25 | 41.76 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 40 | 32 | 27 | 37 | 32 | 72 | 67 | 77 | 72 |
| 1SVI29-29 | 0.5 | 56C | 56C | 56C | 56C | 25.94 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 43.05 | 42.29 | 43.04 | 42.55 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 41 | 32 | 27 | 37 | 32 | 73 | 68 | 78 | 73 |
| 1SVI30-30 | 0.5 | 56C | 56C | 56C | 56C | 26.73 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 43.84 | 43.08 | 43.83 | 43.34 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 42 | 32 | 27 | 37 | 32 | 74 | 69 | 79 | 74 |

All listed dimensions are with Inducer, 1SVIE29-29 has 29 Stages with Impeller and 1 Inducer chamber.

DIMENSIONS AND WEIGHTS

3 e-SVI COUPLED, 1750 RPM



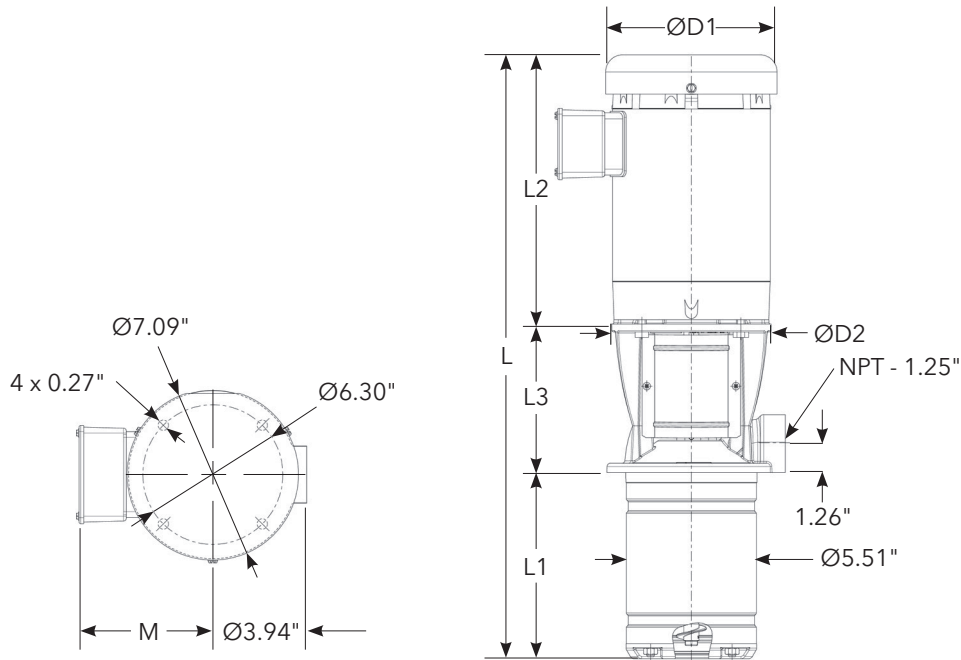
3 e-SVI SERIES – 60 Hz, 1750 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | |
|--------------------|-------|------------|---------|--------|---------|-----------------|--------|---------|--------|---------|------|--------|---------|--------|---------|-----------|---------|--------|---------|-----------|---------------|--------|---------|--------|---------|------------|---------|--------|---------|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø |
| 3SVI02-02 | 0.5 | 56C | 56C | 56C | 56C | 4.69 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 21.79 | 21.03 | 21.78 | 21.29 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 19 | 32 | 27 | 37 | 32 | 51 | 46 | 56 | 51 |
| 3SVI03-03 | 0.5 | 56C | 56C | 56C | 56C | 5.47 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 22.58 | 21.82 | 22.57 | 22.08 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 20 | 32 | 27 | 37 | 32 | 52 | 47 | 57 | 52 |
| 3SVI04-04 | 0.5 | 56C | 56C | 56C | 56C | 6.26 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 23.37 | 22.61 | 23.36 | 22.87 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 21 | 32 | 27 | 37 | 32 | 53 | 48 | 58 | 53 |
| 3SVI05-05 | 0.5 | 56C | 56C | 56C | 56C | 7.05 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 24.15 | 23.39 | 24.14 | 23.65 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 22 | 32 | 27 | 37 | 32 | 54 | 49 | 59 | 54 |
| 3SVI06-06 | 0.5 | 56C | 56C | 56C | 56C | 7.83 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 24.94 | 24.18 | 24.93 | 24.44 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 23 | 32 | 27 | 37 | 32 | 55 | 50 | 60 | 55 |
| 3SVI07-07 | 0.5 | 56C | 56C | 56C | 56C | 8.62 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 25.73 | 24.97 | 25.72 | 25.23 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 23 | 32 | 27 | 37 | 32 | 55 | 50 | 60 | 55 |
| 3SVI08-08 | 0.5 | 56C | 56C | 56C | 56C | 9.41 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 26.52 | 25.76 | 26.51 | 26.02 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 24 | 32 | 27 | 37 | 32 | 56 | 51 | 61 | 56 |
| 3SVI09-09 | 0.5 | 56C | 56C | 56C | 56C | 10.20 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 27.30 | 26.54 | 27.29 | 26.80 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 25 | 32 | 27 | 37 | 32 | 57 | 52 | 62 | 57 |
| 3SVI10-10 | 0.5 | 56C | 56C | 56C | 56C | 10.98 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 28.09 | 27.33 | 28.08 | 27.59 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 26 | 32 | 27 | 37 | 32 | 58 | 53 | 63 | 58 |
| 3SVI11-11 | 0.5 | 56C | 56C | 56C | 56C | 11.77 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 28.88 | 28.12 | 28.87 | 28.38 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 27 | 32 | 27 | 37 | 32 | 59 | 54 | 64 | 59 |
| 3SVI12-12 | 0.5 | 56C | 56C | 56C | 56C | 12.56 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 29.67 | 28.91 | 29.66 | 29.17 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 28 | 32 | 27 | 37 | 32 | 60 | 55 | 65 | 60 |
| 3SVI13-13 | 0.5 | 56C | 56C | 56C | 56C | 13.35 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 30.45 | 29.69 | 30.44 | 29.95 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 28 | 32 | 27 | 37 | 32 | 60 | 55 | 65 | 60 |
| 3SVI14-14 | 0.5 | 56C | 56C | 56C | 56C | 14.13 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 31.24 | 30.48 | 31.23 | 30.74 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 29 | 32 | 27 | 37 | 32 | 61 | 56 | 66 | 61 |
| 3SVI15-15 | 0.5 | 56C | 56C | 56C | 56C | 14.92 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 32.03 | 31.27 | 32.02 | 31.53 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 30 | 32 | 27 | 37 | 32 | 62 | 57 | 67 | 62 |
| 3SVI16-16 | 0.5 | 56C | 56C | 56C | 56C | 15.71 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 32.82 | 32.06 | 32.81 | 32.32 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 31 | 32 | 27 | 37 | 32 | 63 | 58 | 68 | 63 |
| 3SVI17-17 | 0.5 | 56C | 56C | 56C | 56C | 16.50 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 33.60 | 32.84 | 33.59 | 33.10 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 32 | 32 | 27 | 37 | 32 | 64 | 59 | 69 | 64 |
| 3SVI18-18 | 0.5 | 56C | 56C | 56C | 56C | 17.28 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 34.39 | 33.63 | 34.38 | 33.89 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 32 | 32 | 27 | 37 | 32 | 64 | 59 | 69 | 64 |
| 3SVI19-19 | 0.5 | 56C | 56C | 56C | 56C | 18.07 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 35.18 | 34.42 | 35.17 | 34.68 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 33 | 32 | 27 | 37 | 32 | 65 | 60 | 70 | 65 |
| 3SVI20-20 | 0.5 | 56C | 56C | 56C | 56C | 18.86 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 35.97 | 35.21 | 35.96 | 35.47 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 34 | 32 | 27 | 37 | 32 | 66 | 61 | 71 | 66 |
| 3SVI21-21 | 0.5 | 56C | 56C | 56C | 56C | 19.65 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 36.75 | 35.99 | 36.74 | 36.25 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 35 | 32 | 27 | 37 | 32 | 67 | 62 | 72 | 67 |
| 3SVI22-22 | 0.5 | 56C | 56C | 56C | 56C | 20.43 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 37.54 | 36.78 | 37.53 | 37.04 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 36 | 32 | 27 | 37 | 32 | 68 | 63 | 73 | 68 |
| 3SVI23-23 | 0.5 | 56C | 56C | 56C | 56C | 21.22 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 38.33 | 37.57 | 38.32 | 37.83 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 37 | 32 | 27 | 37 | 32 | 69 | 64 | 74 | 69 |
| 3SVI24-24 | 0.5 | 56C | 56C | 56C | 56C | 22.01 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 39.11 | 38.35 | 39.10 | 38.61 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 37 | 32 | 27 | 37 | 32 | 69 | 64 | 74 | 69 |
| 3SVI25-25 | 0.5 | 56C | 56C | 56C | 56C | 22.80 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 39.90 | 39.14 | 39.89 | 39.40 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 38 | 32 | 27 | 37 | 32 | 70 | 65 | 75 | 70 |
| 3SVI26-26 | 0.75 | 56C | 56C | 56C | 56C | 23.58 | 11.16 | 10.41 | 10.18 | 10.17 | 6.44 | 41.18 | 40.43 | 40.20 | 40.19 | 7.19 | 6.19 | 7.19 | 7.19 | 6.69 | 39 | 44 | 33 | 35 | 35 | 83 | 72 | 74 | 74 |
| 3SVI27-27 | 0.75 | 56C | 56C | 56C | 56C | 24.37 | 11.16 | 10.41 | 10.18 | 10.17 | 6.44 | 41.97 | 41.22 | 40.99 | 40.98 | 7.19 | 6.19 | 7.19 | 7.19 | 6.69 | 40 | 44 | 33 | 35 | 35 | 84 | 73 | 75 | 75 |
| 3SVI28-28 | 0.75 | 56C | 56C | 56C | 56C | 25.16 | 11.16 | 10.41 | 10.18 | 10.17 | 6.44 | 42.75 | 42.00 | 41.77 | 41.76 | 7.19 | 6.19 | 7.19 | 7.19 | 6.69 | 41 | 44 | 33 | 35 | 35 | 85 | 74 | 76 | 76 |
| 3SVI29-29 | 0.75 | 56C | 56C | 56C | 56C | 25.94 | 11.16 | 10.41 | 10.18 | 10.17 | 6.44 | 43.54 | 42.79 | 42.56 | 42.55 | 7.19 | 6.19 | 7.19 | 7.19 | 6.69 | 41 | 44 | 33 | 35 | 35 | 85 | 74 | 76 | 76 |
| 3SVI30-30 | 0.75 | 56C | 56C | 56C | 56C | 26.73 | 11.16 | 10.41 | 10.18 | 10.17 | 6.44 | 44.33 | 43.58 | 43.35 | 43.34 | 7.19 | 6.19 | 7.19 | 7.19 | 6.69 | 42 | 44 | 33 | 35 | 35 | 86 | 75 | 77 | 77 |

All listed dimensions are with Inducer, 3SVI23-23 has 23 Stages with Impeller and 1 Inducer chamber.

DIMENSIONS AND WEIGHTS

5 e-SVI COUPLED, 1750 RPM



5 e-SVI SERIES – 60 Hz, 1750 RPM ODP/TEFC Enclosures

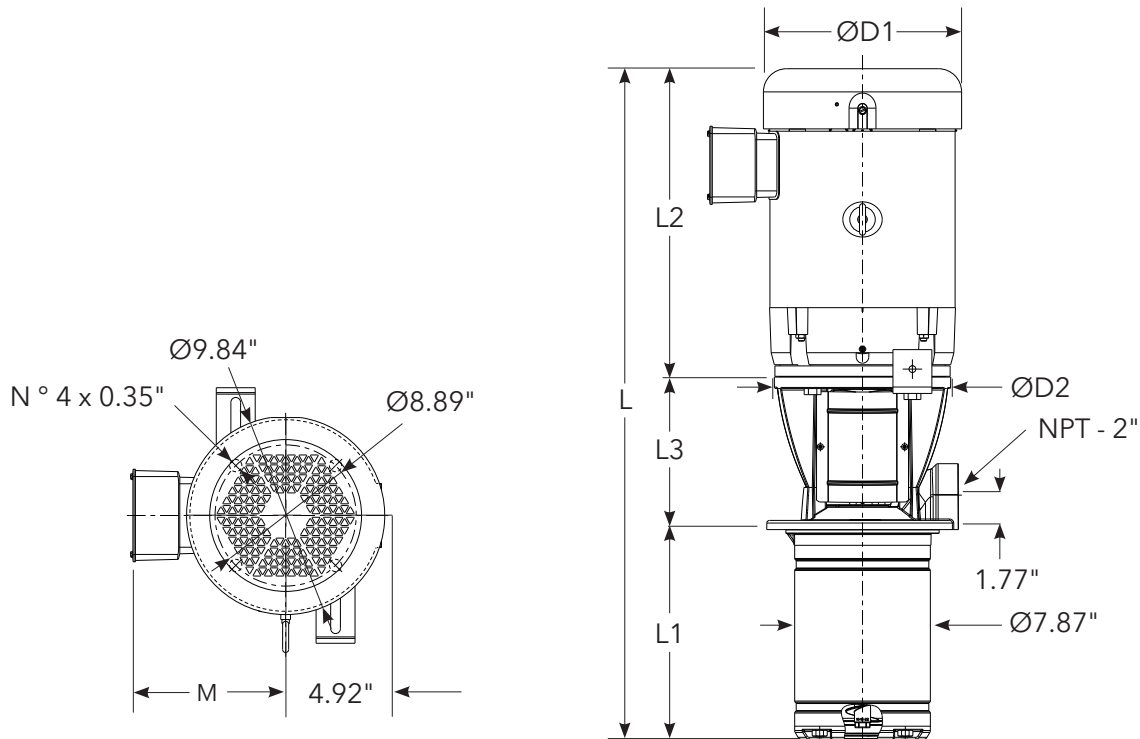
| PUMP CONFIGURATION | MOTOR | | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | |
|--------------------|-------|------------|---------|--------|---------|-----------------|--------|---------|--------|---------|------|--------|---------|--------|---------|-----------|---------|--------|---------|---------------|-----------|--------|---------|--------|---------|------------|---------|--------|---------|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | | | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 |
| 5SVI02-02 | 0.5 | 56C | 56C | 56C | 56C | 5.28 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 22.38 | 21.62 | 22.37 | 21.88 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 20 | 32 | 27 | 37 | 32 | 52 | 47 | 57 | 52 |
| 5SVI03-03 | 0.5 | 56C | 56C | 56C | 56C | 6.26 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 23.37 | 22.61 | 23.36 | 22.87 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 21 | 32 | 27 | 37 | 32 | 53 | 48 | 58 | 53 |
| 5SVI04-04 | 0.5 | 56C | 56C | 56C | 56C | 7.24 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 24.35 | 23.59 | 24.34 | 23.85 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 22 | 32 | 27 | 37 | 32 | 54 | 49 | 59 | 54 |
| 5SVI05-05 | 0.5 | 56C | 56C | 56C | 56C | 8.23 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 25.34 | 24.58 | 25.33 | 24.84 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 23 | 32 | 27 | 37 | 32 | 55 | 50 | 60 | 55 |
| 5SVI06-06 | 0.5 | 56C | 56C | 56C | 56C | 9.21 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 26.32 | 25.56 | 26.31 | 25.82 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 24 | 32 | 27 | 37 | 32 | 56 | 51 | 61 | 56 |
| 5SVI07-07 | 0.5 | 56C | 56C | 56C | 56C | 10.20 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 27.30 | 26.54 | 27.29 | 26.80 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 25 | 32 | 27 | 37 | 32 | 57 | 52 | 62 | 57 |
| 5SVI08-08 | 0.5 | 56C | 56C | 56C | 56C | 11.18 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 28.29 | 27.53 | 28.28 | 27.79 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 26 | 32 | 27 | 37 | 32 | 58 | 53 | 63 | 58 |
| 5SVI09-09 | 0.5 | 56C | 56C | 56C | 56C | 12.17 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 29.27 | 28.51 | 29.26 | 28.77 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 27 | 32 | 27 | 37 | 32 | 59 | 54 | 64 | 59 |
| 5SVI10-10 | 0.5 | 56C | 56C | 56C | 56C | 13.15 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 30.26 | 29.50 | 30.25 | 29.76 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 28 | 32 | 27 | 37 | 32 | 60 | 55 | 65 | 60 |
| 5SVI11-11 | 0.5 | 56C | 56C | 56C | 56C | 14.13 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 31.24 | 30.48 | 31.23 | 30.74 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 29 | 32 | 27 | 37 | 32 | 61 | 56 | 66 | 61 |
| 5SVI12-12 | 0.5 | 56C | 56C | 56C | 56C | 15.12 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 32.23 | 31.47 | 32.22 | 31.73 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 30 | 32 | 27 | 37 | 32 | 62 | 57 | 67 | 62 |
| 5SVI13-13 | 0.5 | 56C | 56C | 56C | 56C | 16.10 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 33.21 | 32.45 | 33.20 | 32.71 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 31 | 32 | 27 | 37 | 32 | 63 | 58 | 68 | 63 |
| 5SVI14-14 | 0.5 | 56C | 56C | 56C | 56C | 17.09 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 34.19 | 33.43 | 34.18 | 33.69 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 32 | 32 | 27 | 37 | 32 | 64 | 59 | 69 | 64 |
| 5SVI15-15 | 0.5 | 56C | 56C | 56C | 56C | 18.07 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 35.18 | 34.42 | 35.17 | 34.68 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 33 | 32 | 27 | 37 | 32 | 65 | 60 | 70 | 65 |
| 5SVI16-16 | 0.5 | 56C | 56C | 56C | 56C | 19.06 | 10.67 | 9.91 | 10.66 | 10.17 | 6.44 | 36.16 | 35.40 | 36.15 | 35.66 | 6.19 | 6.19 | 7.19 | 7.19 | 6.69 | 34 | 32 | 27 | 37 | 32 | 66 | 61 | 71 | 66 |
| 5SVI17-17 | 0.75 | 56C | 56C | 56C | 56C | 20.04 | 11.16 | 10.41 | 10.18 | 10.17 | 6.44 | 37.64 | 36.89 | 36.66 | 36.65 | 7.19 | 6.19 | 7.19 | 7.19 | 6.69 | 35 | 44 | 33 | 35 | 35 | 79 | 68 | 70 | 70 |
| 5SVI18-18 | 0.75 | 56C | 56C | 56C | 56C | 21.02 | 11.16 | 10.41 | 10.18 | 10.17 | 6.44 | 38.62 | 37.87 | 37.64 | 37.63 | 7.19 | 6.19 | 7.19 | 7.19 | 6.69 | 36 | 44 | 33 | 35 | 35 | 80 | 69 | 71 | 71 |
| 5SVI19-19 | 0.75 | 56C | 56C | 56C | 56C | 22.01 | 11.16 | 10.41 | 10.18 | 10.17 | 6.44 | 39.60 | 38.85 | 38.62 | 38.61 | 7.19 | 6.19 | 7.19 | 7.19 | 6.69 | 37 | 44 | 33 | 35 | 35 | 81 | 70 | 72 | 72 |
| 5SVI20-20 | 0.75 | 56C | 56C | 56C | 56C | 22.99 | 11.16 | 10.41 | 10.18 | 10.17 | 6.44 | 40.59 | 39.84 | 39.61 | 39.60 | 7.19 | 6.19 | 7.19 | 7.19 | 6.69 | 37 | 44 | 33 | 35 | 35 | 81 | 70 | 72 | 72 |
| 5SVI21-21 | 0.75 | 56C | 56C | 56C | 56C | 23.98 | 11.16 | 10.41 | 10.18 | 10.17 | 6.44 | 41.57 | 40.82 | 40.59 | 40.58 | 7.19 | 6.19 | 7.19 | 7.19 | 6.69 | 38 | 44 | 33 | 35 | 35 | 82 | 71 | 73 | 73 |
| 5SVI22-22 | 0.75 | 56C | 56C | 56C | 56C | 24.96 | 11.16 | 10.41 | 10.18 | 10.17 | 6.44 | 42.56 | 41.81 | 41.58 | 41.57 | 7.19 | 6.19 | 7.19 | 7.19 | 6.69 | 39 | 44 | 33 | 35 | 35 | 83 | 72 | 74 | 74 |
| 5SVI23-23 | 0.75 | 56C | 56C | 56C | 56C | 25.94 | 11.16 | 10.41 | 10.18 | 10.17 | 6.44 | 43.54 | 42.79 | 42.56 | 42.55 | 7.19 | 6.19 | 7.19 | 7.19 | 6.69 | 40 | 44 | 33 | 35 | 35 | 84 | 73 | 75 | 75 |
| 5SVI24-24 | 0.75 | 56C | 56C | 56C | 56C | 26.93 | 11.16 | 10.41 | 10.18 | 10.17 | 6.44 | 44.53 | 43.78 | 43.55 | 43.54 | 7.19 | 6.19 | 7.19 | 7.19 | 6.69 | 41 | 44 | 33 | 35 | 35 | 85 | 74 | 76 | 76 |
| 5SVI25-25 | 1 | 56C | 56C | 56C | 56C | 27.91 | 10.18 | 11.19 | 10.18 | 10.17 | 6.44 | 44.53 | 45.54 | 44.53 | 44.52 | 7.19 | 7.19 | 7.19 | 7.19 | 6.69 | 42 | 35 | 40 | 37 | 36 | 77 | 82 | 79 | 78 |
| 5SVI26-26 | 1 | 56C | 56C | 56C | 56C | 28.90 | 10.18 | 11.19 | 10.18 | 10.17 | 6.44 | 45.51 | 46.52 | 45.51 | 45.50 | 7.19 | 7.19 | 7.19 | 7.19 | 6.69 | 43 | 35 | 40 | 37 | 36 | 78 | 83 | 80 | 79 |
| 5SVI27-27 | 1 | 56C | 56C | 56C | 56C | 29.88 | 10.18 | 11.19 | 10.18 | 10.17 | 6.44 | 46.50 | 47.51 | 46.50 | 46.49 | 7.19 | 7.19 | 7.19 | 7.19 | 6.69 | 44 | 35 | 40 | 37 | 36 | 79 | 84 | 81 | 80 |

All listed dimensions are with Inducer, 5SVI24-24 has 24 Stages with Impeller and 1 Inducer chamber.

Commercial Water

DIMENSIONS AND WEIGHTS

10 e-SVI COUPLED, 1750 RPM



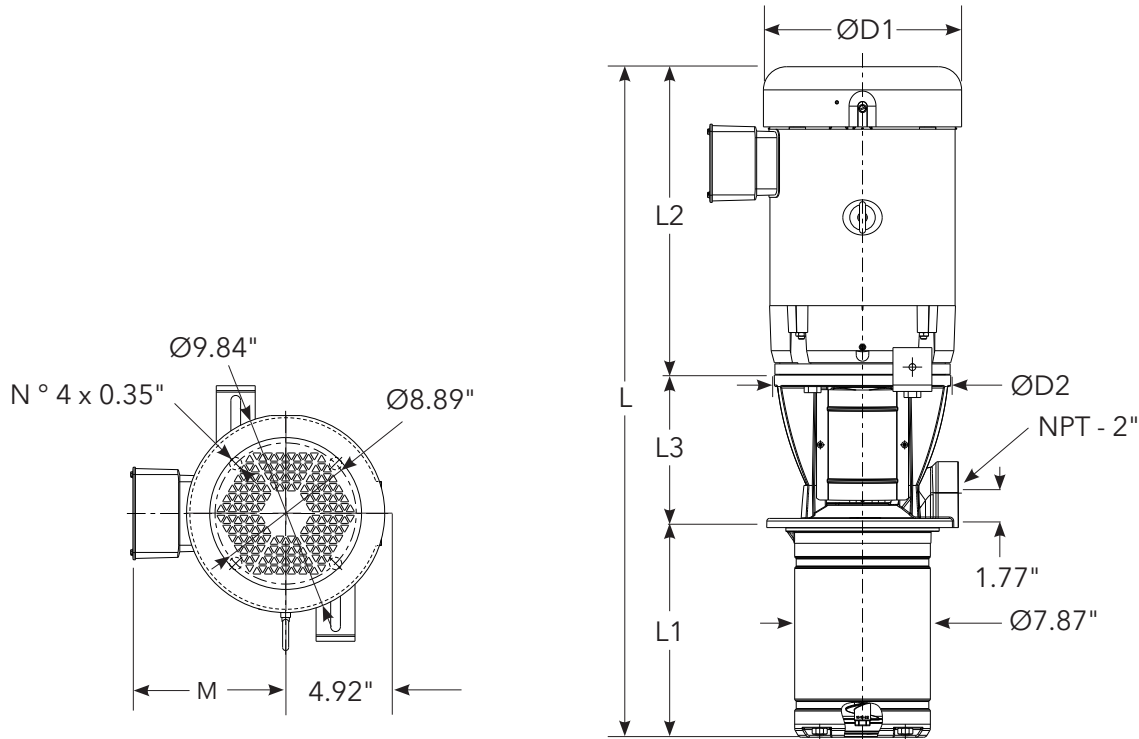
10 e-SVI SERIES – 60 Hz, 1750 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | | | |
|--------------------|-------|------------|---------|--------|---------|-----------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|-----------|---------------|--------|---------|-----------|-----------|--------|---------|--------|---------|------------|---------|--------|---------|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | | | | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø |
| 10SVI02-01 | 0.5 | 56C | 56C | 56C | 56C | 6.99 | 10.67 | 9.91 | 10.66 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 25.10 | 24.34 | 25.09 | 24.60 | 6.19 | 6.19 | 7.19 | 7.19 | 7.40 | 33 | 32 | 27 | 37 | 32 | 65 | 60 | 70 | 65 |
| 10SVI02-02 | 0.5 | 56C | 56C | 56C | 56C | 6.99 | 10.67 | 9.91 | 10.66 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 25.10 | 24.34 | 25.09 | 24.60 | 6.19 | 6.19 | 7.19 | 7.19 | 7.40 | 33 | 32 | 27 | 37 | 32 | 65 | 60 | 70 | 65 |
| 10SVI03-03 | 0.5 | 56C | 56C | 56C | 56C | 8.25 | 10.67 | 9.91 | 10.66 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 26.36 | 25.60 | 26.35 | 25.86 | 6.19 | 6.19 | 7.19 | 7.19 | 7.40 | 35 | 32 | 27 | 37 | 32 | 67 | 62 | 72 | 67 |
| 10SVI04-04 | 0.5 | 56C | 56C | 56C | 56C | 9.51 | 10.67 | 9.91 | 10.66 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 27.62 | 26.86 | 27.61 | 27.12 | 6.19 | 6.19 | 7.19 | 7.19 | 7.40 | 37 | 32 | 27 | 37 | 32 | 69 | 64 | 74 | 69 |
| 10SVI05-05 | 0.5 | 56C | 56C | 56C | 56C | 10.77 | 10.67 | 9.91 | 10.66 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 28.88 | 28.12 | 28.87 | 28.38 | 6.19 | 6.19 | 7.19 | 7.19 | 7.40 | 39 | 32 | 27 | 37 | 32 | 71 | 66 | 76 | 71 |
| 10SVI06-06 | 0.75 | 56C | 56C | 56C | 56C | 12.03 | 11.16 | 10.41 | 10.18 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 30.63 | 29.88 | 29.65 | 29.64 | 7.19 | 6.19 | 7.19 | 7.19 | 7.40 | 41 | 44 | 33 | 35 | 35 | 85 | 74 | 76 | 76 |
| 10SVI07-07 | 0.75 | 56C | 56C | 56C | 56C | 13.29 | 11.16 | 10.41 | 10.18 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 31.89 | 31.14 | 30.91 | 30.90 | 7.19 | 6.19 | 7.19 | 7.19 | 7.40 | 43 | 44 | 33 | 35 | 35 | 87 | 76 | 78 | 78 |
| 10SVI08-08 | 0.75 | 56C | 56C | 56C | 56C | 14.55 | 11.16 | 10.41 | 10.18 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 33.15 | 32.40 | 32.17 | 32.16 | 7.19 | 6.19 | 7.19 | 7.19 | 7.40 | 45 | 44 | 33 | 35 | 35 | 89 | 78 | 80 | 80 |
| 10SVI09-09 | 1 | 56C | 56C | 56C | 56C | 15.81 | 10.18 | 11.19 | 10.18 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 33.43 | 34.44 | 33.43 | 33.42 | 7.19 | 7.19 | 7.19 | 7.19 | 7.40 | 47 | 35 | 40 | 37 | 36 | 82 | 87 | 84 | 83 |
| 10SVI10-10 | 1 | 56C | 56C | 56C | 56C | 17.07 | 10.18 | 11.19 | 10.18 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 34.69 | 35.70 | 34.69 | 34.68 | 7.19 | 7.19 | 7.19 | 7.19 | 7.40 | 49 | 35 | 40 | 37 | 36 | 84 | 89 | 86 | 85 |
| 10SVI11-11 | 1.5 | 56C | 56C | 56C | 56C | 18.33 | 13.42 | 12.06 | 12.04 | 12.04 | 7.44 | 7.44 | 7.44 | 7.44 | 39.19 | 37.83 | 37.81 | 37.81 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 50 | 59 | 48 | 49 | 50 | 109 | 98 | 99 | 100 |
| 10SVI12-12 | 1.5 | 56C | 56C | 56C | 56C | 19.59 | 13.42 | 12.06 | 12.04 | 12.04 | 7.44 | 7.44 | 7.44 | 7.44 | 40.45 | 39.09 | 39.07 | 39.07 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 52 | 59 | 48 | 49 | 50 | 111 | 100 | 101 | 102 |
| 10SVI13-13 | 1.5 | 56C | 56C | 56C | 56C | 20.85 | 13.42 | 12.06 | 12.04 | 12.04 | 7.44 | 7.44 | 7.44 | 7.44 | 41.71 | 40.35 | 40.33 | 40.33 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 54 | 59 | 48 | 49 | 50 | 113 | 102 | 103 | 104 |
| 10SVI14-14 | 1.5 | 56C | 56C | 56C | 56C | 22.11 | 13.42 | 12.06 | 12.04 | 12.04 | 7.44 | 7.44 | 7.44 | 7.44 | 42.97 | 41.61 | 41.59 | 41.59 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 56 | 59 | 48 | 49 | 50 | 115 | 104 | 105 | 106 |
| 10SVI15-15 | 2 | 56C | 56C | 56C | 56C | 23.37 | 13.41 | 12.06 | 12.06 | 11.17 | 7.44 | 7.44 | 7.44 | 7.44 | 44.22 | 42.87 | 42.87 | 41.98 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 58 | 66 | 66 | 48 | 46 | 124 | 124 | 106 | 104 |
| 10SVI16-16 | 2 | 56C | 56C | 56C | 56C | 24.63 | 13.41 | 12.06 | 12.06 | 11.17 | 7.44 | 7.44 | 7.44 | 7.44 | 45.48 | 44.13 | 44.13 | 43.24 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 60 | 66 | 66 | 48 | 46 | 126 | 126 | 108 | 106 |
| 10SVI17-17 | 2 | 56C | 56C | 56C | 56C | 25.89 | 13.41 | 12.06 | 12.06 | 11.17 | 7.44 | 7.44 | 7.44 | 7.44 | 46.74 | 45.39 | 45.39 | 44.50 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 62 | 66 | 66 | 48 | 46 | 128 | 128 | 110 | 108 |
| 10SVI18-18 | 2 | 56C | 56C | 56C | 56C | 27.15 | 13.41 | 12.06 | 12.06 | 11.17 | 7.44 | 7.44 | 7.44 | 7.44 | 48.00 | 46.65 | 46.65 | 45.76 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 64 | 66 | 66 | 48 | 46 | 130 | 130 | 112 | 110 |
| 10SVI19-19 | 2 | 56C | 56C | 56C | 56C | 28.41 | 13.41 | 12.06 | 12.06 | 11.17 | 7.44 | 7.44 | 7.44 | 7.44 | 49.26 | 47.91 | 47.91 | 47.02 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 66 | 66 | 66 | 48 | 46 | 132 | 132 | 114 | 112 |
| 10SVI20-20 | 3 | 184TC | 184TC | 56C | 56C | 29.67 | 13.68 | 15.18 | 13.55 | 13.55 | 7.64 | 7.64 | 7.44 | 7.44 | 50.98 | 52.48 | 50.66 | 50.66 | 8.60 | 8.60 | 8.50 | 8.60 | 9.06 | 72 | 78 | 95 | 74 | 73 | 150 | 167 | 146 | 145 |

All listed dimensions are with Inducer, 10SVI15-15 has 15 Stages with Impeller and 1 Inducer chamber.

DIMENSIONS AND WEIGHTS

15 e-SVI COUPLED, 1750 RPM



15 e-SVI SERIES – 60 Hz, 1750 RPM ODP/TEFC Enclosures

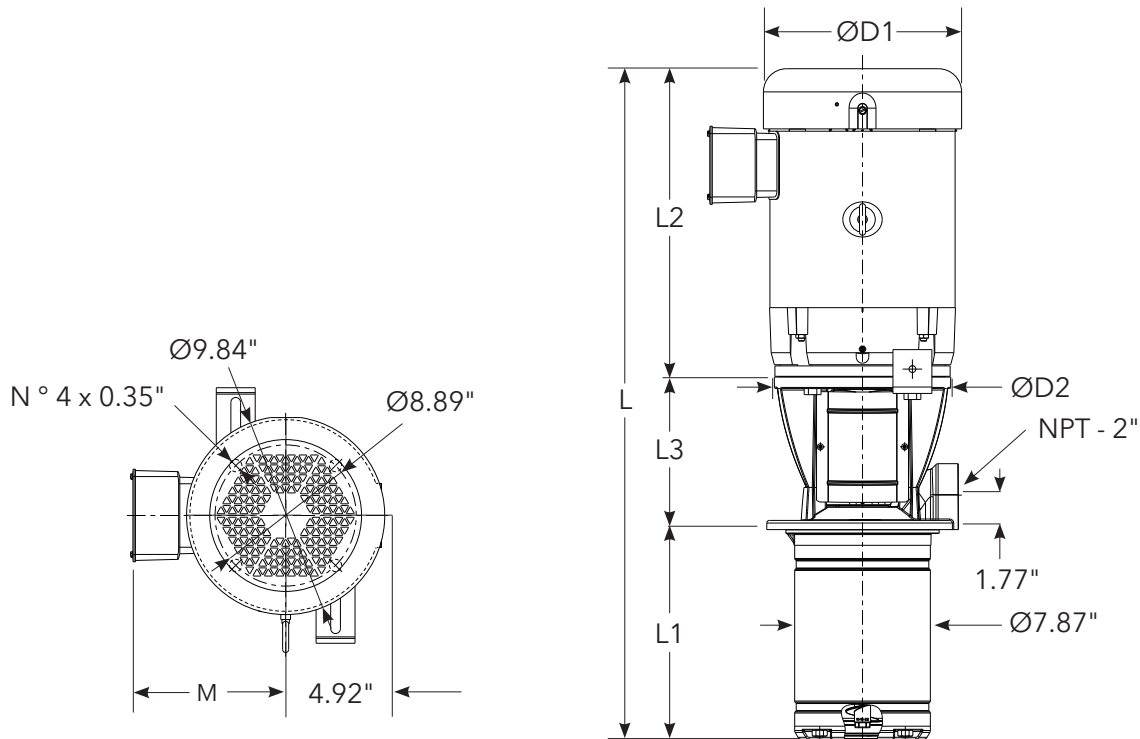
| PUMP CONFIGURATION | MOTOR | | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | |
|--------------------|-------|------------|---------|--------|---------|-----------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|-----------|---------|--------|---------------|-----------|-----------|--------|---------|--------|---------|------------|---------|--------|---------|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | | | | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø |
| 15SVI02-01 | 0.5 | 56C | 56C | 56C | 56C | 8.88 | 10.67 | 9.91 | 10.66 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 26.99 | 26.23 | 26.98 | 26.49 | 6.19 | 6.19 | 7.19 | 7.19 | 7.40 | 36 | 32 | 27 | 37 | 32 | 68 | 63 | 73 | 68 |
| 15SVI02-02 | 0.5 | 56C | 56C | 56C | 56C | 8.88 | 10.67 | 9.91 | 10.66 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 26.99 | 26.23 | 26.98 | 26.49 | 6.19 | 6.19 | 7.19 | 7.19 | 7.40 | 36 | 32 | 27 | 37 | 32 | 68 | 63 | 73 | 68 |
| 15SVI03-03 | 0.75 | 56C | 56C | 56C | 56C | 10.77 | 11.16 | 10.41 | 10.18 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 29.37 | 28.62 | 28.39 | 28.38 | 7.19 | 6.19 | 7.19 | 7.19 | 7.40 | 39 | 44 | 33 | 35 | 35 | 83 | 72 | 74 | 74 |
| 15SVI04-04 | 1 | 56C | 56C | 56C | 56C | 12.66 | 10.18 | 11.19 | 10.18 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 30.28 | 31.29 | 30.28 | 30.27 | 7.19 | 7.19 | 7.19 | 7.19 | 7.40 | 42 | 35 | 40 | 37 | 36 | 77 | 82 | 79 | 78 |
| 15SVI05-05 | 1 | 56C | 56C | 56C | 56C | 14.55 | 10.18 | 11.19 | 10.18 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 32.17 | 33.18 | 32.17 | 32.16 | 7.19 | 7.19 | 7.19 | 7.19 | 7.40 | 45 | 35 | 40 | 37 | 36 | 80 | 85 | 82 | 81 |
| 15SVI06-06 | 1.5 | 56C | 56C | 56C | 56C | 16.44 | 13.42 | 12.06 | 12.04 | 12.04 | 7.44 | 7.44 | 7.44 | 7.44 | 37.30 | 35.94 | 35.92 | 35.92 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 48 | 59 | 48 | 49 | 50 | 107 | 96 | 97 | 98 |
| 15SVI07-07 | 1.5 | 56C | 56C | 56C | 56C | 18.33 | 13.42 | 12.06 | 12.04 | 12.04 | 7.44 | 7.44 | 7.44 | 7.44 | 39.19 | 37.83 | 37.81 | 37.81 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 51 | 59 | 48 | 49 | 50 | 110 | 99 | 100 | 101 |
| 15SVI08-08 | 2 | 56C | 56C | 56C | 56C | 20.22 | 13.41 | 12.06 | 12.06 | 11.17 | 7.44 | 7.44 | 7.44 | 7.44 | 41.07 | 39.72 | 39.72 | 38.83 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 53 | 66 | 66 | 48 | 46 | 119 | 119 | 101 | 99 |
| 15SVI09-09 | 2 | 56C | 56C | 56C | 56C | 22.11 | 13.41 | 12.06 | 12.06 | 11.17 | 7.44 | 7.44 | 7.44 | 7.44 | 42.96 | 41.61 | 41.61 | 40.72 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 56 | 66 | 66 | 48 | 46 | 122 | 122 | 104 | 102 |
| 15SVI10-10 | 3 | 184TC | 184TC | 56C | 56C | 24.00 | 13.68 | 15.18 | 13.55 | 13.55 | 7.64 | 7.64 | 7.44 | 7.44 | 45.31 | 46.81 | 44.99 | 44.99 | 8.60 | 8.60 | 8.50 | 8.60 | 9.06 | 63 | 78 | 95 | 74 | 73 | 141 | 158 | 137 | 136 |
| 15SVI11-11 | 3 | 184TC | 184TC | 56C | 56C | 25.89 | 13.68 | 15.18 | 13.55 | 13.55 | 7.64 | 7.64 | 7.44 | 7.44 | 47.20 | 48.70 | 46.88 | 46.88 | 8.60 | 8.60 | 8.50 | 8.60 | 9.06 | 65 | 78 | 95 | 74 | 73 | 143 | 160 | 139 | 138 |
| 15SVI12-12 | 3 | 184TC | 184TC | 56C | 56C | 27.78 | 13.68 | 15.18 | 13.55 | 13.55 | 7.64 | 7.64 | 7.44 | 7.44 | 49.09 | 50.59 | 48.77 | 48.77 | 8.60 | 8.60 | 8.50 | 8.60 | 9.06 | 68 | 78 | 95 | 74 | 73 | 146 | 163 | 142 | 141 |
| 15SVI13-13 | 3 | 184TC | 184TC | 56C | 56C | 29.67 | 13.68 | 15.18 | 13.55 | 13.55 | 7.64 | 7.64 | 7.44 | 7.44 | 50.98 | 52.48 | 50.66 | 50.66 | 8.60 | 8.60 | 8.50 | 8.60 | 9.06 | 71 | 78 | 95 | 74 | 73 | 149 | 166 | 145 | 144 |
| 15SVI14-14 | 3 | 184TC | 184TC | 56C | 56C | 31.56 | 13.68 | 15.18 | 13.55 | 13.55 | 7.64 | 7.64 | 7.44 | 7.44 | 52.87 | 54.37 | 52.55 | 52.55 | 8.60 | 8.60 | 8.50 | 8.60 | 9.06 | 74 | 78 | 95 | 74 | 73 | 152 | 169 | 148 | 147 |
| 15SVI15-15 | 5 | 184TC | 184TC | 184TC | 184TC | 33.44 | 13.68 | 15.18 | 16.14 | 15.18 | 7.64 | 7.64 | 7.64 | 7.64 | 54.76 | 56.26 | 57.22 | 56.26 | 8.6 | 8.6 | 8.60 | 8.60 | 9.06 | 77 | 81 | 97 | 96 | 88 | 158 | 174 | 173 | 165 |

All listed dimensions are with Inducer, 15SVI11-11 has 11 Stages with Impeller and 1 Inducer chamber.

Commercial Water

DIMENSIONS AND WEIGHTS

22 e-SVI COUPLED, 1750 RPM



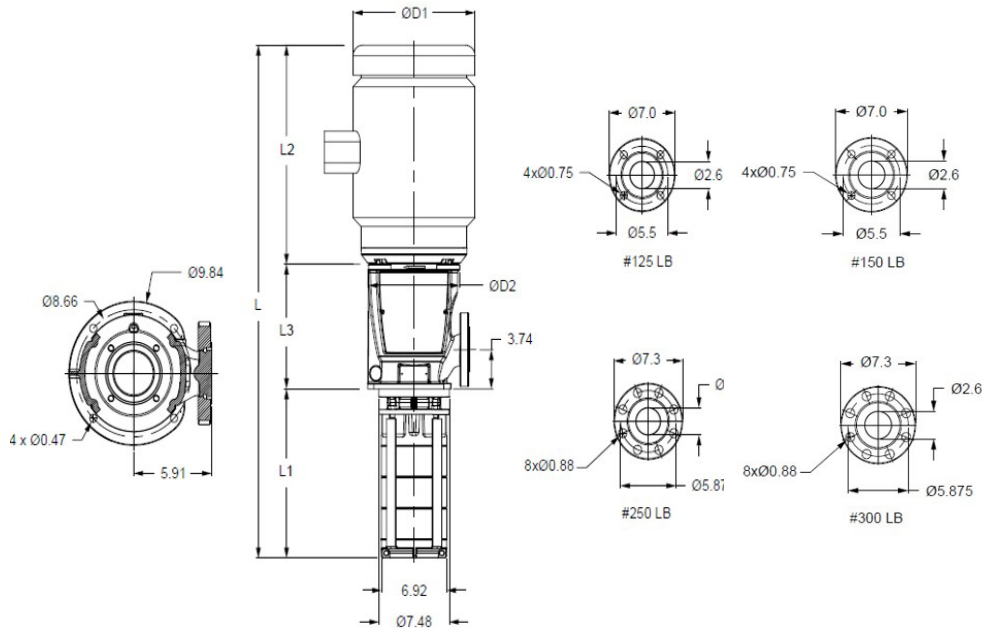
22 e-SVI SERIES – 60 Hz, 1750 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | | | |
|--------------------|-------|------------|---------|--------|---------|-----------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|-----------|---------------|--------|---------|-----------|-----------|--------|---------|--------|---------|------------|---------|--------|---------|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | | | | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | | | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 |
| 22SVI02-01 | 0.5 | 56C | 56C | 56C | 56C | 8.88 | 10.67 | 9.91 | 10.66 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 26.99 | 26.23 | 26.98 | 26.49 | 6.19 | 6.19 | 7.19 | 7.19 | 7.40 | 36 | 32 | 27 | 37 | 32 | 68 | 63 | 73 | 68 |
| 22SVI02-02 | 0.5 | 56C | 56C | 56C | 56C | 8.88 | 10.67 | 9.91 | 10.66 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 26.99 | 26.23 | 26.98 | 26.49 | 6.19 | 6.19 | 7.19 | 7.19 | 7.40 | 36 | 32 | 27 | 37 | 32 | 68 | 63 | 73 | 68 |
| 22SVI03-03 | 0.75 | 56C | 56C | 56C | 56C | 10.77 | 11.16 | 10.41 | 10.18 | 10.17 | 7.44 | 7.44 | 7.44 | 7.44 | 29.37 | 28.62 | 28.39 | 28.38 | 7.19 | 6.19 | 7.19 | 7.19 | 7.40 | 39 | 44 | 33 | 35 | 35 | 83 | 72 | 74 | 74 |
| 22SVI04-04 | 1.5 | 56C | 56C | 56C | 56C | 12.66 | 13.42 | 12.06 | 12.04 | 12.04 | 7.44 | 7.44 | 7.44 | 7.44 | 33.52 | 32.16 | 32.14 | 32.14 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 42 | 59 | 48 | 49 | 50 | 101 | 90 | 91 | 92 |
| 22SVI05-05 | 1.5 | 56C | 56C | 56C | 56C | 14.55 | 13.42 | 12.06 | 12.04 | 12.04 | 7.44 | 7.44 | 7.44 | 7.44 | 35.41 | 34.05 | 34.03 | 34.03 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 45 | 59 | 48 | 49 | 50 | 104 | 93 | 94 | 95 |
| 22SVI06-06 | 2 | 56C | 56C | 56C | 56C | 16.44 | 13.41 | 12.06 | 12.06 | 11.17 | 7.44 | 7.44 | 7.44 | 7.44 | 37.29 | 35.94 | 35.94 | 35.05 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 48 | 66 | 66 | 48 | 46 | 114 | 114 | 96 | 94 |
| 22SVI07-07 | 2 | 56C | 56C | 56C | 56C | 18.33 | 13.41 | 12.06 | 12.06 | 11.17 | 7.44 | 7.44 | 7.44 | 7.44 | 39.18 | 37.83 | 37.83 | 36.94 | 7.19 | 7.19 | 7.21 | 7.19 | 7.40 | 51 | 66 | 66 | 48 | 46 | 117 | 117 | 99 | 97 |
| 22SVI08-08 | 3 | 184TC | 184TC | 56C | 56C | 20.22 | 13.68 | 15.18 | 13.55 | 13.55 | 7.64 | 7.64 | 7.44 | 7.44 | 41.53 | 43.03 | 41.21 | 41.21 | 8.60 | 8.60 | 8.50 | 8.60 | 9.06 | 57 | 78 | 95 | 74 | 73 | 135 | 152 | 131 | 130 |
| 22SVI09-09 | 3 | 184TC | 184TC | 56C | 56C | 22.11 | 13.68 | 15.18 | 13.55 | 13.55 | 7.64 | 7.64 | 7.44 | 7.44 | 43.42 | 44.92 | 43.10 | 43.10 | 8.60 | 8.60 | 8.50 | 8.60 | 9.06 | 60 | 78 | 95 | 74 | 73 | 138 | 155 | 134 | 133 |
| 22SVI10-10 | 3 | 184TC | 184TC | 56C | 56C | 24.00 | 13.68 | 15.18 | 13.55 | 13.55 | 7.64 | 7.64 | 7.44 | 7.44 | 45.31 | 46.81 | 44.99 | 44.99 | 8.60 | 8.60 | 8.50 | 8.60 | 9.06 | 63 | 78 | 95 | 74 | 73 | 141 | 158 | 137 | 136 |
| 22SVI11-11 | 3 | 184TC | 184TC | 56C | 56C | 25.89 | 13.68 | 15.18 | 13.55 | 13.55 | 7.64 | 7.64 | 7.44 | 7.44 | 47.20 | 48.70 | 46.88 | 46.88 | 8.60 | 8.60 | 8.50 | 8.60 | 9.06 | 66 | 78 | 95 | 74 | 73 | 144 | 161 | 140 | 139 |
| 22SVI12-12 | 5 | 184TC | 184TC | 184TC | 184TC | 27.78 | 13.68 | 15.18 | 16.14 | 15.18 | 7.64 | 7.64 | 7.64 | 7.64 | 49.09 | 50.59 | 51.55 | 50.59 | 8.60 | 8.60 | 8.60 | 8.60 | 9.06 | 68 | 81 | 97 | 96 | 88 | 149 | 165 | 164 | 156 |

All listed dimensions are with Inducer, 22SVI11-11 has 11 Stages with Impeller and 1 Inducer chamber.

DIMENSIONS AND WEIGHTS

33 e-SVI COUPLED, 1750 RPM



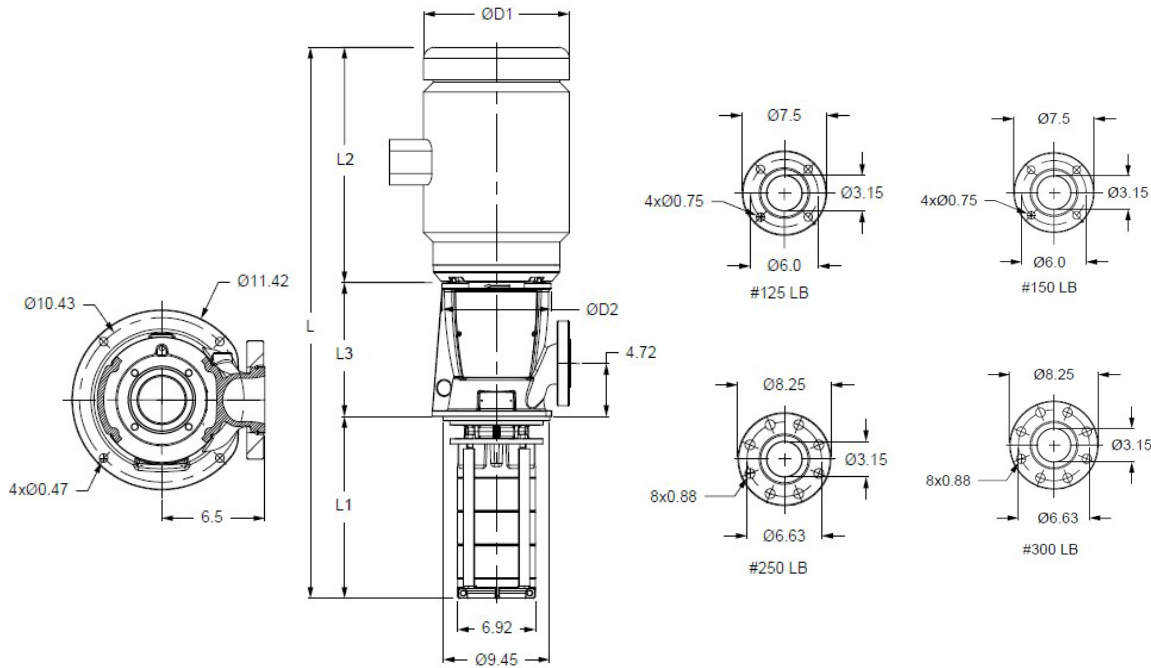
33 e-SVI SERIES – 60 Hz, 1750 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | | DIMENSIONS (IN) | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | |
|--------------------|-------|------------|---------|--------|---------|-----------------|--------|---------|--------|---------|-------|--------|---------|--------|---------|-----------|---------|--------|---------------|-----------|-----------|--------|---------|--------|---------|------------|---------|--------|---------|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø |
| 33SVI01-01 | 1.0 | - | - | 182TC | 182TC | 10.12 | - | - | 13.94 | 15.44 | 11.89 | - | - | 35.95 | 37.45 | - | - | 8.50 | 8.50 | 9.68 | 46 | - | - | 61 | 62 | - | - | 107 | 108 |
| 33SVI02-02 | 1.5 | - | - | 182TC | 182TC | 13.07 | - | - | 13.94 | 15.44 | 11.89 | - | - | 38.90 | 40.40 | - | - | 8.50 | 8.50 | 9.68 | 48 | - | - | 61 | 62 | - | - | 109 | 110 |
| 33SVI03-03 | 2.0 | - | - | 182TC | 182TC | 16.02 | - | - | 13.94 | 15.44 | 11.89 | - | - | 41.85 | 43.35 | - | - | 8.50 | 8.50 | 9.68 | 51 | - | - | 61 | 62 | - | - | 112 | 113 |
| 33SVI04-04-2 | 3.0 | - | - | 182TC | 182TC | 18.98 | - | - | 13.94 | 15.44 | 11.89 | - | - | 44.81 | 46.31 | - | - | 8.50 | 8.50 | 9.68 | 54 | - | - | 61 | 62 | - | - | 115 | 116 |
| 33SVI04-04-1 | 3.0 | - | - | 182TC | 182TC | 18.98 | - | - | 13.94 | 15.44 | 11.89 | - | - | 44.81 | 46.31 | - | - | 8.50 | 8.50 | 9.68 | 54 | - | - | 61 | 62 | - | - | 115 | 116 |
| 33SVI04-04 | 3.0 | - | - | 182TC | 182TC | 18.98 | - | - | 13.94 | 15.44 | 11.89 | - | - | 44.81 | 46.31 | - | - | 8.50 | 8.50 | 9.68 | 54 | - | - | 61 | 62 | - | - | 115 | 116 |
| 33SVI05-05-2 | 3.0 | - | - | 182TC | 182TC | 21.93 | - | - | 13.94 | 15.44 | 11.89 | - | - | 47.76 | 49.26 | - | - | 8.50 | 8.50 | 9.68 | 57 | - | - | 61 | 62 | - | - | 118 | 119 |
| 33SVI05-05-1 | 3.0 | - | - | 182TC | 182TC | 21.93 | - | - | 13.94 | 15.44 | 11.89 | - | - | 47.76 | 49.26 | - | - | 8.50 | 8.50 | 9.68 | 57 | - | - | 61 | 62 | - | - | 118 | 119 |
| 33SVI05-05 | 5.0 | - | - | 184TC | 184TC | 21.93 | - | - | 13.94 | 15.44 | 11.89 | - | - | 47.76 | 49.26 | - | - | 8.50 | 8.50 | 9.68 | 57 | - | - | 68 | 75 | - | - | 125 | 132 |
| 33SVI06-06-2 | 5.0 | - | - | 184TC | 184TC | 24.88 | - | - | 13.94 | 15.44 | 11.89 | - | - | 50.71 | 52.21 | - | - | 8.50 | 8.50 | 9.68 | 60 | - | - | 68 | 75 | - | - | 128 | 135 |
| 33SVI06-06-1 | 5.0 | - | - | 184TC | 184TC | 24.88 | - | - | 13.94 | 15.44 | 11.89 | - | - | 50.71 | 52.21 | - | - | 8.50 | 8.50 | 9.68 | 60 | - | - | 68 | 75 | - | - | 128 | 135 |
| 33SVI06-06 | 5.0 | - | - | 184TC | 184TC | 24.88 | - | - | 13.94 | 15.44 | 11.89 | - | - | 50.71 | 52.21 | - | - | 8.50 | 8.50 | 9.68 | 60 | - | - | 68 | 75 | - | - | 128 | 135 |
| 33SVI07-07-2 | 5.0 | - | - | 184TC | 184TC | 27.83 | - | - | 13.94 | 15.44 | 11.89 | - | - | 53.66 | 55.16 | - | - | 8.50 | 8.50 | 9.68 | 63 | - | - | 68 | 75 | - | - | 131 | 138 |
| 33SVI07-07-1 | 5.0 | - | - | 184TC | 184TC | 27.83 | - | - | 13.94 | 15.44 | 11.89 | - | - | 53.66 | 55.16 | - | - | 8.50 | 8.50 | 9.68 | 63 | - | - | 68 | 75 | - | - | 131 | 138 |
| 33SVI07-07 | 5.0 | - | - | 184TC | 184TC | 27.83 | - | - | 13.94 | 15.44 | 11.89 | - | - | 53.66 | 55.16 | - | - | 8.50 | 8.50 | 9.68 | 63 | - | - | 68 | 75 | - | - | 131 | 138 |
| 33SVI08-08-2 | 5.0 | - | - | 184TC | 184TC | 30.79 | - | - | 13.94 | 15.44 | 11.89 | - | - | 56.62 | 58.12 | - | - | 8.50 | 8.50 | 9.68 | 66 | - | - | 68 | 75 | - | - | 134 | 141 |
| 33SVI08-08-1 | 5.0 | - | - | 184TC | 184TC | 30.79 | - | - | 13.94 | 15.44 | 11.89 | - | - | 56.62 | 58.12 | - | - | 8.50 | 8.50 | 9.68 | 66 | - | - | 68 | 75 | - | - | 134 | 141 |
| 33SVI08-08 | 5.0 | - | - | 184TC | 184TC | 30.79 | - | - | 13.94 | 15.44 | 11.89 | - | - | 56.62 | 58.12 | - | - | 8.50 | 8.50 | 9.68 | 66 | - | - | 68 | 75 | - | - | 134 | 141 |
| 33SVI09-09-2 | 7.5 | - | - | 213TC | 213TC | 33.74 | - | - | 15.56 | 15.50 | 11.89 | - | - | 61.19 | 61.13 | - | - | 10.19 | 10.25 | 9.68 | 69 | - | - | 122 | 125 | - | - | 191 | 194 |
| 33SVI09-09-1 | 7.5 | - | - | 213TC | 213TC | 33.74 | - | - | 15.56 | 15.50 | 11.89 | - | - | 61.19 | 61.13 | - | - | 10.19 | 10.25 | 9.68 | 69 | - | - | 122 | 125 | - | - | 191 | 194 |
| 33SVI09-09 | 7.5 | - | - | 213TC | 213TC | 33.74 | - | - | 15.56 | 15.50 | 11.89 | - | - | 61.19 | 61.13 | - | - | 10.19 | 10.25 | 9.68 | 69 | - | - | 122 | 125 | - | - | 191 | 194 |
| 33SVI10-10-2 | 7.5 | - | - | 213TC | 213TC | 36.69 | - | - | 15.56 | 15.50 | 11.89 | - | - | 64.14 | 64.08 | - | - | 10.19 | 10.25 | 9.68 | 72 | - | - | 122 | 125 | - | - | 194 | 197 |
| 33SVI10-10-1 | 7.5 | - | - | 213TC | 213TC | 36.69 | - | - | 15.56 | 15.50 | 11.89 | - | - | 64.14 | 64.08 | - | - | 10.19 | 10.25 | 9.68 | 72 | - | - | 122 | 125 | - | - | 194 | 197 |
| 33SVI10-10 | 7.5 | - | - | 213TC | 213TC | 36.69 | - | - | 15.56 | 15.50 | 11.89 | - | - | 64.14 | 64.08 | - | - | 10.19 | 10.25 | 9.68 | 72 | - | - | 122 | 125 | - | - | 194 | 197 |

SVI04-04 has 4 stages with Impeller. SVI04-04-1 has 4 Stages with Impeller, one Impeller has a reduced diameter.

DIMENSIONS AND WEIGHTS

46 e-SVI COUPLED, 1750 RPM



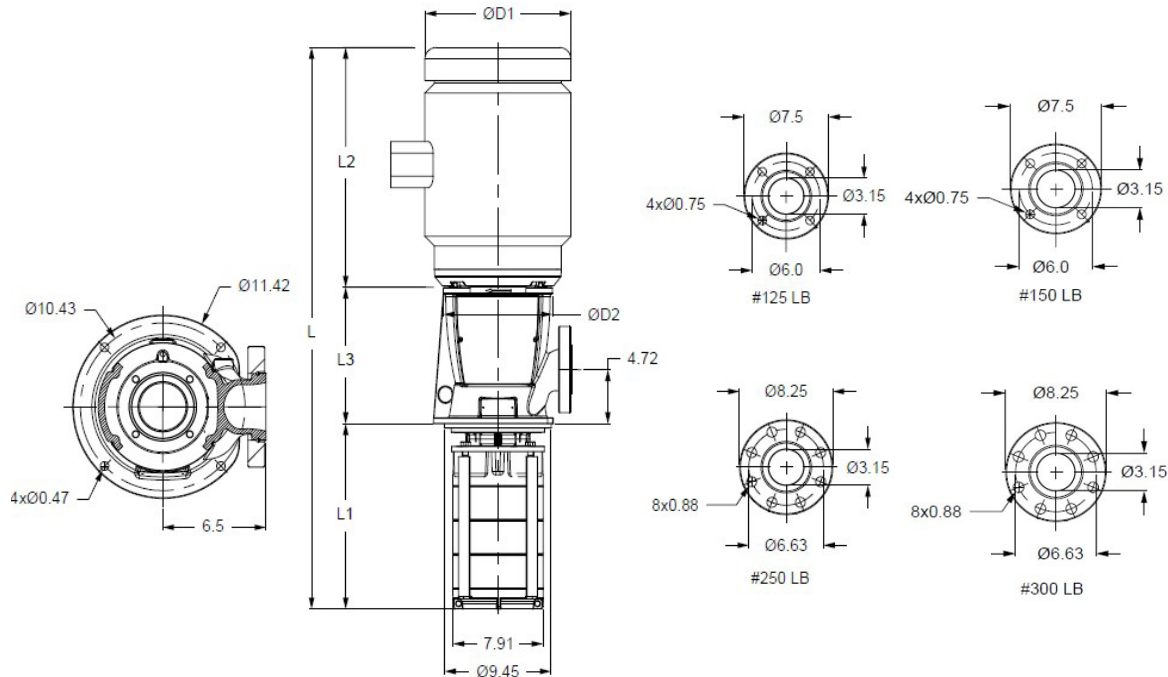
46 e-SVI SERIES – 60 Hz, 1750 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | |
|--------------------|-------|------------|---------|--------|-----------------|---------|--------|---------|--------|-------|---------|--------|---------|--------|-----------|--------|---------|--------|-----------|---------------|---------|--------|---------|--------|------------|--------|---------|--------|---------|
| | HP | NEMA FRAME | | | L1 | L2 | | | | L3 | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | | |
| | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | | | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø |
| 46SVI01-01 | 1 | - | - | 182TC | 182TC | 10.12 | - | - | 13.94 | 15.44 | 11.89 | - | - | 35.95 | 37.45 | - | - | 8.50 | 8.50 | 9.68 | 50 | - | - | 61 | 62 | - | - | 111 | 112 |
| 46SVI02-02 | 2 | - | - | 182TC | 182TC | 13.07 | - | - | 13.94 | 15.44 | 11.89 | - | - | 38.90 | 40.40 | - | - | 8.50 | 8.50 | 9.68 | 53 | - | - | 61 | 62 | - | - | 114 | 115 |
| 46SVI03-03-2 | 3 | - | - | 182TC | 182TC | 16.02 | - | - | 13.94 | 15.44 | 11.89 | - | - | 41.85 | 43.35 | - | - | 8.50 | 8.50 | 9.68 | 56 | - | - | 61 | 62 | - | - | 117 | 118 |
| 46SVI03-03-1 | 3 | - | - | 182TC | 182TC | 16.02 | - | - | 13.94 | 15.44 | 11.89 | - | - | 41.85 | 43.35 | - | - | 8.50 | 8.50 | 9.68 | 56 | - | - | 61 | 62 | - | - | 117 | 118 |
| 46SVI03-03 | 3 | - | - | 182TC | 182TC | 16.02 | - | - | 13.94 | 15.44 | 11.89 | - | - | 41.85 | 43.35 | - | - | 8.50 | 8.50 | 9.68 | 56 | - | - | 61 | 62 | - | - | 117 | 118 |
| 46SVI04-04-2 | 5 | - | - | 184TC | 184TC | 18.98 | - | - | 13.94 | 15.44 | 11.89 | - | - | 44.81 | 46.31 | - | - | 8.50 | 8.50 | 9.68 | 59 | - | - | 68 | 75 | - | - | 127 | 134 |
| 46SVI04-04-1 | 5 | - | - | 184TC | 184TC | 18.98 | - | - | 13.94 | 15.44 | 11.89 | - | - | 44.81 | 46.31 | - | - | 8.50 | 8.50 | 9.68 | 59 | - | - | 68 | 75 | - | - | 127 | 134 |
| 46SVI04-04 | 5 | - | - | 184TC | 184TC | 18.98 | - | - | 13.94 | 15.44 | 11.89 | - | - | 44.81 | 46.31 | - | - | 8.50 | 8.50 | 9.68 | 59 | - | - | 68 | 75 | - | - | 127 | 134 |
| 46SVI05-05-2 | 5 | - | - | 184TC | 184TC | 21.93 | - | - | 13.94 | 15.44 | 11.89 | - | - | 47.76 | 49.26 | - | - | 8.50 | 8.50 | 9.68 | 62 | - | - | 68 | 75 | - | - | 130 | 137 |
| 46SVI05-05-1 | 5 | - | - | 184TC | 184TC | 21.93 | - | - | 13.94 | 15.44 | 11.89 | - | - | 47.76 | 49.26 | - | - | 8.50 | 8.50 | 9.68 | 62 | - | - | 68 | 75 | - | - | 130 | 137 |
| 46SVI05-05 | 5 | - | - | 184TC | 184TC | 21.93 | - | - | 13.94 | 15.44 | 11.89 | - | - | 47.76 | 49.26 | - | - | 8.50 | 8.50 | 9.68 | 62 | - | - | 68 | 75 | - | - | 130 | 137 |
| 46SVI06-06-02 | 5 | - | - | 184TC | 184TC | 24.88 | - | - | 13.94 | 15.44 | 11.89 | - | - | 50.71 | 52.21 | - | - | 8.50 | 8.50 | 9.68 | 65 | - | - | 68 | 75 | - | - | 133 | 140 |
| 46SVI06-06-01 | 7.5 | - | - | 213TC | 213TC | 24.88 | - | - | 15.56 | 15.50 | 11.89 | - | - | 52.33 | 52.27 | - | - | 10.19 | 10.25 | 9.68 | 65 | - | - | 122 | 125 | - | - | 187 | 190 |
| 46SVI06-06 | 7.5 | - | - | 213TC | 213TC | 24.88 | - | - | 15.56 | 15.50 | 11.89 | - | - | 52.33 | 52.27 | - | - | 10.19 | 10.25 | 9.68 | 65 | - | - | 122 | 125 | - | - | 187 | 190 |
| 46SVI07-07-02 | 7.5 | - | - | 213TC | 213TC | 27.83 | - | - | 15.56 | 15.50 | 11.89 | - | - | 55.28 | 55.22 | - | - | 10.19 | 10.25 | 9.68 | 68 | - | - | 122 | 125 | - | - | 190 | 193 |
| 46SVI07-07-01 | 7.5 | - | - | 213TC | 213TC | 27.83 | - | - | 15.56 | 15.50 | 11.89 | - | - | 55.28 | 55.22 | - | - | 10.19 | 10.25 | 9.68 | 68 | - | - | 122 | 125 | - | - | 190 | 193 |
| 46SVI07-07 | 7.5 | - | - | 213TC | 213TC | 27.83 | - | - | 15.56 | 15.50 | 11.89 | - | - | 55.28 | 55.22 | - | - | 10.19 | 10.25 | 9.68 | 68 | - | - | 122 | 125 | - | - | 190 | 193 |
| 46SVI08-08-02 | 7.5 | - | - | 213TC | 213TC | 30.79 | - | - | 15.56 | 15.50 | 11.89 | - | - | 58.24 | 58.18 | - | - | 10.19 | 10.25 | 9.68 | 71 | - | - | 122 | 125 | - | - | 193 | 196 |
| 46SVI08-08-01 | 7.5 | - | - | 213TC | 213TC | 30.79 | - | - | 15.56 | 15.50 | 11.89 | - | - | 58.24 | 58.18 | - | - | 10.19 | 10.25 | 9.68 | 71 | - | - | 122 | 125 | - | - | 193 | 196 |
| 46SVI08-08 | 7.5 | - | - | 213TC | 213TC | 30.79 | - | - | 15.56 | 15.50 | 11.89 | - | - | 58.24 | 58.18 | - | - | 10.19 | 10.25 | 9.68 | 71 | - | - | 122 | 125 | - | - | 193 | 196 |
| 46SVI09-09-02 | 7.5 | - | - | 213TC | 213TC | 33.74 | - | - | 15.56 | 15.50 | 11.89 | - | - | 61.19 | 61.13 | - | - | 10.19 | 10.25 | 9.68 | 74 | - | - | 122 | 125 | - | - | 196 | 199 |
| 46SVI09-09-01 | 10 | - | - | 215TC | 215TC | 33.74 | - | - | 15.56 | 15.50 | 11.89 | - | - | 61.19 | 61.13 | - | - | 10.19 | 10.25 | 9.68 | 74 | - | - | 125 | 129 | - | - | 199 | 203 |
| 46SVI09-09 | 10 | - | - | 215TC | 215TC | 33.74 | - | - | 15.56 | 15.50 | 11.89 | - | - | 61.19 | 61.13 | - | - | 10.19 | 10.25 | 9.68 | 74 | - | - | 125 | 129 | - | - | 199 | 203 |
| 46SVI10-10-02 | 10 | - | - | 215TC | 215TC | 36.69 | - | - | 15.56 | 15.50 | 11.89 | - | - | 64.14 | 64.08 | - | - | 10.19 | 10.25 | 9.68 | 77 | - | - | 125 | 129 | - | - | 202 | 206 |

SVI04-04 has 4 stages with Impeller. SVI04-04-1 has 4 Stages with Impeller, one Impeller has a reduced diameter.

DIMENSIONS AND WEIGHTS

66 e-SVI COUPLED, 1750 RPM



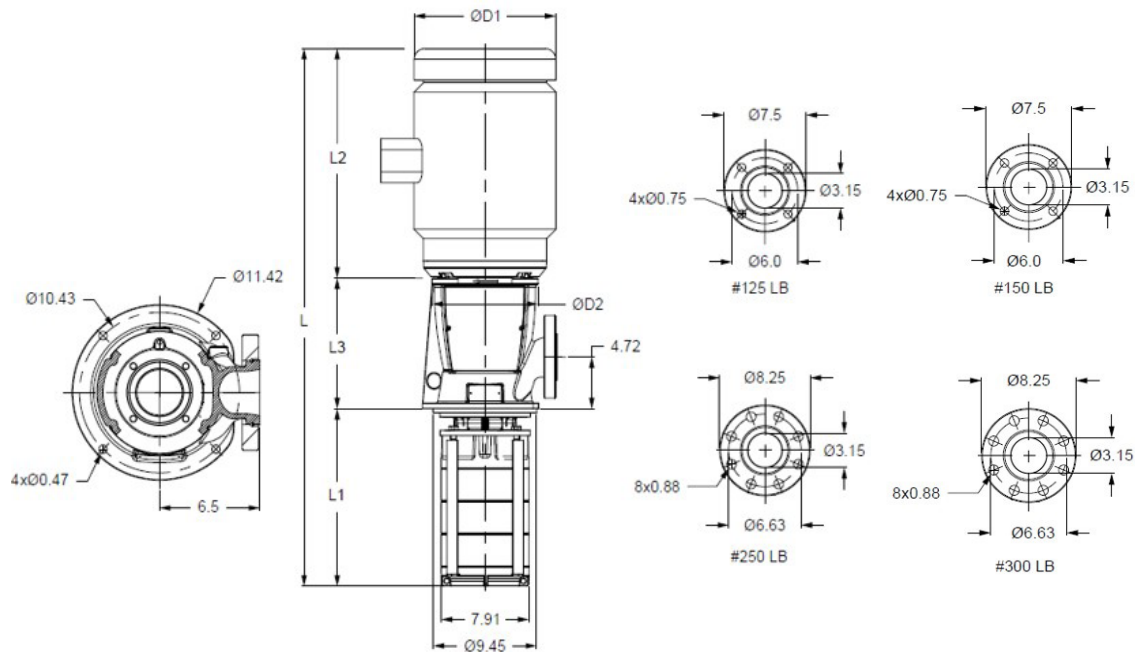
66 e-SVI SERIES – 60 Hz, 1750 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | DIMENSIONS (IN) | | | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | |
|--------------------|-------|------------|---------|-------|-----------------|---------|--------|---------|-------|--------|---------|--------|---------|-----------|---------|--------|---------|-----------|---------------|--------|---------|--------|---------|------------|---------|--------|---------|--------|---------|
| | HP | NEMA FRAME | | L1 | L2 | | | | L3 | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | | | |
| | | ODP 10 | TEFC 10 | | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | | | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 | ODP 10 | TEFC 10 | ODP 30 | TEFC 30 |
| 66SVI01-01 | 1.5 | - | - | 182TC | 182TC | 10.71 | - | - | 13.94 | 15.44 | 11.89 | - | - | 36.54 | 38.04 | - | - | 8.50 | 8.50 | 9.68 | 54 | - | - | 61 | 62 | - | - | 115 | 116 |
| 66SVI02-02-2 | 2 | - | - | 182TC | 182TC | 14.25 | - | - | 13.94 | 15.44 | 11.89 | - | - | 40.08 | 41.58 | - | - | 8.50 | 8.50 | 9.68 | 57 | - | - | 61 | 62 | - | - | 118 | 119 |
| 66SVI02-02-1 | 3 | - | - | 182TC | 182TC | 14.25 | - | - | 13.94 | 15.44 | 11.89 | - | - | 40.08 | 41.58 | - | - | 8.50 | 8.50 | 9.68 | 57 | - | - | 61 | 62 | - | - | 118 | 119 |
| 66SVI02-02 | 3 | - | - | 182TC | 182TC | 14.25 | - | - | 13.94 | 15.44 | 11.89 | - | - | 40.08 | 41.58 | - | - | 8.50 | 8.50 | 9.68 | 57 | - | - | 61 | 62 | - | - | 118 | 119 |
| 66SVI03-03-2 | 5 | - | - | 184TC | 184TC | 17.80 | - | - | 13.94 | 15.44 | 11.89 | - | - | 43.63 | 45.13 | - | - | 8.50 | 8.50 | 9.68 | 60 | - | - | 68 | 75 | - | - | 128 | 135 |
| 66SVI03-03-1 | 5 | - | - | 184TC | 184TC | 17.80 | - | - | 13.94 | 15.44 | 11.89 | - | - | 43.63 | 45.13 | - | - | 8.50 | 8.50 | 9.68 | 60 | - | - | 68 | 75 | - | - | 128 | 135 |
| 66SVI03-03 | 5 | - | - | 184TC | 184TC | 17.80 | - | - | 13.94 | 15.44 | 11.89 | - | - | 43.63 | 45.13 | - | - | 8.50 | 8.50 | 9.68 | 60 | - | - | 68 | 75 | - | - | 128 | 135 |
| 66SVI04-04-02 | 5 | - | - | 184TC | 184TC | 21.34 | - | - | 13.94 | 15.44 | 11.89 | - | - | 47.17 | 48.67 | - | - | 8.50 | 8.50 | 9.68 | 63 | - | - | 68 | 75 | - | - | 131 | 138 |
| 66SVI04-04-01 | 5 | - | - | 184TC | 184TC | 21.34 | - | - | 13.94 | 15.44 | 11.89 | - | - | 47.17 | 48.67 | - | - | 8.50 | 8.50 | 9.68 | 63 | - | - | 68 | 75 | - | - | 131 | 138 |
| 66SVI04-04 | 7.5 | - | - | 213TC | 213TC | 21.34 | - | - | 15.56 | 15.50 | 11.89 | - | - | 48.79 | 48.73 | - | - | 10.19 | 10.25 | 9.68 | 63 | - | - | 122 | 125 | - | - | 185 | 188 |
| 66SVI05-05-02 | 7.5 | - | - | 213TC | 213TC | 24.88 | - | - | 15.56 | 15.50 | 11.89 | - | - | 52.33 | 52.27 | - | - | 10.19 | 10.25 | 9.68 | 66 | - | - | 122 | 125 | - | - | 188 | 191 |
| 66SVI05-05-01 | 7.5 | - | - | 213TC | 213TC | 24.88 | - | - | 15.56 | 15.50 | 11.89 | - | - | 52.33 | 52.27 | - | - | 10.19 | 10.25 | 9.68 | 66 | - | - | 122 | 125 | - | - | 188 | 191 |
| 66SVI05-05 | 7.5 | - | - | 213TC | 213TC | 24.88 | - | - | 15.56 | 15.50 | 11.89 | - | - | 52.33 | 52.27 | - | - | 10.19 | 10.25 | 9.68 | 66 | - | - | 122 | 125 | - | - | 188 | 191 |
| 66SVI06-06-02 | 7.5 | - | - | 213TC | 213TC | 28.43 | - | - | 15.56 | 15.50 | 11.89 | - | - | 55.87 | 55.81 | - | - | 10.19 | 10.25 | 9.68 | 68 | - | - | 122 | 125 | - | - | 190 | 193 |
| 66SVI06-06-01 | 10 | - | - | 215TC | 215TC | 28.43 | - | - | 15.56 | 15.50 | 11.89 | - | - | 55.87 | 55.81 | - | - | 10.19 | 10.25 | 9.68 | 68 | - | - | 125 | 129 | - | - | 193 | 197 |
| 66SVI06-06 | 10 | - | - | 215TC | 215TC | 28.43 | - | - | 15.56 | 15.50 | 11.89 | - | - | 55.87 | 55.81 | - | - | 10.19 | 10.25 | 9.68 | 68 | - | - | 125 | 129 | - | - | 193 | 197 |

SVI03-03 has 3 stages with Impeller. SVI03-03-1 has 3 Stages with Impeller, one Impeller has a reduced diameter.

DIMENSIONS AND WEIGHTS

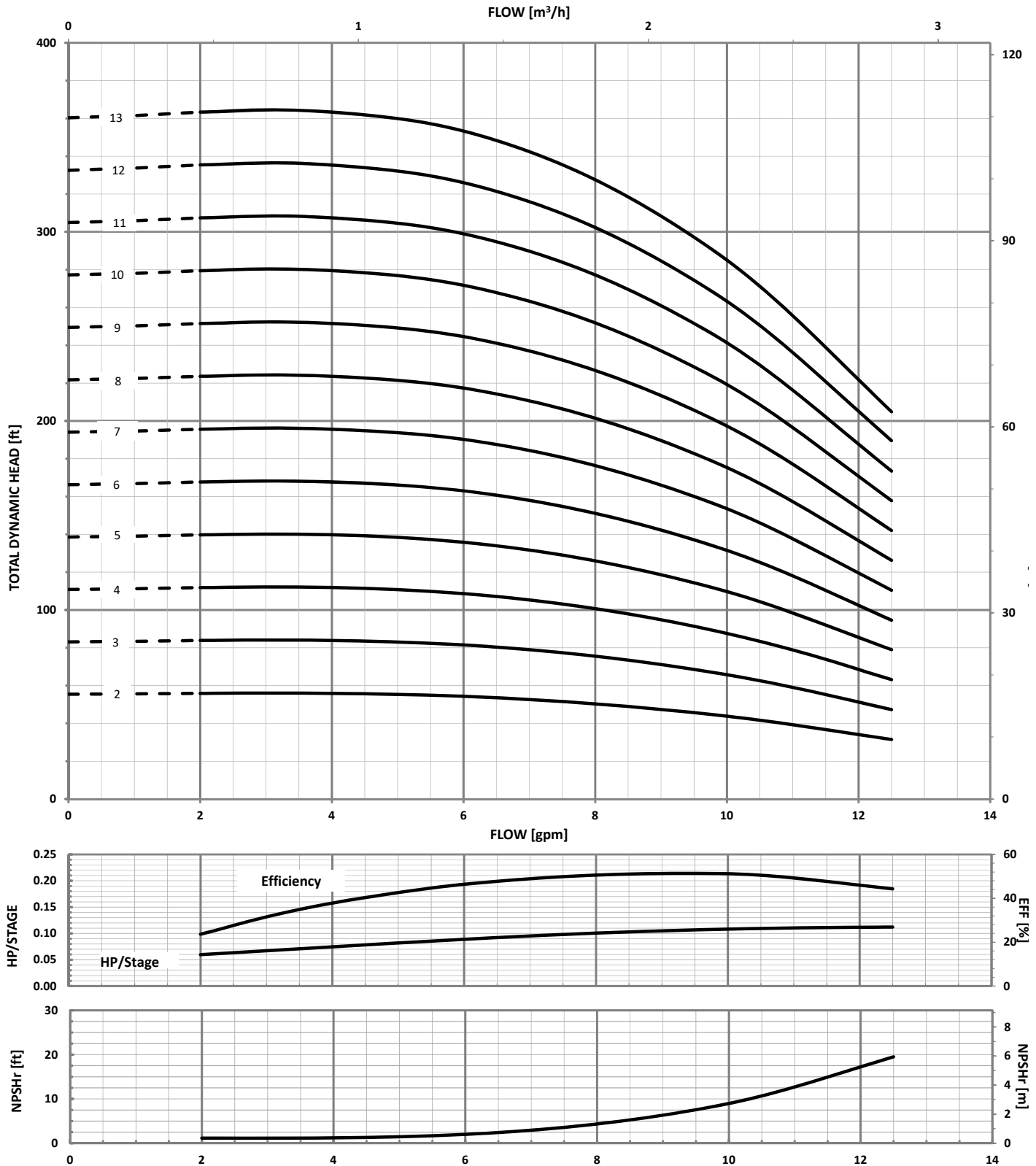
92 e-SVI COUPLED, 1750 RPM

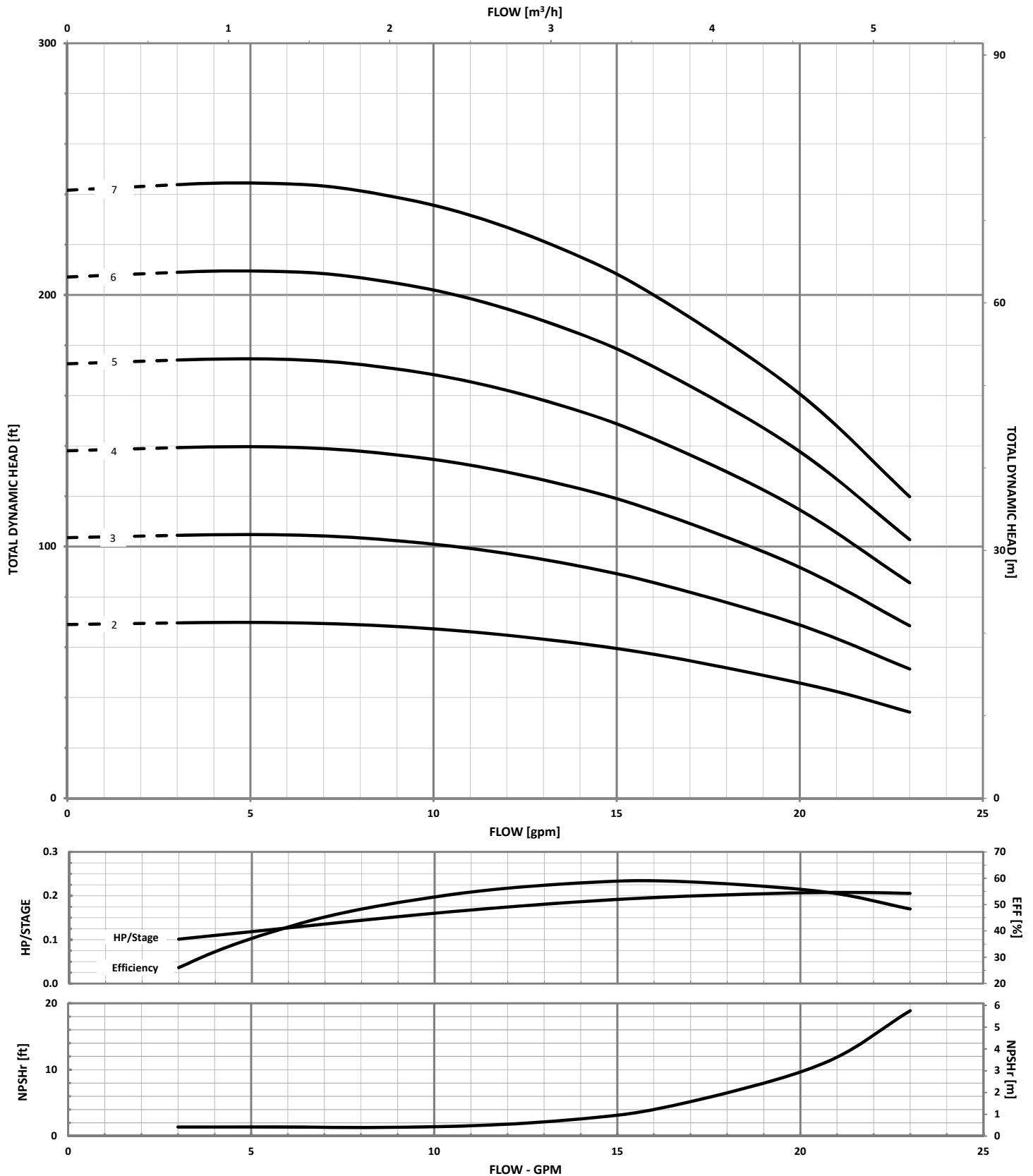


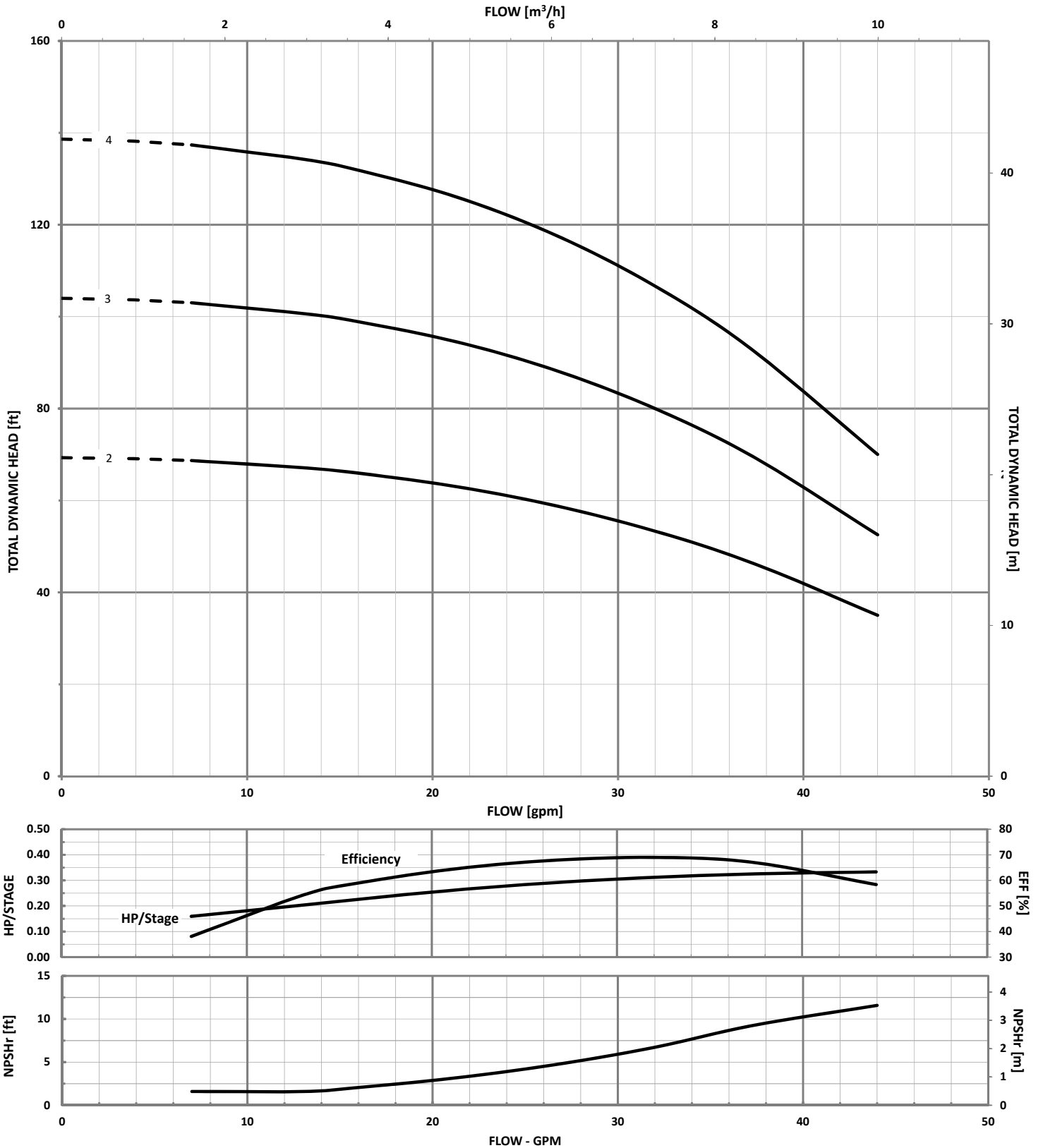
92 e-SVI SERIES – 60 Hz, 1750 RPM ODP/TEFC Enclosures

| PUMP CONFIGURATION | MOTOR | | | | DIMENSIONS (IN) | | | | | | | | | | | | WEIGHT (LBS.) | | | | | | | | | | | | |
|--------------------|-------|------------|---------|--------|-----------------|-------|--------|---------|--------|---------|-------|--------|---------|--------|---------|-----------|---------------|--------|---------|-----------|-----------|--------|---------|--------|---------|------------|---------|--------|---------|
| | HP | NEMA FRAME | | | | L1 | L2 | | | | L3 | L | | | | D1 (MAX.) | | | | D2 (MAX.) | PUMP ONLY | MOTOR | | | | PUMP/MOTOR | | | |
| | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | | | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø | ODP 1Ø | TEFC 1Ø | ODP 3Ø | TEFC 3Ø |
| 92SVI01-01 | 3 | - | - | 182TC | 182TC | 10.71 | - | - | 13.94 | 15.44 | 11.89 | - | - | 36.54 | 38.04 | - | - | 8.50 | 8.50 | 9.68 | 54 | - | - | 61 | 62 | - | - | 115 | 116 |
| 92SVI02-02-2 | 3 | - | - | 182TC | 182TC | 14.25 | - | - | 13.94 | 15.44 | 11.89 | - | - | 40.08 | 41.58 | - | - | 8.50 | 8.50 | 9.68 | 57 | - | - | 61 | 62 | - | - | 118 | 119 |
| 92SVI02-02-1 | 5 | - | - | 184TC | 184TC | 14.25 | - | - | 13.94 | 15.44 | 11.89 | - | - | 40.08 | 41.58 | - | - | 8.50 | 8.50 | 9.68 | 57 | - | - | 68 | 75 | - | - | 125 | 132 |
| 92SVI02-02 | 5 | - | - | 184TC | 184TC | 14.25 | - | - | 13.94 | 15.44 | 11.89 | - | - | 40.08 | 41.58 | - | - | 8.50 | 8.50 | 9.68 | 57 | - | - | 68 | 75 | - | - | 125 | 132 |
| 92SVI03-03-01 | 5 | - | - | 184TC | 184TC | 17.80 | - | - | 13.94 | 15.44 | 11.89 | - | - | 43.63 | 45.13 | - | - | 8.50 | 8.50 | 9.68 | 60 | - | - | 68 | 75 | - | - | 128 | 135 |
| 92SVI03-03-02 | 5 | - | - | 184TC | 184TC | 17.80 | - | - | 13.94 | 15.44 | 11.89 | - | - | 43.63 | 45.13 | - | - | 8.50 | 8.50 | 9.68 | 60 | - | - | 68 | 75 | - | - | 128 | 135 |
| 92SVI03-03 | 7.5 | - | - | 213TC | 213TC | 17.80 | - | - | 15.56 | 15.50 | 11.89 | - | - | 45.25 | 45.19 | - | - | 10.19 | 10.25 | 9.68 | 60 | - | - | 122 | 125 | - | - | 182 | 185 |
| 92SVI04-04-02 | 7.5 | - | - | 213TC | 213TC | 21.34 | - | - | 15.56 | 15.50 | 11.89 | - | - | 48.79 | 48.73 | - | - | 10.19 | 10.25 | 9.68 | 63 | - | - | 122 | 125 | - | - | 185 | 188 |
| 92SVI04-04-01 | 7.5 | - | - | 213TC | 213TC | 21.34 | - | - | 15.56 | 15.50 | 11.89 | - | - | 48.79 | 48.73 | - | - | 10.19 | 10.25 | 9.68 | 63 | - | - | 122 | 125 | - | - | 185 | 188 |
| 92SVI04-04 | 7.5 | - | - | 213TC | 213TC | 21.34 | - | - | 15.56 | 15.50 | 11.89 | - | - | 48.79 | 48.73 | - | - | 10.19 | 10.25 | 9.68 | 63 | - | - | 122 | 125 | - | - | 185 | 188 |
| 92SVI05-05-02 | 10 | - | - | 215TC | 215TC | 24.88 | - | - | 15.56 | 15.50 | 11.89 | - | - | 52.33 | 52.27 | - | - | 10.19 | 10.25 | 9.68 | 66 | - | - | 125 | 129 | - | - | 191 | 195 |
| 92SVI05-05-01 | 10 | - | - | 215TC | 215TC | 24.88 | - | - | 15.56 | 15.50 | 11.89 | - | - | 52.33 | 52.27 | - | - | 10.19 | 10.25 | 9.68 | 66 | - | - | 125 | 129 | - | - | 191 | 195 |
| 92SVI05-05 | 10 | - | - | 215TC | 215TC | 24.88 | - | - | 15.56 | 15.50 | 11.89 | - | - | 52.33 | 52.27 | - | - | 10.19 | 10.25 | 9.68 | 66 | - | - | 125 | 129 | - | - | 191 | 195 |
| 92SVI06-06-02 | 10 | - | - | 215TC | 215TC | 28.43 | - | - | 15.56 | 15.50 | 11.89 | - | - | 55.87 | 55.81 | - | - | 10.19 | 10.25 | 9.68 | 69 | - | - | 125 | 129 | - | - | 194 | 198 |
| 92SVI06-06-01 | 10 | - | - | 215TC | 215TC | 28.43 | - | - | 15.56 | 15.50 | 11.89 | - | - | 55.87 | 55.81 | - | - | 10.19 | 10.25 | 9.68 | 69 | - | - | 125 | 129 | - | - | 194 | 198 |
| 92SVI06-06 | 15 | - | - | 254TC | 254TC | 28.43 | - | - | 21.44 | 20.05 | 11.89 | - | - | 61.75 | 60.36 | - | - | 11.63 | 13.26 | 9.68 | 69 | - | - | 250 | 283 | - | - | 319 | 352 |

SVI02-02 has 2 stages with Impeller. SVI02-02-1 has 2 Stages with Impeller, one Impeller has a reduced diameter.



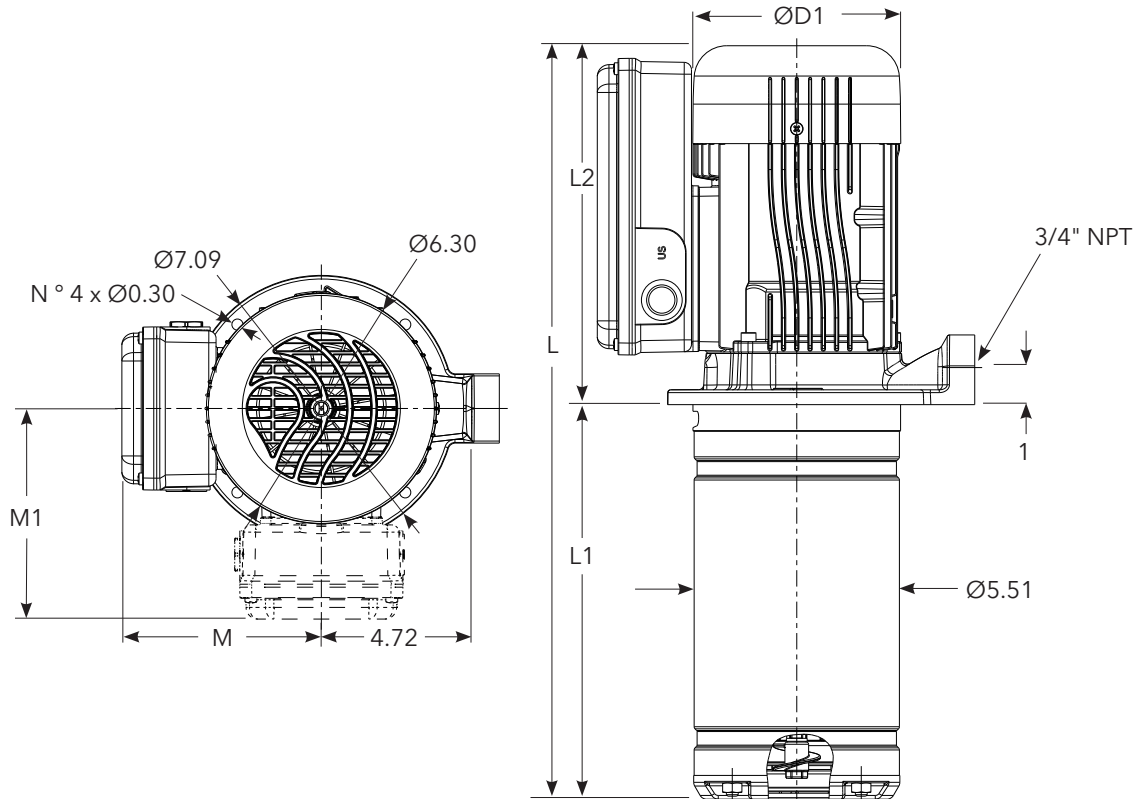




Commercial Water

DIMENSIONS AND WEIGHTS

1 e-SVI CLOSE-COUPLED, 3500 RPM

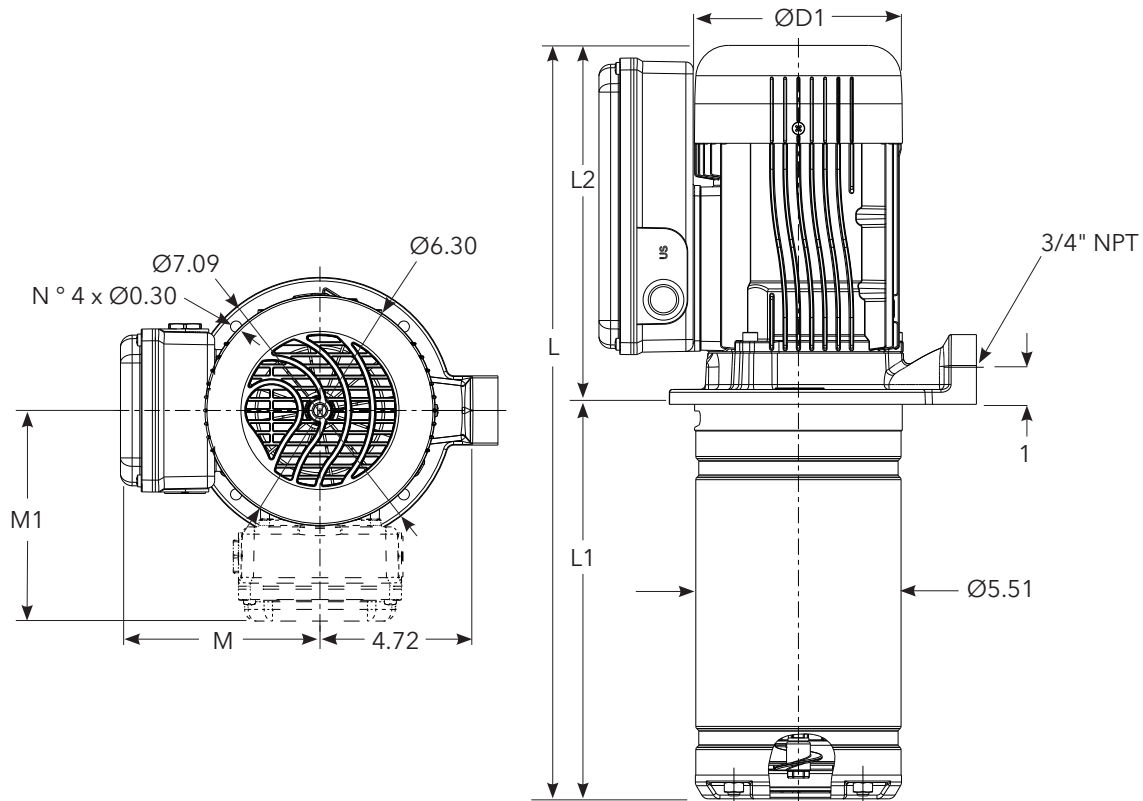


| Pump Configuration | Motor | | | Dimensions (IN) | | | | | | Weight (LBS.) | | |
|---------------------|-------|------|-----------|-----------------|-------|-------|----------|-----------|-----------|---------------|-------|---------------|
| | KW | HP | IEC Frame | L1 | L2 | L | M (max.) | M1 (max.) | D1 (max.) | Pump Only | Motor | Electric Pump |
| Single-Phase | | | | | | | | | | | | |
| 1SVI02-02 | 0.37 | 0.50 | 71 | 4.96 | 9.53 | 14.49 | 5.30 | - | 5.51 | 6 | 27 | 33 |
| 1SVI03-03 | 0.37 | 0.50 | 71 | 5.75 | 9.53 | 15.28 | 5.30 | - | 5.51 | 6 | 27 | 33 |
| 1SVI04-04 | 0.37 | 0.50 | 71 | 6.54 | 9.53 | 16.06 | 5.30 | - | 5.51 | 7 | 27 | 34 |
| 1SVI05-05 | 0.55 | 0.75 | 71 | 7.32 | 9.53 | 16.85 | 5.30 | - | 5.51 | 7 | 27 | 34 |
| 1SVI06-06 | 0.55 | 0.75 | 71 | 8.11 | 9.53 | 17.64 | 5.30 | - | 5.51 | 8 | 27 | 35 |
| 1SVI07-07 | 0.75 | 1.00 | 71 | 8.90 | 9.53 | 18.43 | 5.30 | - | 5.51 | 9 | 27 | 36 |
| 1SVI08-08 | 0.75 | 1.00 | 71 | 9.69 | 9.53 | 19.21 | 5.30 | - | 5.51 | 9 | 27 | 36 |
| 1SVI09-09 | 0.75 | 1.00 | 71 | 10.47 | 9.53 | 20.00 | 5.30 | - | 5.51 | 10 | 27 | 37 |
| 1SVI10-10 | 1.10 | 1.50 | 80 | 11.26 | 11.28 | 22.54 | - | 5.59 | 6.10 | 10 | 37 | 47 |
| 1SVI11-11 | 1.10 | 1.50 | 80 | 12.05 | 11.28 | 23.33 | - | 5.59 | 6.10 | 11 | 37 | 48 |
| 1SVI12-12 | 1.10 | 1.50 | 80 | 12.83 | 11.28 | 24.11 | - | 5.59 | 6.10 | 11 | 37 | 48 |
| 1SVI13-13 | 1.10 | 1.50 | 80 | 13.62 | 11.28 | 24.90 | - | 5.59 | 6.10 | 12 | 37 | 49 |
| Third-Phase | | | | | | | | | | | | |
| 1SVI02-02 | 0.37 | 0.50 | 71 | 4.96 | 9.53 | 14.49 | 5.30 | - | 5.51 | 6 | 27 | 33 |
| 1SVI03-03 | 0.37 | 0.50 | 71 | 5.75 | 9.53 | 15.28 | 5.30 | - | 5.51 | 6 | 27 | 33 |
| 1SVI04-04 | 0.37 | 0.50 | 71 | 6.54 | 9.53 | 16.06 | 5.30 | - | 5.51 | 7 | 27 | 34 |
| 1SVI05-05 | 0.55 | 0.75 | 71 | 7.32 | 9.53 | 16.85 | 5.30 | - | 5.51 | 7 | 27 | 34 |
| 1SVI06-06 | 0.55 | 0.75 | 71 | 8.11 | 9.53 | 17.64 | 5.30 | - | 5.51 | 8 | 27 | 35 |
| 1SVI07-07 | 0.75 | 1.00 | 80 | 8.90 | 11.28 | 20.18 | - | 5.59 | 6.10 | 9 | 37 | 46 |
| 1SVI08-08 | 0.75 | 1.00 | 80 | 9.69 | 11.28 | 20.96 | - | 5.59 | 6.10 | 9 | 37 | 46 |
| 1SVI09-09 | 0.75 | 1.00 | 80 | 10.47 | 11.28 | 21.75 | - | 5.59 | 6.10 | 10 | 37 | 47 |
| 1SVI10-10 | 1.10 | 1.50 | 80 | 11.26 | 11.28 | 22.54 | - | 5.59 | 6.10 | 10 | 37 | 47 |
| 1SVI11-11 | 1.10 | 1.50 | 80 | 12.05 | 11.28 | 23.33 | - | 5.59 | 6.10 | 11 | 37 | 48 |
| 1SVI12-12 | 1.10 | 1.50 | 80 | 12.83 | 11.28 | 24.11 | - | 5.59 | 6.10 | 11 | 37 | 48 |
| 1SVI13-13 | 1.10 | 1.50 | 80 | 13.62 | 11.28 | 24.90 | - | 5.59 | 6.10 | 12 | 37 | 49 |

All listed dimensions are with Inducer, 1SVI10-10 has 10 Stages with Impeller and 1 Inducer chamber

DIMENSIONS AND WEIGHTS

3 e-SVI CLOSE-COUPLED, 3500 RPM

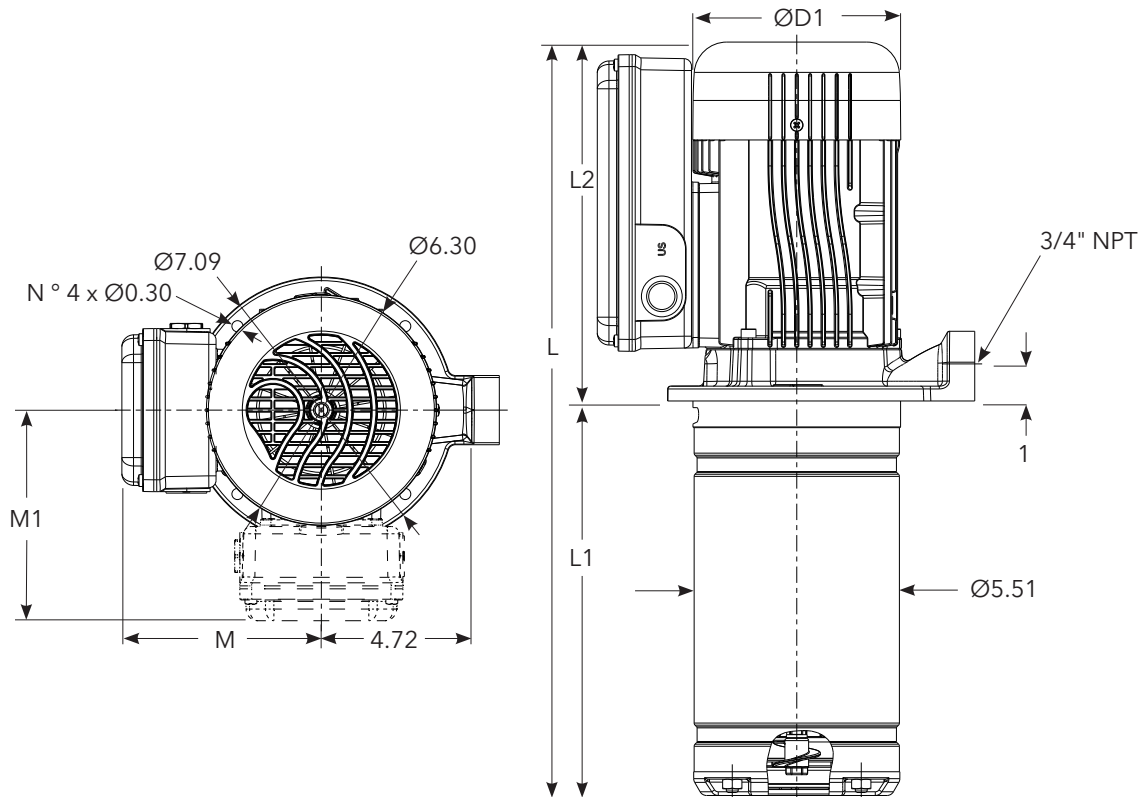


| Pump Configuration | Motor | | | Dimensions (IN) | | | | | | Weight (LBS.) | | |
|---------------------|-------|------|-----------|-----------------|-------|-------|----------|-----------|-----------|---------------|-------|---------------|
| | KW | HP | IEC Frame | L1 | L2 | L | M (max.) | M1 (max.) | D1 (max.) | Pump Only | Motor | Electric Pump |
| Single-Phase | | | | | | | | | | | | |
| 3SVI02-02 | 0.37 | 0.50 | 71 | 4.96 | 9.53 | 14.49 | 5.31 | - | 5.51 | 6 | 27 | 33 |
| 3SVI03-03 | 0.55 | 0.75 | 71 | 5.75 | 9.53 | 15.28 | 5.31 | - | 5.51 | 6 | 27 | 33 |
| 3SVI04-04 | 0.75 | 1.00 | 71 | 6.54 | 9.53 | 16.06 | 5.31 | - | 5.51 | 7 | 27 | 34 |
| 3SVI05-05 | 1.10 | 1.50 | 80 | 7.32 | 11.30 | 18.62 | - | 5.59 | 6.10 | 8 | 37 | 45 |
| 3SVI06-06 | 1.10 | 1.50 | 80 | 8.11 | 11.30 | 19.41 | - | 5.59 | 6.10 | 8 | 37 | 45 |
| 3SVI07-07 | 1.10 | 1.50 | 80 | 8.90 | 11.30 | 20.20 | - | 5.59 | 6.10 | 9 | 37 | 46 |
| Third-Phase | | | | | | | | | | | | |
| 3SVI02-02 | 0.37 | 0.50 | 71 | 4.96 | 9.53 | 14.49 | 5.31 | - | 5.51 | 6 | 27 | 33 |
| 3SVI03-03 | 0.55 | 0.75 | 71 | 5.75 | 9.53 | 15.28 | 5.31 | - | 5.51 | 6 | 27 | 33 |
| 3SVI04-04 | 0.75 | 1.00 | 80 | 6.54 | 11.30 | 17.83 | - | 5.59 | 6.10 | 7 | 37 | 44 |
| 3SVI05-05 | 1.10 | 1.50 | 80 | 7.32 | 11.30 | 18.62 | - | 5.59 | 6.10 | 8 | 37 | 45 |
| 3SVI06-06 | 1.10 | 1.50 | 80 | 8.11 | 11.30 | 19.41 | - | 5.59 | 6.10 | 8 | 37 | 45 |
| 3SVI07-07 | 1.10 | 1.50 | 80 | 8.90 | 11.30 | 20.20 | - | 5.59 | 6.10 | 9 | 37 | 46 |

All listed dimensions are with Inducer, 3SVI07-07 has 07 Stages with Impeller and 1 Inducer chamber

DIMENSIONS AND WEIGHTS

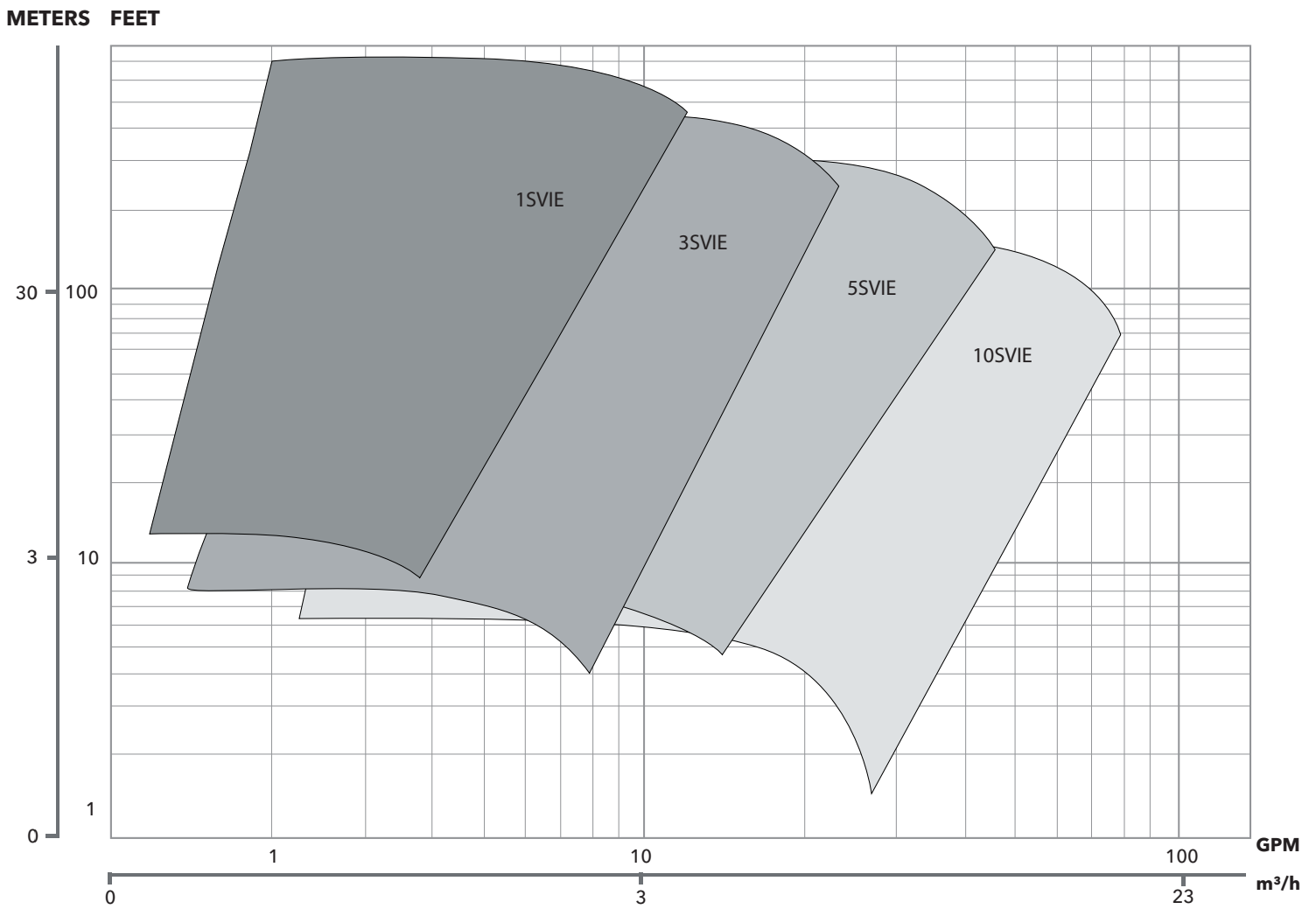
5 e-SVI CLOSE-COUPLED, 3500 RPM



| Pump Configuration | Motor | | | Dimensions (IN) | | | | | | Weight (LBS.) | | |
|---------------------|-------|------|-----------|-----------------|-------|-------|----------|-----------|-----------|---------------|-------|---------------|
| | KW | HP | IEC Frame | L1 | L2 | L | M (max.) | M1 (max.) | D1 (max.) | Pump Only | Motor | Electric Pump |
| Single-Phase | | | | | | | | | | | | |
| 5SVI02-02 | 0.55 | 0.75 | 71 | 5.55 | 9.53 | 15.08 | 5.31 | - | 5.51 | 6 | 27 | 33 |
| 5SVI03-03 | 0.75 | 1.00 | 71 | 6.54 | 9.53 | 16.06 | 5.31 | - | 5.51 | 6 | 27 | 33 |
| 5SVI04-04 | 1.10 | 1.50 | 80 | 7.52 | 11.30 | 18.82 | - | 5.59 | 6.10 | 7 | 37 | 44 |
| Third-Phase | | | | | | | | | | | | |
| 5SVI02-02 | 0.55 | 0.75 | 71 | 5.55 | 9.53 | 15.08 | 5.31 | - | 5.51 | 6 | 27 | 33 |
| 5SVI03-03 | 0.75 | 1.00 | 80 | 6.54 | 11.30 | 17.83 | - | 5.59 | 6.10 | 6 | 37 | 43 |
| 5SVI04-04 | 1.10 | 1.50 | 80 | 7.52 | 11.30 | 18.82 | - | 5.59 | 6.10 | 7 | 37 | 44 |

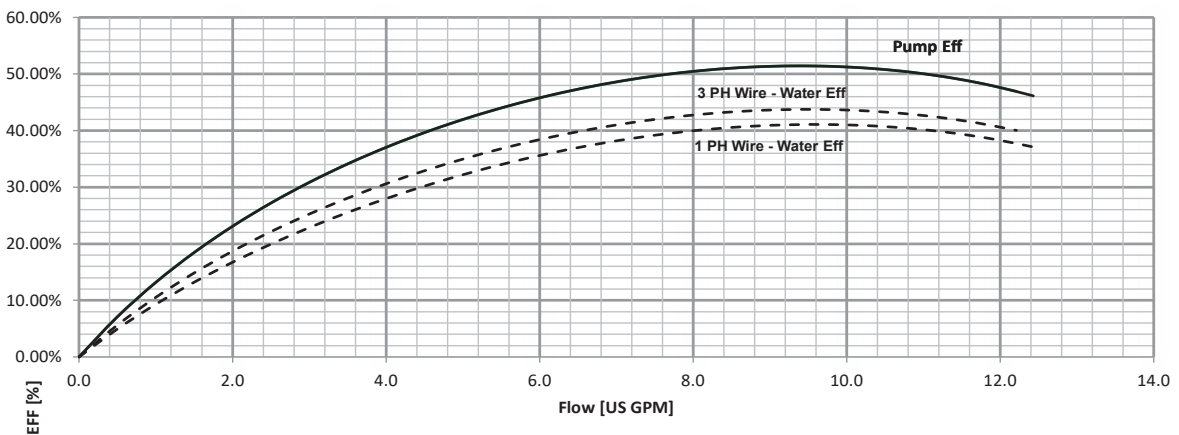
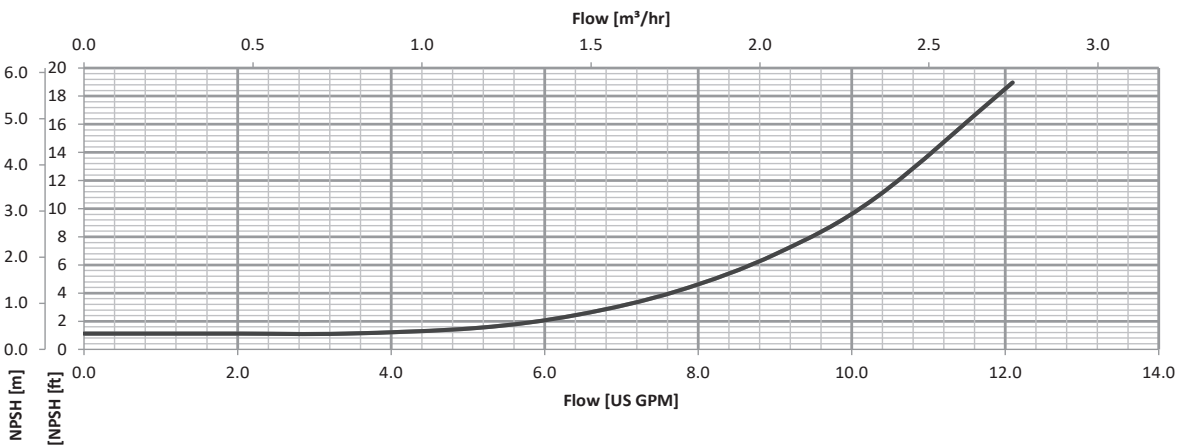
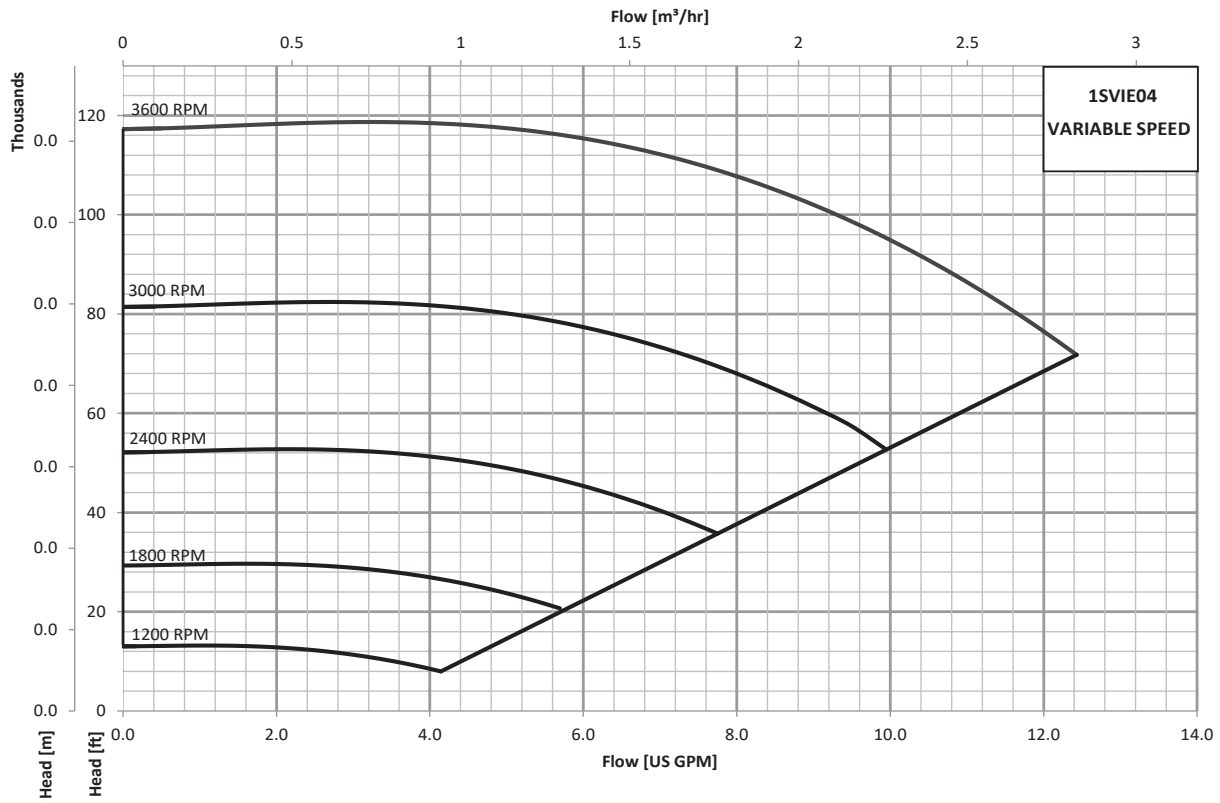
All listed dimensions are with Inducer, 5SVI04-04 has 04 Stages with Impeller and 1 Inducer chamber

e-SVIE pump coverage curves

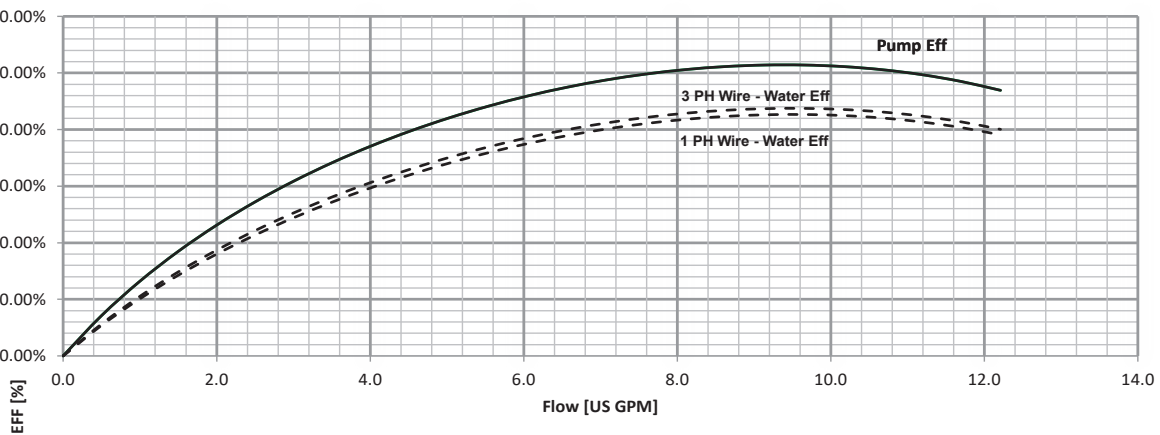
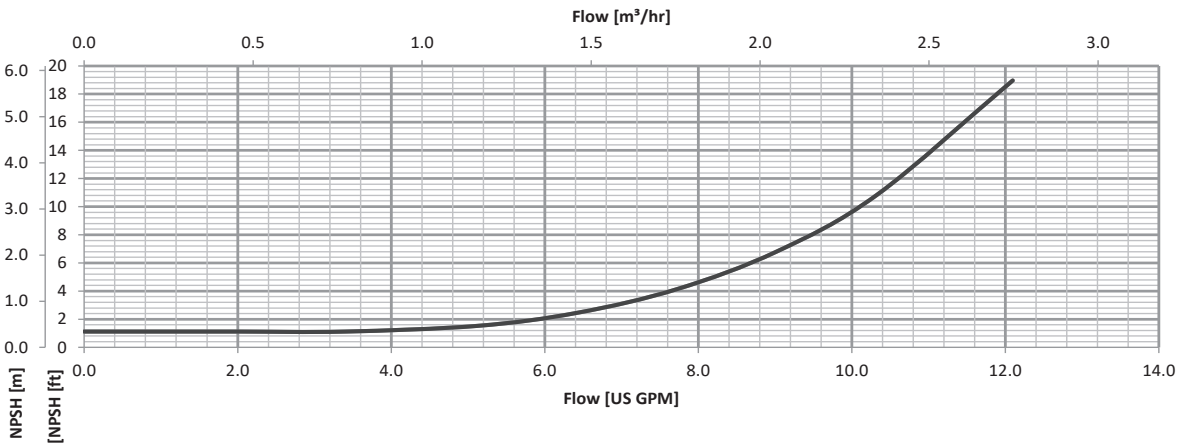
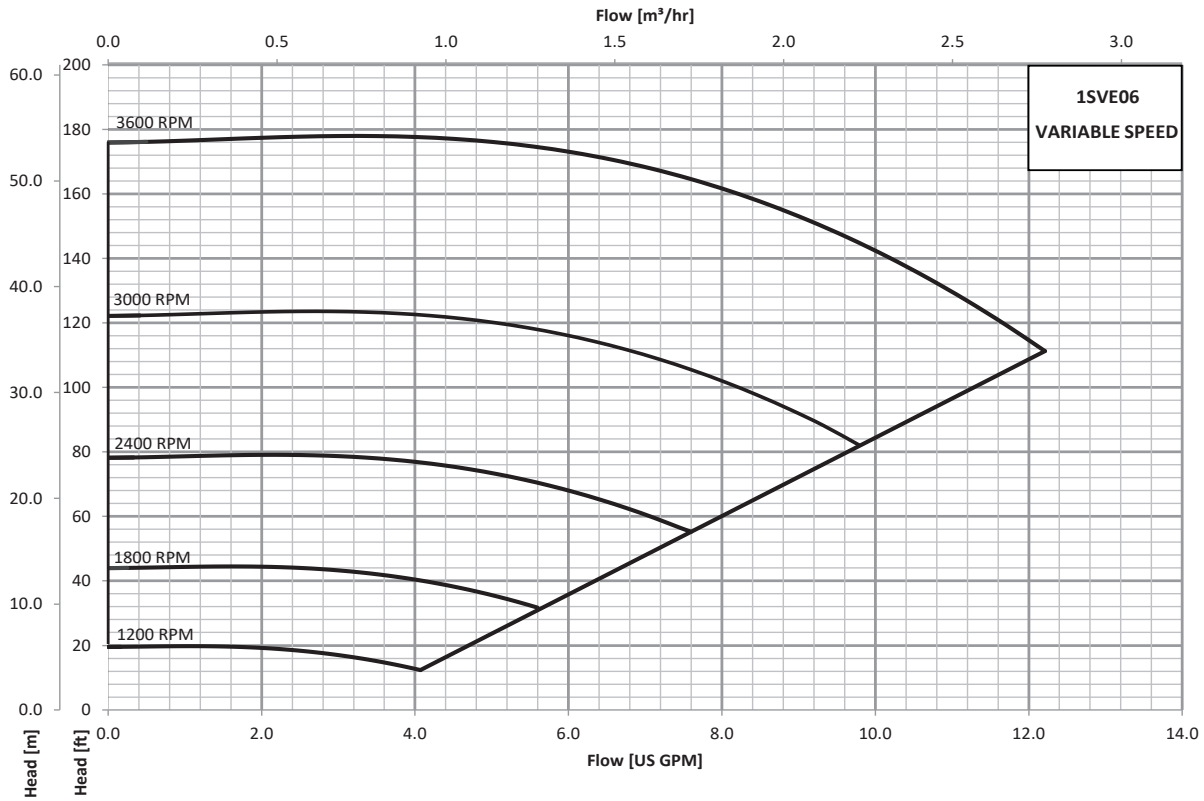


PERFORMANCE CURVES WITH SMART MOTOR

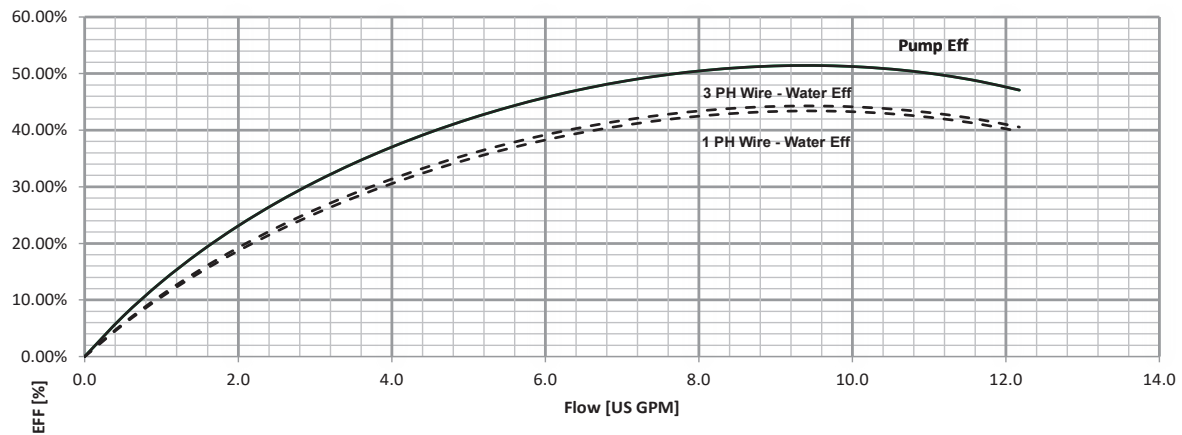
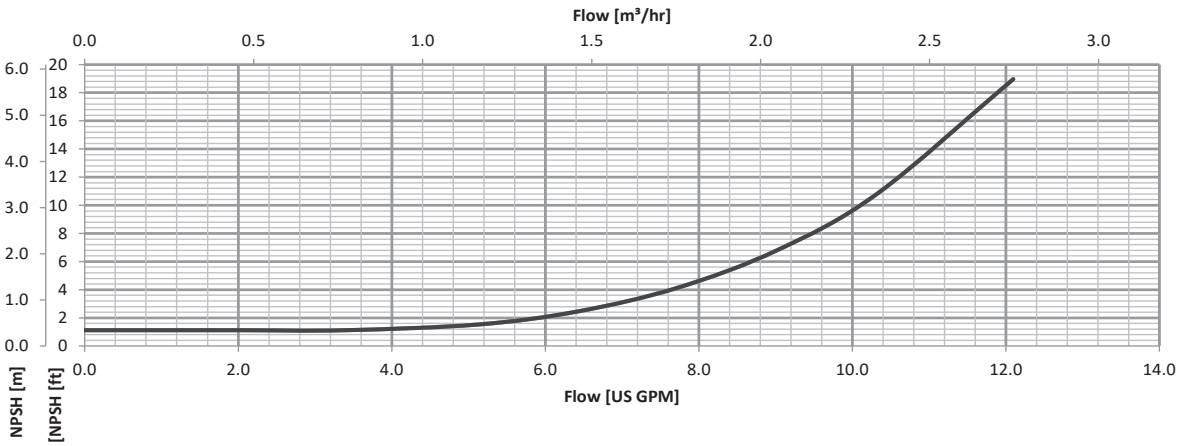
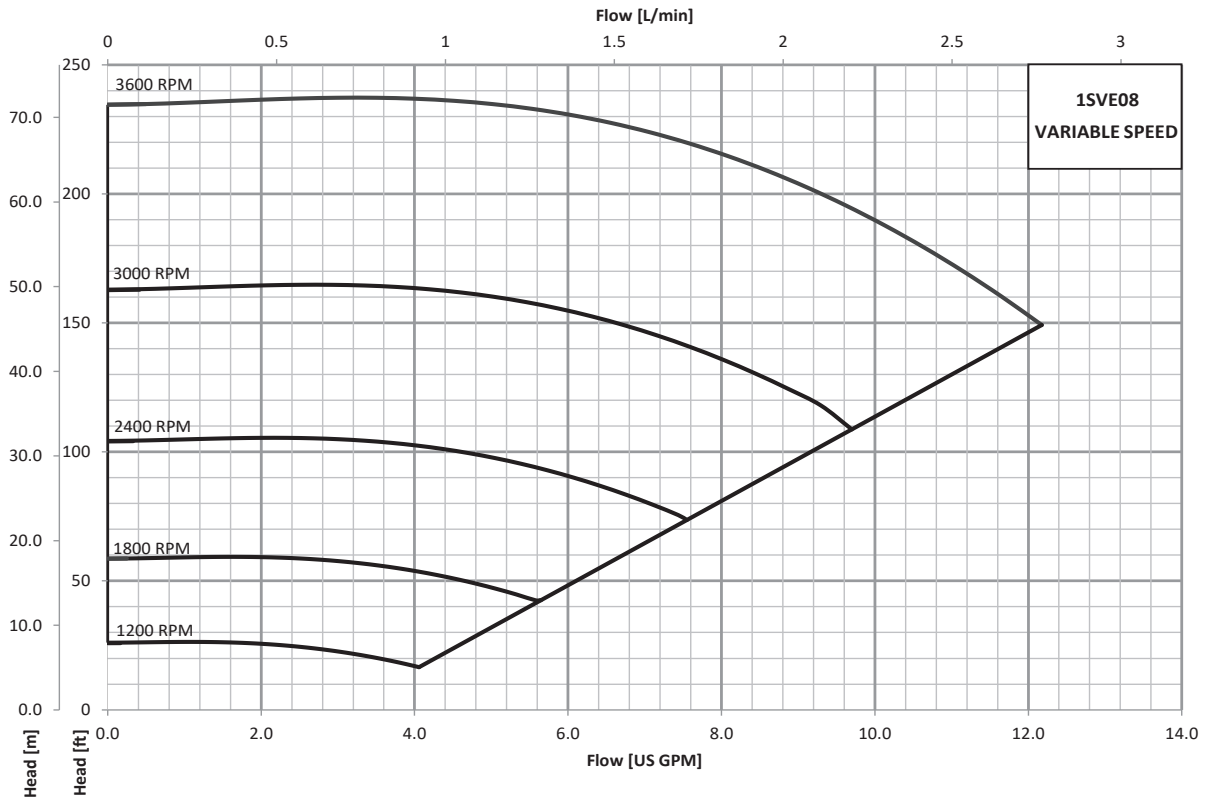
1 e-SVIE COUPLED



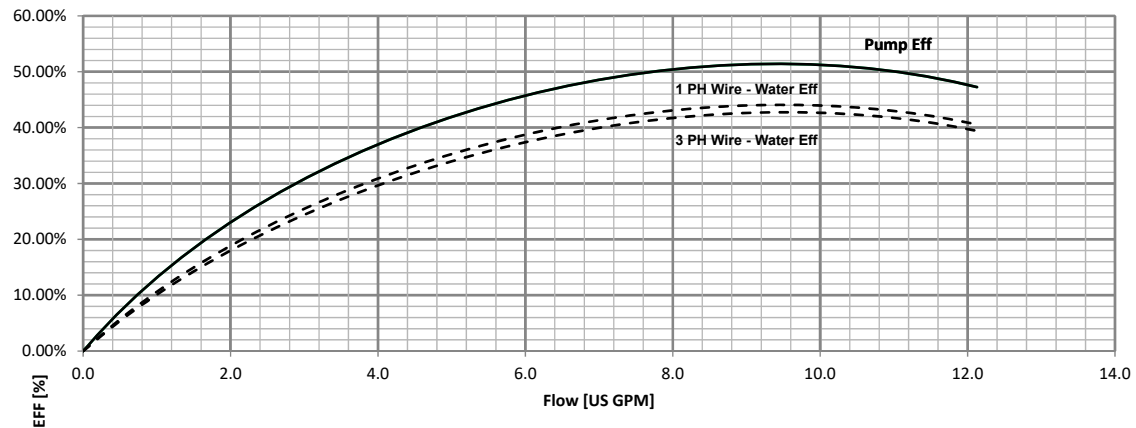
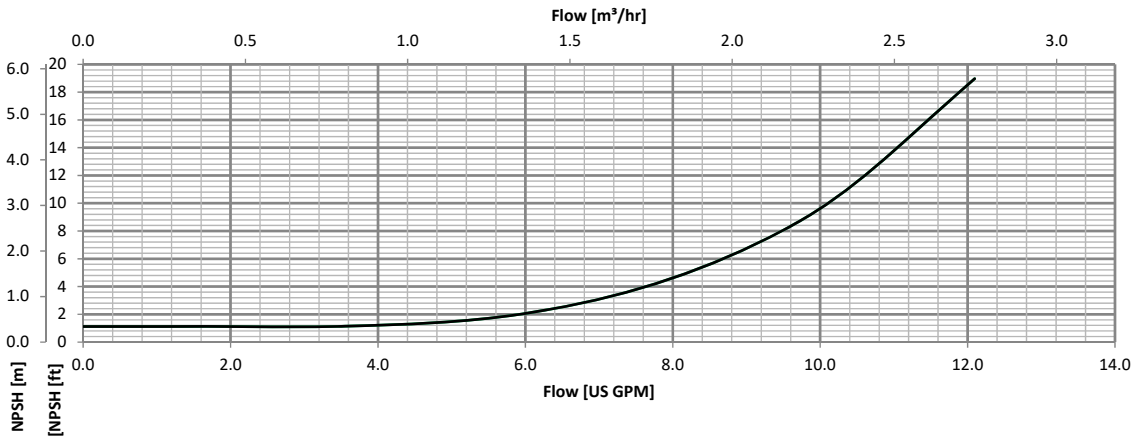
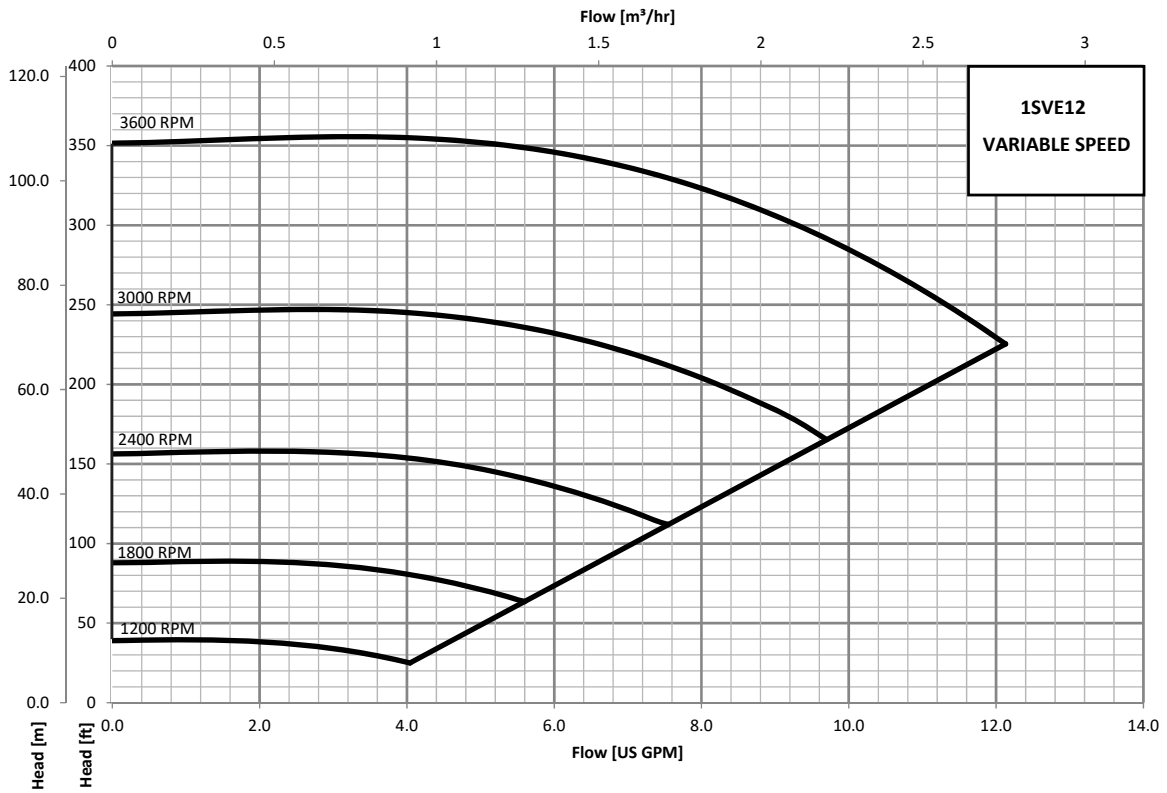
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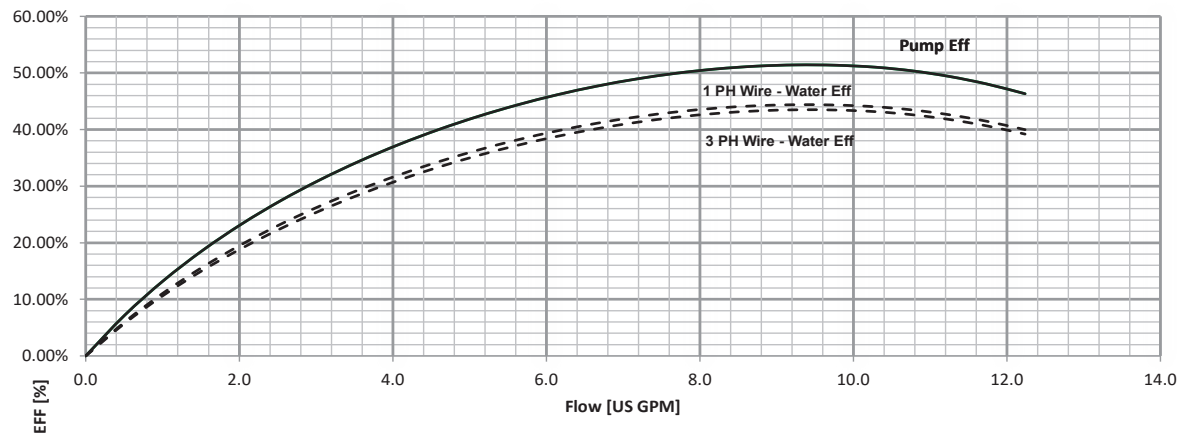
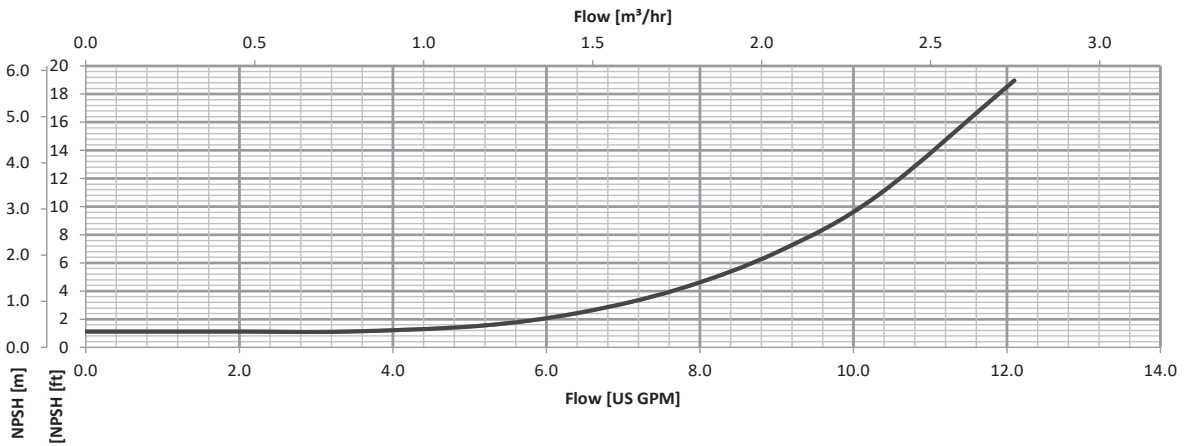
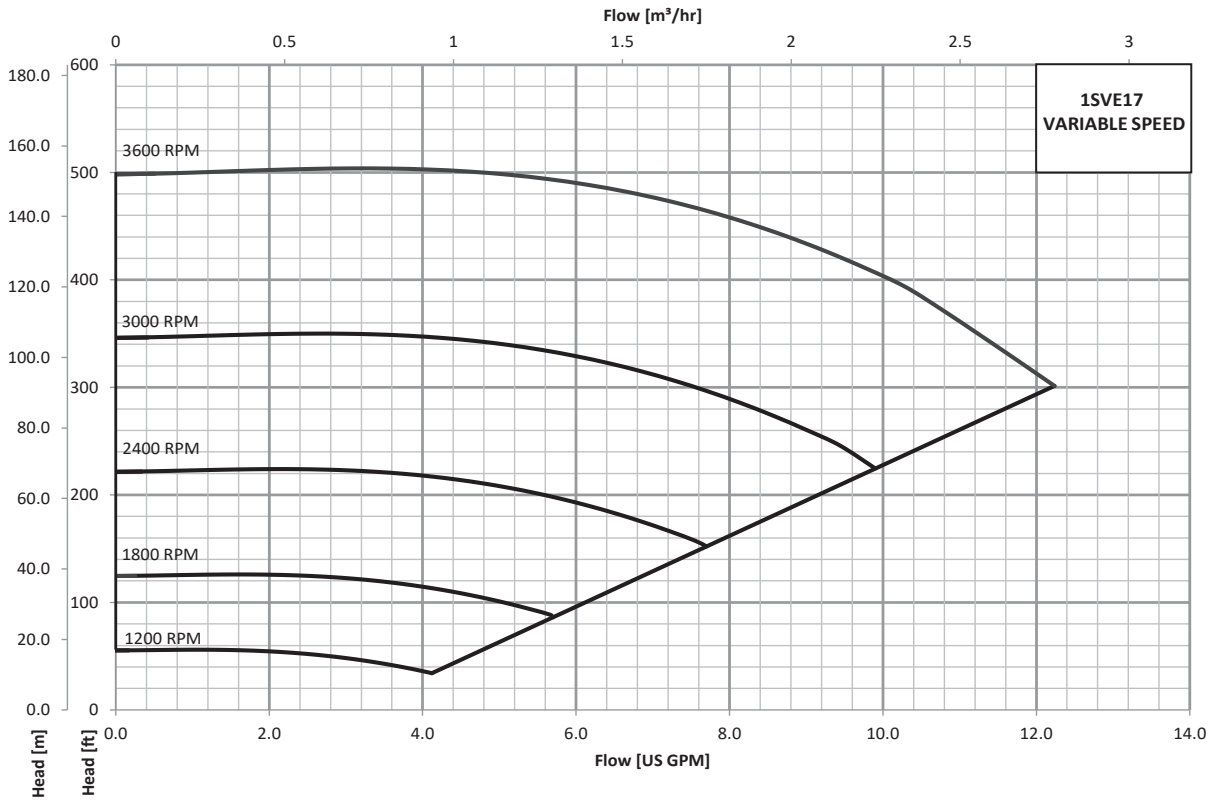
PERFORMANCE CURVES WITH SMART MOTOR 1 e-SVIE COUPLED



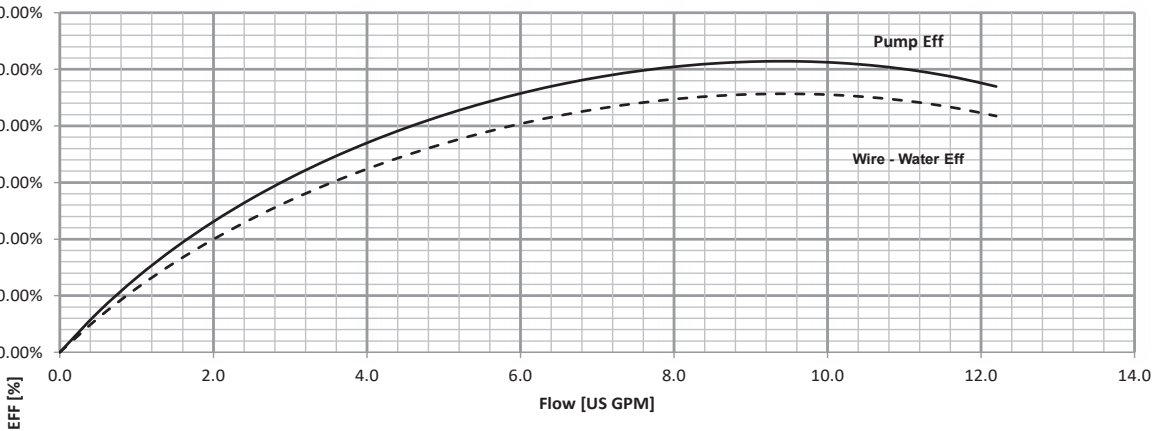
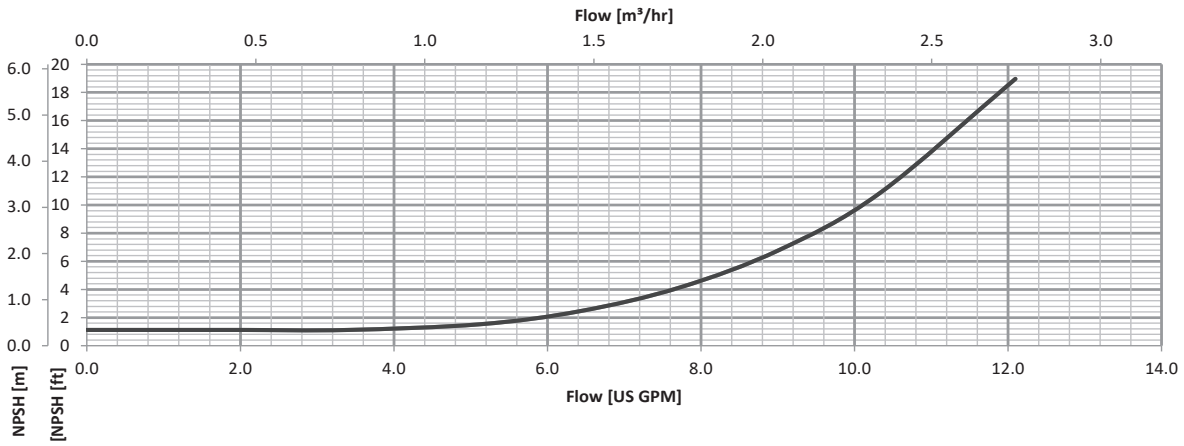
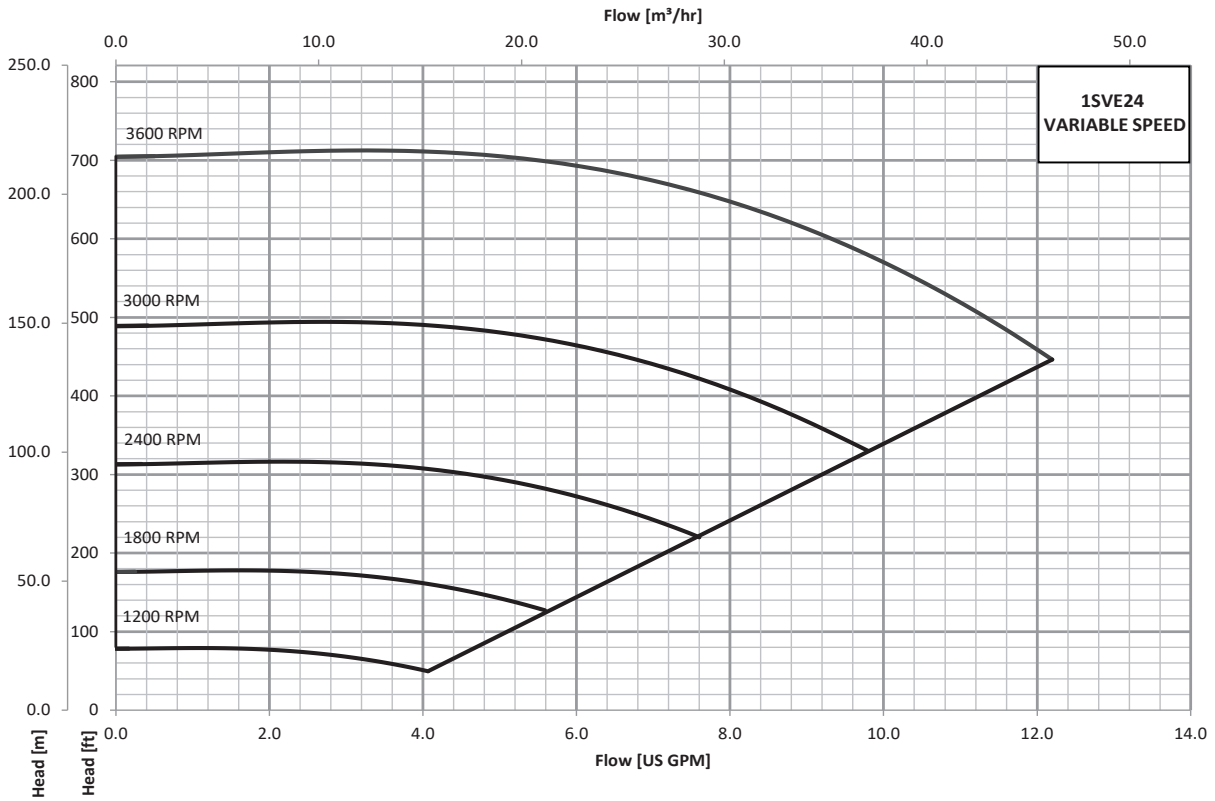
PERFORMANCE CURVES WITH SMART MOTOR 1 e-SVIE COUPLED



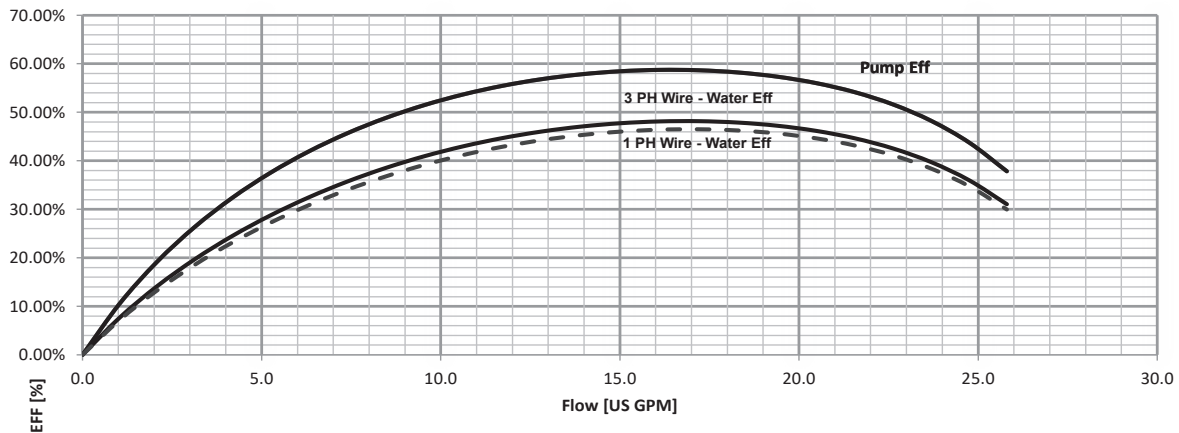
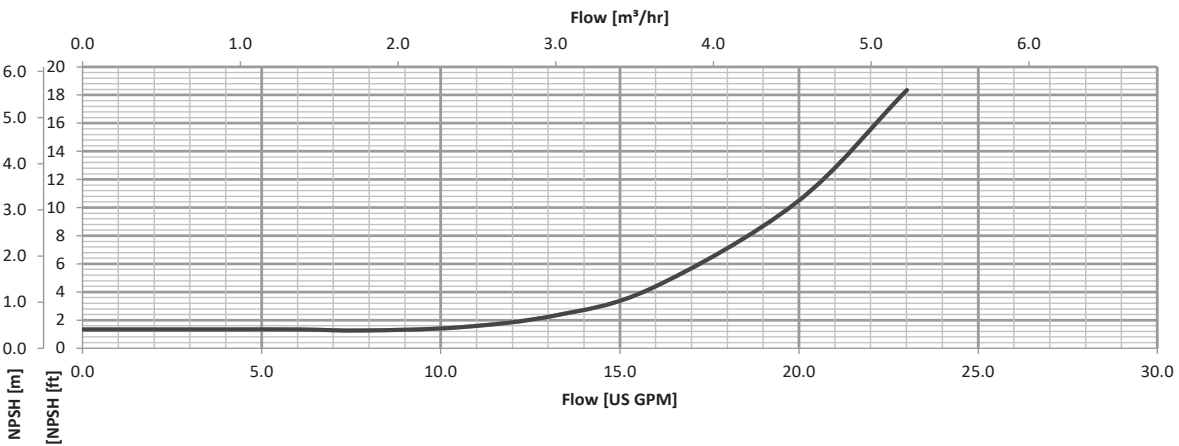
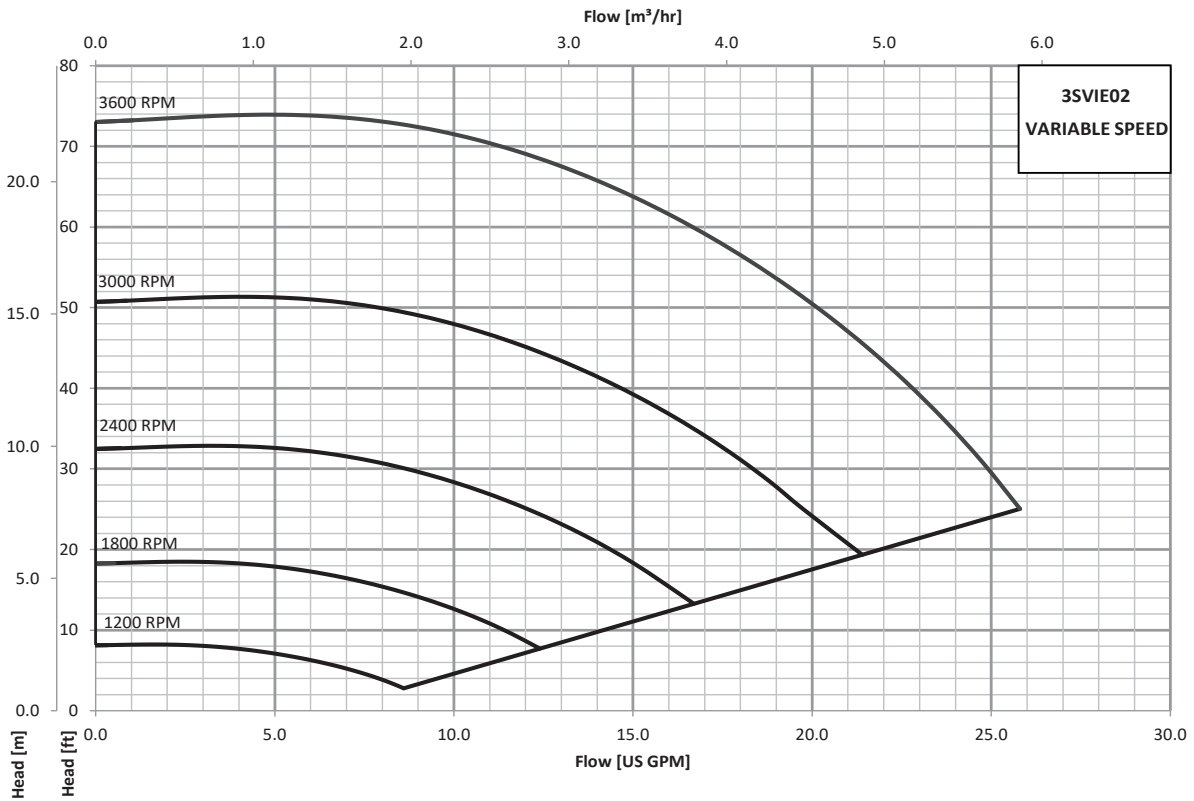
PERFORMANCE CURVES WITH SMART MOTOR 1 e-SVIE COUPLED



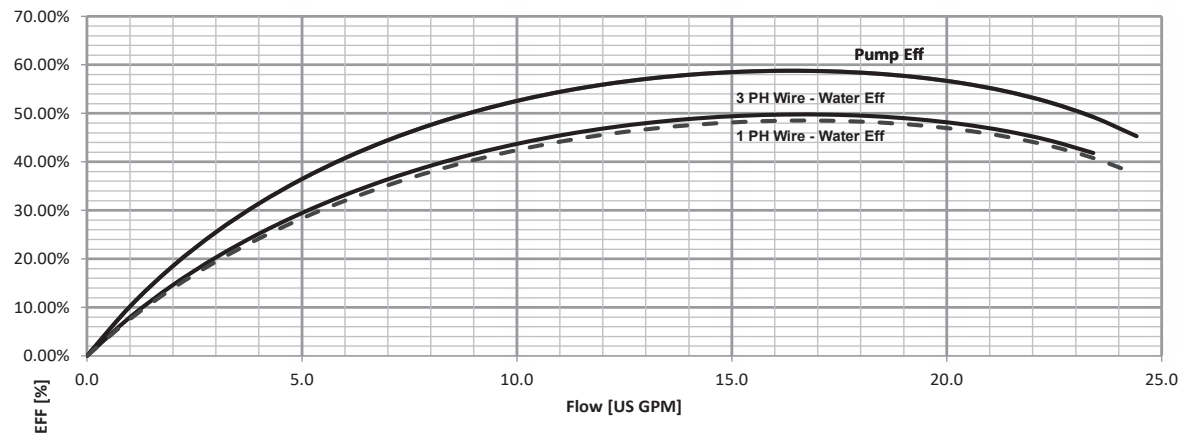
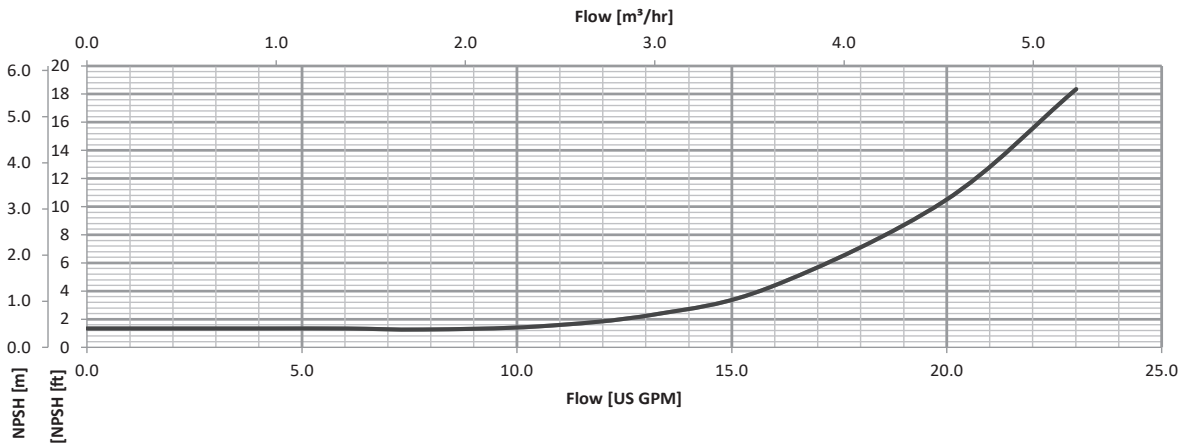
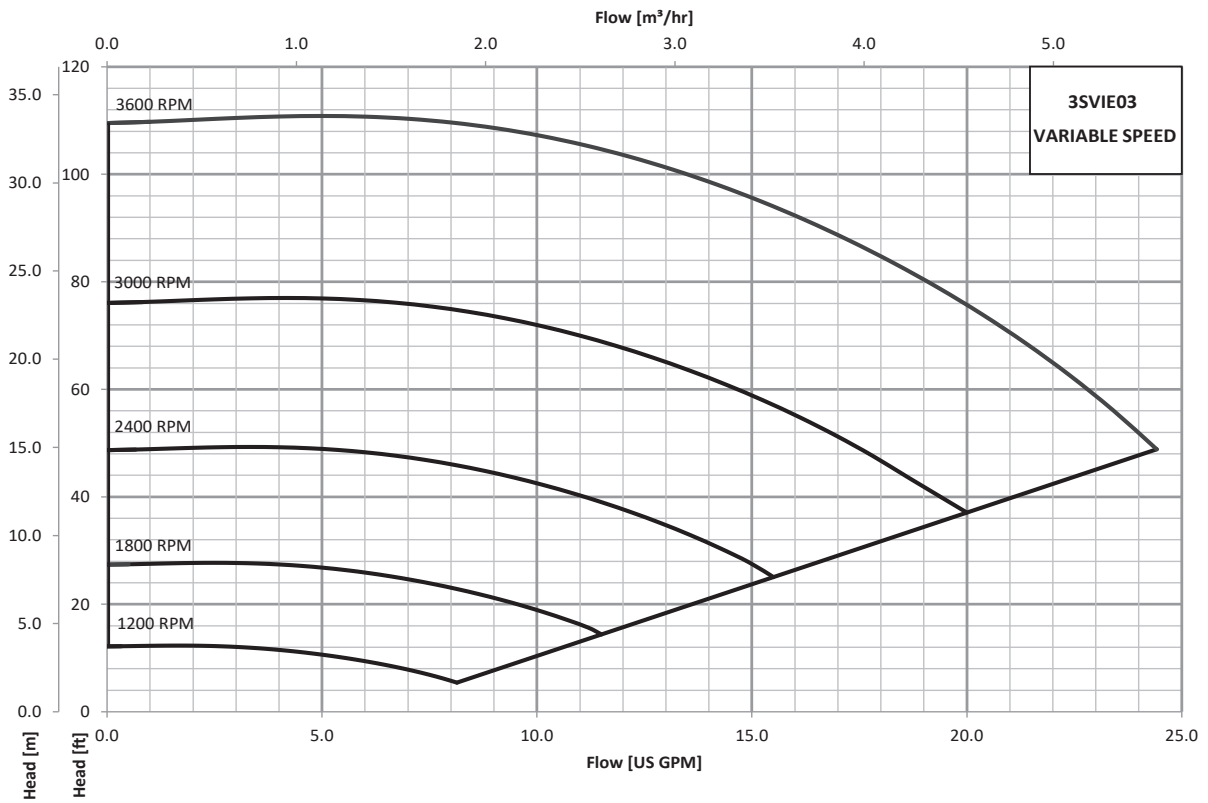
PERFORMANCE CURVES WITH SMART MOTOR 1 e-SVIE COUPLED



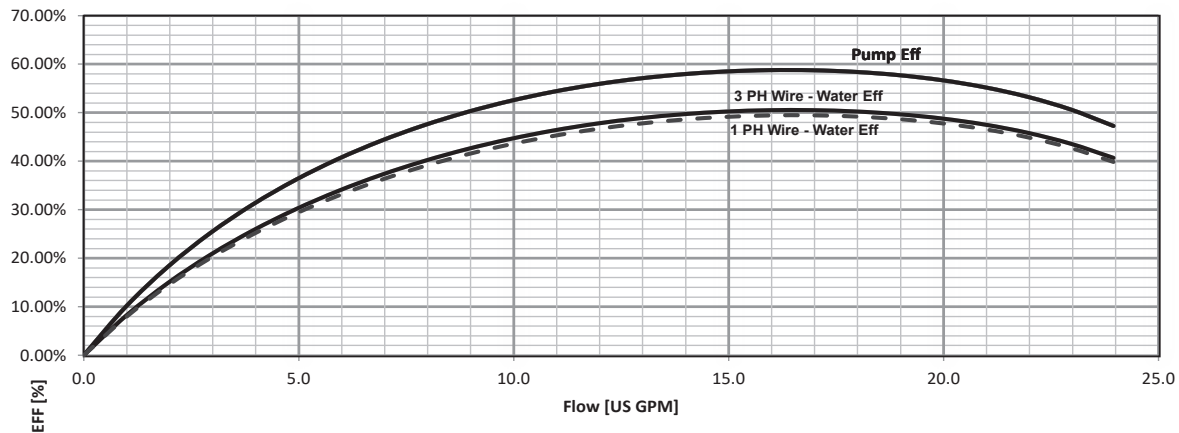
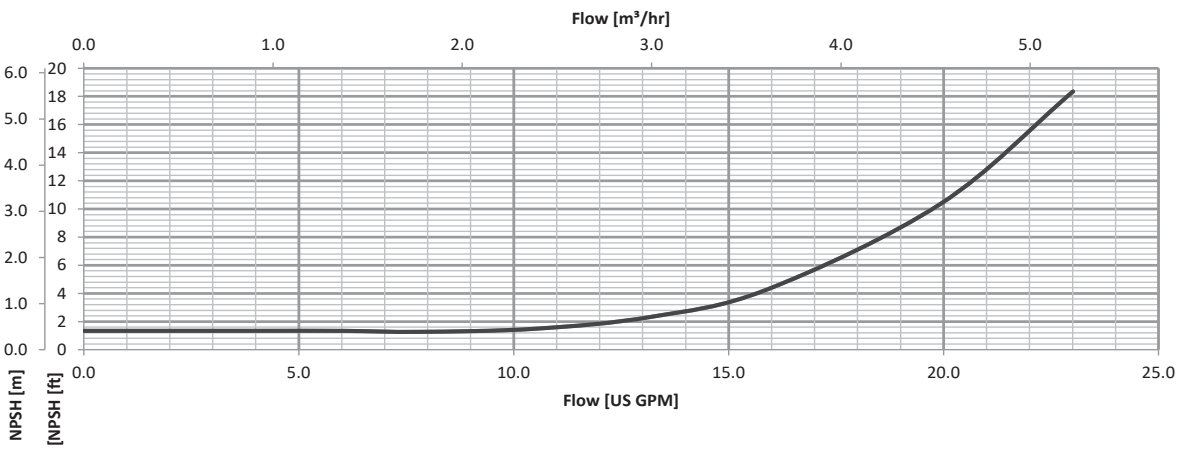
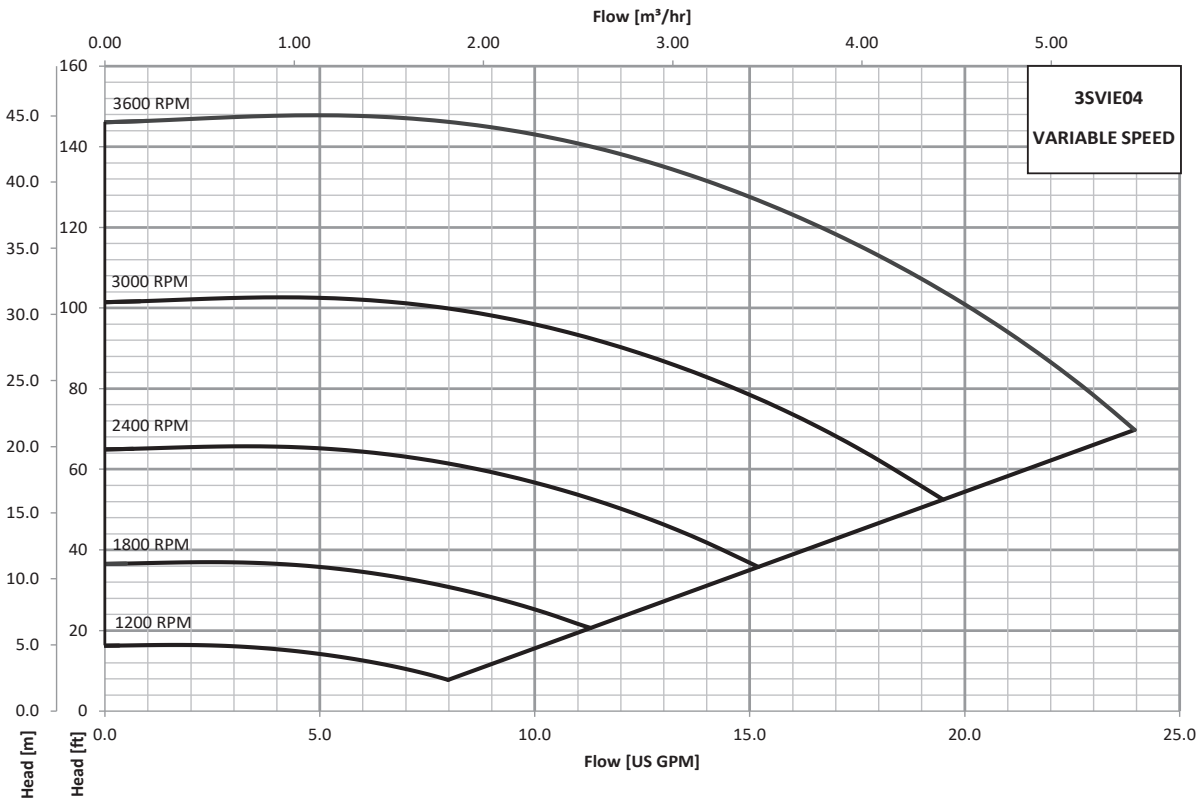
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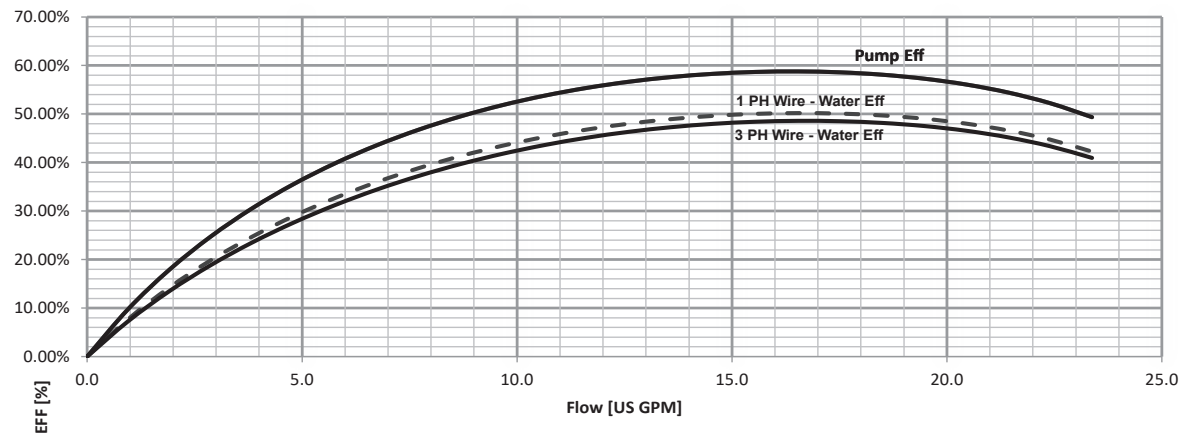
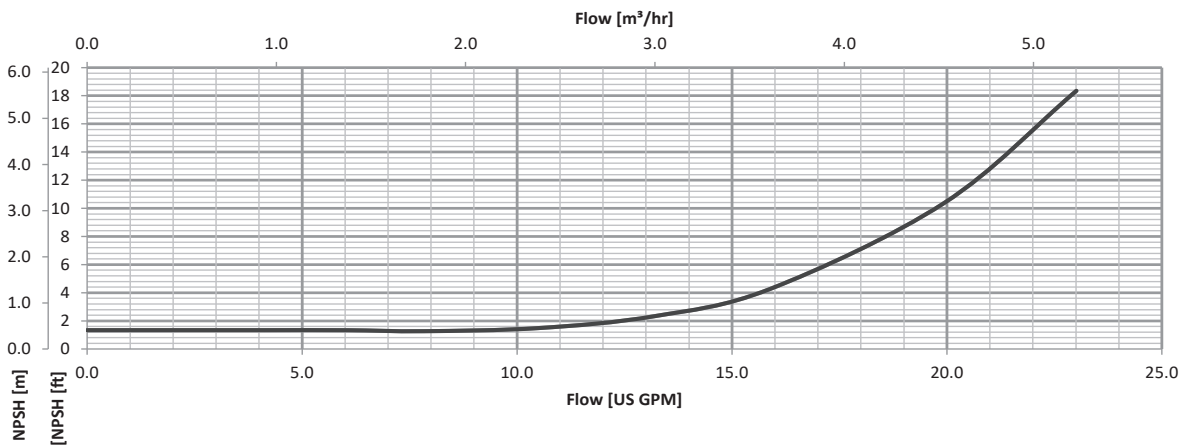
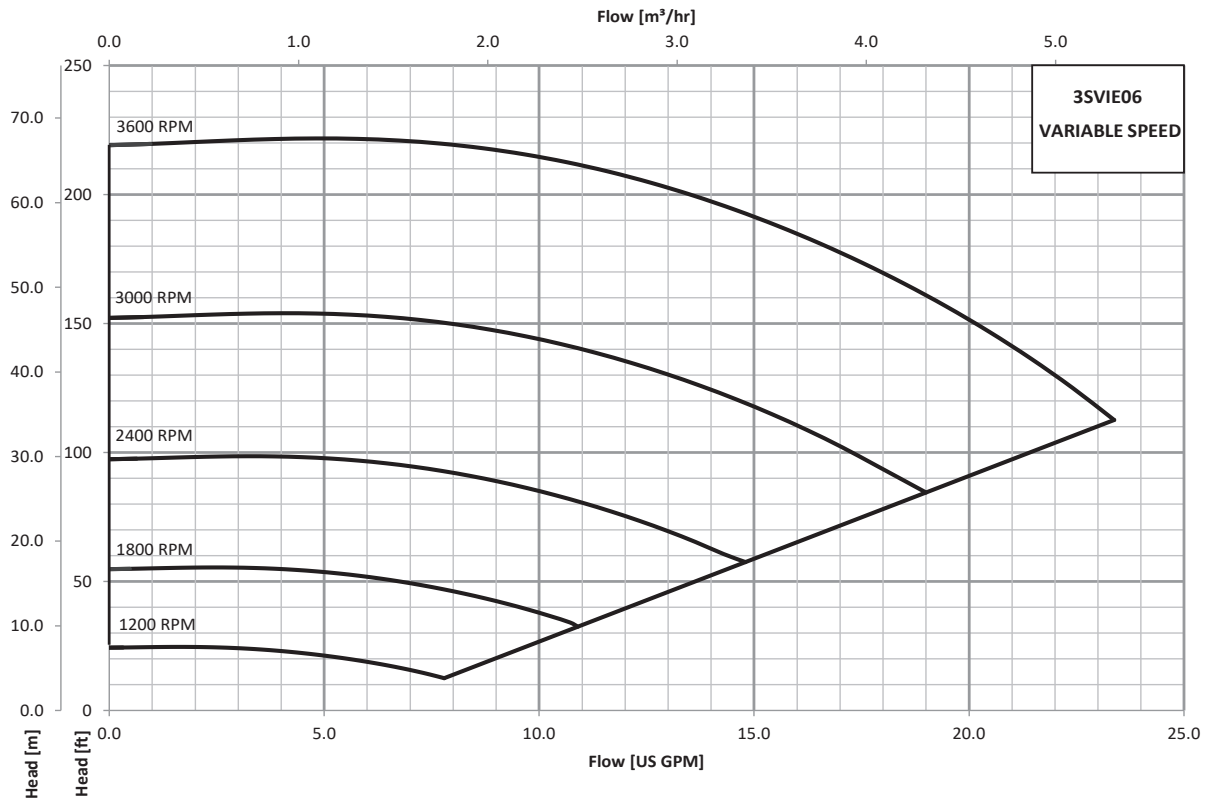
PERFORMANCE CURVES WITH SMART MOTOR 3 e-SVIE COUPLED



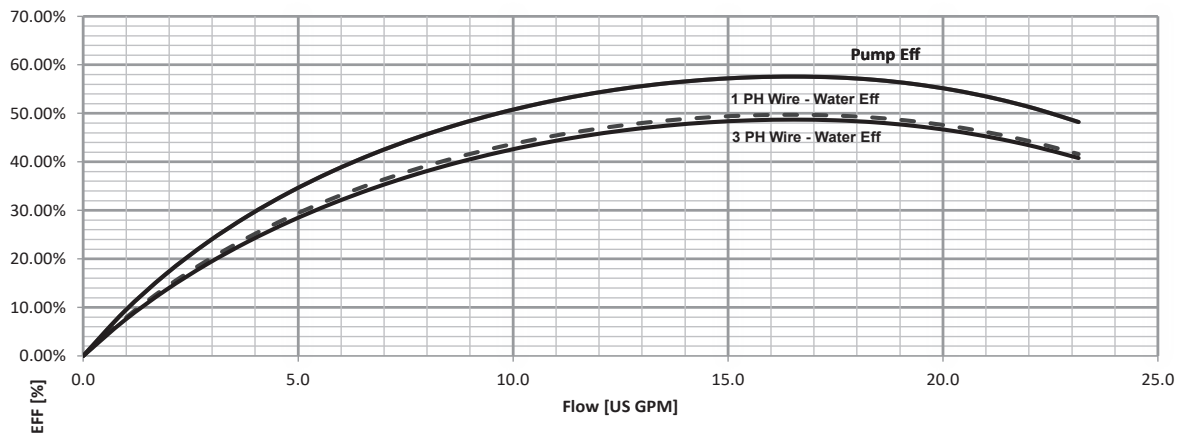
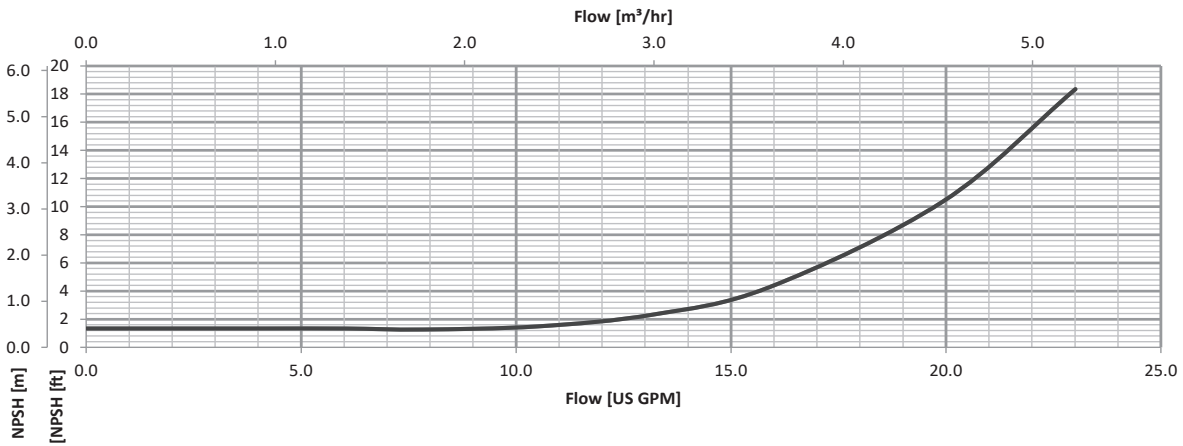
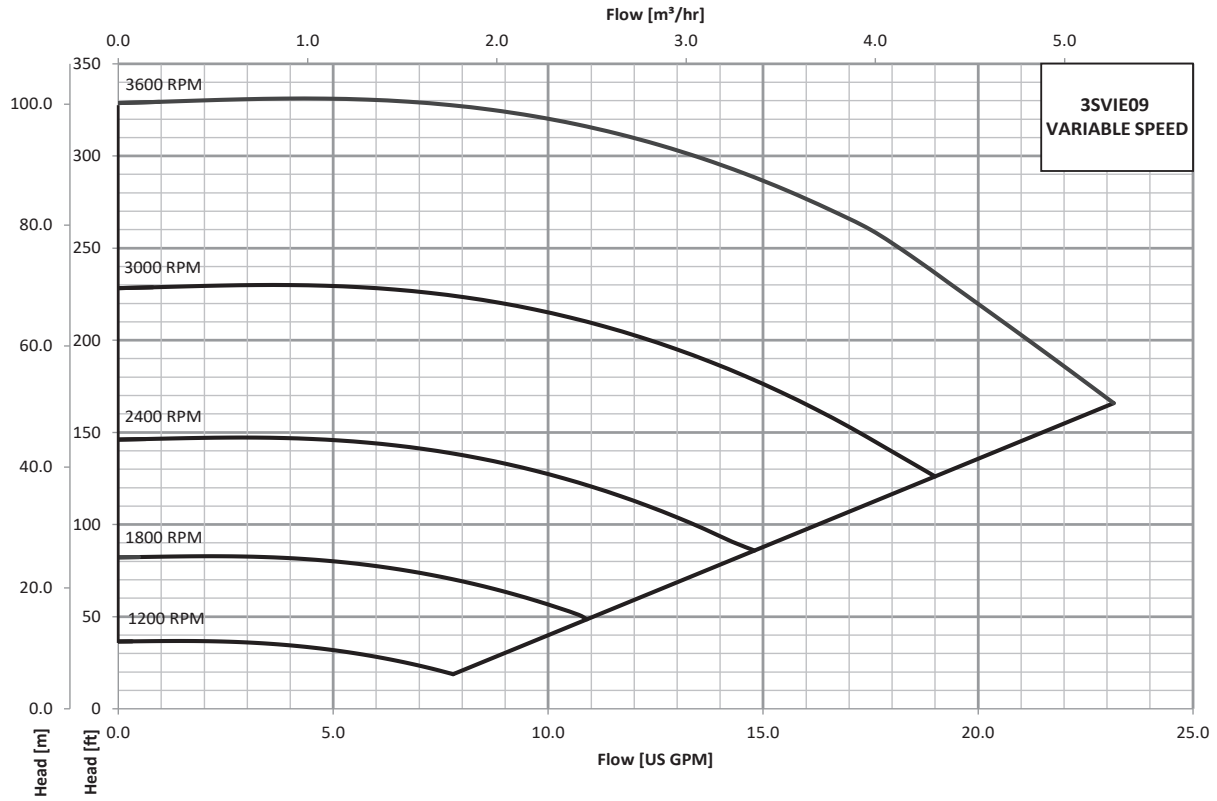
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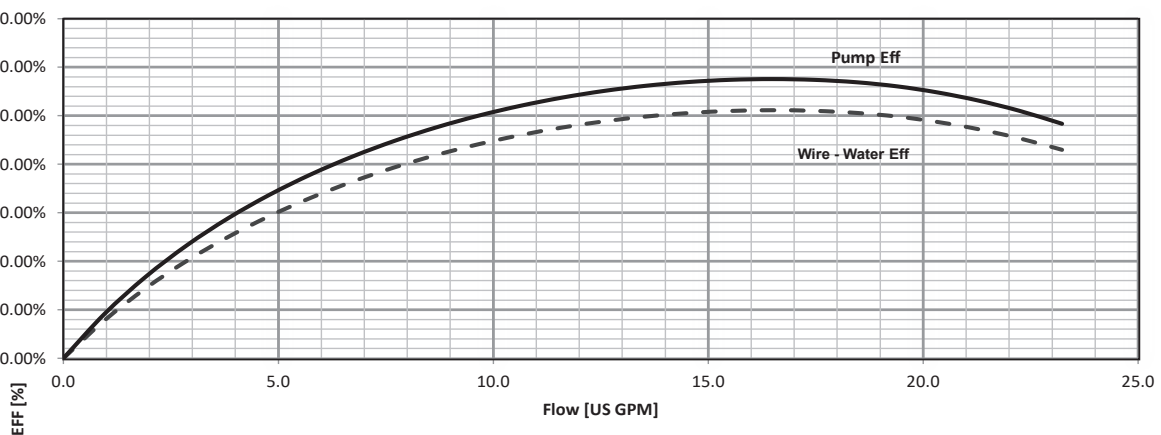
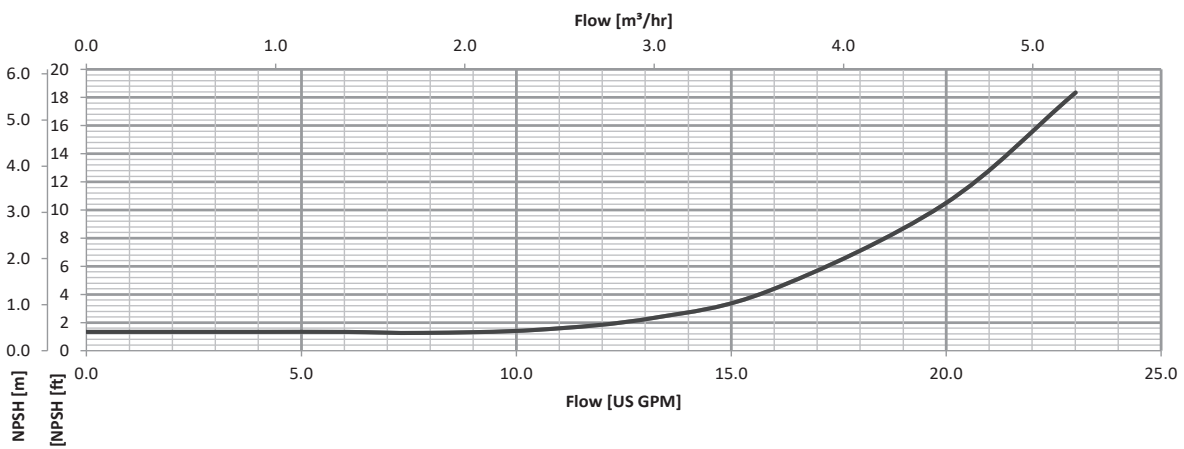
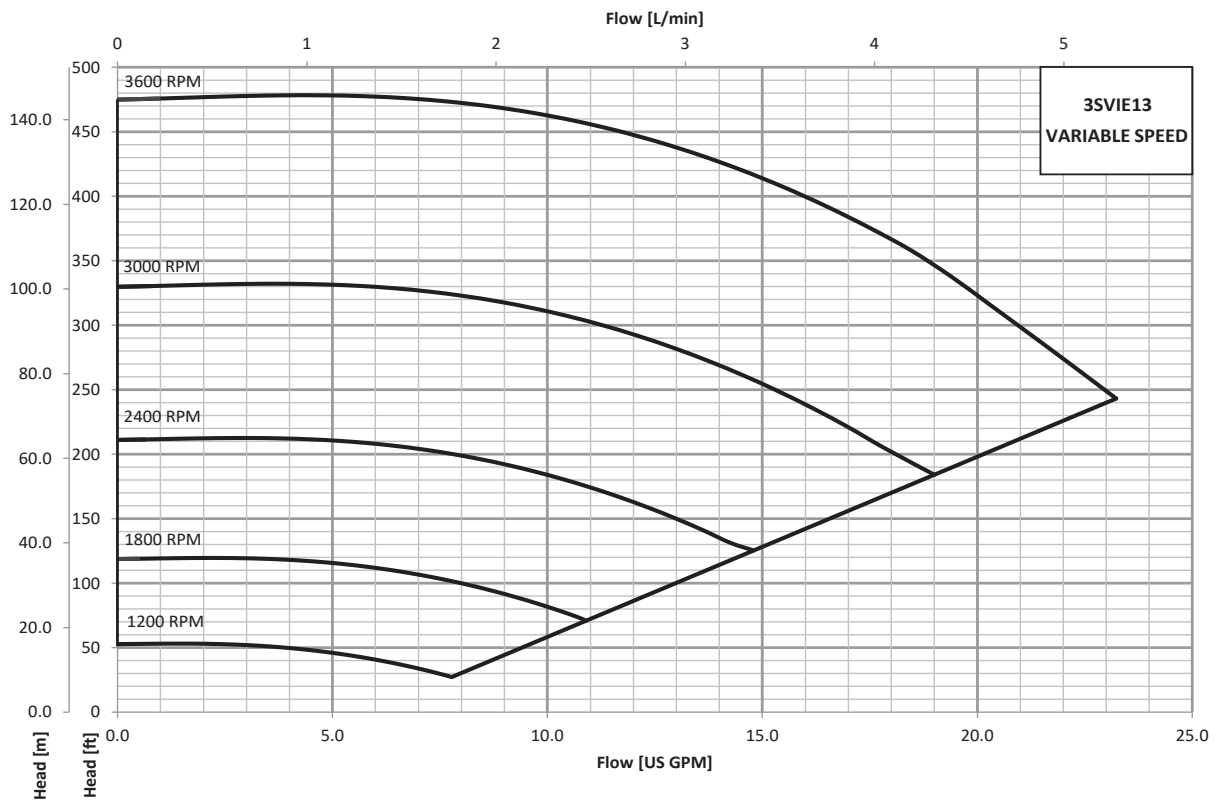
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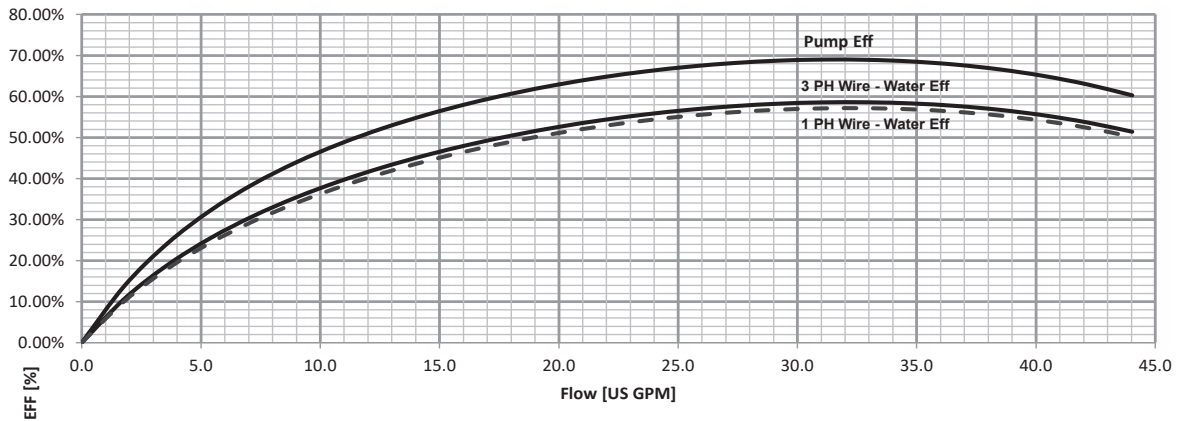
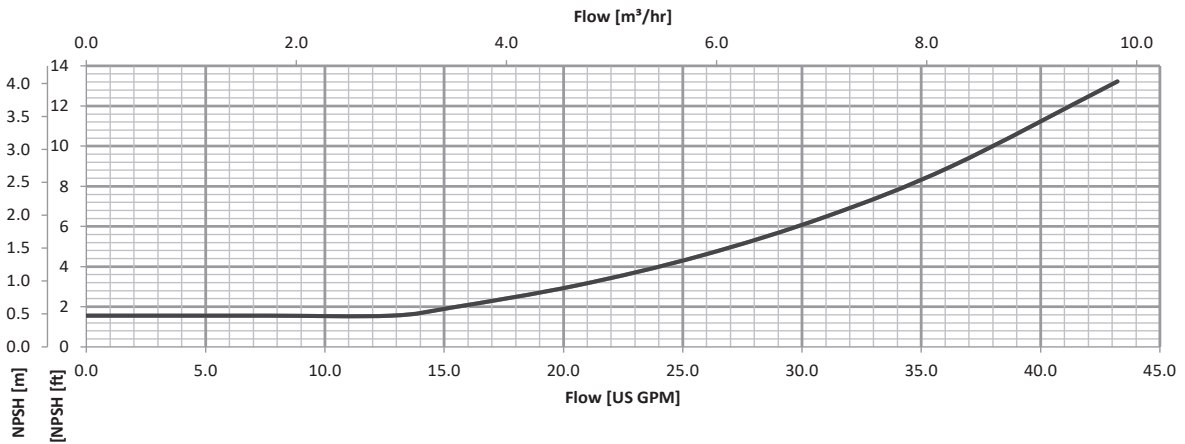
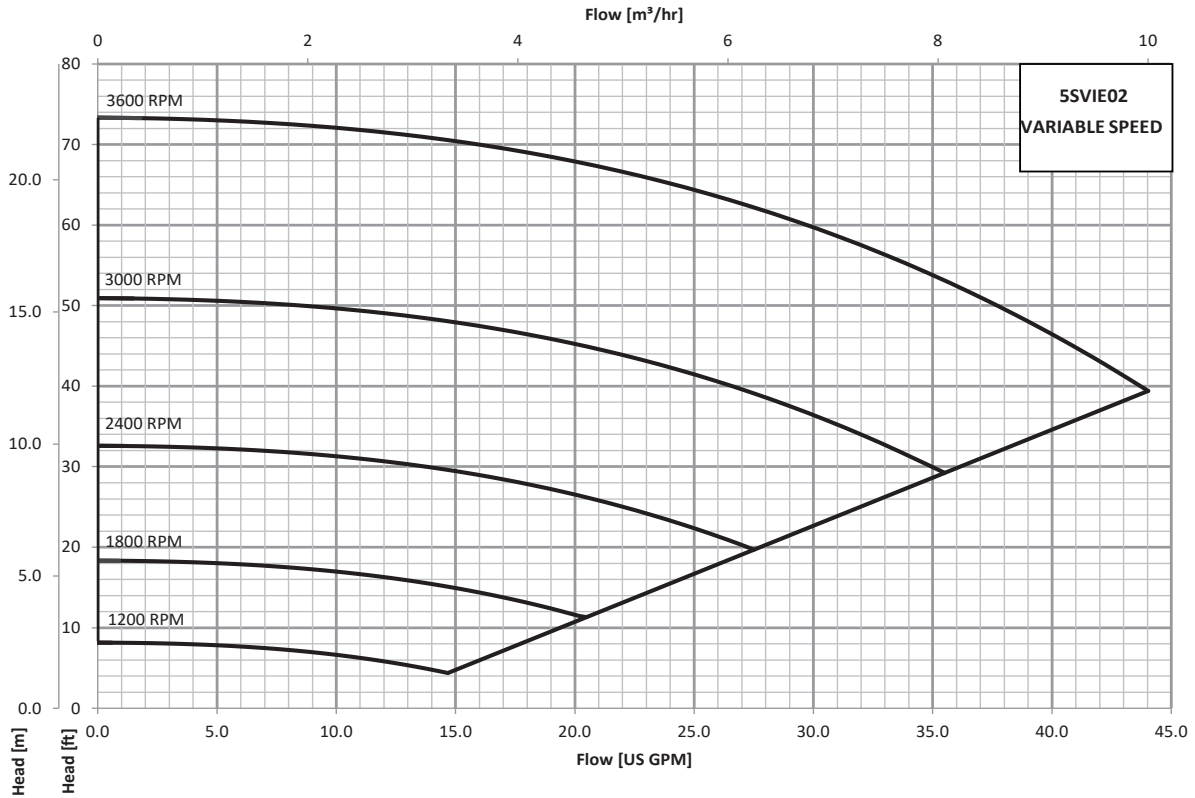
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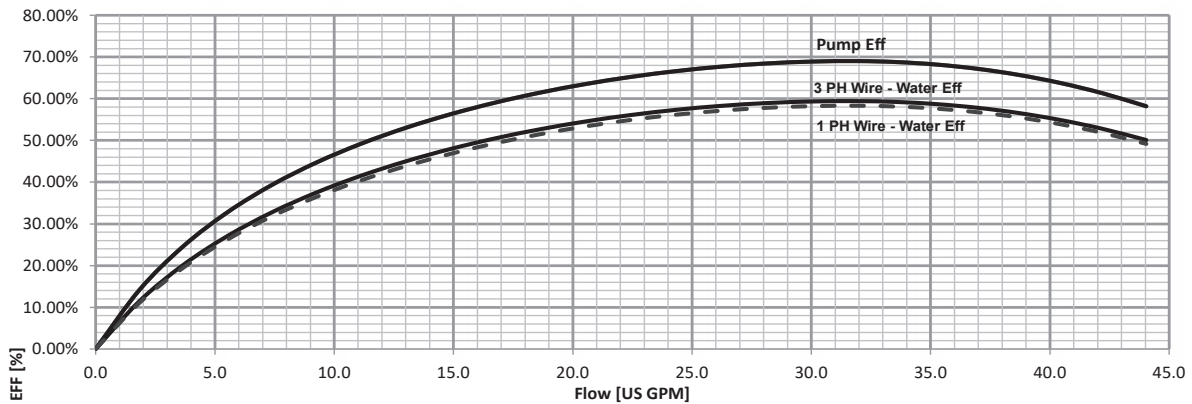
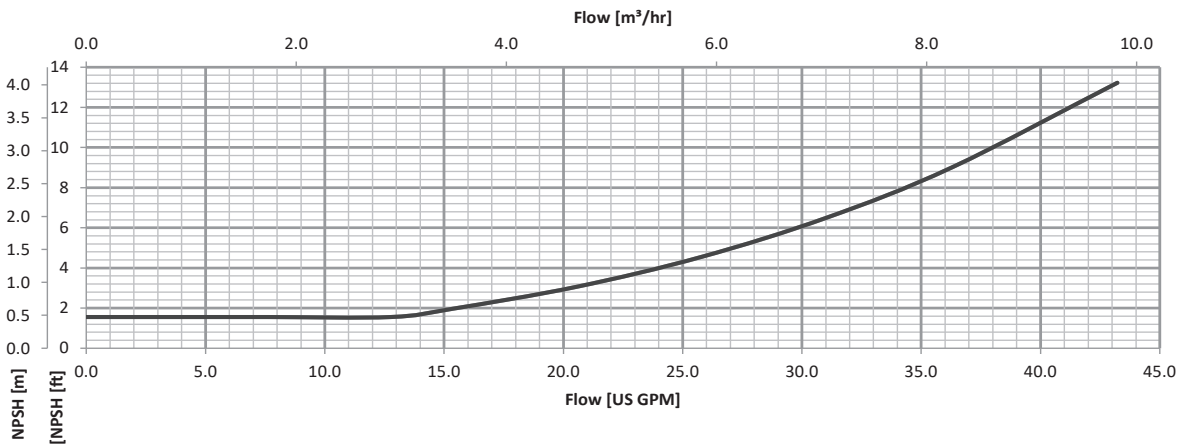
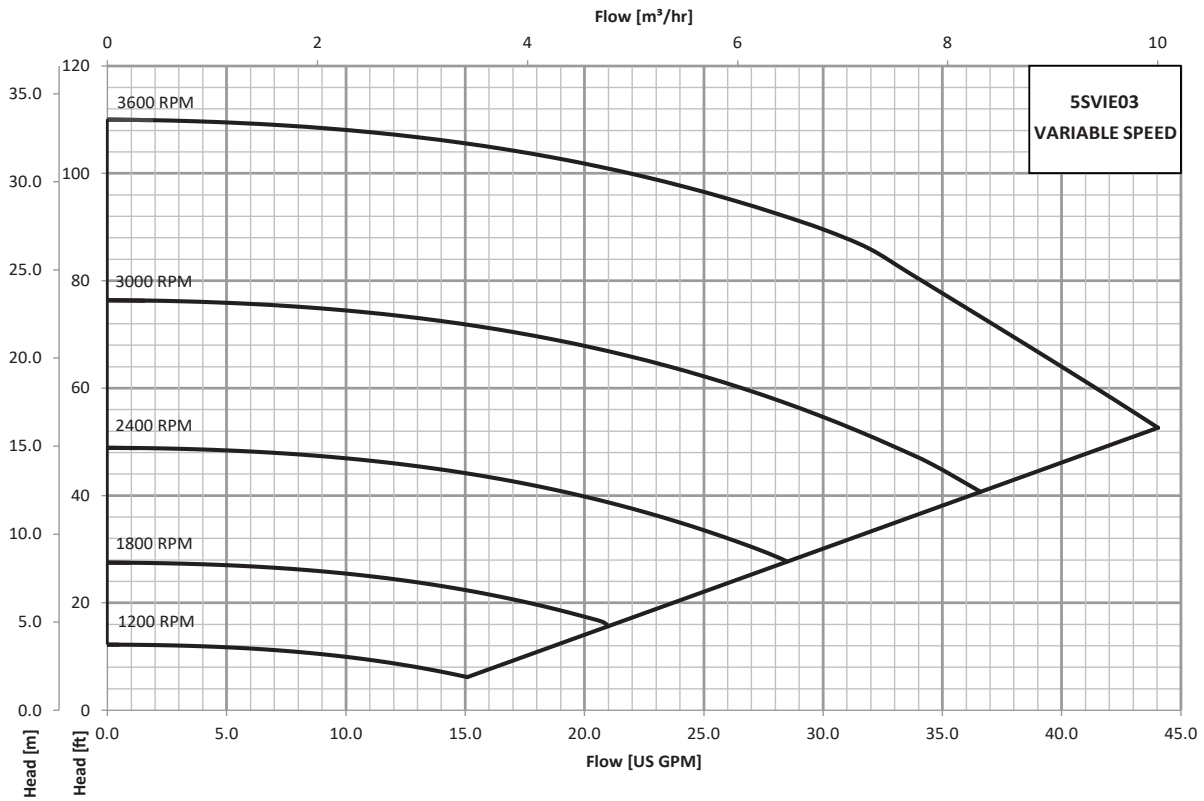
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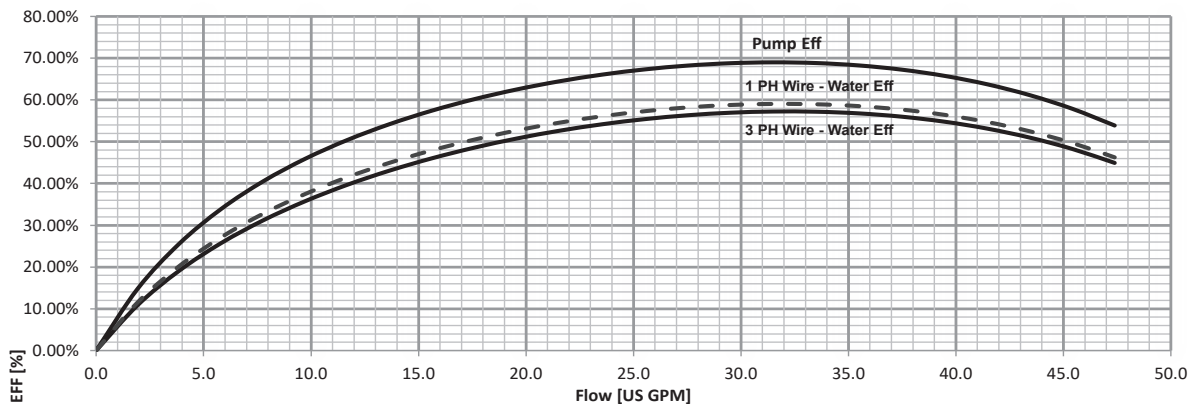
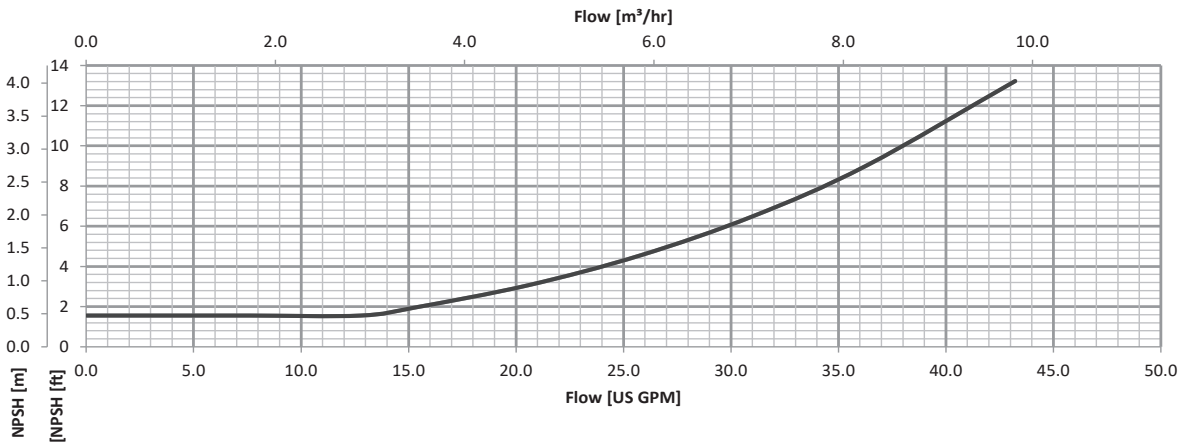
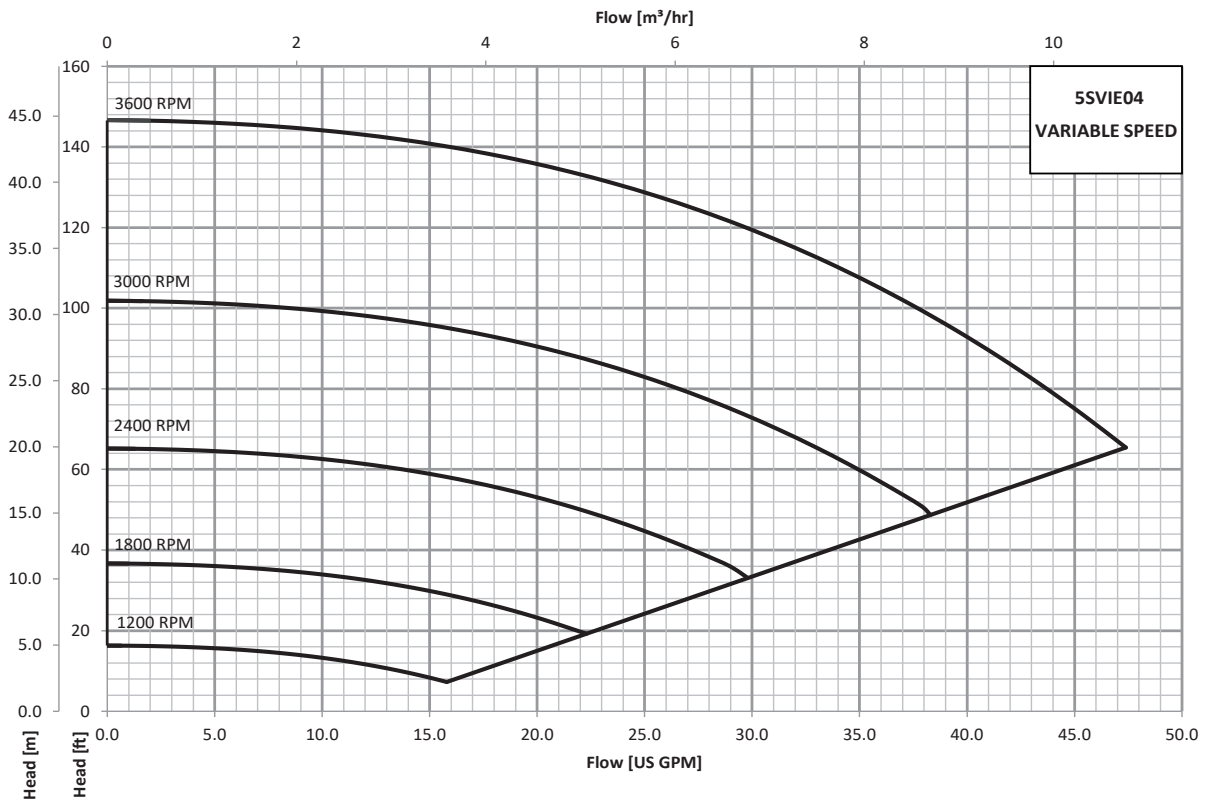
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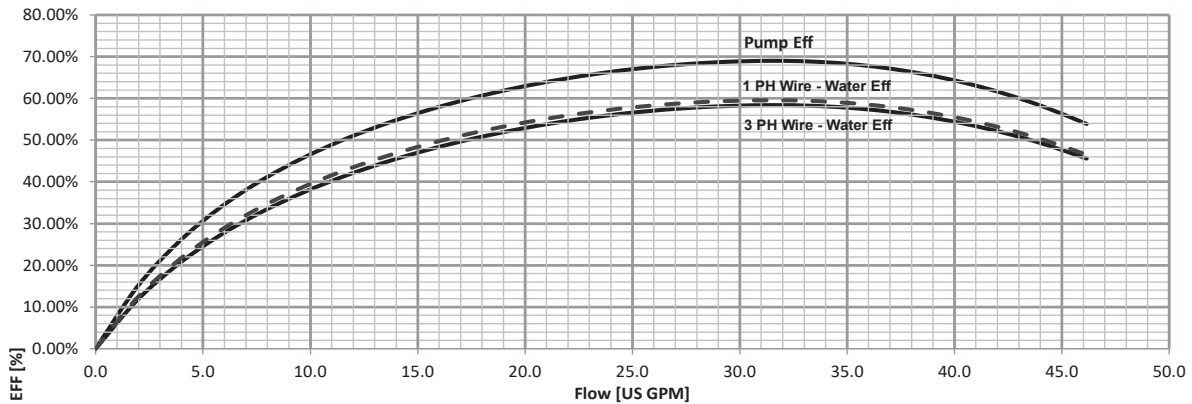
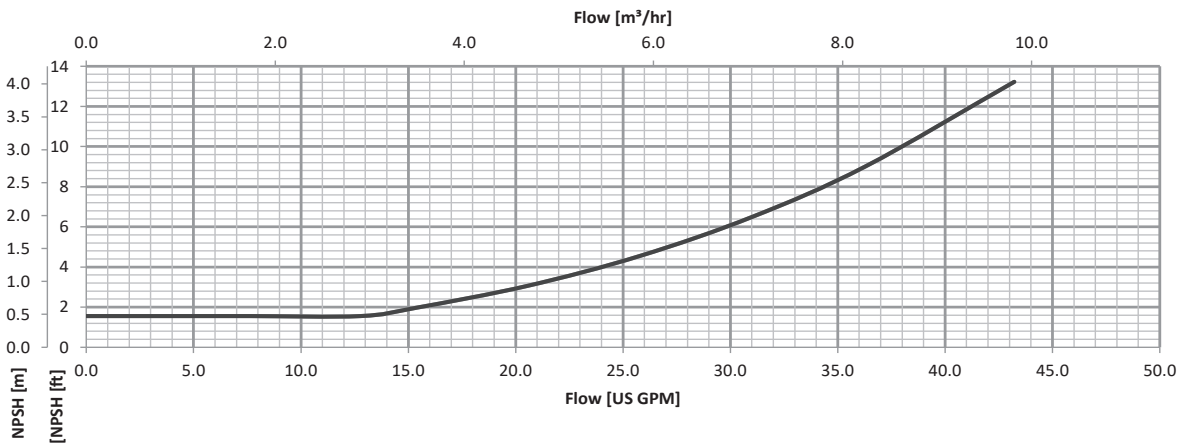
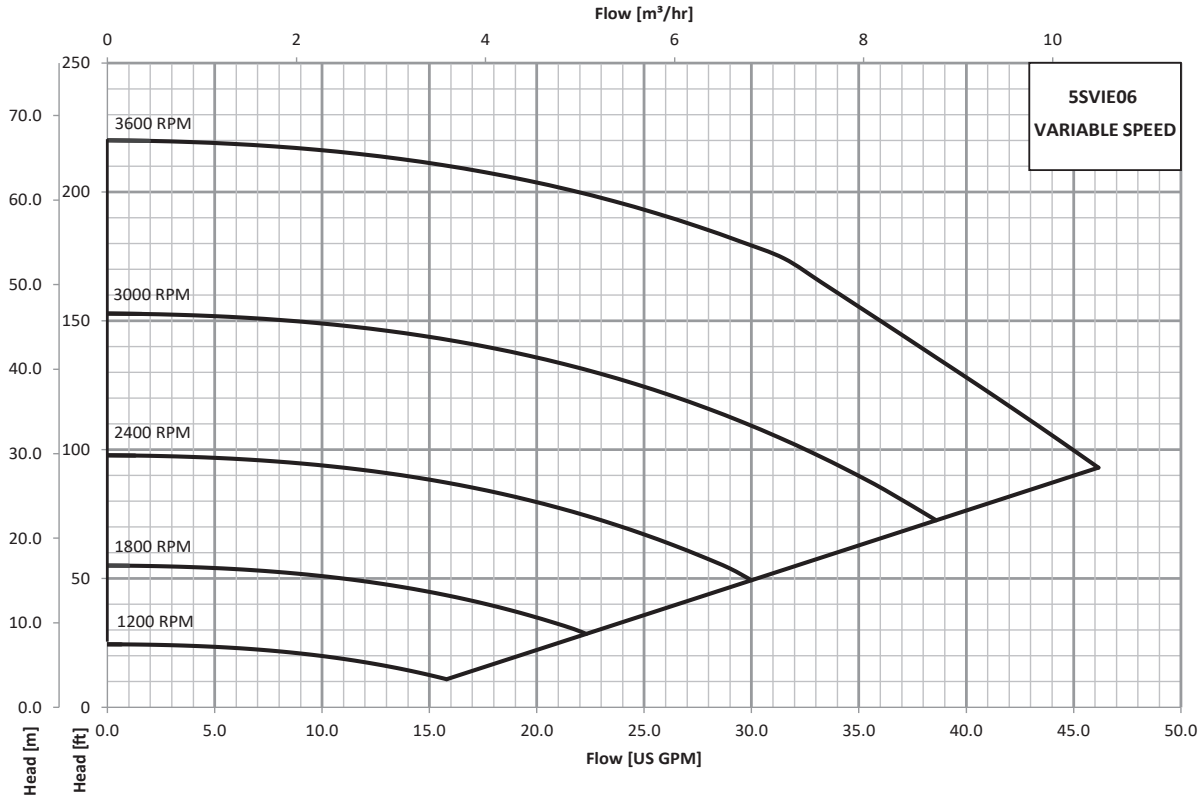
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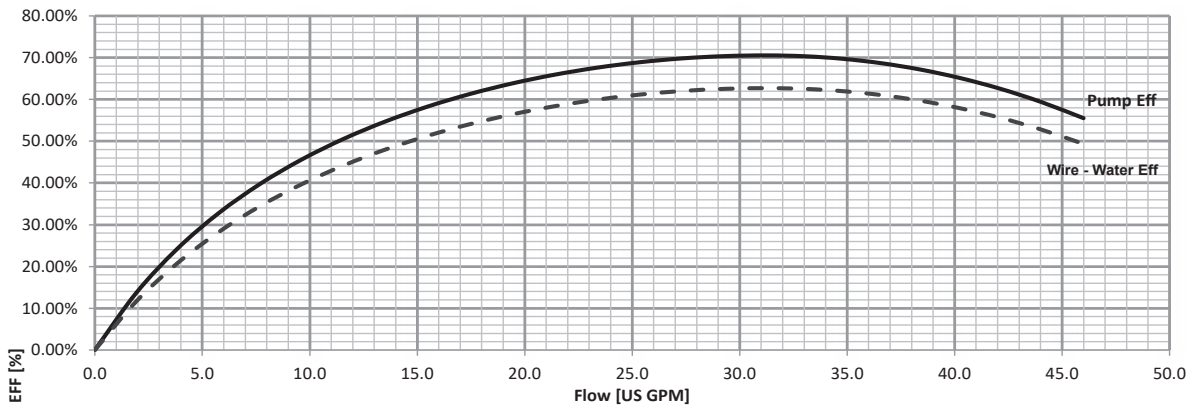
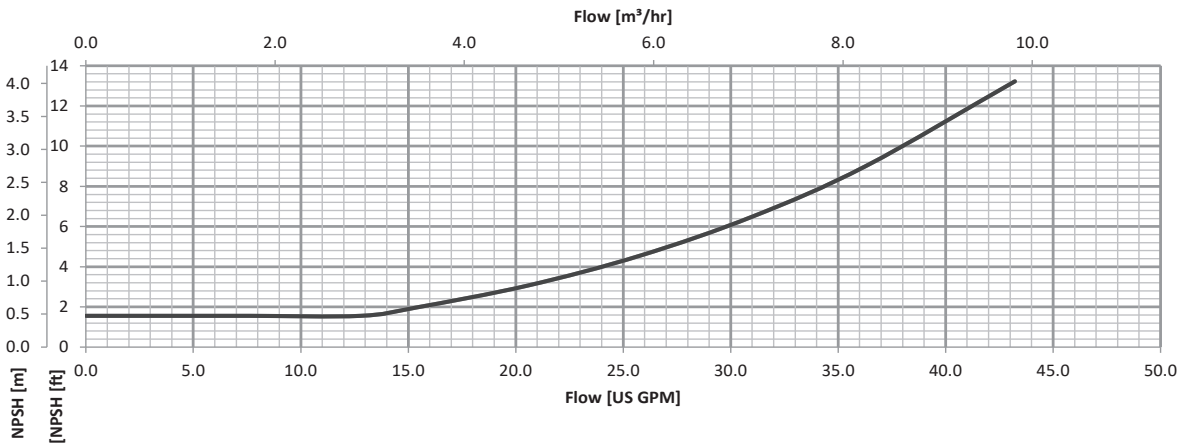
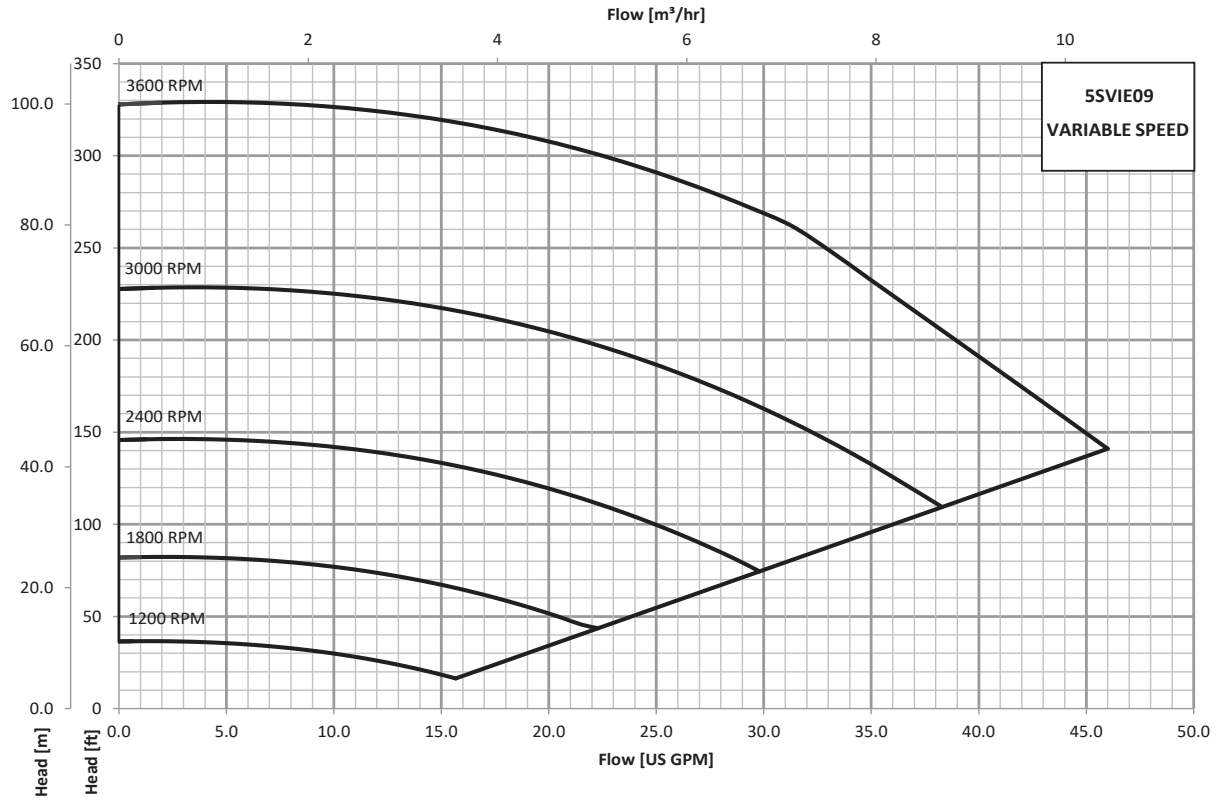
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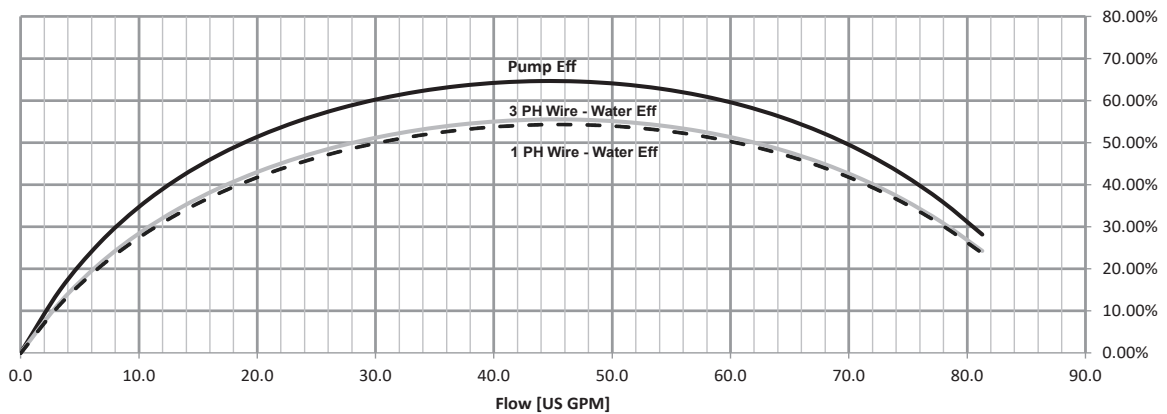
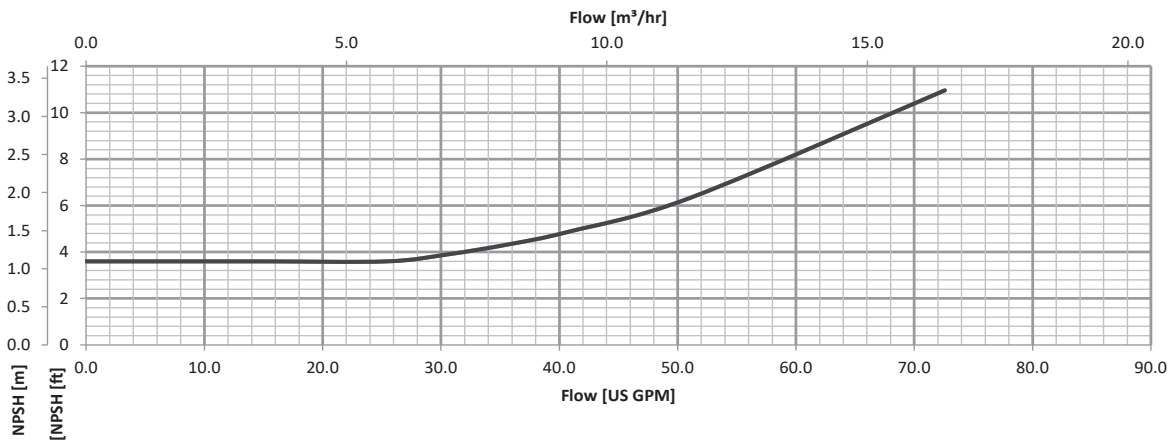
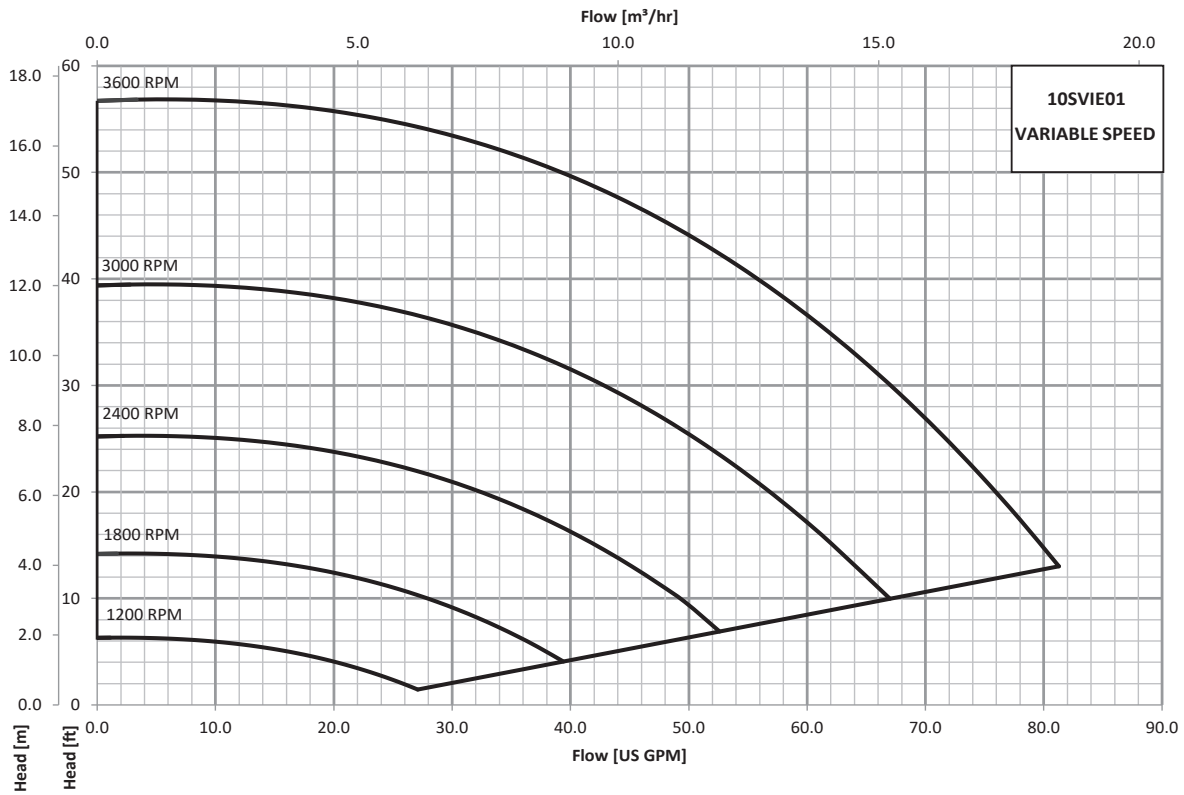
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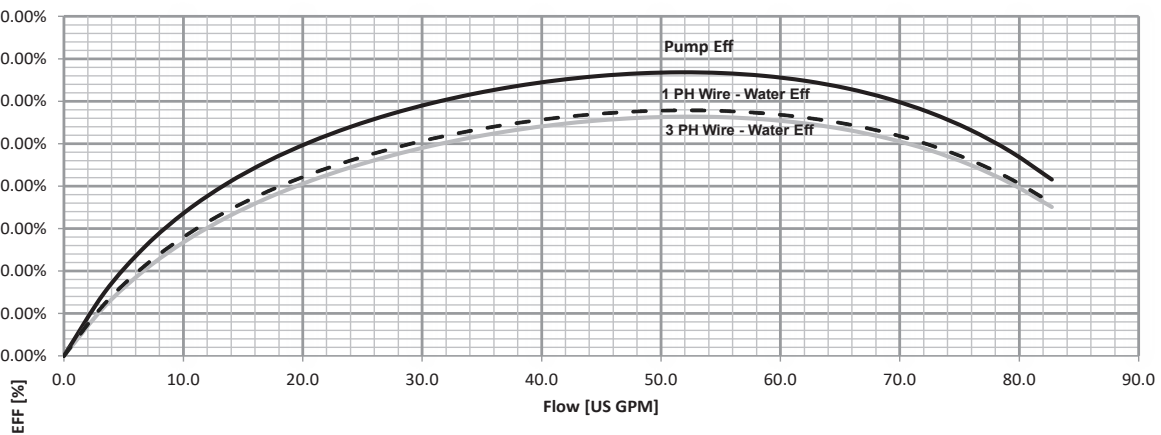
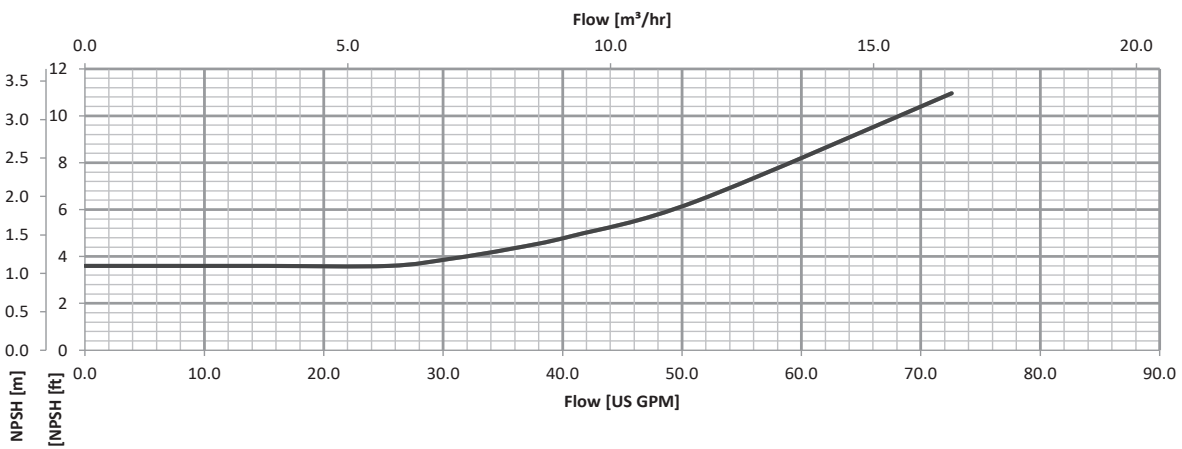
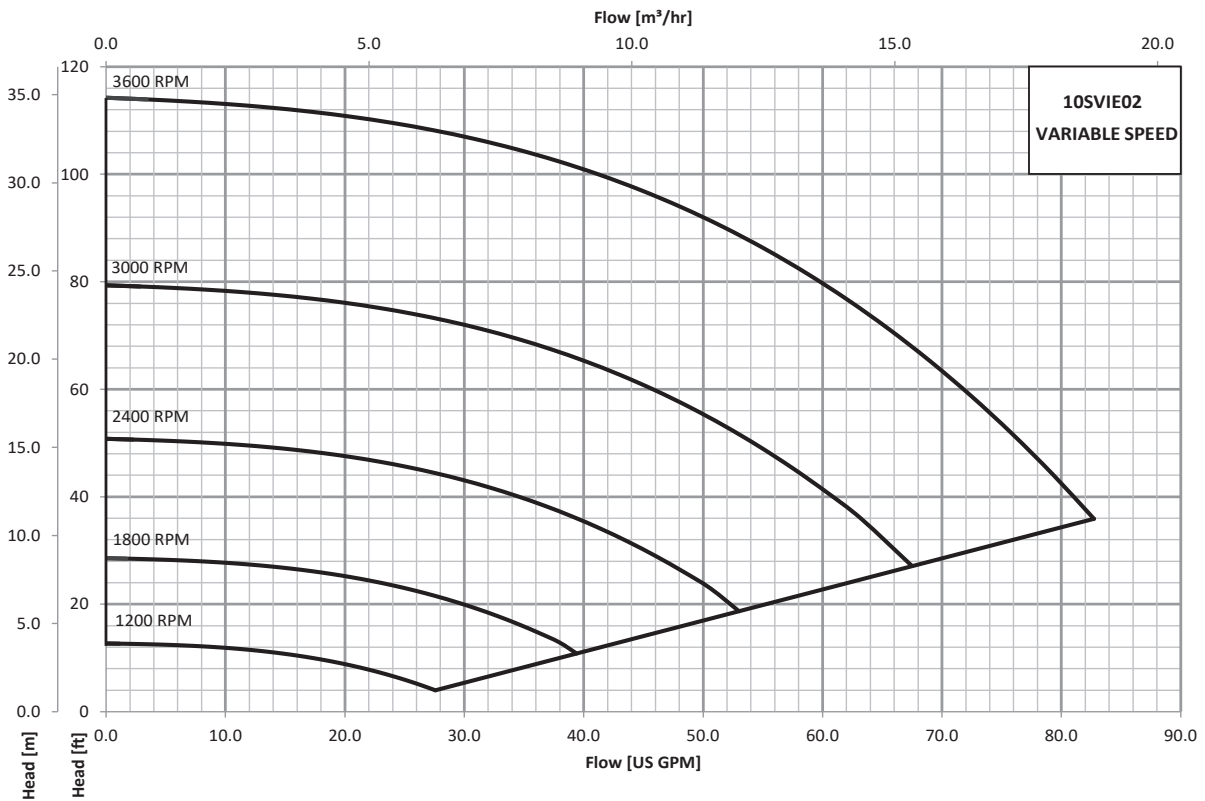
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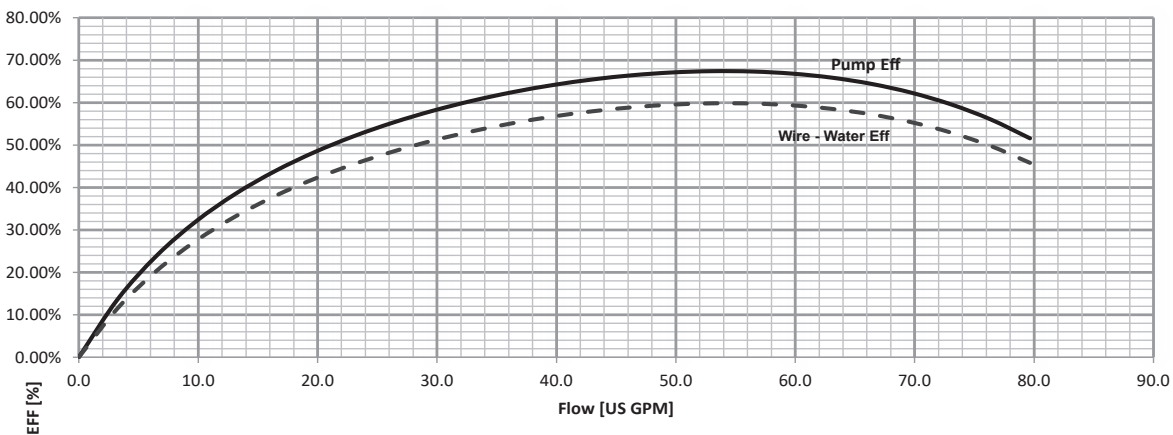
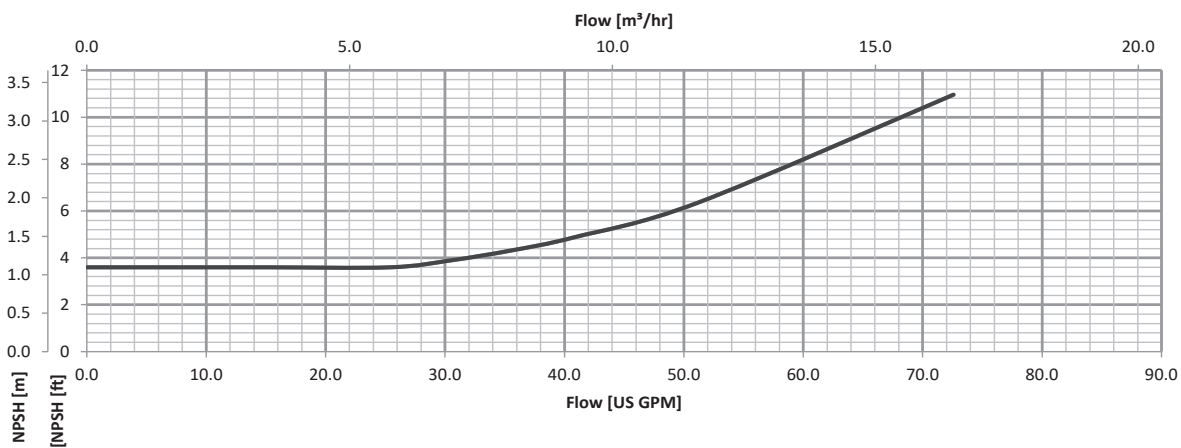
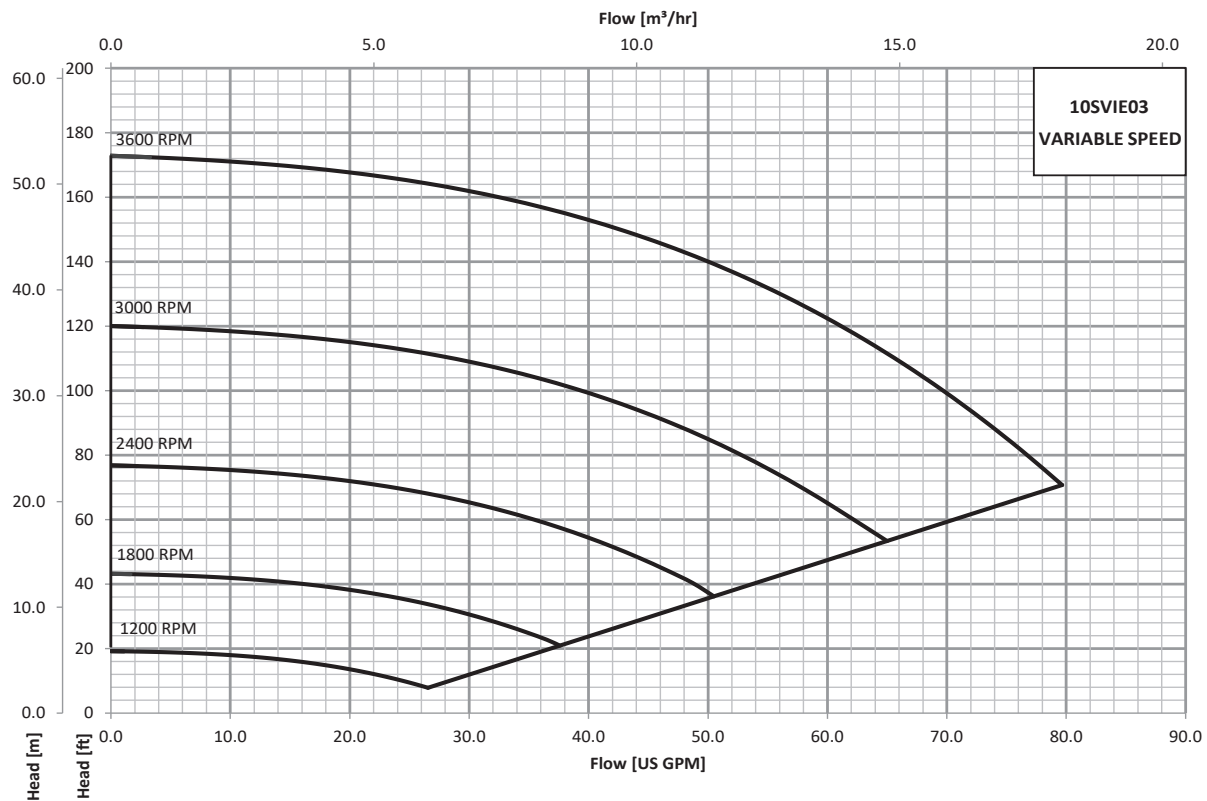
PERFORMANCE CURVES WITH SMART MOTOR 10 e-SVIE COUPLED



PERFORMANCE CURVES WITH SMART MOTOR 10 e-SVIE COUPLED



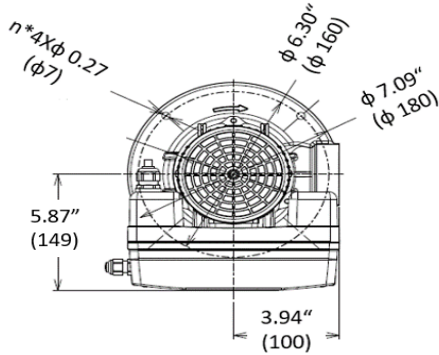
PERFORMANCE CURVES WITH SMART MOTOR 10 e-SVIE COUPLED



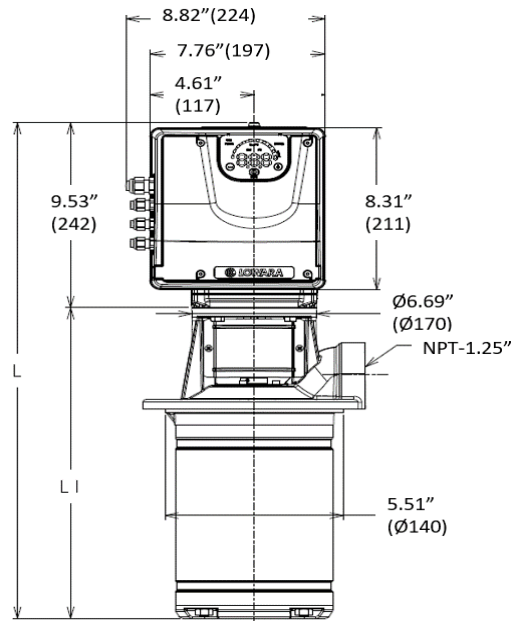
DIMENSIONS AND WEIGHTS

1 e-SVIE COUPLED

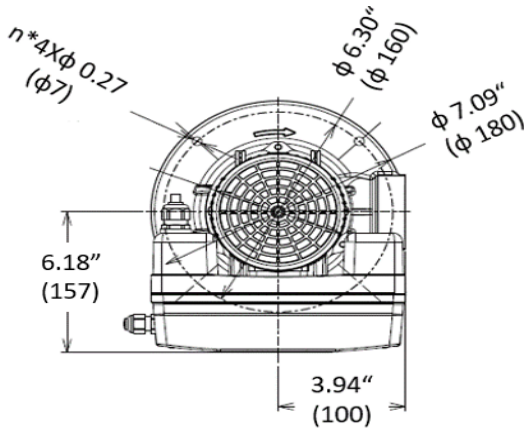
e-SVIE 1-3-5 NEMA (e-SM)-1 PHASE



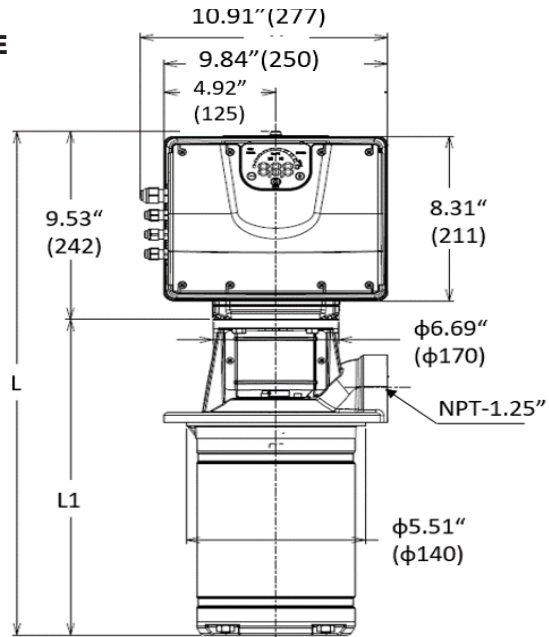
Sketch with Inducer shown



e-SVIE 1-3-5 NEMA (e-SM)-3 PHASE



Sketch with Inducer shown



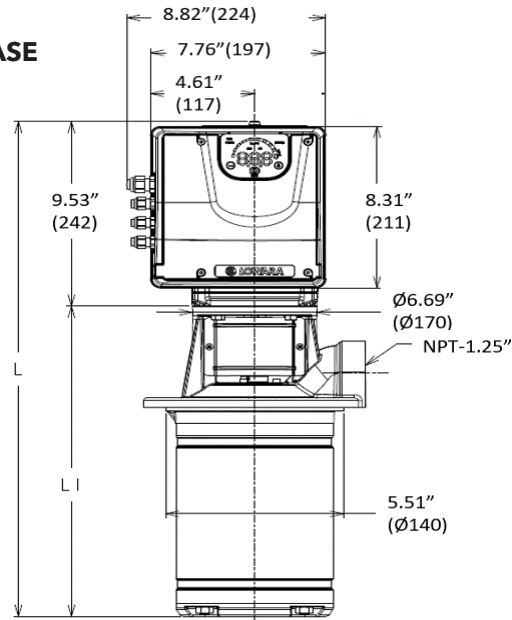
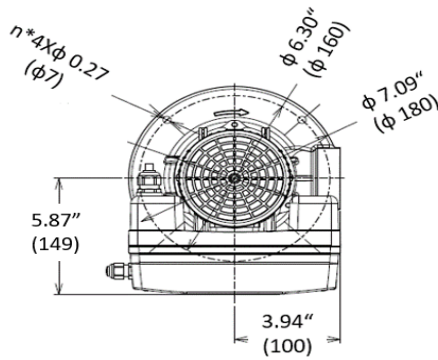
| Pump Configuration | Motor | | | Dimensions (IN) | | | Weight (LBS.) | | | | |
|--------------------|-------|------|-----------|-----------------|-------|-------|---------------|-------|----|---------------|----|
| | KW | HP | IEC Frame | L1 | L | | "Pump Only" | Motor | | Electric Pump | |
| | | | | | 1Ø | 3Ø | | 1Ø | 3Ø | 1Ø | 3Ø |
| 1SVI04-04 | 0.37 | 0.50 | 56C | 12.70 | 22.22 | 22.22 | 21 | 17 | 28 | 38 | 49 |
| 1SVI06-06 | 0.55 | 0.75 | 56C | 14.27 | 23.80 | 23.80 | 23 | 17 | 28 | 40 | 51 |
| 1SVI08-08 | 0.75 | 1.00 | 56C | 15.85 | 25.37 | 25.37 | 24 | 17 | 28 | 41 | 52 |
| 1SVI12-12 | 1.10 | 1.50 | 56C | 19.00 | 28.52 | 28.52 | 27 | 20 | 35 | 47 | 62 |
| 1SVI17-17 | 1.50 | 2.00 | 56C | 22.93 | 32.46 | 32.46 | 31 | 20 | 35 | 51 | 66 |
| 1SVI24-24 | 2.20 | 3.00 | 56C | 28.44 | - | 37.97 | 37 | - | 35 | - | 72 |

All listed dimensions are with inducer. SVI37-37 has 37 stages with impeller and 1 inducer chamber.

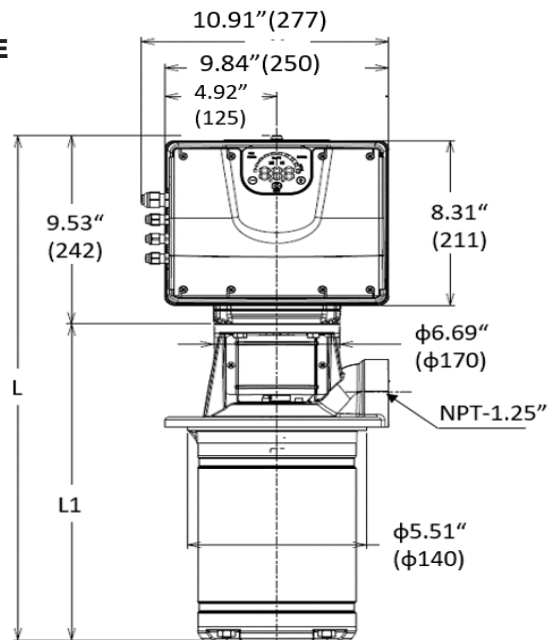
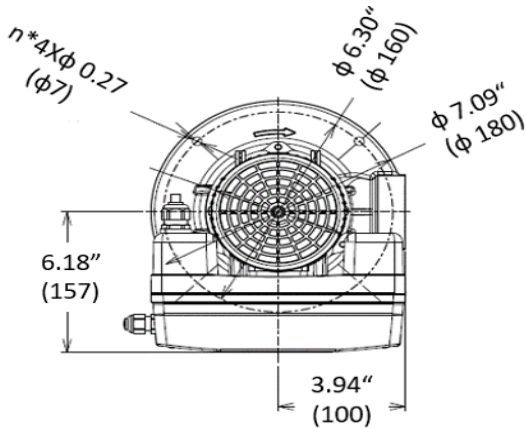
DIMENSIONS AND WEIGHTS

3 e-SVIE COUPLED

e-SVIE 1-3-5 NEMA (e-SM)-1 PHASE



e-SVIE 1-3-5 NEMA (e-SM)-3 PHASE



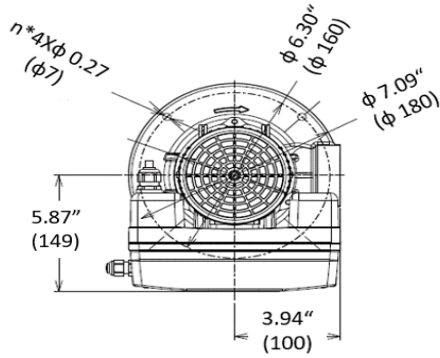
| Pump Configuration | Motor | | | Dimensions (IN) | | | Weight (LBS.) | | | | |
|--------------------|-------|------|-----------|-----------------|-------|-------|---------------|-------|----|---------------|----|
| | KW | HP | IEC Frame | L1 | L | | "Pump Only" | Motor | | Electric Pump | |
| | | | | | 1Ø | 3Ø | | 1Ø | 3Ø | 1Ø | 3Ø |
| 3SVI02-02 | 0.37 | 0.50 | 56C | 11.12 | 20.65 | 20.65 | 19 | 17 | 28 | 36 | 47 |
| 3SVI03-03 | 0.55 | 0.75 | 56C | 11.91 | 21.44 | 21.44 | 20 | 17 | 28 | 37 | 48 |
| 3SVI04-04 | 0.75 | 1.00 | 56C | 12.70 | 22.22 | 22.22 | 21 | 17 | 28 | 38 | 49 |
| 3SVI06-06 | 1.10 | 1.50 | 56C | 14.27 | 23.80 | 23.80 | 23 | 20 | 35 | 43 | 58 |
| 3SVI09-09 | 1.50 | 2.00 | 56C | 16.63 | 26.16 | 26.16 | 25 | 20 | 35 | 45 | 60 |
| 3SVI13-13 | 2.20 | 3.00 | 56C | 19.78 | - | 29.31 | 28 | - | 35 | - | 63 |

All listed dimensions are with inducer. SVI33-33 has 33 Stages with impeller and 1 inducer chamber.

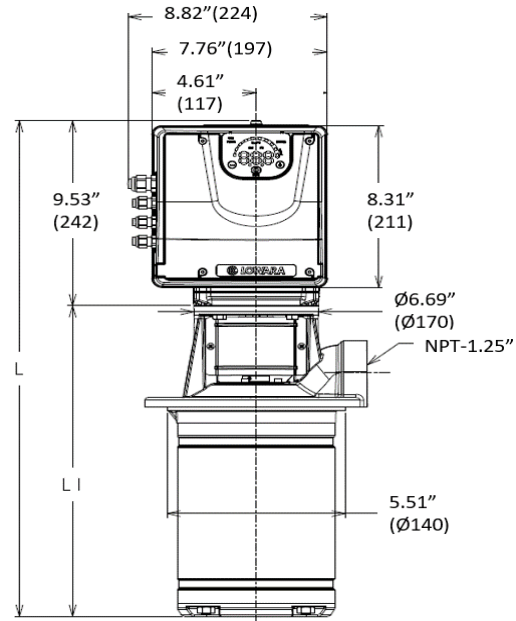
DIMENSIONS AND WEIGHTS

5 e-SVIE COUPLED

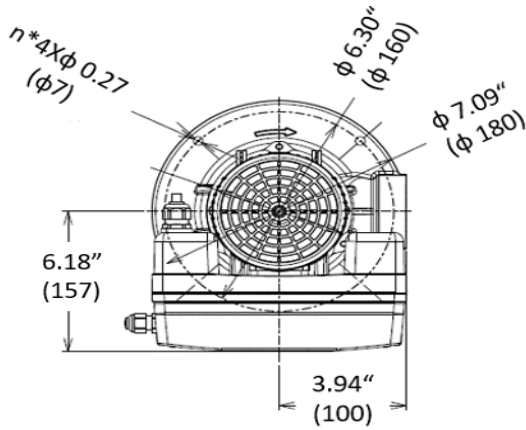
e-SVIE 1-3-5 NEMA (e-SM)-1 PHASE



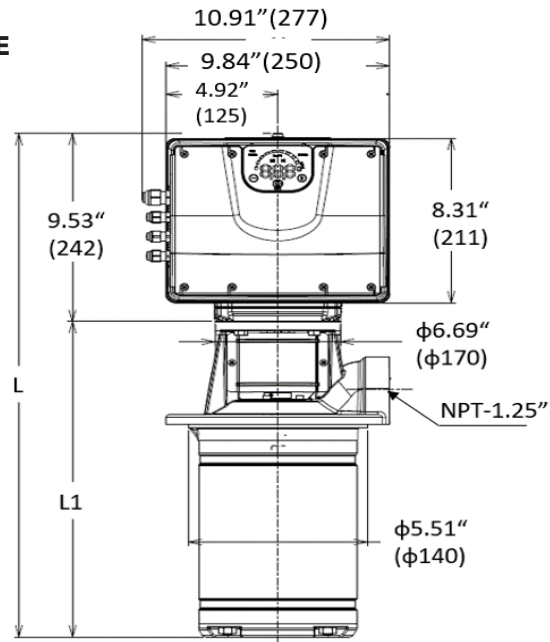
Sketch with Inducer shown



e-SVIE 1-3-5 NEMA (e-SM)-3 PHASE



Sketch with Inducer shown



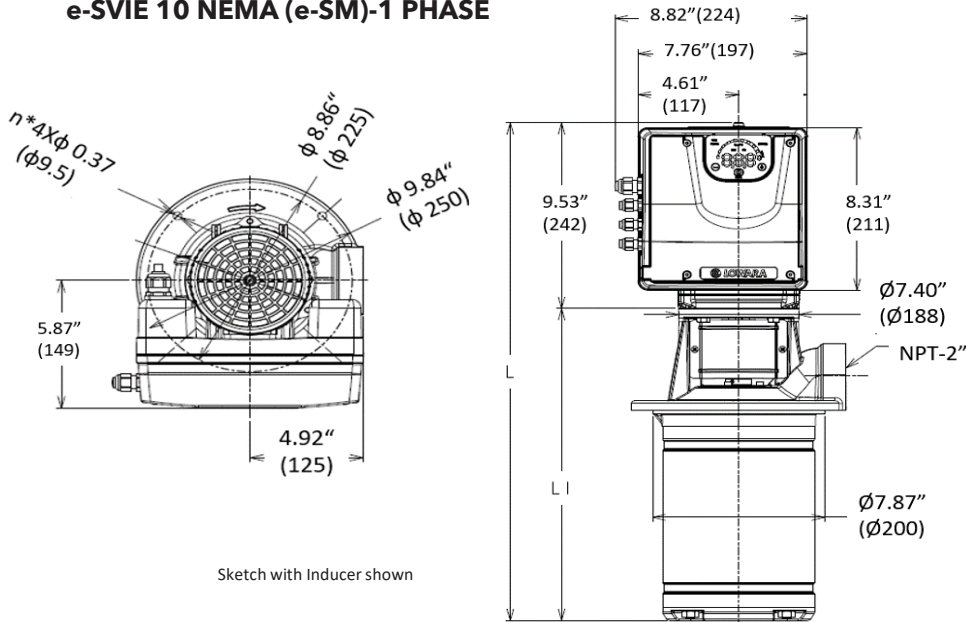
| Pump Configuration | Motor | | | Dimensions (IN) | | | Weight (LBS.) | | | | |
|--------------------|-------|------|-----------|-----------------|-------|-------|---------------|-------|----|---------------|----|
| | KW | HP | IEC Frame | L1 | L | | "Pump Only" | Motor | | Electric Pump | |
| | | | | | 1Ø | 3Ø | | 1Ø | 3Ø | 1Ø | 3Ø |
| 5SVI02-02 | 0.55 | 0.75 | 56C | 11.71 | 21.24 | 21.24 | 23 | 17 | 28 | 40 | 51 |
| 5SVI03-03 | 0.75 | 1.00 | 56C | 12.70 | 22.22 | 22.22 | 23 | 17 | 28 | 40 | 51 |
| 5SVI04-04 | 1.10 | 1.50 | 56C | 13.68 | 23.21 | 23.21 | 23 | 17 | 28 | 40 | 51 |
| 5SVI06-06 | 1.50 | 2.00 | 56C | 15.65 | 25.18 | 25.18 | 24 | 20 | 35 | 44 | 59 |
| 5SVI09-09 | 2.20 | 3.00 | 56C | 18.60 | - | 28.13 | 24 | - | 35 | - | 59 |

All listed dimensions are with inducer. SVI33-33 has 33 stages with impeller and 1 inducer chamber.

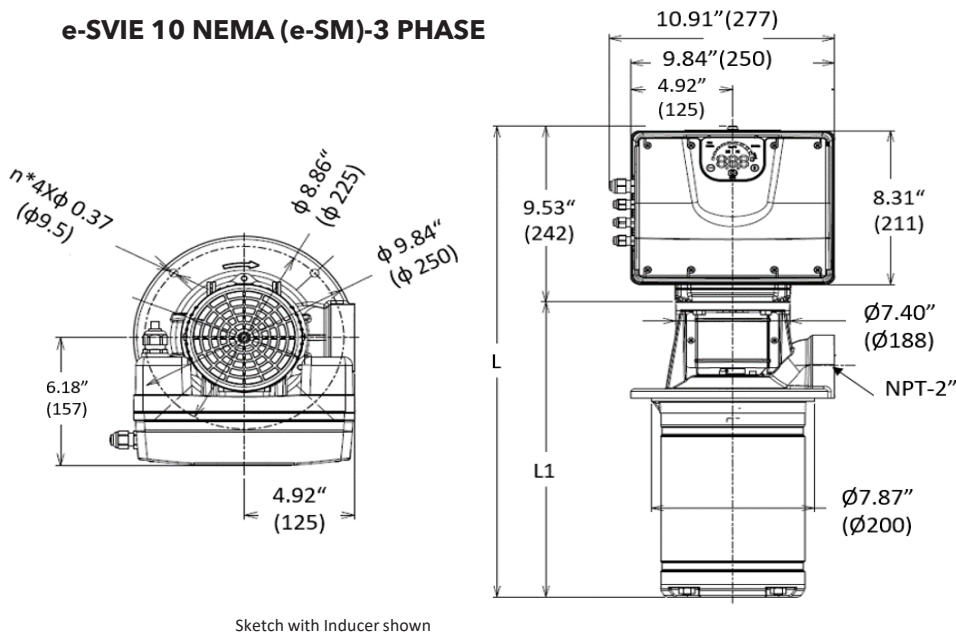
DIMENSIONS AND WEIGHTS

10 e-SVIE COUPLED

e-SVIE 10 NEMA (e-SM)-1 PHASE



e-SVIE 10 NEMA (e-SM)-3 PHASE

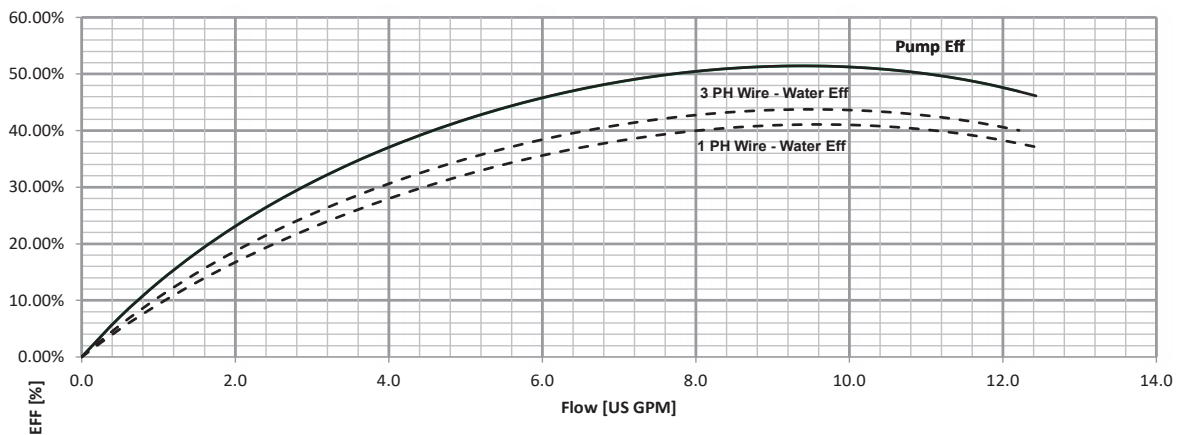
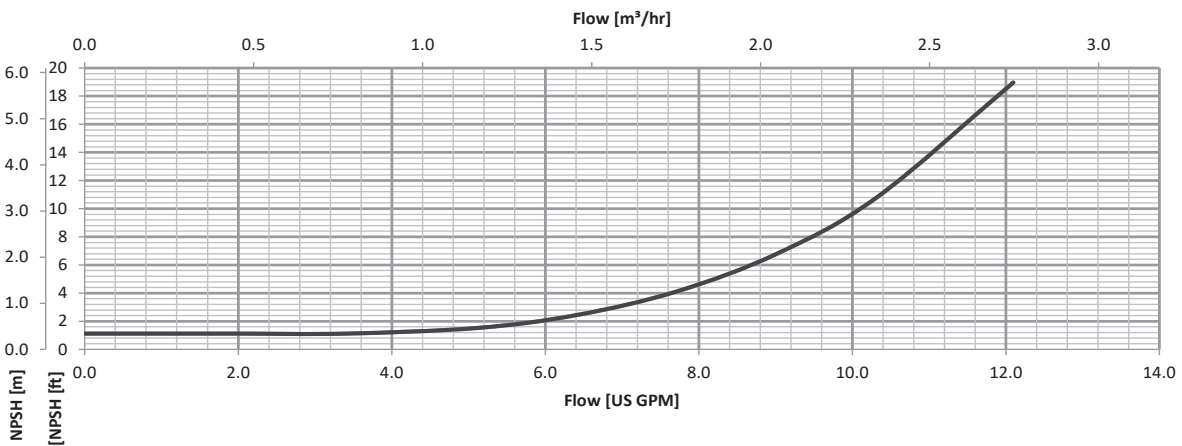
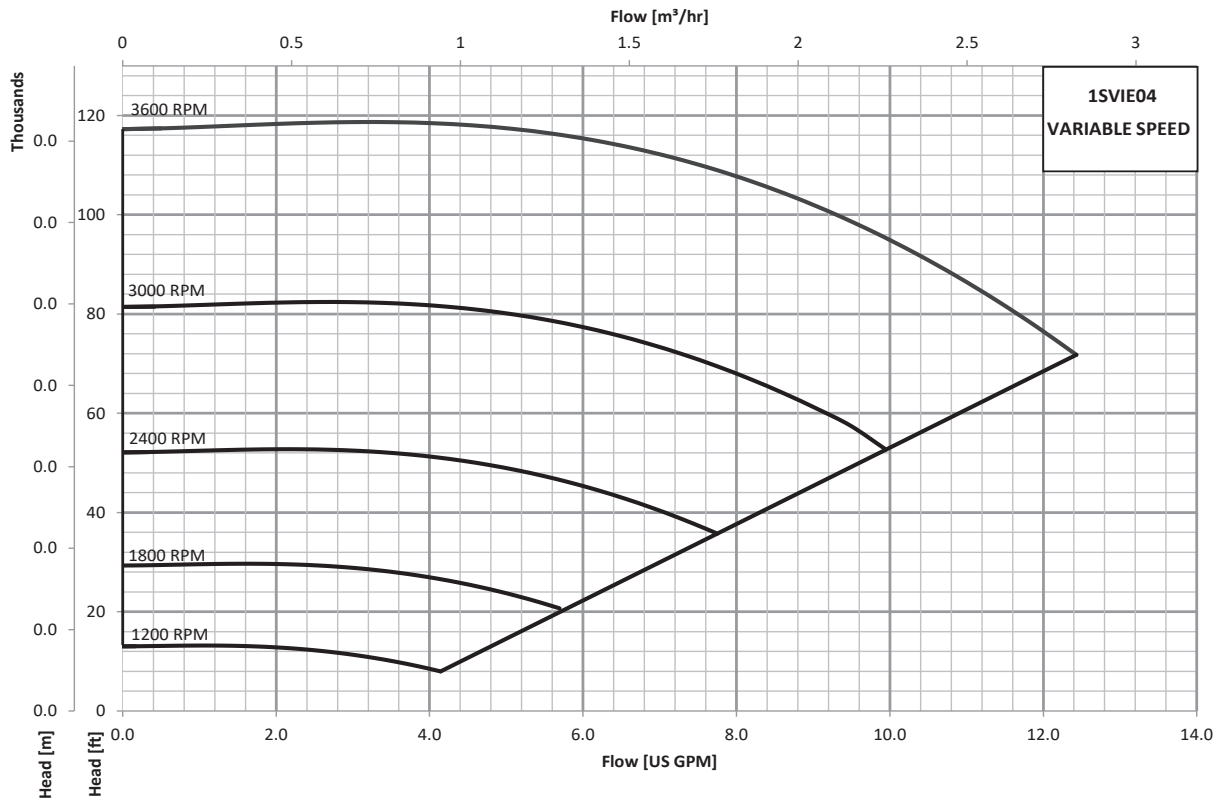


| Pump Configuration | Motor | | | Dimensions (IN) | | | Weight (LBS.) | | | | |
|--------------------|-------|------|-----------|-----------------|-------|-------|---------------|-------|----|---------------|----|
| | KW | HP | IEC Frame | L1 | L | | "Pump Only" | Motor | | Electric Pump | |
| | | | | | 1Ø | 3Ø | | 1Ø | 3Ø | 1Ø | 3Ø |
| 10SVI02-01 | 0.75 | 1.00 | 56C | 13.17 | 22.70 | 22.70 | 37 | 17 | 28 | 54 | 65 |
| 10SVI02-02 | 1.10 | 2.00 | 56C | 14.43 | 23.96 | 23.96 | 38 | 20 | 35 | 58 | 73 |
| 10SVI03-03 | 1.50 | 3.00 | 56C | 15.69 | - | 25.22 | 38 | - | 35 | - | 73 |

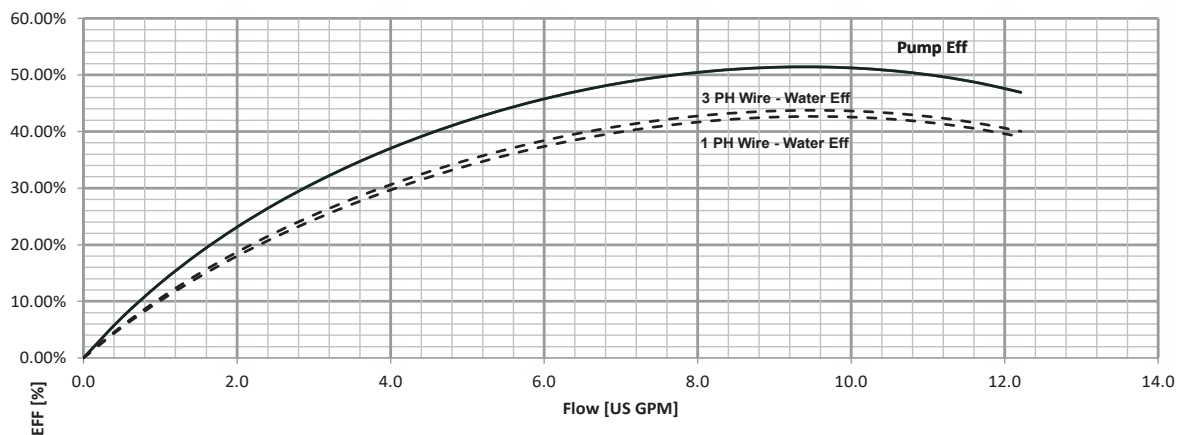
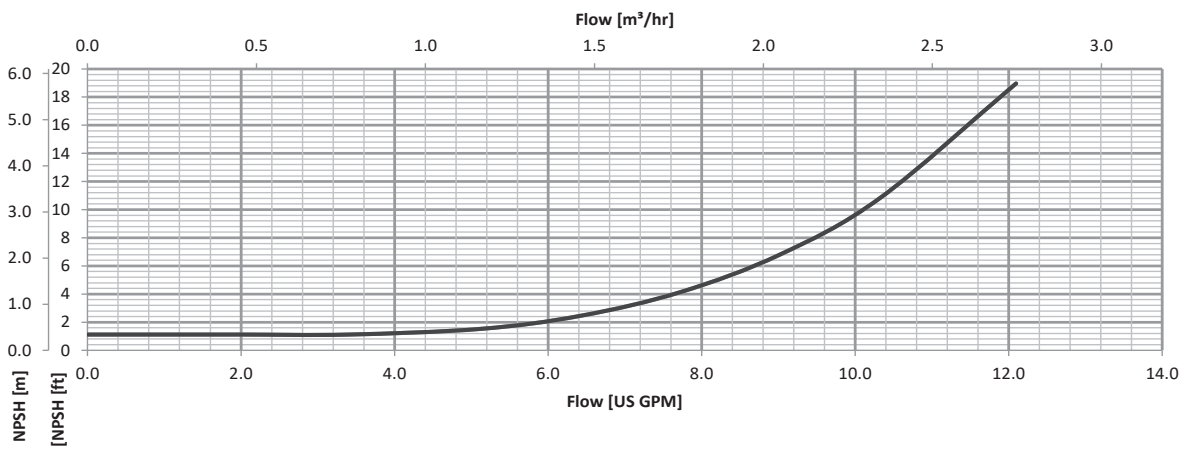
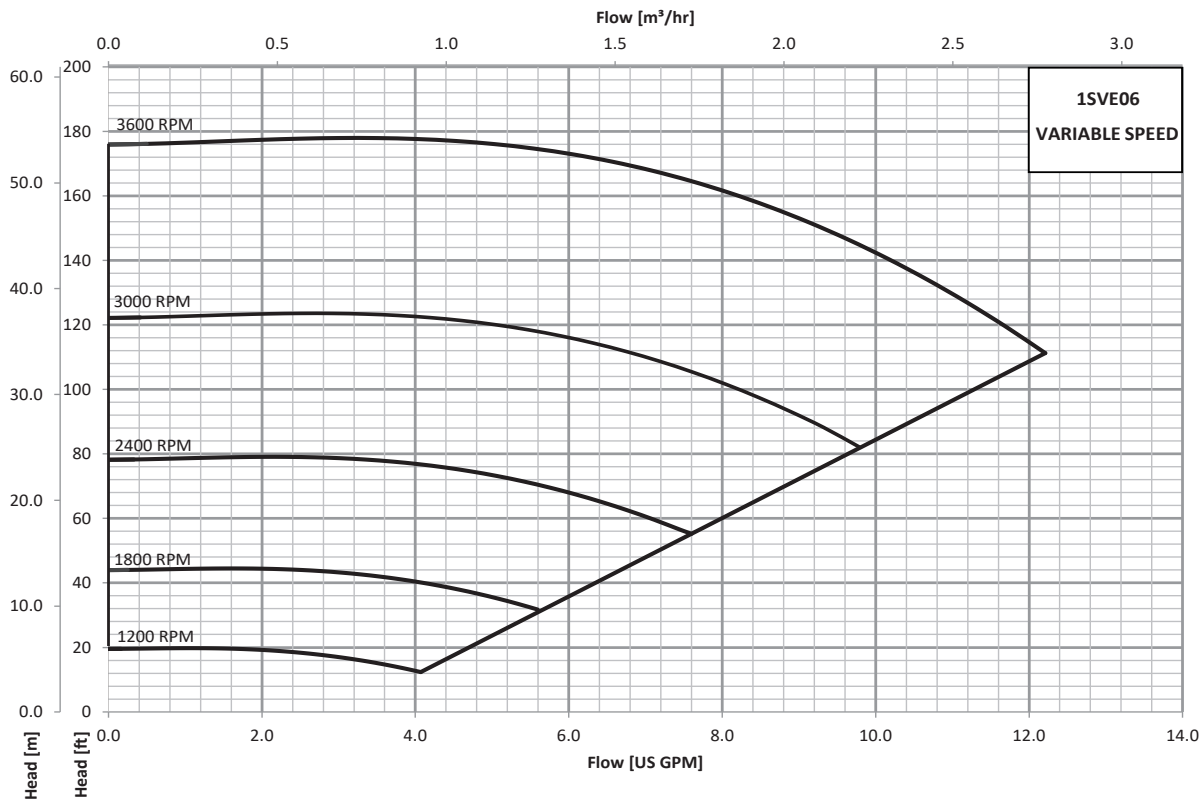
All listed dimensions are with inducer. SVI21-21 has 21 stages with impeller and 1 inducer chamber.

PERFORMANCE CURVES WITH SMART MOTOR

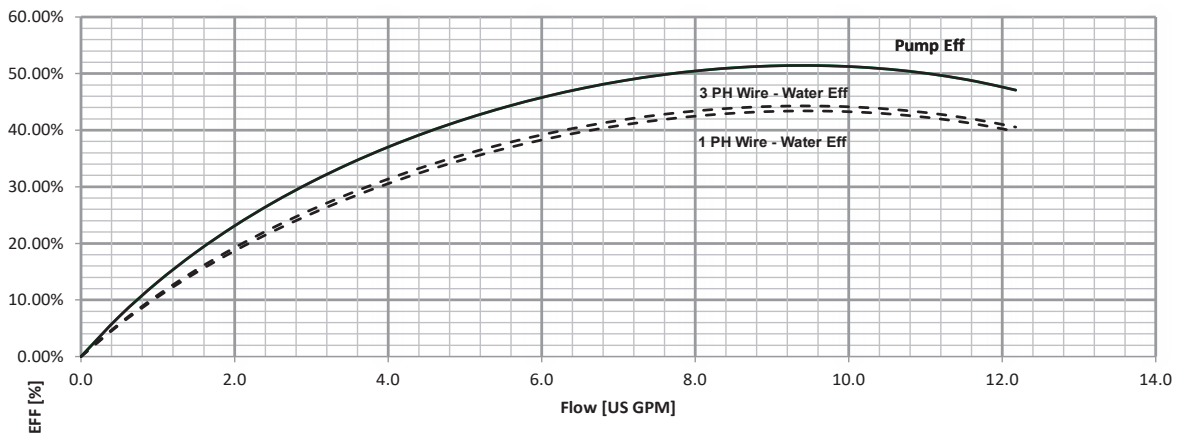
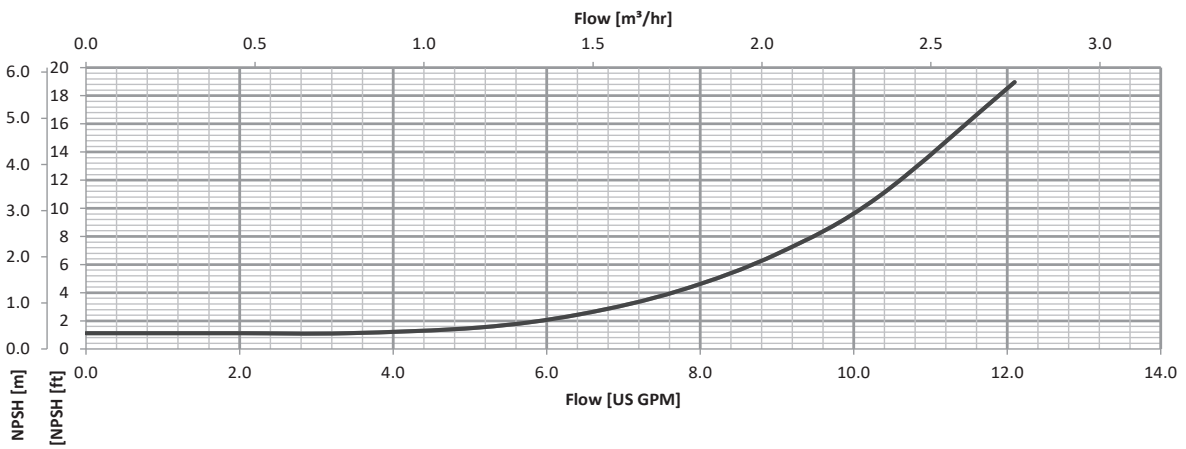
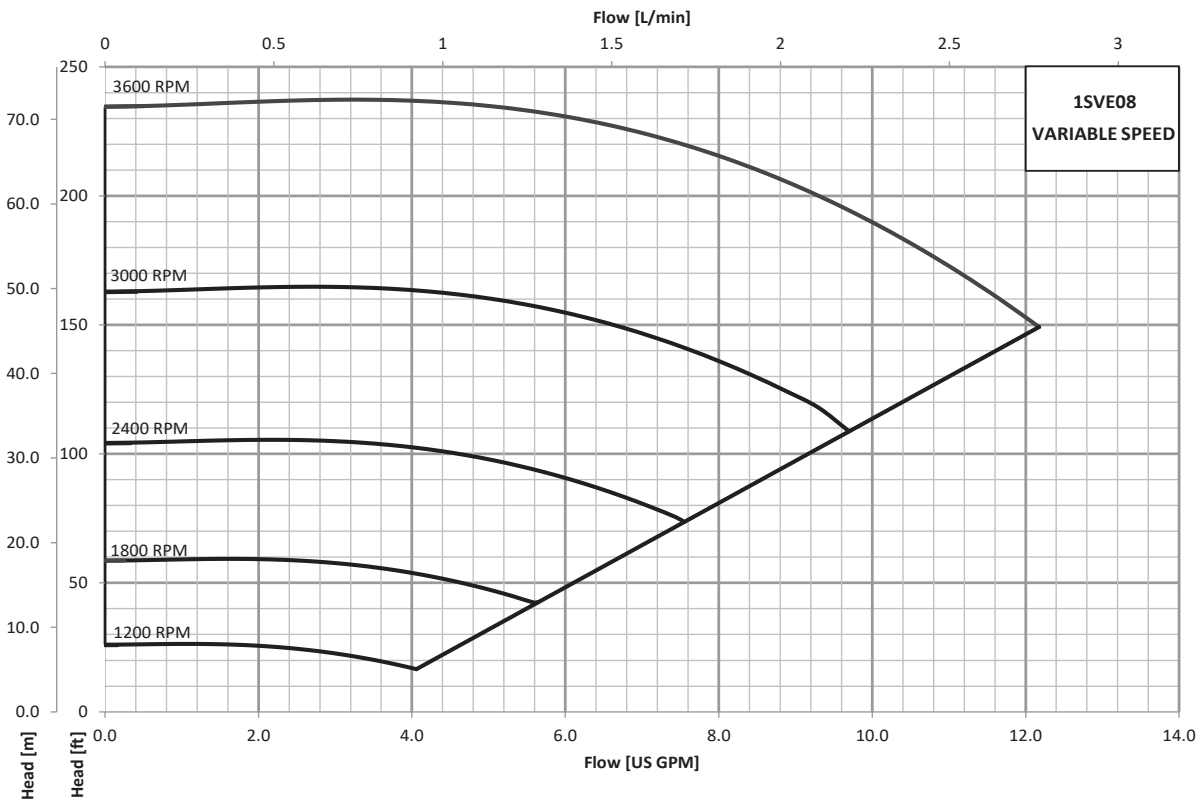
1 e-SVIE CLOSE-COUPLED



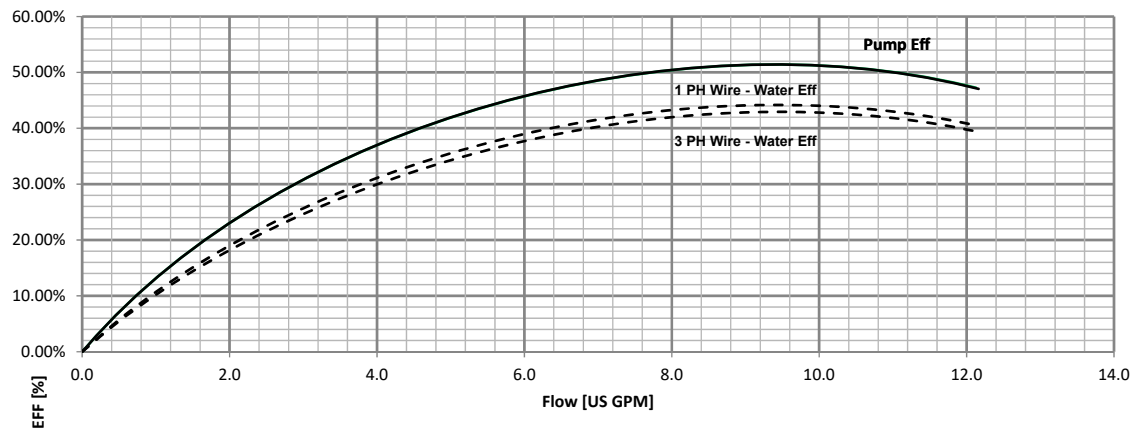
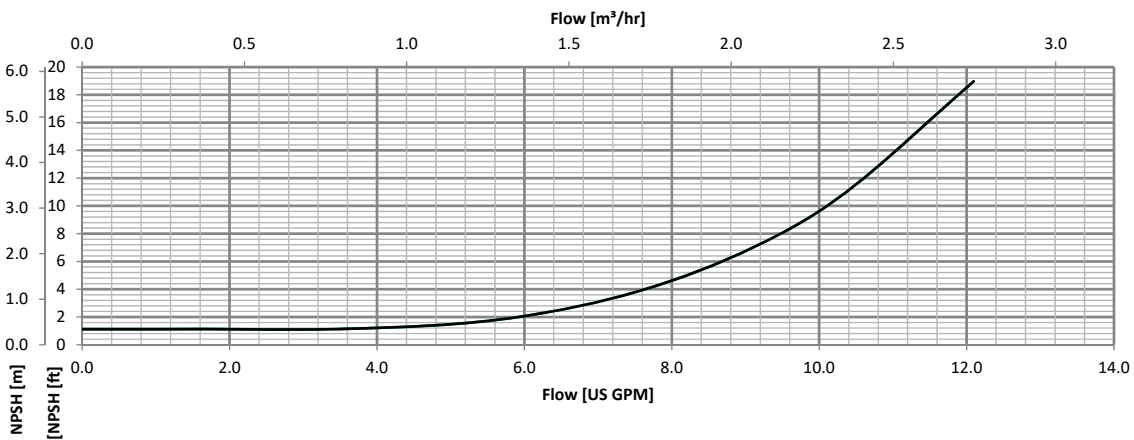
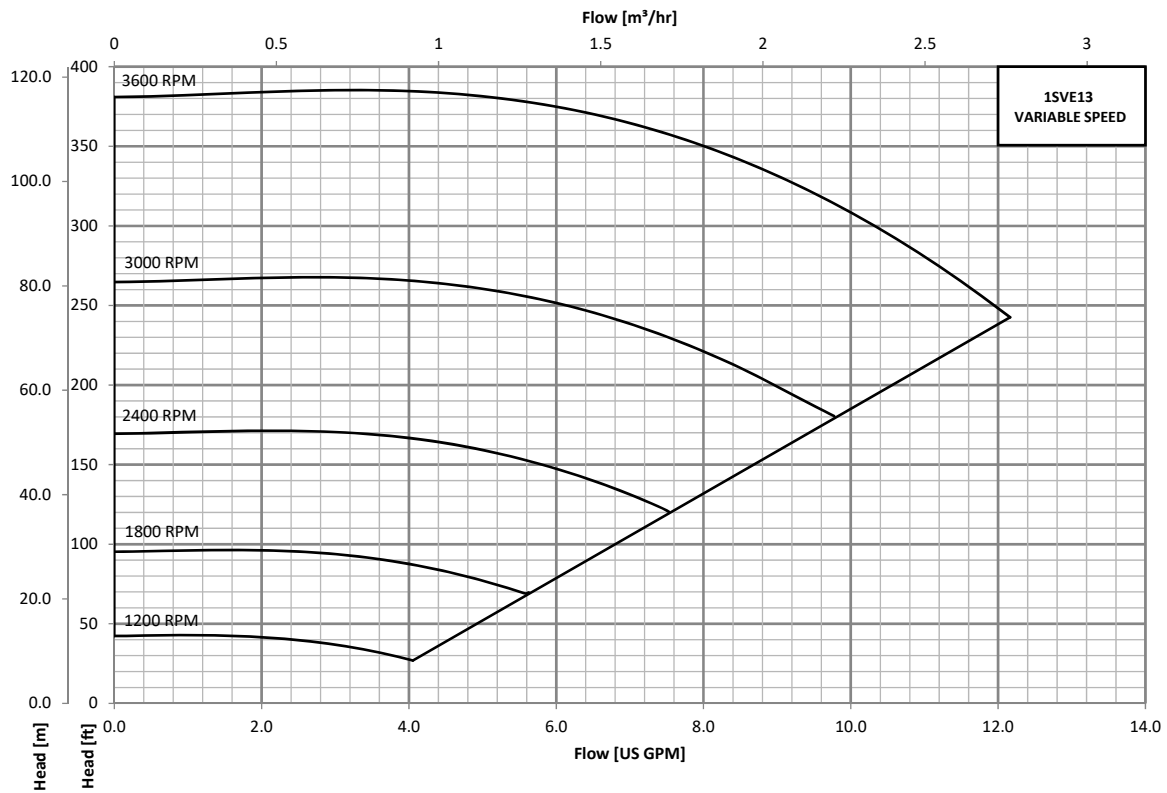
PERFORMANCE CURVES WITH SMART MOTOR 1 e-SVIE CLOSE-COUPLED



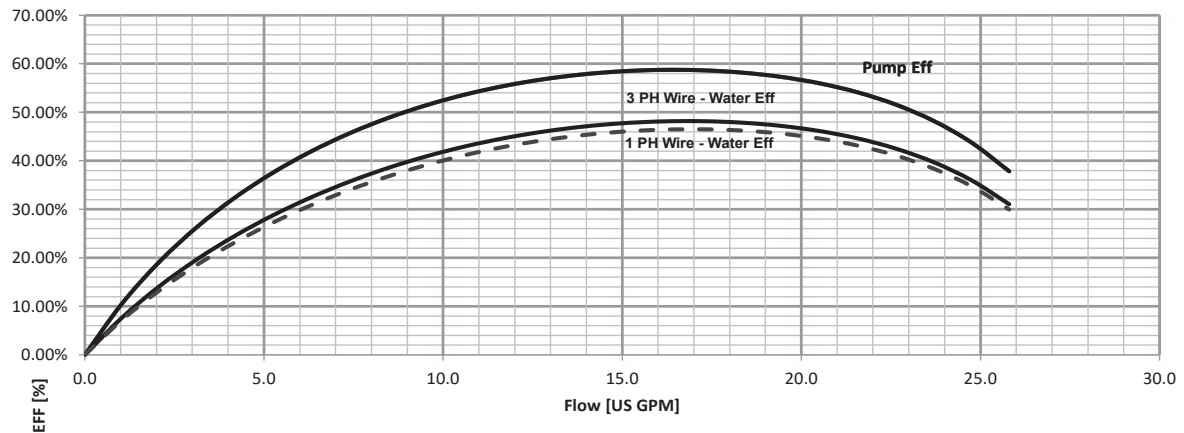
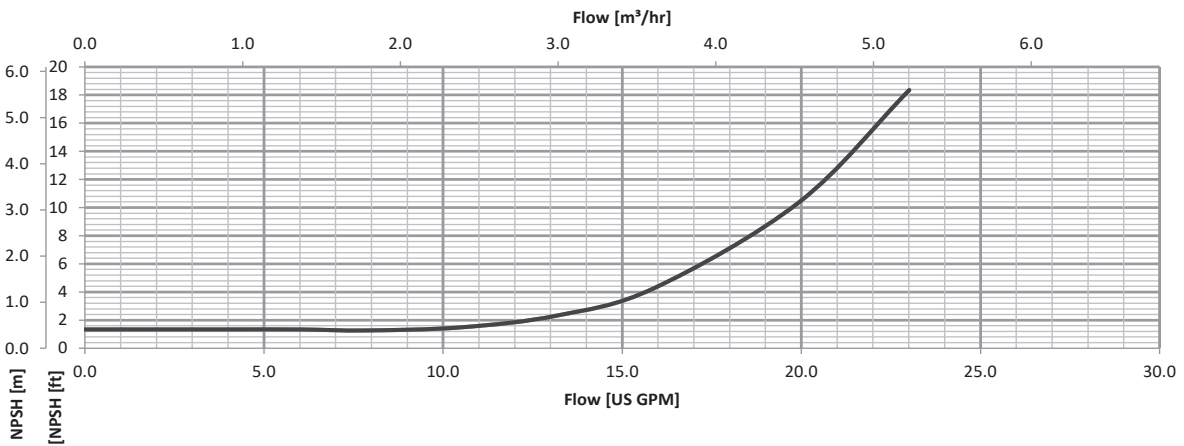
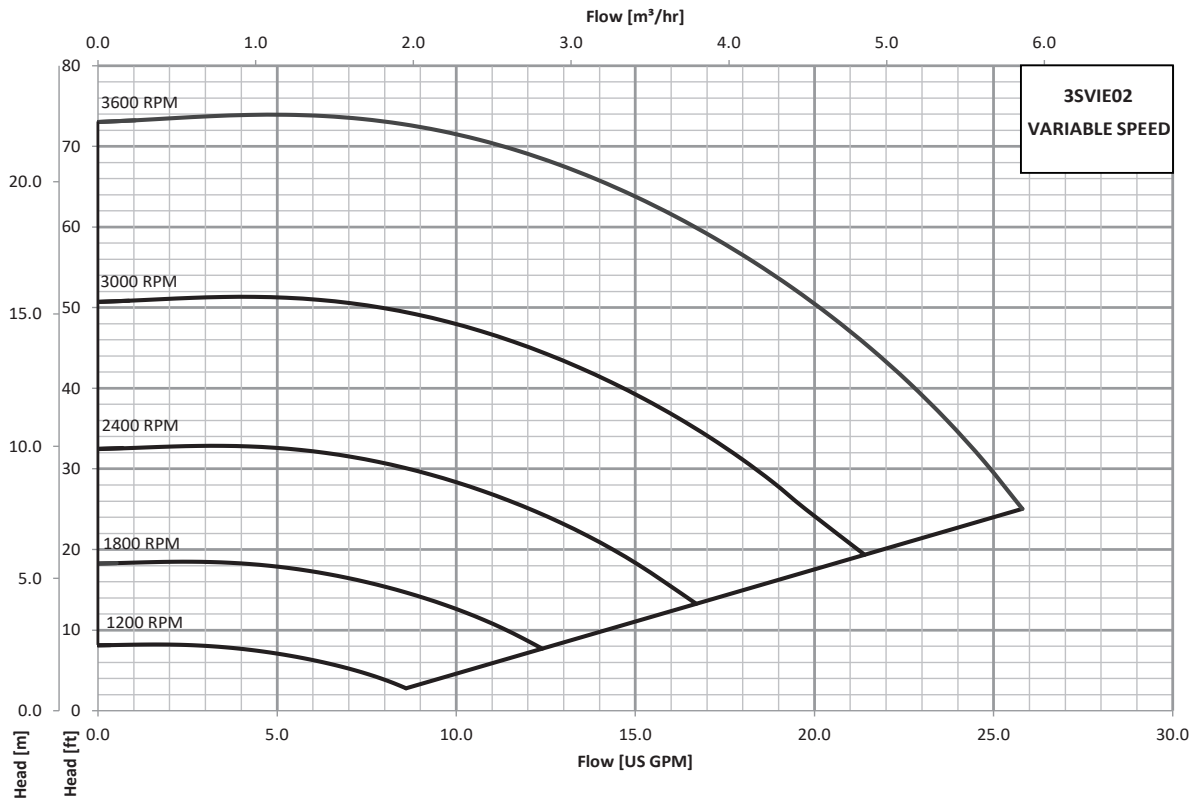
PERFORMANCE CURVES WITH SMART MOTOR 1 e-SVIE CLOSE-COUPLED



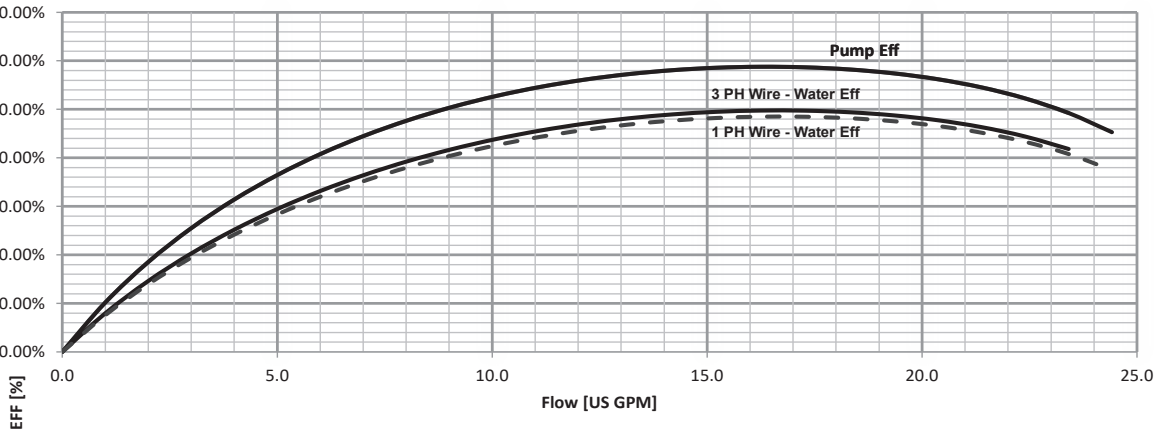
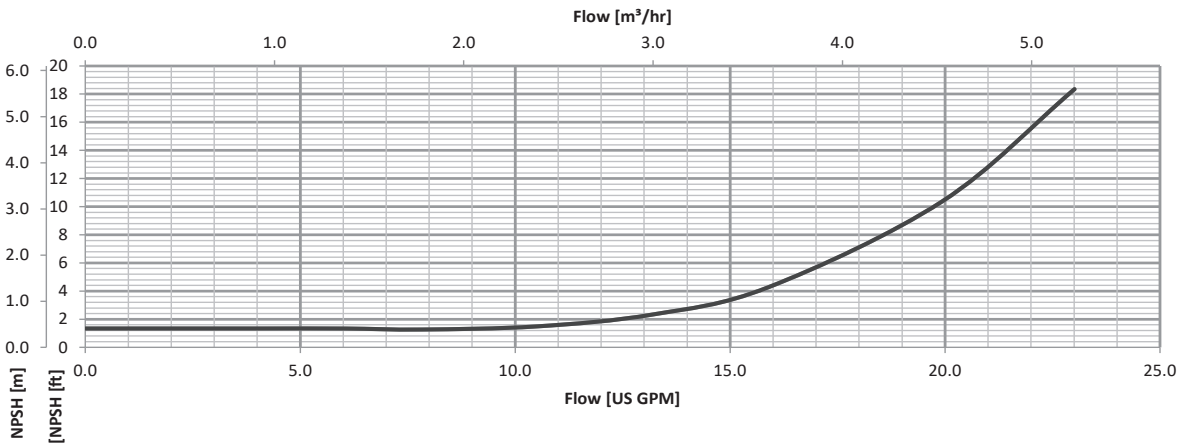
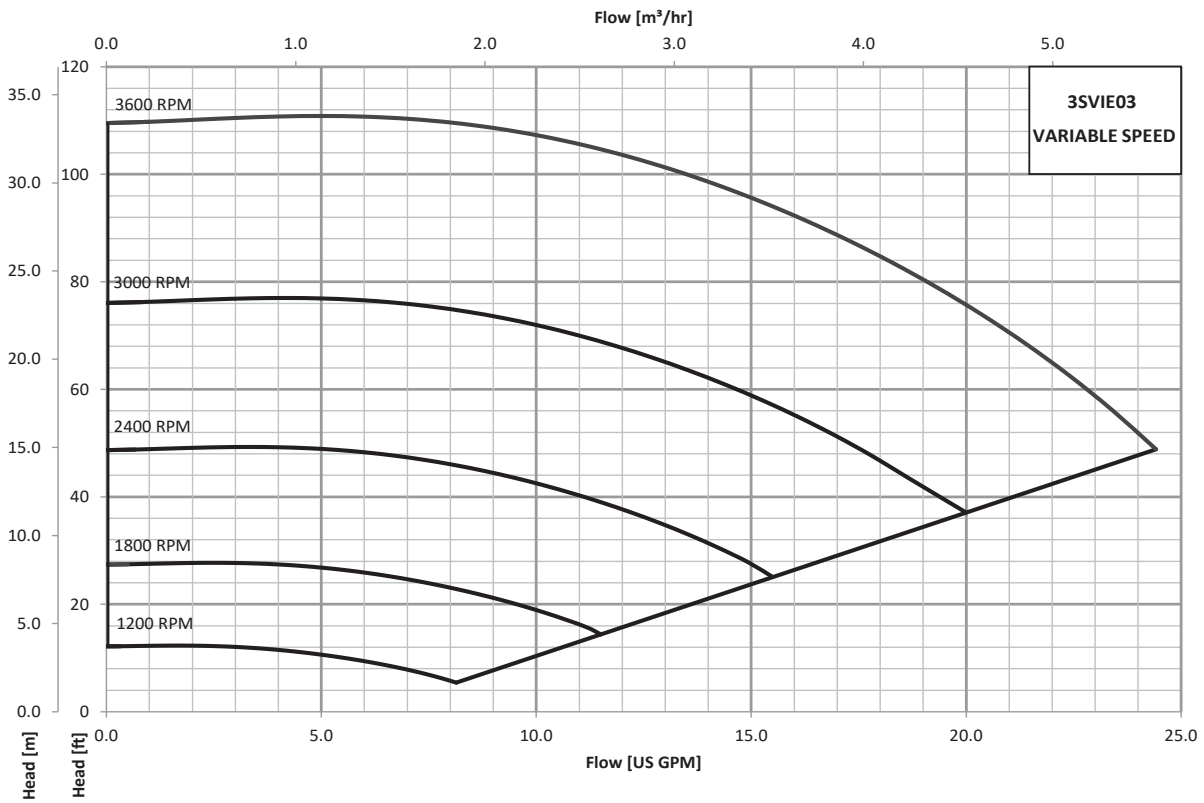
PERFORMANCE CURVES WITH SMART MOTOR 1 e-SVIE CLOSE-COUPLED



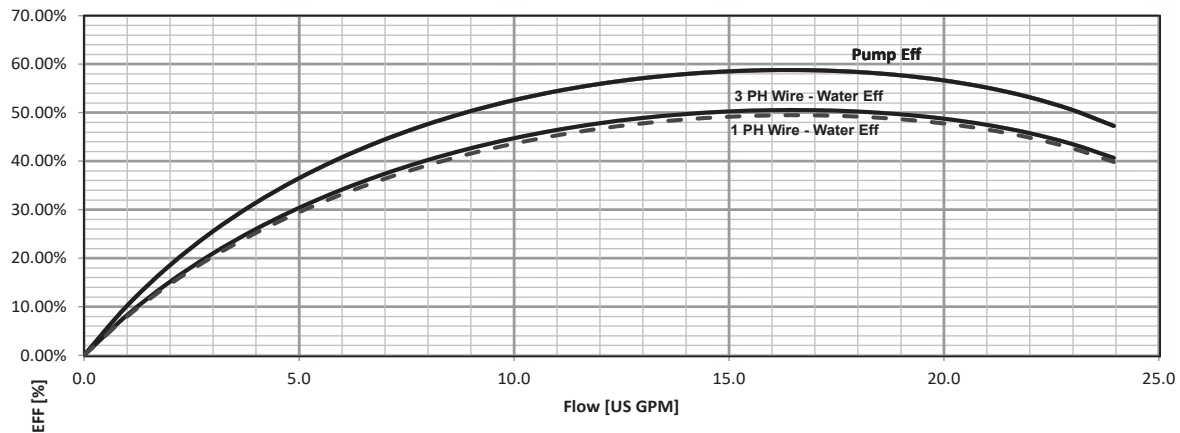
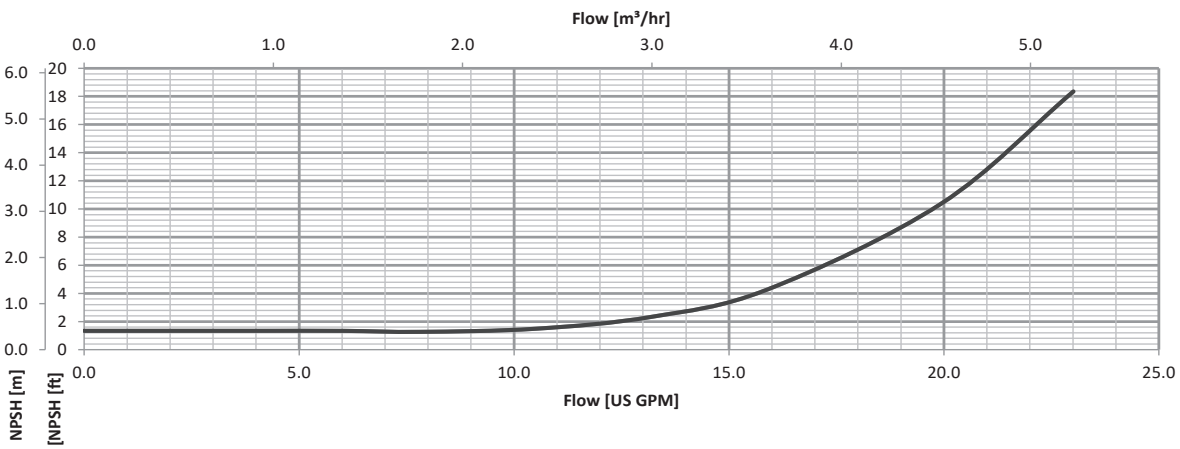
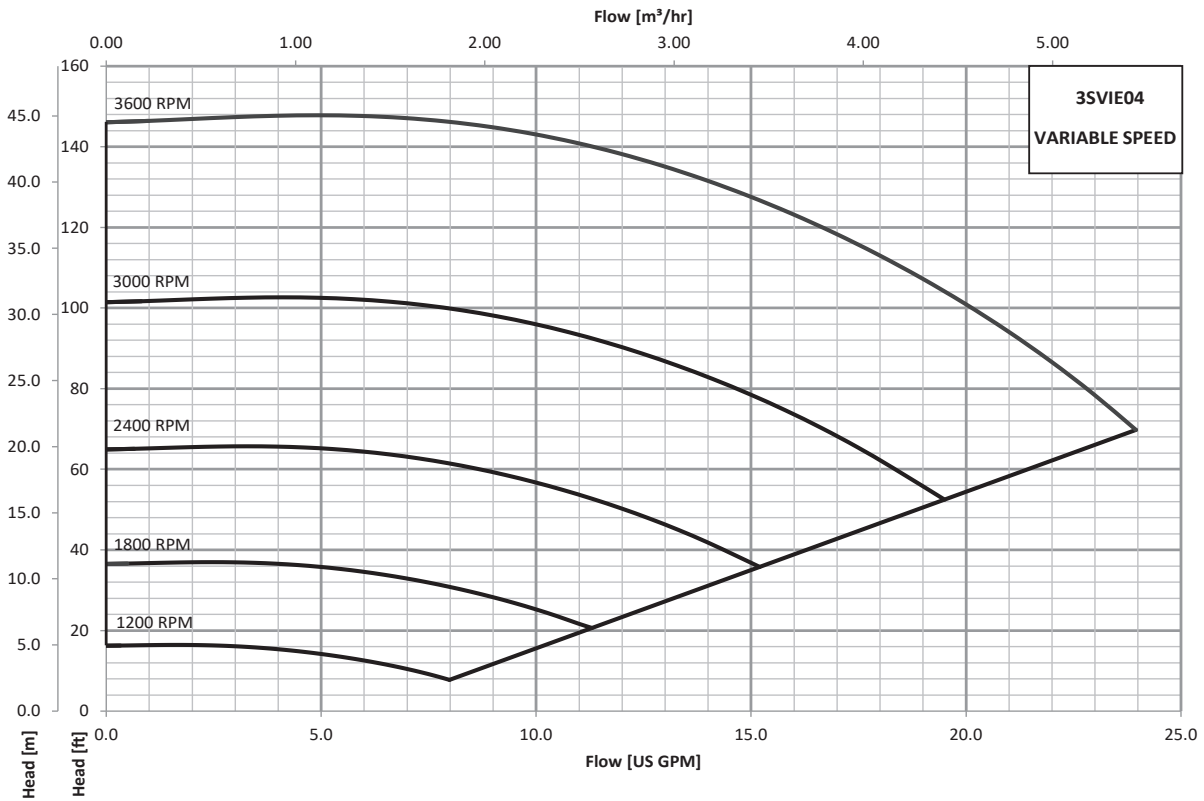
PERFORMANCE CURVES WITH SMART MOTOR 3 e-SVIE CLOSE-COUPLED



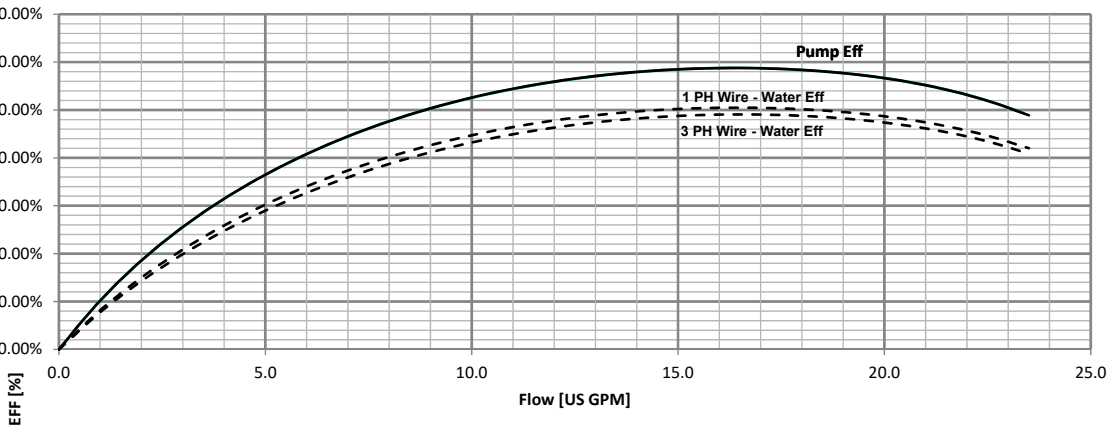
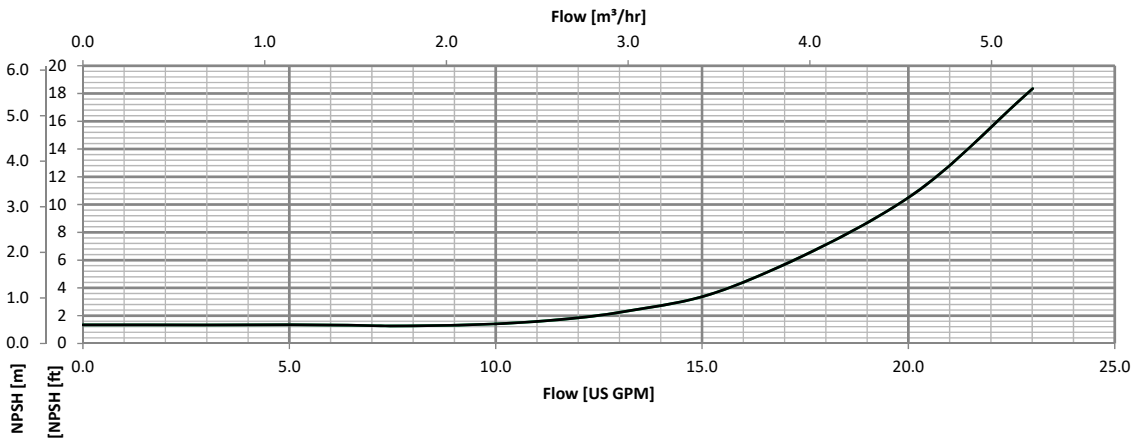
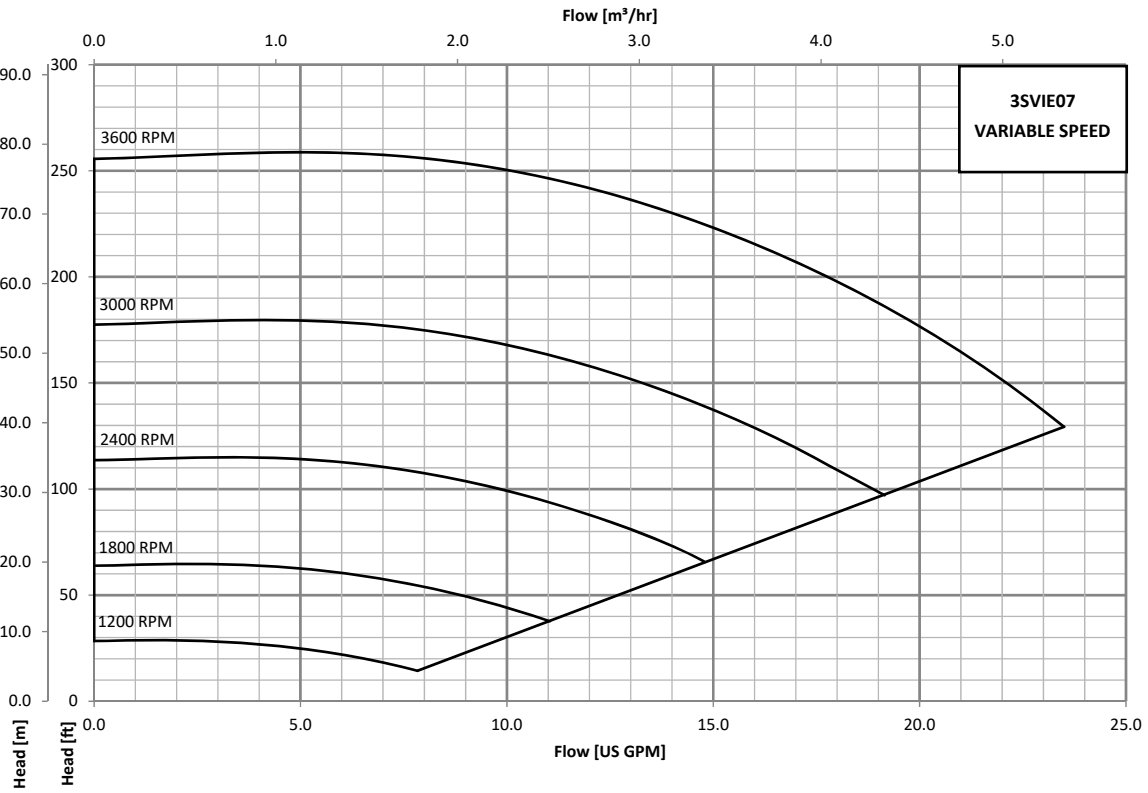
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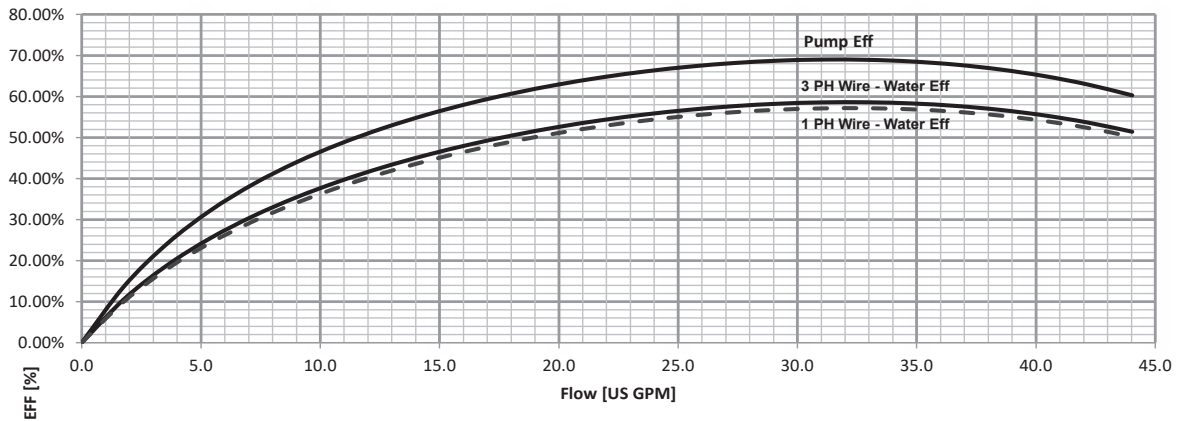
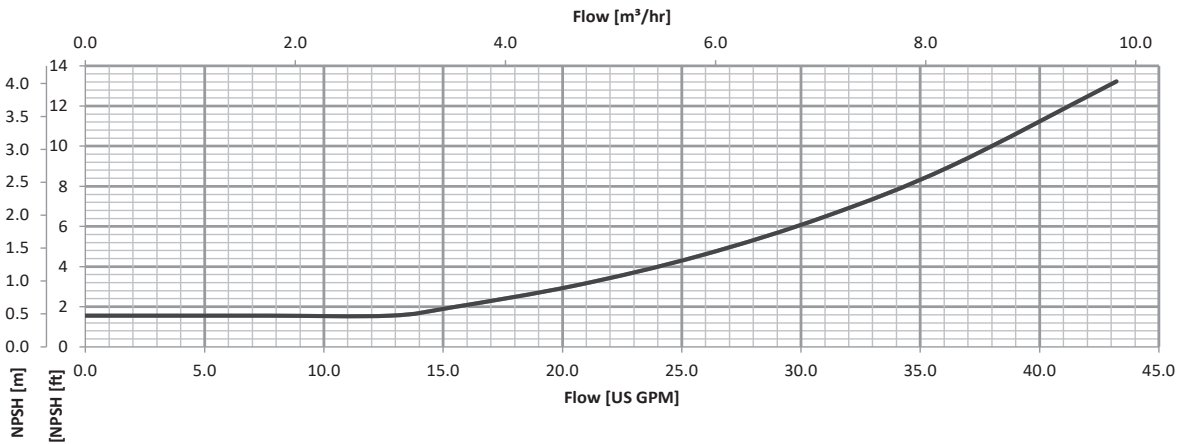
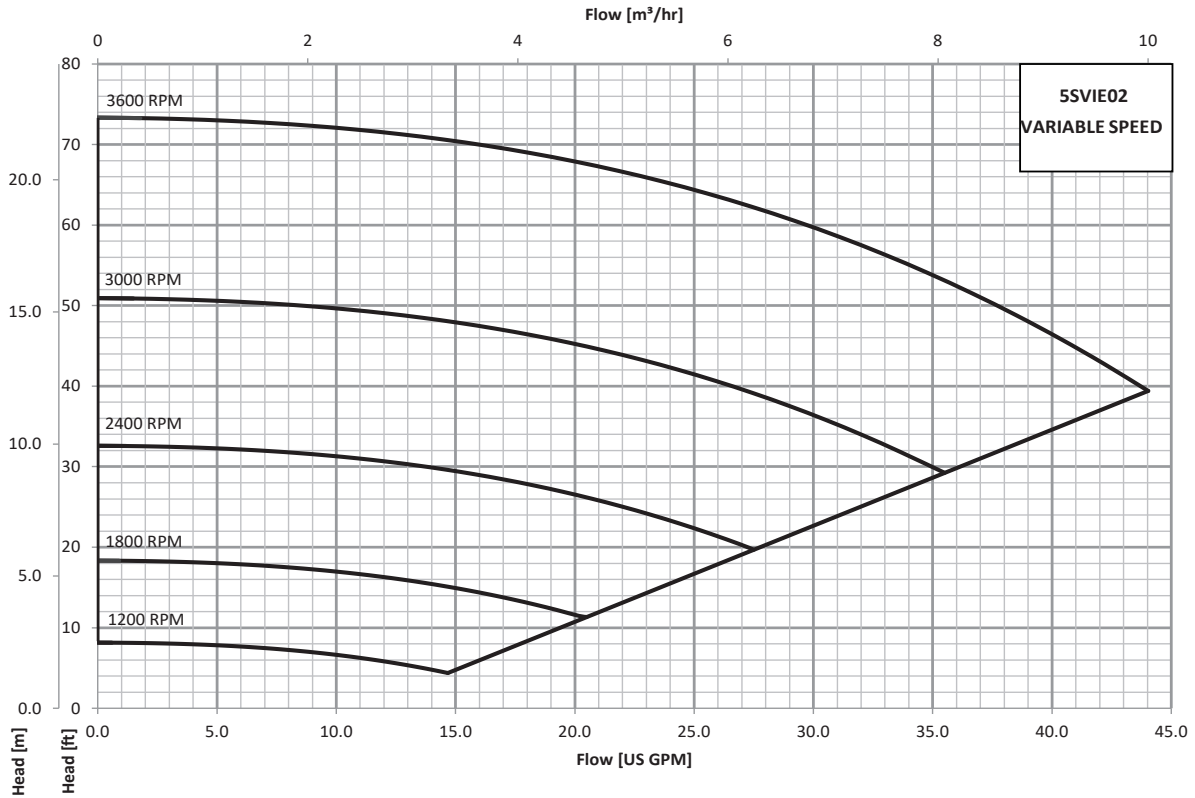
PERFORMANCE CURVES WITH SMART MOTOR 3 e-SVIE CLOSE-COUPLED



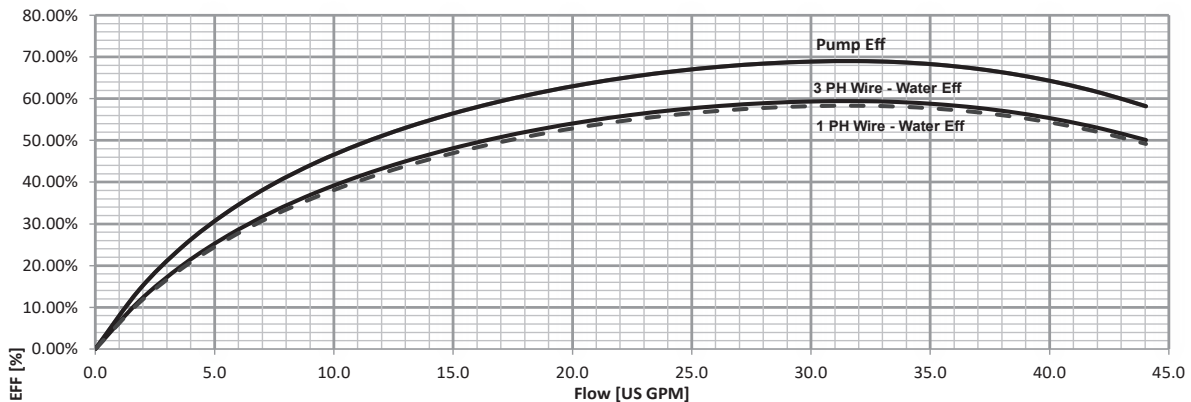
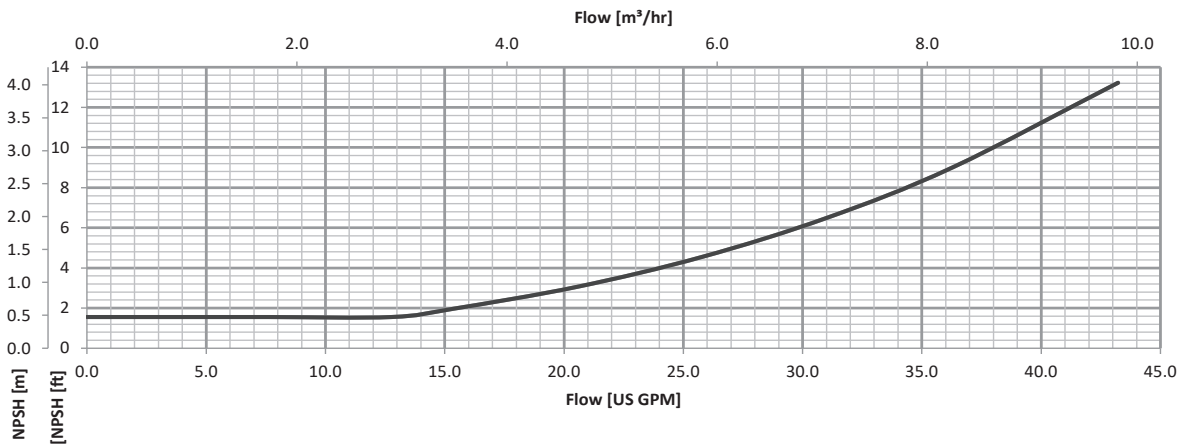
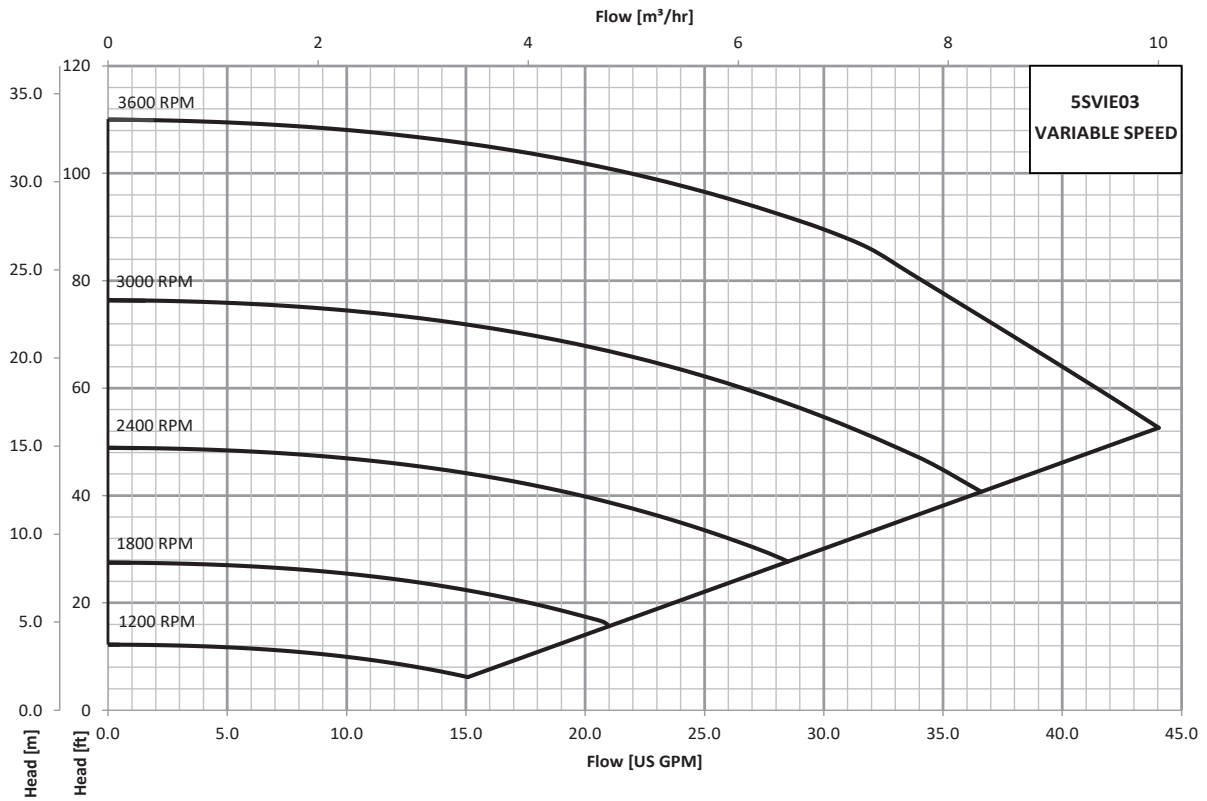
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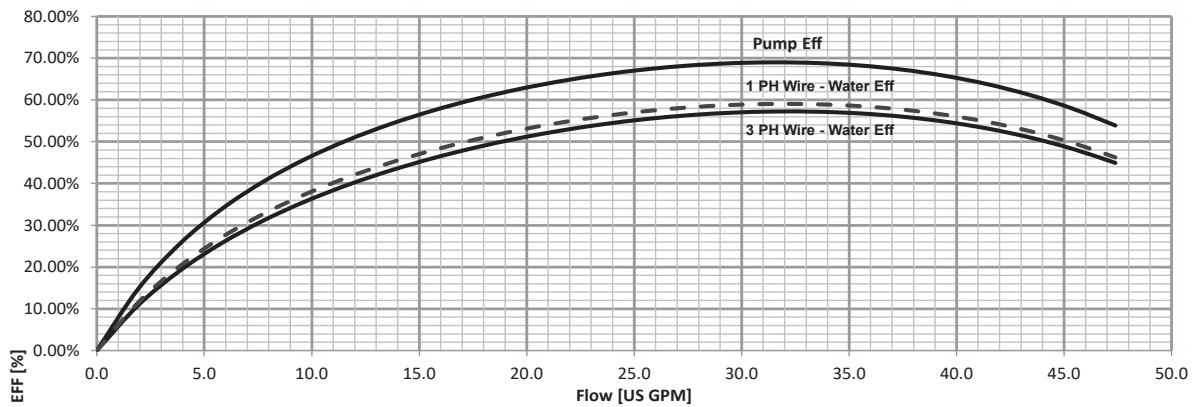
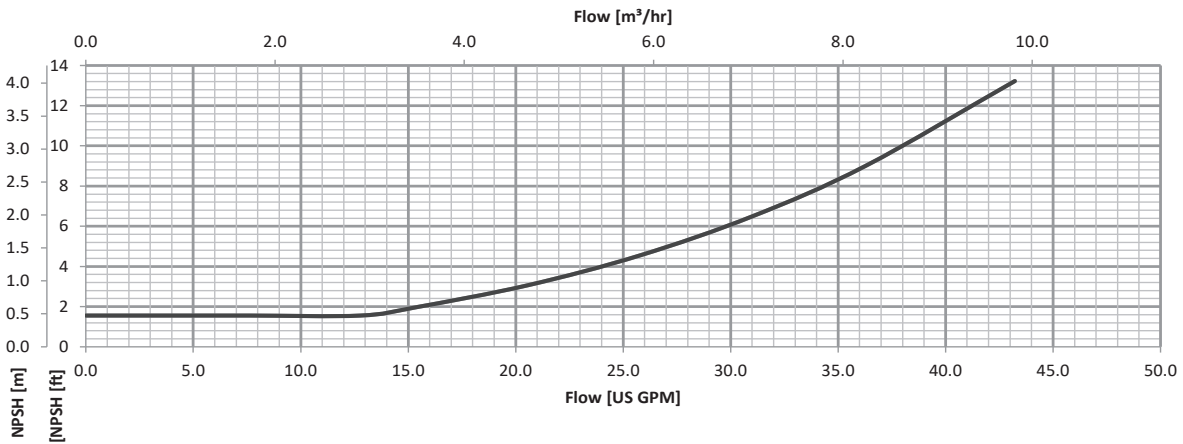
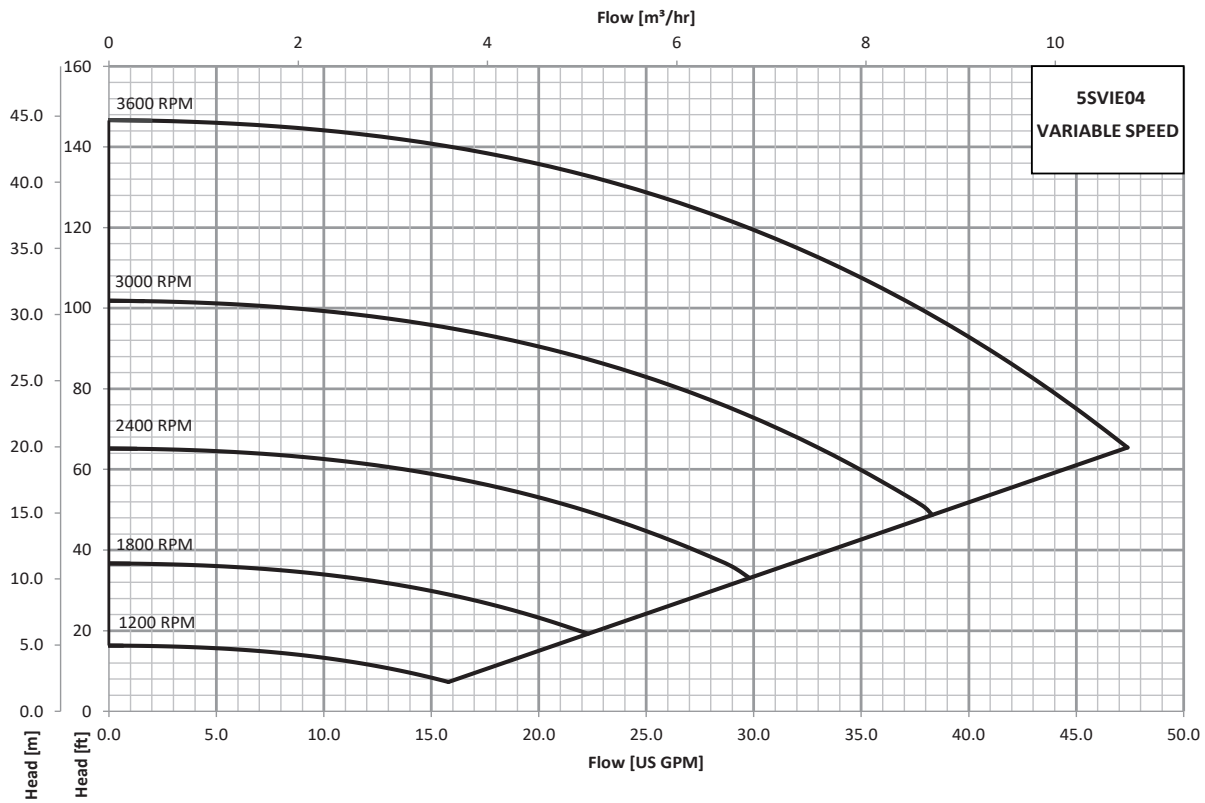
PERFORMANCE CURVES WITH SMART MOTOR 5 e-SVIE CLOSE-COUPLED



PERFORMANCE CURVES WITH SMART MOTOR 5 e-SVIE CLOSE-COUPLED



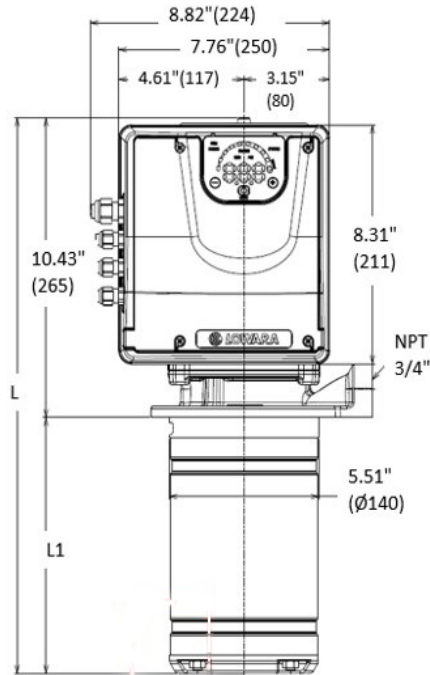
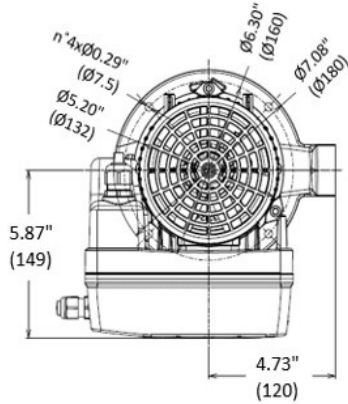
PERFORMANCE CURVES WITH SMART MOTOR 5 e-SVIE CLOSE-COUPLED



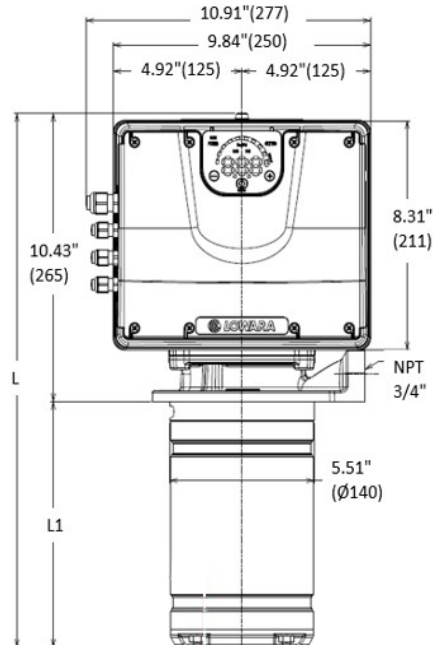
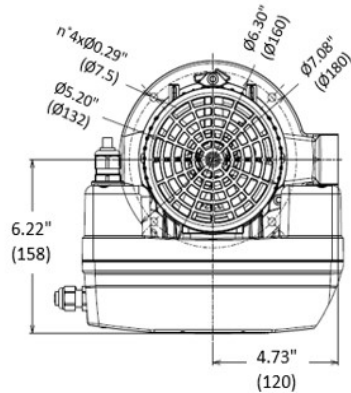
DIMENSIONS AND WEIGHTS

1 e-SVIE CLOSE-COUPLED

e-SVIE 1-3-5 NEMA (e-SM)-1 PHASE



e-SVIE 1-3-5 NEMA (e-SM)-3 PHASE



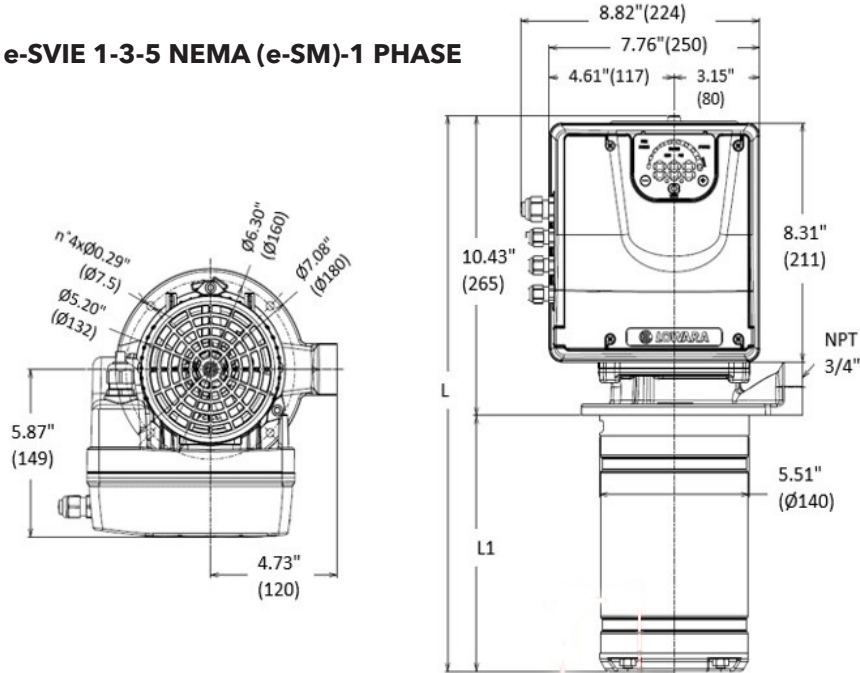
| Pump Configuration | Motor | | | Dimensions (IN) | | | Weight (LBS.) | | | | |
|--------------------|-------|------|------------|-----------------|-------|-------|---------------|-------|----|---------------|----|
| | KW | HP | NEMA Frame | L1 | L | | Pump Only | Motor | | Electric Pump | |
| | | | | | 1Ø | 3Ø | | 1Ø | 3Ø | 1Ø | 3Ø |
| 1SVIE04-04 | 0.37 | 0.55 | 80 | 6.54 | 16.97 | 16.97 | 7 | 26 | 40 | 33 | 47 |
| 1SVIE06-06 | 0.55 | 0.75 | 80 | 8.11 | 18.54 | 18.54 | 8 | 26 | 40 | 34 | 48 |
| 1SVIE08-08 | 0.75 | 1.00 | 80 | 9.69 | 20.12 | 20.12 | 9 | 26 | 40 | 36 | 49 |
| 1SVIE13-13 | 1.10 | 1.50 | 80 | 13.62 | 24.06 | 24.06 | 12 | 29 | 42 | 41 | 54 |

All listed dimensions are with Inducer, 1SVIE08-08 has 08 Stages with Impeller and 1 Inducer chamber

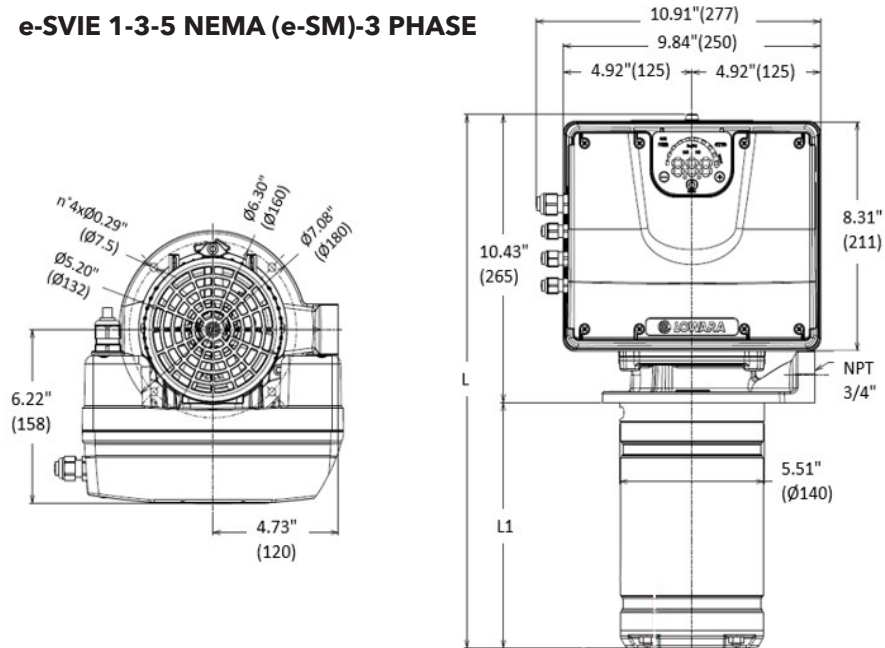
DIMENSIONS AND WEIGHTS

3 e-SVIE CLOSE-COUPLED

e-SVIE 1-3-5 NEMA (e-SM)-1 PHASE



e-SVIE 1-3-5 NEMA (e-SM)-3 PHASE



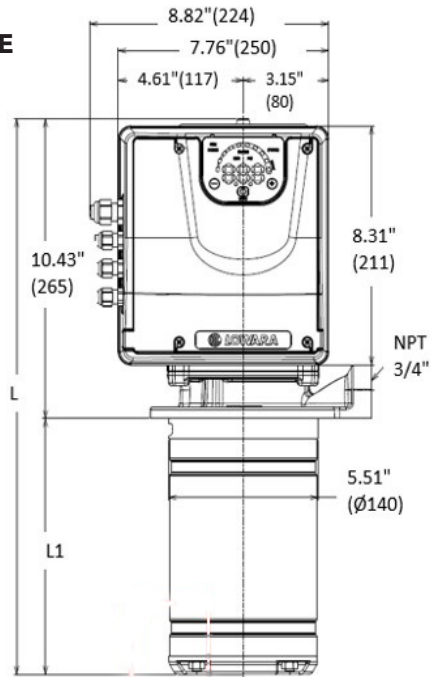
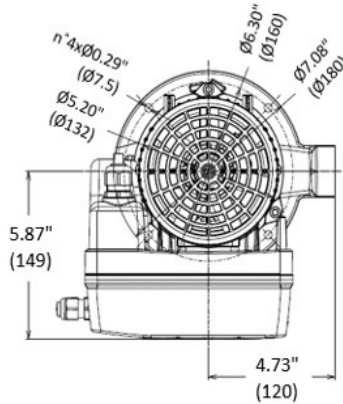
| Pump Configuration | Motor | | | Dimensions (IN) | | | Weight (LBS.) | | | | |
|--------------------|-------|------|------------|-----------------|-------|-------|---------------|-------|----|---------------|----|
| | KW | HP | NEMA Frame | L1 | L | | Pump Only | Motor | | Electric Pump | |
| | | | | | 1Ø | 3Ø | | 1Ø | 3Ø | 1Ø | 3Ø |
| 3SVIE02-02 | 0.37 | 0.55 | 80 | 4.96 | 15.39 | 15.39 | 7 | 26 | 40 | 34 | 47 |
| 3SVIE03-03 | 0.55 | 0.75 | 80 | 5.75 | 16.18 | 16.18 | 8 | 26 | 40 | 34 | 47 |
| 3SVIE04-04 | 0.75 | 1.00 | 80 | 6.54 | 16.97 | 16.97 | 8 | 26 | 40 | 35 | 48 |
| 3SVIE07-07 | 1.10 | 1.50 | 80 | 8.90 | 19.33 | 19.33 | 10 | 29 | 42 | 39 | 52 |

All listed dimensions are with Inducer, 3SVIE07-07 has 7 Stages with Impeller and 1 Inducer chamber

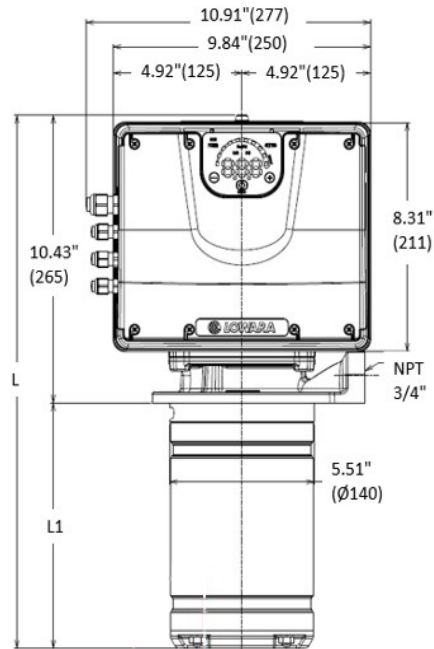
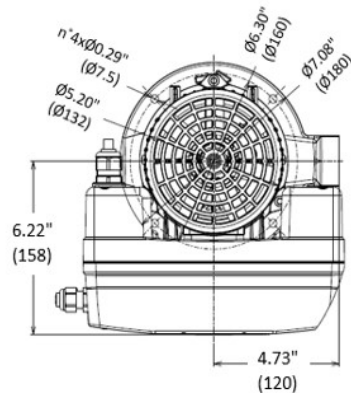
DIMENSIONS AND WEIGHTS

5 e-SVIE CLOSE-COUPLED

e-SVIE 1-3-5 NEMA (e-SM)-1 PHASE



e-SVIE 1-3-5 NEMA (e-SM)-3 PHASE



| Pump Configuration | Motor | | | Dimensions (IN) | | | Weight (LBS.) | | | | |
|--------------------|-------|------|-----------|-----------------|-------|-------|---------------|-------|----|---------------|----|
| | KW | HP | IEC Frame | L1 | L | | Pump Only | Motor | | Electric Pump | |
| | | | | | 1Ø | 3Ø | | 1Ø | 3Ø | 1Ø | 3Ø |
| 5SVIE02-02 | 0.55 | 0.75 | 80 | 5.55 | 15.98 | 15.98 | 6 | 26 | 40 | 32 | 45 |
| 5SVIE03-03 | 0.75 | 1.00 | 80 | 6.54 | 16.97 | 16.97 | 6 | 26 | 40 | 33 | 46 |
| 5SVIE04-04 | 1.10 | 1.50 | 80 | 7.52 | 17.95 | 17.95 | 7 | 26 | 40 | 34 | 47 |

All listed dimensions are with Inducer, 5SVIE04-04 has 4 Stages with Impeller and 1 Inducer chamber

BLANK STAGES

To meet specific depths of tanks and containers, the immersion depth (dimension L1) of the pump can be varied using blank stages.

CLOSED-COUPLED VERSION

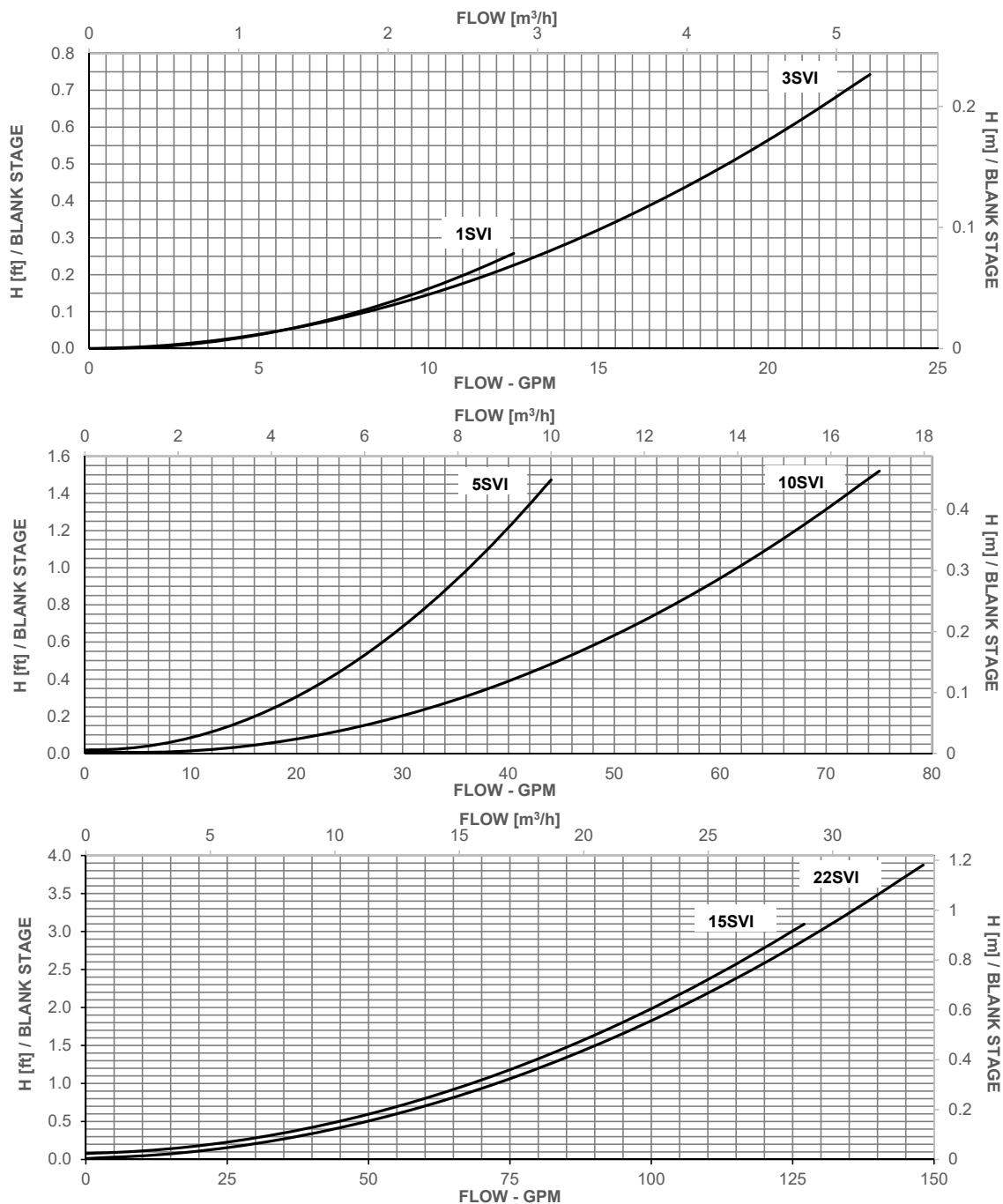
| NUMBER OF STAGES | IMMERSION DEPTH (IN) | | |
|------------------|----------------------|---------|---------|
| | PUMP SIZE | | |
| | 1 e-SVI | 3 e-SVI | 5 e-SVI |
| 1 | - | - | - |
| 2 | 5.0 | 5.0 | 5.6 |
| 3 | 5.7 | 5.7 | 6.5 |
| 4 | 6.5 | 6.5 | 7.5 |
| 5 | 7.3 | 7.3 | 8.5 |
| 6 | 8.1 | 8.1 | 9.5 |
| 7 | 8.9 | 8.9 | 10.5 |
| 8 | 9.7 | 9.7 | 11.5 |
| 9 | 10.5 | 10.5 | 12.4 |
| 10 | 11.3 | 11.3 | 13.4 |
| 11 | 12.0 | 12.0 | 14.4 |
| 12 | 12.8 | 12.8 | 15.4 |
| 13 | 13.6 | 13.6 | 16.4 |
| 14 | 14.4 | 14.4 | - |
| 15 | 15.2 | 15.2 | - |
| 16 | 16.0 | 16.0 | - |
| 17 | 16.8 | 16.8 | - |

COUPLED VERSION

| NUMBER OF STAGES | IMMERSION DEPTH (IN) PUMP SIZE | | | | | | | | | |
|------------------|-----------------------------------|---------|---------|----------|----------|----------|----------|----------|----------|----------|
| | 1 e-SVI | 3 e-SVI | 5 e-SVI | 10 e-SVI | 15 e-SVI | 22 e-SVI | 33 e-SVI | 46 e-SVI | 66 e-SVI | 92 e-SVI |
| 1 | - | - | - | - | - | - | 10.1 | 10.1 | 10.7 | 10.7 |
| 2 | 4.7 | 4.7 | 5.3 | 6.6 | 8.5 | 8.5 | 13.1 | 13.1 | 14.3 | 14.3 |
| 3 | 5.5 | 5.5 | 6.3 | 7.8 | 10.4 | 10.4 | 16.0 | 16.0 | 17.8 | 17.8 |
| 4 | 6.3 | 6.3 | 7.2 | 9.1 | 12.2 | 12.2 | 19.0 | 19.0 | 21.3 | 21.3 |
| 5 | 7.0 | 7.0 | 8.2 | 10.4 | 14.1 | 14.1 | 21.9 | 21.9 | 24.9 | 24.9 |
| 6 | 7.8 | 7.8 | 9.2 | 11.6 | 16.0 | 16.0 | 24.9 | 24.9 | 28.4 | 28.4 |
| 7 | 8.6 | 8.6 | 10.2 | 12.9 | 17.9 | 17.9 | 27.8 | 27.8 | 32.0 | 32.0 |
| 8 | 9.4 | 9.4 | 11.2 | 14.1 | 19.8 | 19.8 | 30.8 | 30.8 | 35.5 | 35.5 |
| 9 | 10.2 | 10.2 | 12.2 | 15.4 | 21.7 | 21.7 | 33.7 | 33.7 | 39.1 | 39.1 |
| 10 | 11.0 | 11.0 | 13.1 | 16.7 | 23.6 | 23.6 | 36.7 | 36.7 | 42.6 | 42.6 |
| 11 | 11.8 | 11.8 | 14.1 | 17.9 | 25.5 | 25.5 | 39.6 | 39.6 | - | - |
| 12 | 12.6 | 12.6 | 15.1 | 19.2 | 27.4 | 27.4 | 42.6 | 42.6 | - | - |
| 13 | 13.3 | 13.3 | 16.1 | 20.4 | 29.3 | 29.3 | - | - | - | - |
| 14 | 14.1 | 14.1 | 17.1 | 21.7 | 31.1 | 31.1 | - | - | - | - |
| 15 | 14.9 | 14.9 | 18.1 | 23.0 | 33.0 | 33.0 | - | - | - | - |
| 16 | 15.7 | 15.7 | 19.1 | 24.2 | 34.9 | 34.9 | - | - | - | - |
| 17 | 16.5 | 16.5 | 20.0 | 25.5 | 36.8 | 36.8 | - | - | - | - |
| 18 | 17.3 | 17.3 | 21.0 | 26.7 | 38.7 | 38.7 | - | - | - | - |
| 19 | 18.1 | 18.1 | 22.0 | 28.0 | 40.6 | 40.6 | - | - | - | - |
| 20 | 18.9 | 18.9 | 23.0 | 29.3 | - | - | - | - | - | - |
| 21 | 19.6 | 19.6 | 24.0 | 30.5 | - | - | - | - | - | - |
| 22 | 20.4 | 20.4 | 25.0 | 31.8 | - | - | - | - | - | - |
| 23 | 21.2 | 21.2 | 25.9 | 33.0 | - | - | - | - | - | - |
| 24 | 22.0 | 22.0 | 26.9 | 34.3 | - | - | - | - | - | - |
| 25 | 22.8 | 22.8 | 27.9 | 35.6 | - | - | - | - | - | - |
| 26 | 23.6 | 23.6 | 28.9 | 36.8 | - | - | - | - | - | - |
| 27 | 24.4 | 24.4 | 29.9 | 38.1 | - | - | - | - | - | - |
| 28 | 25.2 | 25.2 | 30.9 | 39.3 | - | - | - | - | - | - |
| 29 | 25.9 | 25.9 | 31.9 | 40.6 | - | - | - | - | - | - |
| 30 | 26.7 | 26.7 | 32.8 | - | - | - | - | - | - | - |
| 31 | 27.5 | 27.5 | 33.8 | - | - | - | - | - | - | - |
| 32 | 28.3 | 28.3 | 34.8 | - | - | - | - | - | - | - |
| 33 | 29.1 | 29.1 | 35.8 | - | - | - | - | - | - | - |
| 34 | 29.9 | 29.9 | 36.8 | - | - | - | - | - | - | - |
| 35 | 30.7 | 30.7 | 37.8 | - | - | - | - | - | - | - |
| 36 | 31.5 | 31.5 | 38.7 | - | - | - | - | - | - | - |
| 37 | 32.2 | 32.2 | 39.7 | - | - | - | - | - | - | - |
| 38 | 33.0 | 33.0 | - | - | - | - | - | - | - | - |
| 39 | 33.8 | 33.8 | - | - | - | - | - | - | - | - |
| 40 | 34.6 | 34.6 | - | - | - | - | - | - | - | - |
| 41 | 35.4 | 35.4 | - | - | - | - | - | - | - | - |
| 42 | 36.2 | 36.2 | - | - | - | - | - | - | - | - |
| 43 | 37.0 | 37.0 | - | - | - | - | - | - | - | - |
| 44 | 37.8 | 37.8 | - | - | - | - | - | - | - | - |
| 45 | 38.5 | 38.5 | - | - | - | - | - | - | - | - |
| 46 | 39.3 | 39.3 | - | - | - | - | - | - | - | - |
| 47 | 40.1 | 40.1 | - | - | - | - | - | - | - | - |

Commercial Water

The charts below illustrate the head losses per blank stage to be considered when these stages are used to extend the pump height.



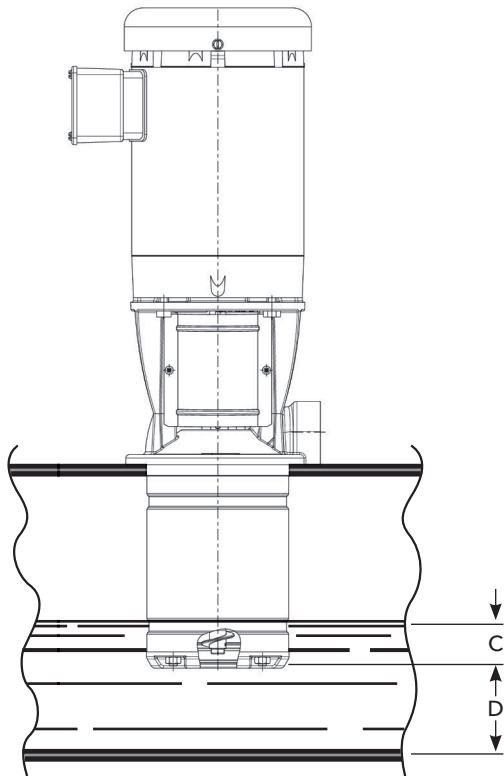
Example:

Pump 5SVI1306 (with 13 stages but only 6 impellers) running at 3500 rpm and 26.4 gpm.

Per pump's performance curve the head corresponding to 6 impellers at 26.4 gpm is approximately 177.2 ft.

The number of blank stages is 13 stages - 6 impellers = 7. From the above curve, the head loss corresponding to 26.4 gpm is about 0.53 ft/blank stage or a total of approximately 3.7 ft corresponding to 7 blank stages. Therefore the corrected head produced by this pump is 177.2 ft - 3.7 ft = 173.5 ft.

MINIMUM LEVEL OF LIQUID*

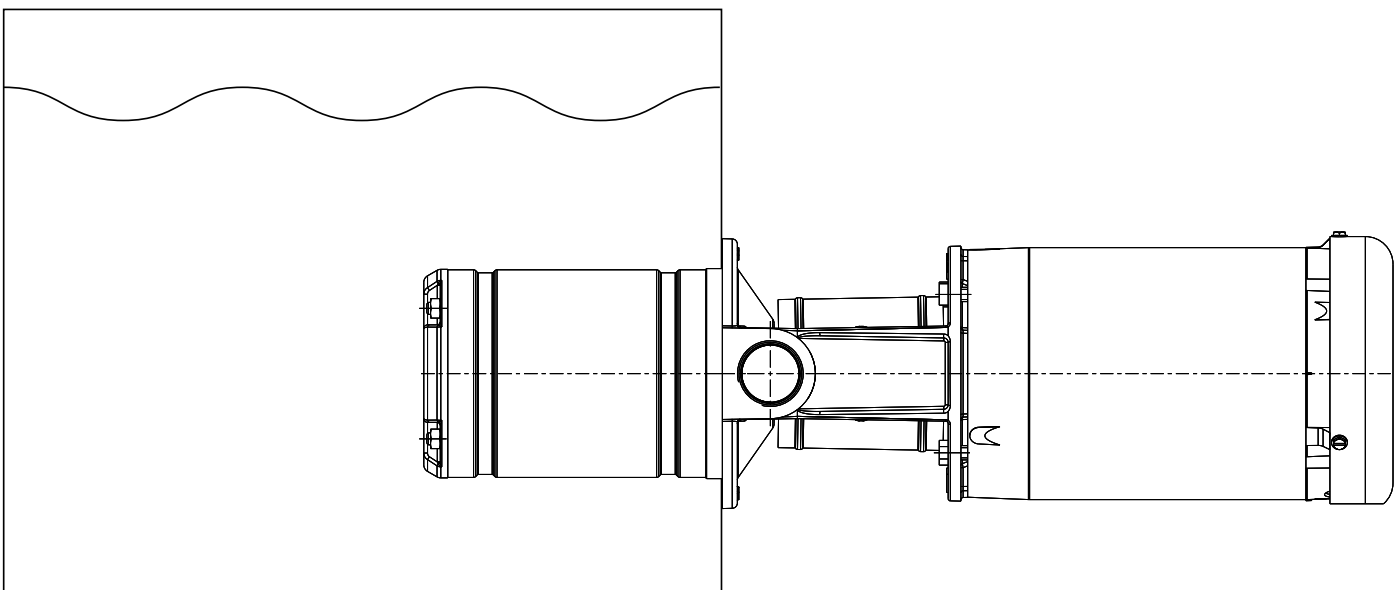


| PUMP SIZE | MINIMUM IMMERSION LEVEL C (IN) | | DISTANCE FROM THE BOTTOM D (IN) |
|-------------------|--------------------------------|-----------------|---------------------------------|
| | WITH INDUCER | WITHOUT INDUCER | |
| e-SVI 1-3-5 | 0.8 | 1.2 | 0.8 |
| e-SVI 10-15-22 | 0.8 | 1.2 | 1 |
| e-SVI 33-46-66-92 | - | 2.4 | 1 |

* For full performance (if the application conditions allow it), ensure that the immersion level is above the minimum level tabulated above.

HORIZONTAL MOUNTING

Certain applications require the pump to be installed in a horizontal position. Pumps with motors above 5HP will require additional support.



XYLEM HYDROVAR® PUMP MOUNTED VARIABLE SPEED CONTROLLER

Hydrovar is the intelligent pump controller that matches performance to system demand. Xylem Hydrovar is efficient and easy to install and operate, making it the ideal variable speed controller for new and retrofit applications.

The Hydrovar controller works with any standard AC motor and can be direct mounted or wall mounted. The built-in application software makes it the easiest drive to commission, program and operate, enabling virtually any configuration of pumps.

FEATURES

- Easy to setup and commission
- Energy savings (up to 70%)
- Large LCD display
- Pre-programming for standard motors
- Twenty-eight (28) language sets
- Optional Wi-Fi card for the flexibility of wireless connection
- Advanced motor control to reduce heating and extend the lifetime of the motor
- Embedded THDi filter for better electricity quality from the grid, extending the lifetime of the equipment
- Standard multi-pump capability of up to eight (8) pumps with no single failure point
- Premium card option for extended I/O
- Backward compatibility to existing Hydrovar products
- BACnet and MODBUS® as a standard for seamless BMS integration



SPECIFICATIONS

| | |
|---|--|
| INPUT SUPPLY (FROM 2 HP TO 30 HP): | <ul style="list-style-type: none"> • 1Ø Input 208/230 V, 2 - 5 hp (208-240 V ± 10%) • 3Ø Input 208/230 V, 2 - 15 hp (208-240 V ± 10%) • 3Ø Input 460 V, 2 - 30 hp (380-460 V ± 10%) |
| SPEED | from 15-70 Hz |
| POWER SUPPLY | single or three phase 50 or 60 Hz |
| MOTOR REQUIREMENTS | 3 phase, TEFC, 208 – 230 V or 460 V, 0 – 60 Hz, Class F insulation, NEMA design A or B Motor to fan cover of TEFC motor for a packaged unit with a small footprint |
| MAXIMUM AMBIENT TEMPERATURE | 104° F |
| INDOOR ENCLOSURE | NEMA 1. Avoid excessive dust, corrosives, salts and direct sunlight. |
| COMMUNICATION | RS485 interface, BACnet, MODBUS |

TECHNICAL DATA – PUMP HYDRAULICS/ MOTOR SIZING (COUPLED CONFIGURATIONS)

1 e-SVI 3500 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF (HP>1) OR 1.25 SF (HP<1) MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|--|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 29 | 3.34 | 3.00 | 5.00 | 813 | 352.4 | 24.3 | 362 psi | 1-1/4" NPT |
| 28 | 3.22 | 3.00 | 5.00 | 785 | 340.3 | 23.5 | 362 psi | 1-1/4" NPT |
| 27 | 3.11 | 3.00 | 5.00 | 757 | 328.1 | 22.6 | 362 psi | 1-1/4" NPT |
| 26 | 2.99 | 3.00 | 3.00 | 729 | 316 | 21.8 | 362 psi | 1-1/4" NPT |
| 25 | 2.88 | 3.00 | 3.00 | 701 | 303.9 | 21 | 362 psi | 1-1/4" NPT |
| 24 | 2.76 | 3.00 | 3.00 | 673 | 291.7 | 20.1 | 362 psi | 1-1/4" NPT |
| 23 | 2.67 | 3.00 | 3.00 | 645 | 279.6 | 19.3 | 362 psi | 1-1/4" NPT |
| 22 | 2.53 | 3.00 | 3.00 | 617 | 267.4 | 18.4 | 362 psi | 1-1/4" NPT |
| 21 | 2.42 | 3.00 | 3.00 | 589 | 255.3 | 17.6 | 362 psi | 1-1/4" NPT |
| 20 | 2.30 | 2.00 | 3.00 | 561 | 243.2 | 16.8 | 362 psi | 1-1/4" NPT |
| 19 | 2.19 | 2.00 | 3.00 | 532 | 230.6 | 15.9 | 362 psi | 1-1/4" NPT |
| 18 | 2.07 | 2.00 | 3.00 | 504 | 218.5 | 15.1 | 362 psi | 1-1/4" NPT |
| 17 | 1.96 | 2.00 | 2.00 | 476 | 206.3 | 14.2 | 362 psi | 1-1/4" NPT |
| 16 | 1.84 | 2.00 | 2.00 | 448 | 194.2 | 13.4 | 362 psi | 1-1/4" NPT |
| 15 | 1.73 | 1.50 | 2.00 | 420 | 182.1 | 12.6 | 362 psi | 1-1/4" NPT |
| 14 | 1.61 | 1.50 | 2.00 | 392 | 169.9 | 11.7 | 362 psi | 1-1/4" NPT |
| 13 | 1.50 | 1.50 | 1.50 | 364 | 157.8 | 10.9 | 362 psi | 1-1/4" NPT |
| 12 | 1.38 | 1.50 | 1.50 | 336 | 145.6 | 10 | 362 psi | 1-1/4" NPT |
| 11 | 1.27 | 1.50 | 1.50 | 308 | 133.5 | 9.2 | 362 psi | 1-1/4" NPT |
| 10 | 1.15 | 1.00 | 1.50 | 280 | 121.4 | 8.4 | 362 psi | 1-1/4" NPT |
| 9 | 1.04 | 1.00 | 1.50 | 252 | 109.2 | 7.5 | 362 psi | 1-1/4" NPT |
| 8 | 0.90 | 0.75 | 1.00 | 224 | 97.1 | 6.7 | 362 psi | 1-1/4" NPT |
| 7 | 0.81 | 0.75 | 1.00 | 196 | 85 | 5.9 | 362 psi | 1-1/4" NPT |
| 6 | 0.69 | 0.75 | 0.75 | 168 | 72.8 | 5 | 362 psi | 1-1/4" NPT |
| 5 | 0.58 | 0.50 | 0.75 | 140 | 60.7 | 4.2 | 362 psi | 1-1/4" NPT |
| 4 | 0.46 | 0.50 | 0.50 | 112 | 48.5 | 3.3 | 362 psi | 1-1/4" NPT |
| 3 | 0.35 | 0.50 | 0.50 | 84 | 36.4 | 2.5 | 362 psi | 1-1/4" NPT |
| 2 | 0.23 | 0.50 | 0.50 | 56 | 24.3 | 1.7 | 362 psi | 1-1/4" NPT |

TECHNICAL DATA – PUMP HYDRAULICS/ MOTOR SIZING (COUPLED CONFIGURATIONS)

3 e-SVI 3500 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF (HP>1) OR 1.25 SF (HP<1) MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|--|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 23 | 4.78 | 5.00 | 5.00 | 804 | 348.5 | 24 | 362 psi | 1-1/4" NPT |
| 22 | 4.58 | 5.00 | 5.00 | 769 | 333.3 | 23 | 362 psi | 1-1/4" NPT |
| 21 | 4.37 | 5.00 | 5.00 | 734 | 318.2 | 21.9 | 362 psi | 1-1/4" NPT |
| 20 | 4.16 | 5.00 | 5.00 | 699 | 303 | 20.9 | 362 psi | 1-1/4" NPT |
| 19 | 3.95 | 5.00 | 5.00 | 664 | 287.8 | 19.8 | 362 psi | 1-1/4" NPT |
| 18 | 3.74 | 5.00 | 5.00 | 629 | 272.6 | 18.8 | 362 psi | 1-1/4" NPT |
| 17 | 3.54 | 5.00 | 5.00 | 594 | 257.5 | 17.8 | 362 psi | 1-1/4" NPT |
| 16 | 3.33 | 3.00 | 5.00 | 559 | 242.3 | 16.7 | 362 psi | 1-1/4" NPT |
| 15 | 3.12 | 3.00 | 5.00 | 524 | 227.1 | 15.7 | 362 psi | 1-1/4" NPT |
| 14 | 2.91 | 3.00 | 3.00 | 487 | 211.1 | 14.6 | 362 psi | 1-1/4" NPT |
| 13 | 2.7 | 3.00 | 3.00 | 452 | 195.9 | 13.5 | 362 psi | 1-1/4" NPT |
| 12 | 2.5 | 3.00 | 3.00 | 418 | 181.2 | 12.5 | 362 psi | 1-1/4" NPT |
| 11 | 2.29 | 2.00 | 3.00 | 383 | 166 | 11.4 | 362 psi | 1-1/4" NPT |
| 10 | 2.08 | 2.00 | 3.00 | 348 | 150.8 | 10.4 | 362 psi | 1-1/4" NPT |
| 9 | 1.87 | 2.00 | 2.00 | 313 | 135.7 | 9.4 | 362 psi | 1-1/4" NPT |
| 8 | 1.66 | 1.50 | 2.00 | 279 | 120.9 | 8.3 | 362 psi | 1-1/4" NPT |
| 7 | 1.46 | 1.50 | 1.50 | 245 | 106.2 | 7.3 | 362 psi | 1-1/4" NPT |
| 6 | 1.25 | 1.50 | 1.50 | 210 | 91 | 6.3 | 362 psi | 1-1/4" NPT |
| 5 | 1.04 | 1.00 | 1.50 | 175 | 75.9 | 5.2 | 362 psi | 1-1/4" NPT |
| 4 | 0.83 | 0.75 | 1.00 | 140 | 60.7 | 4.2 | 362 psi | 1-1/4" NPT |
| 3 | 0.62 | 0.50 | 0.75 | 105 | 45.5 | 3.1 | 362 psi | 1-1/4" NPT |
| 2 | 0.42 | 0.50 | 0.50 | 70 | 30.3 | 2.1 | 362 psi | 1-1/4" NPT |

TECHNICAL DATA – PUMP HYDRAULICS/ MOTOR SIZING (COUPLED CONFIGURATIONS)

5 e-SVI 3500 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF (HP>1) OR 1.25 SF (HP<1) MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|--|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 24 | 7.60 | 7.50 | 10.00 | 830 | 359.8 | 24.8 | 362 psi | 1-1/4" NPT |
| 23 | 7.26 | 7.50 | 7.50 | 796 | 345 | 23.8 | 362 psi | 1-1/4" NPT |
| 22 | 6.94 | 7.50 | 7.50 | 762 | 330.3 | 22.8 | 362 psi | 1-1/4" NPT |
| 21 | 6.63 | 7.50 | 7.50 | 727 | 315.1 | 21.7 | 362 psi | 1-1/4" NPT |
| 20 | 6.31 | 7.50 | 7.50 | 692 | 300 | 20.7 | 362 psi | 1-1/4" NPT |
| 19 | 6.00 | 7.50 | 7.50 | 658 | 285.2 | 19.7 | 362 psi | 1-1/4" NPT |
| 18 | 5.82 | 7.50 | 7.50 | 623 | 270 | 18.6 | 362 psi | 1-1/4" NPT |
| 17 | 5.37 | 5.00 | 7.50 | 589 | 255.3 | 17.6 | 362 psi | 1-1/4" NPT |
| 16 | 5.05 | 5.00 | 7.50 | 554 | 240.1 | 16.6 | 362 psi | 1-1/4" NPT |
| 15 | 4.74 | 5.00 | 5.00 | 519 | 225 | 15.5 | 362 psi | 1-1/4" NPT |
| 14 | 4.42 | 5.00 | 5.00 | 485 | 210.2 | 14.5 | 362 psi | 1-1/4" NPT |
| 13 | 4.11 | 5.00 | 5.00 | 450 | 195.1 | 13.4 | 362 psi | 1-1/4" NPT |
| 12 | 3.87 | 5.00 | 5.00 | 415 | 179.9 | 12.4 | 362 psi | 1-1/4" NPT |
| 11 | 3.55 | 5.00 | 5.00 | 380 | 164.7 | 11.4 | 362 psi | 1-1/4" NPT |
| 10 | 3.23 | 3.00 | 5.00 | 346 | 150 | 10.3 | 362 psi | 1-1/4" NPT |
| 9 | 2.90 | 3.00 | 3.00 | 311 | 134.8 | 9.3 | 362 psi | 1-1/4" NPT |
| 8 | 2.58 | 3.00 | 3.00 | 277 | 120.1 | 8.3 | 362 psi | 1-1/4" NPT |
| 7 | 2.26 | 2.00 | 3.00 | 242 | 104.9 | 7.2 | 362 psi | 1-1/4" NPT |
| 6 | 2.00 | 2.00 | 2.00 | 208 | 90.2 | 6.2 | 362 psi | 1-1/4" NPT |
| 5 | 1.67 | 1.50 | 2.00 | 173 | 75 | 5.2 | 362 psi | 1-1/4" NPT |
| 4 | 1.34 | 1.50 | 1.50 | 139 | 60.3 | 4.2 | 362 psi | 1-1/4" NPT |
| 3 | 1.00 | 1.00 | 1.00 | 104 | 45.1 | 3.1 | 362 psi | 1-1/4" NPT |
| 2 | 0.67 | 0.75 | 0.75 | 69 | 29.9 | 2.1 | 362 psi | 1-1/4" NPT |

TECHNICAL DATA – PUMP HYDRAULICS/ MOTOR SIZING (COUPLED CONFIGURATIONS)

10 e-SVI 3500 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF (HP>1) OR 1.25 SF (HP<1) MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|--|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 15 | 12.60 | 15.00 | 15.00 | 819 | 355 | 24.5 | 362 psi | 1-1/4" NPT |
| 14 | 11.45 | 10.00 | 15.00 | 765 | 331.6 | 22.9 | 362 psi | 1-1/4" NPT |
| 13 | 10.85 | 10.00 | 15.00 | 710 | 307.8 | 21.2 | 362 psi | 1-1/4" NPT |
| 12 | 10.08 | 10.00 | 15.00 | 657 | 284.8 | 19.6 | 362 psi | 1-1/4" NPT |
| 11 | 9.29 | 10.00 | 10.00 | 603 | 261.4 | 18 | 362 psi | 1-1/4" NPT |
| 10 | 8.91 | 10.00 | 10.00 | 548 | 237.5 | 16.4 | 362 psi | 1-1/4" NPT |
| 9 | 7.61 | 7.50 | 10.00 | 493 | 213.7 | 14.7 | 362 psi | 1-1/4" NPT |
| 8 | 6.61 | 7.50 | 7.50 | 438 | 189.9 | 13.1 | 362 psi | 1-1/4" NPT |
| 7 | 5.81 | 7.50 | 7.50 | 384 | 166.4 | 11.5 | 362 psi | 1-1/4" NPT |
| 6 | 4.89 | 5.00 | 5.00 | 329 | 142.6 | 9.8 | 362 psi | 1-1/4" NPT |
| 5 | 4.08 | 5.00 | 5.00 | 274 | 118.8 | 8.2 | 362 psi | 1-1/4" NPT |
| 4 | 3.32 | 5.00 | 5.00 | 218 | 94.5 | 6.5 | 362 psi | 1-1/4" NPT |
| 3 | 2.56 | 3.00 | 3.00 | 163 | 70.7 | 4.9 | 362 psi | 1-1/4" NPT |
| 2 | 1.71 | 2.00 | 2.00 | 108 | 46.8 | 3.2 | 362 psi | 1-1/4" NPT |
| 1 | 0.88 | 0.75 | 1.00 | 54 | 23.4 | 1.6 | 362 psi | 1-1/4" NPT |

15 e-SVI 3500 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|-------------------------------------|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 11 | 20.10 | 20.00 | 25.00 | 739 | 320.3 | 22.1 | 362 psi | 2" NPT |
| 10 | 17.97 | 20.00 | 20.00 | 672 | 291.3 | 20.1 | 362 psi | 2" NPT |
| 9 | 16.19 | 15.00 | 20.00 | 605 | 262.2 | 18.1 | 362 psi | 2" NPT |
| 8 | 15.1 | 15.00 | 20.00 | 538 | 233.2 | 16.1 | 362 psi | 2" NPT |
| 7 | 12.69 | 15.00 | 15.00 | 465 | 201.6 | 13.9 | 362 psi | 2" NPT |
| 6 | 10.88 | 10.00 | 15.00 | 397 | 172.1 | 11.9 | 362 psi | 2" NPT |
| 5 | 9.06 | 10.00 | 10.00 | 331 | 143.5 | 9.9 | 362 psi | 2" NPT |
| 4 | 7.24 | 7.50 | 7.50 | 265 | 114.9 | 7.9 | 362 psi | 2" NPT |
| 3 | 5.43 | 5.00 | 7.50 | 199 | 86.3 | 5.9 | 362 psi | 2" NPT |
| 2 | 3.62 | 5.00 | 5.00 | 132 | 57.2 | 3.9 | 362 psi | 2" NPT |
| 1 | 1.81 | 2.00 | 2.00 | 65 | 28.2 | 1.9 | 362 psi | 2" NPT |

22 e-SVI 3500 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|-------------------------------------|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 11 | 26.51 | 25.00 | 30.00 | 771 | 334.2 | 23 | 362 psi | 2" NPT |
| 10 | 24.1 | 25.00 | 25.00 | 700 | 303.4 | 20.9 | 362 psi | 2" NPT |
| 9 | 21.69 | 20.00 | 25.00 | 629 | 272.6 | 18.8 | 362 psi | 2" NPT |
| 8 | 19.28 | 20.00 | 20.00 | 559 | 242.3 | 16.7 | 362 psi | 2" NPT |
| 7 | 16.87 | 15.00 | 20.00 | 489 | 212 | 14.6 | 362 psi | 2" NPT |
| 6 | 14.46 | 15.00 | 15.00 | 419 | 181.6 | 12.5 | 362 psi | 2" NPT |
| 5 | 12.05 | 15.00 | 15.00 | 349 | 151.3 | 10.4 | 362 psi | 2" NPT |
| 4 | 9.64 | 10.00 | 10.00 | 280 | 121.4 | 8.4 | 362 psi | 2" NPT |
| 3 | 7.23 | 7.50 | 7.50 | 210 | 91 | 6.3 | 362 psi | 2" NPT |
| 2 | 4.82 | 5.00 | 5.00 | 140 | 60.7 | 4.2 | 362 psi | 2" NPT |
| 1 | 2.41 | 3.00 | 3.00 | 70 | 30.3 | 2.1 | 362 psi | 2" NPT |

TECHNICAL DATA – PUMP HYDRAULICS/ MOTOR SIZING (COUPLED CONFIGURATIONS)

33SVI 3500 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|-------------------------------------|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 4 | 21.8 | 20 | 25 | 434.5 | 188.1 | 13.0 | 435 psi | 2.5" Flanged |
| 4/1 | 19.6 | 20 | 20 | 404.6 | 175.2 | 12.1 | 435 psi | 2.5" Flanged |
| 4/2 | 17.4 | 20 | 20 | 374.8 | 162.3 | 11.2 | 435 psi | 2.5" Flanged |
| 3 | 16.3 | 15 | 20 | 325.9 | 141.1 | 9.7 | 435 psi | 2.5" Flanged |
| 3/1 | 14.4 | 15 | 15 | 297.7 | 128.9 | 8.9 | 435 psi | 2.5" Flanged |
| 3/2 | 12.5 | 15 | 15 | 269.4 | 116.6 | 8.1 | 435 psi | 2.5" Flanged |
| 2 | 10.9 | 10 | 15 | 217.3 | 94.1 | 6.5 | 435 psi | 2.5" Flanged |
| 2/1 | 8.7 | 10 | 10 | 187.9 | 81.3 | 5.6 | 435 psi | 2.5" Flanged |
| 2/2 | 6.6 | 7.5 | 7.5 | 156.1 | 67.6 | 4.7 | 435 psi | 2.5" Flanged |
| 1 | 5.5 | 5 | 7.5 | 108.7 | 47.1 | 3.3 | 435 psi | 2.5" Flanged |
| 1/1 | 3.3 | 3 | 5 | 77.6 | 33.6 | 2.3 | 435 psi | 2.5" Flanged |

46SVI 3500 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|-------------------------------------|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 3 | 23.8 | 25 | 25 | 368.3 | 159.4 | 11.0 | 362 psi | 3" Flanged |
| 3/1 | 21.9 | 20 | 25 | 334.0 | 144.6 | 10.0 | 362 psi | 3" Flanged |
| 3/2 | 20.2 | 20 | 25 | 302.0 | 130.7 | 9.0 | 362 psi | 3" Flanged |
| 2 | 15.7 | 15 | 20 | 245.2 | 106.1 | 7.3 | 362 psi | 3" Flanged |
| 2/1 | 14 | 15 | 15 | 213.1 | 92.3 | 6.4 | 362 psi | 3" Flanged |
| 2/2 | 12.3 | 15 | 15 | 185.6 | 80.3 | 5.5 | 362 psi | 3" Flanged |
| 1 | 7.9 | 7.5 | 10 | 126.1 | 54.6 | 3.8 | 362 psi | 3" Flanged |
| 1/1 | 6.1 | 7.5 | 7.5 | 92.5 | 40 | 2.8 | 362 psi | 3" Flanged |

66SVI 3500 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|-------------------------------------|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 3 | 35.5 | 40 | 40 | 399.7 | 173.0 | 11.9 | 232 psi | 3" Flanged |
| 3/1 | 31.4 | 30 | 40 | 367.3 | 159.0 | 11.0 | 232 psi | 3" Flanged |
| 3/2 | 29.1 | 30 | 30 | 334.9 | 145.0 | 10.0 | 232 psi | 3" Flanged |
| 2 | 23.7 | 25 | 25 | 268.3 | 116.2 | 8.0 | 232 psi | 3" Flanged |
| 2/1 | 20.2 | 20 | 25 | 235.4 | 101.9 | 7.0 | 232 psi | 3" Flanged |
| 2/2 | 17.4 | 20 | 20 | 202.3 | 87.6 | 6.0 | 232 psi | 3" Flanged |
| 1 | 12.1 | 15 | 15 | 137.7 | 59.6 | 4.1 | 232 psi | 3" Flanged |
| 1/1 | 8.0 | 7.5 | 10 | 99.1 | 42.9 | 3.0 | 232 psi | 3" Flanged |

92SVI 3500 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|-------------------------------------|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 3/1 | 43.8 | 40 | - | 413.7 | 179.1 | 12.3 | 232 psi | 3" Flanged |
| 3/2 | 38.9 | 40 | 40 | 368.3 | 159.4 | 11.0 | 232 psi | 3" Flanged |
| 2 | 32.4 | 30 | 40 | 307.4 | 133.1 | 9.2 | 232 psi | 3" Flanged |
| 2/1 | 27.9 | 25 | 30 | 264.3 | 114.4 | 7.9 | 232 psi | 3" Flanged |
| 2/2 | 23.4 | 25 | 25 | 219.9 | 95.2 | 6.6 | 232 psi | 3" Flanged |
| 1 | 16.7 | 15 | 20 | 156.2 | 67.6 | 4.7 | 232 psi | 3" Flanged |
| 1/1 | 12 | 15 | 15 | 114.7 | 49.7 | 3.4 | 232 psi | 3" Flanged |

TECHNICAL DATA – PUMP HYDRAULICS/ MOTOR SIZING (COUPLED CONFIGURATIONS)

1 e-SVI 1750 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF (HP>1) OR 1.25 SF (HP<1) MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|--|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 30 | 0.44 | 0.50 | 0.50 | 210 | 91 | 6.3 | 362 psi | 1-1/4" NPT |
| 29 | 0.43 | 0.50 | 0.50 | 203 | 88 | 6.1 | 362 psi | 1-1/4" NPT |
| 28 | 0.41 | 0.50 | 0.50 | 196 | 85 | 5.8 | 362 psi | 1-1/4" NPT |
| 27 | 0.4 | 0.50 | 0.50 | 189 | 82 | 5.6 | 362 psi | 1-1/4" NPT |
| 26 | 0.38 | 0.50 | 0.50 | 181 | 78 | 5.4 | 362 psi | 1-1/4" NPT |
| 25 | 0.37 | 0.50 | 0.50 | 175 | 76 | 5.2 | 362 psi | 1-1/4" NPT |
| 24 | 0.36 | 0.50 | 0.50 | 168 | 73 | 5 | 362 psi | 1-1/4" NPT |
| 23 | 0.34 | 0.50 | 0.50 | 162 | 70 | 4.8 | 362 psi | 1-1/4" NPT |
| 22 | 0.33 | 0.50 | 0.50 | 155 | 67 | 4.6 | 362 psi | 1-1/4" NPT |
| 21 | 0.31 | 0.50 | 0.50 | 148 | 64 | 4.4 | 362 psi | 1-1/4" NPT |
| 20 | 0.3 | 0.50 | 0.50 | 141 | 61 | 4.2 | 362 psi | 1-1/4" NPT |
| 19 | 0.28 | 0.50 | 0.50 | 134 | 58 | 4 | 362 psi | 1-1/4" NPT |
| 18 | 0.27 | 0.50 | 0.50 | 127 | 55 | 3.8 | 362 psi | 1-1/4" NPT |
| 17 | 0.25 | 0.50 | 0.50 | 120 | 52 | 3.6 | 362 psi | 1-1/4" NPT |
| 16 | 0.23 | 0.50 | 0.50 | 112 | 49 | 3.4 | 362 psi | 1-1/4" NPT |
| 15 | 0.22 | 0.50 | 0.50 | 107 | 46 | 3.2 | 362 psi | 1-1/4" NPT |
| 14 | 0.21 | 0.50 | 0.50 | 100 | 43 | 3 | 362 psi | 1-1/4" NPT |
| 13 | 0.19 | 0.50 | 0.50 | 93 | 40 | 2.8 | 362 psi | 1-1/4" NPT |
| 12 | 0.18 | 0.50 | 0.50 | 86 | 37 | 2.6 | 362 psi | 1-1/4" NPT |
| 11 | 0.16 | 0.50 | 0.50 | 79 | 34 | 2.4 | 362 psi | 1-1/4" NPT |
| 10 | 0.15 | 0.50 | 0.50 | 72 | 31 | 2.1 | 362 psi | 1-1/4" NPT |
| 9 | 0.13 | 0.50 | 0.50 | 65 | 28 | 1.9 | 362 psi | 1-1/4" NPT |
| 8 | 0.12 | 0.50 | 0.50 | 58 | 25 | 1.7 | 362 psi | 1-1/4" NPT |
| 7 | 0.1 | 0.50 | 0.50 | 50 | 22 | 1.5 | 362 psi | 1-1/4" NPT |
| 6 | 0.09 | 0.50 | 0.50 | 43 | 19 | 1.3 | 362 psi | 1-1/4" NPT |
| 5 | 0.07 | 0.50 | 0.50 | 36 | 16 | 1.1 | 362 psi | 1-1/4" NPT |
| 4 | 0.06 | 0.50 | 0.50 | 29 | 13 | 0.9 | 362 psi | 1-1/4" NPT |
| 3 | 0.04 | 0.50 | 0.50 | 22 | 10 | 0.7 | 362 psi | 1-1/4" NPT |
| 2 | 0.03 | 0.50 | 0.50 | 15 | 6 | 0.4 | 362 psi | 1-1/4" NPT |

TECHNICAL DATA – PUMP HYDRAULICS/ MOTOR SIZING (COUPLED CONFIGURATIONS)

3 e-SVI 1750 RPM

| NO OF IMPELLERS / NO OF REDUCED DIAMETER | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF (HP>1) OR 1.25 SF (HP<1) MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|--|--------------------|---|--|-----------------------|----------------------|----------------------|----------------------------------|------------------------------|
| 30 | 0.73 | 0.75 | 0.75 | 267 | 116 | 8 | 362 psi | 1-1/4" NPT |
| 29 | 0.71 | 0.75 | 0.75 | 257 | 111 | 7.7 | 362 psi | 1-1/4" NPT |
| 28 | 0.68 | 0.75 | 0.75 | 249 | 108 | 7.4 | 362 psi | 1-1/4" NPT |
| 27 | 0.66 | 0.75 | 0.75 | 240 | 104 | 7.2 | 362 psi | 1-1/4" NPT |
| 26 | 0.63 | 0.75 | 0.75 | 231 | 100 | 6.9 | 362 psi | 1-1/4" NPT |
| 25 | 0.61 | 0.5 | 0.75 | 222 | 96 | 6.6 | 362 psi | 1-1/4" NPT |
| 24 | 0.59 | 0.5 | 0.75 | 213 | 92 | 6.4 | 362 psi | 1-1/4" NPT |
| 23 | 0.56 | 0.5 | 0.75 | 204 | 88 | 6.1 | 362 psi | 1-1/4" NPT |
| 22 | 0.54 | 0.5 | 0.75 | 194 | 84 | 5.8 | 362 psi | 1-1/4" NPT |
| 21 | 0.51 | 0.5 | 0.75 | 184 | 80 | 5.5 | 362 psi | 1-1/4" NPT |
| 20 | 0.49 | 0.5 | 0.5 | 167 | 72 | 5 | 362 psi | 1-1/4" NPT |
| 19 | 0.46 | 0.5 | 0.5 | 162 | 70 | 4.8 | 362 psi | 1-1/4" NPT |
| 18 | 0.44 | 0.5 | 0.5 | 156 | 68 | 4.7 | 362 psi | 1-1/4" NPT |
| 17 | 0.41 | 0.5 | 0.5 | 150 | 65 | 4.5 | 362 psi | 1-1/4" NPT |
| 16 | 0.39 | 0.5 | 0.5 | 141 | 61 | 4.2 | 362 psi | 1-1/4" NPT |
| 15 | 0.37 | 0.5 | 0.5 | 132 | 57 | 3.9 | 362 psi | 1-1/4" NPT |
| 14 | 0.34 | 0.5 | 0.5 | 124 | 54 | 3.7 | 362 psi | 1-1/4" NPT |
| 13 | 0.32 | 0.5 | 0.5 | 115 | 50 | 3.4 | 362 psi | 1-1/4" NPT |
| 12 | 0.29 | 0.5 | 0.5 | 105 | 45 | 3.1 | 362 psi | 1-1/4" NPT |
| 11 | 0.27 | 0.5 | 0.5 | 97 | 42 | 2.9 | 362 psi | 1-1/4" NPT |
| 10 | 0.24 | 0.5 | 0.5 | 89 | 39 | 2.7 | 362 psi | 1-1/4" NPT |
| 9 | 0.22 | 0.5 | 0.5 | 80 | 35 | 2.4 | 362 psi | 1-1/4" NPT |
| 8 | 0.2 | 0.5 | 0.5 | 71 | 31 | 2.1 | 362 psi | 1-1/4" NPT |
| 7 | 0.17 | 0.5 | 0.5 | 63 | 27 | 1.9 | 362 psi | 1-1/4" NPT |
| 6 | 0.15 | 0.5 | 0.5 | 54 | 23 | 1.6 | 362 psi | 1-1/4" NPT |
| 5 | 0.12 | 0.5 | 0.5 | 45 | 19 | 1.3 | 362 psi | 1-1/4" NPT |
| 4 | 0.1 | 0.5 | 0.5 | 36 | 16 | 1.1 | 362 psi | 1-1/4" NPT |
| 3 | 0.07 | 0.5 | 0.5 | 28 | 12 | 0.8 | 362 psi | 1-1/4" NPT |
| 2 | 0.05 | 0.5 | 0.5 | 19 | 8 | 0.6 | 362 psi | 1-1/4" NPT |

TECHNICAL DATA – PUMP HYDRAULICS/ MOTOR SIZING (COUPLED CONFIGURATIONS)

5 e-SVI 1750 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF (HP>1) OR 1.25 SF (HP<1) MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|--|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 27 | 1.02 | 1.00 | 1.50 | 239 | 104 | 7.1 | 362 psi | 1-1/4" NPT |
| 26 | 0.98 | 1.00 | 1.00 | 230 | 100 | 6.9 | 362 psi | 1-1/4" NPT |
| 25 | 0.94 | 1.00 | 1.00 | 220 | 95 | 6.6 | 362 psi | 1-1/4" NPT |
| 24 | 0.9 | 0.75 | 1.00 | 212 | 92 | 6.3 | 362 psi | 1-1/4" NPT |
| 23 | 0.87 | 0.75 | 1.00 | 203 | 88 | 6.1 | 362 psi | 1-1/4" NPT |
| 22 | 0.83 | 0.75 | 1.00 | 195 | 84 | 5.8 | 362 psi | 1-1/4" NPT |
| 21 | 0.79 | 0.75 | 1.00 | 186 | 81 | 5.6 | 362 psi | 1-1/4" NPT |
| 20 | 0.75 | 0.75 | 0.75 | 177 | 77 | 5.3 | 362 psi | 1-1/4" NPT |
| 19 | 0.72 | 0.75 | 0.75 | 167 | 72 | 5 | 362 psi | 1-1/4" NPT |
| 18 | 0.68 | 0.75 | 0.75 | 159 | 69 | 4.7 | 362 psi | 1-1/4" NPT |
| 17 | 0.64 | 0.75 | 0.75 | 150 | 65 | 4.5 | 362 psi | 1-1/4" NPT |
| 16 | 0.6 | 0.50 | 0.75 | 142 | 61 | 4.2 | 362 psi | 1-1/4" NPT |
| 15 | 0.57 | 0.50 | 0.75 | 133 | 58 | 4 | 362 psi | 1-1/4" NPT |
| 14 | 0.53 | 0.50 | 0.75 | 124 | 54 | 3.7 | 362 psi | 1-1/4" NPT |
| 13 | 0.49 | 0.50 | 0.50 | 114 | 49 | 3.4 | 362 psi | 1-1/4" NPT |
| 12 | 0.45 | 0.50 | 0.50 | 106 | 46 | 3.2 | 362 psi | 1-1/4" NPT |
| 11 | 0.41 | 0.50 | 0.50 | 97 | 42 | 2.9 | 362 psi | 1-1/4" NPT |
| 10 | 0.38 | 0.50 | 0.50 | 88 | 38 | 2.6 | 362 psi | 1-1/4" NPT |
| 9 | 0.34 | 0.50 | 0.50 | 79 | 34 | 2.4 | 362 psi | 1-1/4" NPT |
| 8 | 0.3 | 0.50 | 0.50 | 71 | 31 | 2.1 | 362 psi | 1-1/4" NPT |
| 7 | 0.26 | 0.50 | 0.50 | 62 | 27 | 1.9 | 362 psi | 1-1/4" NPT |
| 6 | 0.23 | 0.50 | 0.50 | 54 | 23 | 1.6 | 362 psi | 1-1/4" NPT |
| 5 | 0.19 | 0.50 | 0.50 | 45 | 19 | 1.3 | 362 psi | 1-1/4" NPT |
| 4 | 0.15 | 0.50 | 0.50 | 37 | 16 | 1.1 | 362 psi | 1-1/4" NPT |
| 3 | 0.11 | 0.50 | 0.50 | 28 | 12 | 0.8 | 362 psi | 1-1/4" NPT |
| 2 | 0.08 | 0.5 | 0.5 | 19 | 8 | 0.6 | 362 psi | 1-1/4" NPT |

TECHNICAL DATA – PUMP HYDRAULICS/ MOTOR SIZING (COUPLED CONFIGURATIONS)

10 e-SVI 1750 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF (HP>1) OR 1.25 SF (HP<1) MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|--|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 20 | 2.13 | 3.00 | 3.00 | 286 | 124 | 8.5 | 362 psi | 2" NPT |
| 19 | 2.05 | 2.00 | 3.00 | 272 | 118 | 8.1 | 362 psi | 2" NPT |
| 18 | 1.99 | 2.00 | 2.00 | 257 | 111 | 7.7 | 362 psi | 2" NPT |
| 17 | 1.91 | 2.00 | 2.00 | 243 | 105 | 7.3 | 362 psi | 2" NPT |
| 16 | 1.81 | 2.00 | 2.00 | 229 | 99 | 6.8 | 362 psi | 2" NPT |
| 15 | 1.59 | 2.00 | 2.00 | 214 | 93 | 6.4 | 362 psi | 2" NPT |
| 14 | 1.49 | 1.50 | 1.50 | 200 | 87 | 6 | 362 psi | 2" NPT |
| 13 | 1.38 | 1.50 | 1.50 | 185 | 80 | 5.5 | 362 psi | 2" NPT |
| 12 | 1.28 | 1.50 | 1.50 | 170 | 74 | 5.1 | 362 psi | 2" NPT |
| 11 | 1.19 | 1.50 | 1.50 | 154 | 67 | 4.6 | 362 psi | 2" NPT |
| 10 | 1.08 | 1.00 | 1.50 | 141 | 61 | 4.2 | 362 psi | 2" NPT |
| 9 | 0.95 | 1.00 | 1.00 | 127 | 55 | 3.8 | 362 psi | 2" NPT |
| 8 | 0.85 | 0.75 | 1.00 | 113 | 49 | 3.4 | 362 psi | 2" NPT |
| 7 | 0.74 | 0.75 | 0.75 | 98 | 42 | 2.9 | 362 psi | 2" NPT |
| 6 | 0.62 | 0.75 | 0.75 | 85 | 37 | 2.5 | 362 psi | 2" NPT |
| 5 | 0.52 | 0.50 | 0.75 | 71 | 31 | 2.1 | 362 psi | 2" NPT |
| 4 | 0.42 | 0.50 | 0.50 | 57 | 25 | 1.7 | 362 psi | 2" NPT |
| 3 | 0.32 | 0.50 | 0.50 | 43 | 19 | 1.3 | 362 psi | 2" NPT |
| 2 | 0.22 | 0.50 | 0.50 | 29 | 13 | 0.9 | 362 psi | 2" NPT |
| 1 | 0.11 | 0.50 | 0.50 | 14 | 6 | 0.4 | 362 psi | 2" NPT |

15 e-SVI 1750 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF (HP>1) OR 1.25 SF (HP<1) MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|--|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 15 | 3.50 | 5.00 | 5.00 | 263 | 114 | 7.8 | 362 psi | 2" NPT |
| 14 | 3.20 | 3.00 | 5.00 | 245 | 106 | 7.3 | 362 psi | 2" NPT |
| 13 | 3.01 | 3.00 | 5.00 | 228 | 99 | 6.8 | 362 psi | 2" NPT |
| 12 | 2.74 | 3.00 | 3.00 | 210 | 91 | 6.3 | 362 psi | 2" NPT |
| 11 | 2.51 | 3.00 | 3.00 | 192 | 83 | 5.7 | 362 psi | 2" NPT |
| 10 | 2.33 | 3.00 | 3.00 | 175 | 76 | 5.2 | 362 psi | 2" NPT |
| 9 | 2.06 | 2.00 | 3.00 | 158 | 68 | 4.7 | 362 psi | 2" NPT |
| 8 | 1.83 | 2.00 | 2.00 | 140 | 61 | 4.2 | 362 psi | 2" NPT |
| 7 | 1.60 | 1.50 | 2.00 | 120 | 52 | 3.6 | 362 psi | 2" NPT |
| 6 | 1.38 | 1.50 | 1.50 | 103 | 45 | 3.1 | 362 psi | 2" NPT |
| 5 | 1.15 | 1.00 | 1.50 | 86 | 37 | 2.6 | 362 psi | 2" NPT |
| 4 | 0.92 | 1.00 | 1.00 | 68 | 29 | 2 | 362 psi | 2" NPT |
| 3 | 0.69 | 0.75 | 0.75 | 51 | 22 | 1.5 | 362 psi | 2" NPT |
| 2 | 0.46 | 0.50 | 0.50 | 35 | 15 | 1 | 362 psi | 2" NPT |
| 1 | 0.23 | 0.50 | 0.50 | 8 | 3 | 0.2 | 362 psi | 2" NPT |

TECHNICAL DATA – PUMP HYDRAULICS/ MOTOR SIZING (COUPLED CONFIGURATIONS)

22 e-SVI 1750 RPM

| NO OF IMPELLERS | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF (HP>1) OR 1.25 SF (HP<1) MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|-----------------|-----------------|--|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 12 | 3.50 | 5.00 | 5.00 | 220 | 95 | 6.6 | 362 psi | 2" NPT |
| 11 | 3.17 | 3.00 | 5.00 | 202 | 87 | 6 | 362 psi | 2" NPT |
| 10 | 2.89 | 3.00 | 3.00 | 183 | 79 | 5.5 | 362 psi | 2" NPT |
| 9 | 2.59 | 3.00 | 3.00 | 165 | 71 | 4.9 | 362 psi | 2" NPT |
| 8 | 2.32 | 3.00 | 3.00 | 147 | 64 | 4.4 | 362 psi | 2" NPT |
| 7 | 2.02 | 2.00 | 3.00 | 129 | 56 | 3.8 | 362 psi | 2" NPT |
| 6 | 1.74 | 2.00 | 2.00 | 110 | 48 | 3.3 | 362 psi | 2" NPT |
| 5 | 1.41 | 1.50 | 1.50 | 91 | 39 | 2.7 | 362 psi | 2" NPT |
| 4 | 1.19 | 1.50 | 1.50 | 74 | 32 | 2.2 | 362 psi | 2" NPT |
| 3 | 0.87 | 0.75 | 1.00 | 55 | 24 | 1.6 | 362 psi | 2" NPT |
| 2 | 0.57 | 0.50 | 0.75 | 36 | 16 | 1.1 | 362 psi | 2" NPT |
| 1 | 0.29 | 0.50 | 0.50 | 19 | 8 | 0.6 | 362 psi | 2" NPT |

33 e-SVI 1750 RPM

| NO OF IMPELLERS / NO OF REDUCED DIAMETER | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|--|-----------------|-------------------------------------|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 10 | 6.9 | 7.5 | 7.5 | 271.6 | 117.6 | 8.1 | 435 psi | 2.5" Flanged |
| 10/1 | 6.7 | 7.5 | 7.5 | 264.4 | 114.5 | 7.9 | 435 psi | 2.5" Flanged |
| 10/2 | 6.4 | 7.5 | 7.5 | 257.1 | 111.3 | 7.7 | 435 psi | 2.5" Flanged |
| 9 | 6.2 | 7.5 | 7.5 | 244.4 | 105.8 | 7.3 | 435 psi | 2.5" Flanged |
| 9/1 | 6.0 | 7.5 | 7.5 | 237.2 | 102.7 | 7.1 | 435 psi | 2.5" Flanged |
| 9/2 | 5.8 | 7.5 | 7.5 | 229.9 | 99.5 | 6.9 | 435 psi | 2.5" Flanged |
| 8 | 5.5 | 5 | 7.5 | 217.3 | 94.1 | 6.5 | 435 psi | 2.5" Flanged |
| 8/1 | 5.3 | 5 | 7.5 | 210 | 90.9 | 6.3 | 435 psi | 2.5" Flanged |
| 8/2 | 5.0 | 5 | 5 | 202.6 | 87.7 | 6.0 | 435 psi | 2.5" Flanged |
| 7 | 4.8 | 5 | 5 | 190.1 | 82.3 | 5.7 | 435 psi | 2.5" Flanged |
| 7/1 | 4.6 | 5 | 5 | 182.8 | 79.1 | 5.5 | 435 psi | 2.5" Flanged |
| 7/2 | 4.3 | 5 | 5 | 175.5 | 76.0 | 5.2 | 435 psi | 2.5" Flanged |
| 6 | 4.1 | 5 | 5 | 163 | 70.6 | 4.9 | 435 psi | 2.5" Flanged |
| 6/1 | 3.9 | 5 | 5 | 155.6 | 67.4 | 4.6 | 435 psi | 2.5" Flanged |
| 6/2 | 3.6 | 5 | 5 | 148.3 | 64.2 | 4.4 | 435 psi | 2.5" Flanged |
| 5 | 3.5 | 5 | 5 | 135.8 | 58.8 | 4.1 | 435 psi | 2.5" Flanged |
| 5/1 | 3.2 | 3 | 5 | 128.5 | 55.6 | 3.8 | 435 psi | 2.5" Flanged |
| 5/2 | 3.0 | 3 | 3 | 122.1 | 52.9 | 3.6 | 435 psi | 2.5" Flanged |
| 4 | 2.7 | 3 | 3 | 108.7 | 47.1 | 3.2 | 435 psi | 2.5" Flanged |
| 4/1 | 2.5 | 3 | 3 | 101.2 | 43.8 | 3.0 | 435 psi | 2.5" Flanged |
| 4/2 | 2.2 | 2 | 3 | 93.7 | 40.6 | 2.8 | 435 psi | 2.5" Flanged |
| 3 | 2.1 | 2 | 3 | 81.5 | 35.3 | 2.4 | 435 psi | 2.5" Flanged |
| 2 | 1.4 | 1.5 | 1.5 | 54.3 | 23.5 | 1.6 | 435 psi | 2.5" Flanged |
| 1 | 0.7 | 1 | 1 | 27.1 | 11.7 | 0.8 | 435 psi | 2.5" Flanged |

TECHNICAL DATA – PUMP HYDRAULICS/ MOTOR SIZING (COUPLED CONFIGURATIONS)

46 e-SVI 1750 RPM

| NO OF IMPELLERS / NO OF REDUCED DIAMETER | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|--|-----------------|-------------------------------------|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 10/2 | 9.5 | 10 | 10 | 287.3 | 124.4 | 8.6 | 362 psi | 3" Flanged |
| 9 | 8.9 | 10 | 10 | 274.7 | 118.9 | 8.2 | 362 psi | 3" Flanged |
| 9/1 | 8.7 | 10 | 10 | 265.8 | 115.1 | 7.9 | 362 psi | 3" Flanged |
| 9/2 | 8.6 | 7.5 | 10 | 256.7 | 111.1 | 7.7 | 362 psi | 3" Flanged |
| 8 | 7.9 | 7.5 | 10 | 244.1 | 105.7 | 7.3 | 362 psi | 3" Flanged |
| 8/1 | 7.7 | 7.5 | 10 | 235.3 | 101.9 | 7.0 | 362 psi | 3" Flanged |
| 8/2 | 7.5 | 7.5 | 7.5 | 226.2 | 97.9 | 6.8 | 362 psi | 3" Flanged |
| 7 | 7.0 | 7.5 | 7.5 | 213.6 | 92.5 | 6.4 | 362 psi | 3" Flanged |
| 7/1 | 6.7 | 7.5 | 7.5 | 204.7 | 88.6 | 6.1 | 362 psi | 3" Flanged |
| 7/2 | 6.5 | 7.5 | 7.5 | 195.7 | 84.7 | 5.8 | 362 psi | 3" Flanged |
| 6 | 6.0 | 7.5 | 7.5 | 183.1 | 79.3 | 5.5 | 362 psi | 3" Flanged |
| 6/1 | 5.8 | 7.5 | 7.5 | 174.2 | 75.4 | 5.2 | 362 psi | 3" Flanged |
| 6/2 | 5.5 | 5 | 7.5 | 165.1 | 71.5 | 4.9 | 362 psi | 3" Flanged |
| 5 | 5.0 | 5 | 5 | 152.6 | 66.1 | 4.6 | 362 psi | 3" Flanged |
| 5/1 | 4.8 | 5 | 5 | 143.6 | 62.2 | 4.3 | 362 psi | 3" Flanged |
| 5/2 | 4.5 | 5 | 5 | 134.6 | 58.3 | 4.0 | 362 psi | 3" Flanged |
| 4 | 4.0 | 5 | 5 | 122.1 | 52.9 | 3.6 | 362 psi | 3" Flanged |
| 4/1 | 3.8 | 5 | 5 | 113.1 | 49.0 | 3.4 | 362 psi | 3" Flanged |
| 4/2 | 3.5 | 5 | 5 | 105.4 | 45.6 | 3.1 | 362 psi | 3" Flanged |
| 3 | 3.0 | 3 | 3 | 92.0 | 39.8 | 2.7 | 362 psi | 3" Flanged |
| 3/1 | 2.7 | 3 | 3 | 83.5 | 36.1 | 2.5 | 362 psi | 3" Flanged |
| 3/2 | 2.5 | 3 | 3 | 75.0 | 32.5 | 2.2 | 362 psi | 3" Flanged |
| 2 | 2.0 | 2 | 2 | 61.3 | 26.5 | 1.8 | 362 psi | 3" Flanged |
| 1 | 1.0 | 1 | 1 | 31.5 | 13.6 | 0.9 | 362 psi | 3" Flanged |

66 e-SVI 1750 RPM

| NO OF IMPELLERS / NO OF REDUCED DIAMETER | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|--|-----------------|-------------------------------------|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 6 | 9.0 | 10 | 10 | 199.2 | 86.2 | 5.9 | 232 psi | 3" Flanged |
| 6/1 | 8.7 | 10 | 10 | 191.2 | 82.8 | 5.7 | 232 psi | 3" Flanged |
| 6/2 | 7.9 | 7.5 | 10 | 183.2 | 79.3 | 5.5 | 232 psi | 3" Flanged |
| 5 | 7.5 | 7.5 | 7.5 | 166.1 | 71.9 | 5.0 | 232 psi | 3" Flanged |
| 5/1 | 6.9 | 7.5 | 7.5 | 158.1 | 68.4 | 4.7 | 232 psi | 3" Flanged |
| 5/2 | 6.4 | 7.5 | 7.5 | 150.2 | 65.0 | 4.5 | 232 psi | 3" Flanged |
| 4 | 5.9 | 7.5 | 7.5 | 132.7 | 57.4 | 4.0 | 232 psi | 3" Flanged |
| 4/1 | 5.7 | 5 | 7.5 | 124.9 | 54.1 | 3.7 | 232 psi | 3" Flanged |
| 4/2 | 4.9 | 5 | 5 | 116.9 | 50.6 | 3.5 | 232 psi | 3" Flanged |
| 3 | 4.5 | 5 | 5 | 100.0 | 43.3 | 3.0 | 232 psi | 3" Flanged |
| 3/1 | 3.9 | 5 | 5 | 91.8 | 39.7 | 2.7 | 232 psi | 3" Flanged |
| 3/2 | 3.5 | 5 | 5 | 83.7 | 36.2 | 2.5 | 232 psi | 3" Flanged |
| 2 | 3.0 | 3 | 3 | 67.1 | 29.0 | 2.0 | 232 psi | 3" Flanged |
| 2/1 | 2.5 | 3 | 3 | 58.8 | 25.5 | 1.8 | 232 psi | 3" Flanged |
| 2/2 | 2.0 | 2.0 | 2.0 | 50.6 | 21.9 | 1.5 | 232 psi | 3" Flanged |
| 1 | 1.5 | 1.5 | 1.5 | 34.4 | 14.9 | 1.0 | 232 psi | 3" Flanged |

TECHNICAL DATA – PUMP HYDRAULICS/ MOTOR SIZING (COUPLED CONFIGURATIONS)

92 e-SVI 1750 RPM

| NO OF IMPELLERS / NO OF REDUCED DIAMETER | MAXIMUM HP DRAW | MOTOR HP FOR USE WITH 1.15 SF MOTOR | MOTOR HP FOR USE WITH 1.0 SF MOTOR | MAXIMUM TDH (FEET) | MAXIMUM TDH (PSI) | MAXIMUM TDH (BAR) | MAXIMUM ALLOWABLE PRESSURE | DISCHARGE HEAD CONNECTION |
|--|-----------------|-------------------------------------|------------------------------------|--------------------|-------------------|-------------------|----------------------------|---------------------------|
| 6 | 12.5 | 15 | 15 | 227.0 | 98.3 | 6.8 | 232 psi | 3" Flanged |
| 6/1 | 11.5 | 10 | 15 | 215.2 | 93.2 | 6.4 | 232 psi | 3" Flanged |
| 6/2 | 10.9 | 10 | 15 | 202.3 | 87.6 | 6.0 | 232 psi | 3" Flanged |
| 5 | 10.4 | 10 | 15 | 189.1 | 81.9 | 5.6 | 232 psi | 3" Flanged |
| 5/1 | 9.5 | 10 | 10 | 178.0 | 77.1 | 5.3 | 232 psi | 3" Flanged |
| 5/2 | 8.9 | 10 | 10 | 165.1 | 71.5 | 4.9 | 232 psi | 3" Flanged |
| 4 | 8.3 | 7.5 | 10 | 151.3 | 65.5 | 4.5 | 232 psi | 3" Flanged |
| 4/1 | 7.5 | 7.5 | 7.5 | 140.7 | 60.9 | 4.2 | 232 psi | 3" Flanged |
| 4/2 | 6.9 | 7.5 | 7.5 | 127.8 | 55.3 | 3.8 | 232 psi | 3" Flanged |
| 3 | 6.3 | 7.5 | 7.5 | 113.5 | 49.1 | 3.4 | 232 psi | 3" Flanged |
| 3/1 | 5.5 | 5 | 7.5 | 103.4 | 44.8 | 3.1 | 232 psi | 3" Flanged |
| 3/2 | 4.9 | 5 | 5 | 92.1 | 39.9 | 2.7 | 232 psi | 3" Flanged |
| 2 | 4.1 | 5 | 5 | 76.8 | 33.2 | 2.3 | 232 psi | 3" Flanged |
| 2/1 | 3.5 | 5 | 5 | 66.1 | 28.6 | 2.0 | 232 psi | 3" Flanged |
| 2/2 | 2.9 | 3 | 3 | 55.0 | 23.8 | 1.6 | 232 psi | 3" Flanged |
| 1 | 2.1 | 2 | 3 | 39.1 | 16.9 | 1.2 | 232 psi | 3" Flanged |

TECHNICAL APPENDIX

NPSH

The minimum operating values that can be reached at the pump suction end are limited by the onset of cavitation.

Cavitation is the formation of vapor-filled cavities within liquids where the pressure is locally reduced to a critical value, or where the local pressure is equal to, or just below the vapor pressure of the liquid.

The vapor-filled cavities flow with the current and when they reach a higher pressure are the vapor contained in the cavities condenses. The cavities collide, generating pressure waves that are transmitted to the walls. These, being subjected to stress cycles, gradually become deformed and yield due to fatigue. This phenomenon, characterized by a metallic noise produced by the hammering on the pipe walls, is called incipient cavitation.

The damage caused by cavitation may be magnified by electrochemical corrosion and a local rise in temperature due to the plastic deformation of the walls. The materials that offer the highest resistance to heat and corrosion are alloy steels, especially austenitic steel. The conditions that trigger cavitation may be assessed by calculating the total net suction head, referred to in technical literature with the acronym NPSH (Net Positive Suction Head).

The NPSH represents the total energy (expressed in feet) of the liquid measured at suction under conditions of incipient cavitation, excluding the vapor pressure (expressed in feet) that the liquid has at the pump inlet.

A margin above the NPSH_r is necessary in order to achieve the pump's published performance and an adequate service life.

To find the static height (h_z) at which to install the machine under safe conditions, the following formula must be verified:

$$h_p + h_z \geq (\text{NPSH}_r + 2 \text{ feet}) + h_f + h_{pv}$$

where:

h_p is the absolute pressure applied to the free liquid surface in the suction tank, expressed in feet of liquid; h_p is the quotient between the barometric pressure and the specific weight of the liquid.

h_z is the suction lift between the pump axis and the free liquid surface in the suction tank, expressed in feet; h_z is negative when the liquid level is lower than the pump axis.

h_f is the flow resistance in the suction line and its accessories, such as: fittings, foot valve, gate valve, elbows, etc.

h_{pv} is the vapor pressure of the liquid at the operating temperature, expressed in feet of the liquid. h_{pv} is the quotient between the P_v vapor pressure and the liquid's specific weight.

0.5 is the safety factor.

The maximum possible suction head for installation depends on the value of the atmospheric pressure (i.e. the elevation above sea level at which the pump is installed) and the temperature of the liquid.

To help the user, with reference to water temperature (40°F) and to the elevation above sea level, the following tables show the drop in hydraulic pressure head in relation to the elevation above sea level, and the suction loss in relation to temperature.

| | | | | | | | |
|-------------------------------|-----|-----|-----|------|------|------|------|
| WATER TEMPERATURE (°C) | 68 | 104 | 140 | 176 | 194 | 230 | 248 |
| SUCTION LOSS (FT) | -.7 | 2.3 | 6.6 | 16.4 | 24.3 | 50.5 | 70.5 |

| | | | | | | |
|---------------------------------------|------|------|------|------|------|------|
| ELEVATION ABOVE SEA LEVEL (FT) | 1600 | 3300 | 4900 | 6500 | 8200 | 9800 |
| SUCTION LOSS (FT) | 1.8 | 3.6 | 5.4 | 7.2 | 9.0 | 10.8 |

To reduce it to a minimum, especially in cases of high suction head (over 13 - 16 feet) or within the operating limits with high flow rates, we recommend using a suction line having a larger diameter than that of the pump's suction port. It is always a good idea to position the pump as close as possible to the liquid to be pumped.

TECHNICAL APPENDIX

WATER PROPERTY CHART

| TEMP °F | TEMP °C | SPECIFIC VOLUME (CUBIC FT/LB) | SPECIFIC GRAVITY | | | WEIGHT (LB/CUBIC FT) | VAPOR PRESSURE (PSI ABS) |
|---------|---------|----------------------------------|------------------|--------|--------|-------------------------|-----------------------------|
| | | | @ 39.2°F | @ 60°F | @ 68°F | | |
| 32 | 0.0 | 0.01602 | 1.000 | 1.001 | 1.002 | 62.42 | 0.088 |
| 35 | 1.7 | 0.01602 | 1.000 | 1.001 | 1.002 | 62.42 | 0.100 |
| 40 | 4.4 | 0.01602 | 1.000 | 1.001 | 1.002 | 62.42 | 0.122 |
| 50 | 10.0 | 0.01603 | 0.999 | 1.001 | 1.002 | 62.38 | 0.178 |
| 60 | 15.6 | 0.01604 | 0.999 | 1.000 | 1.001 | 62.34 | 0.256 |
| 70 | 21.1 | 0.01606 | 0.998 | 0.999 | 1.000 | 62.27 | 0.363 |
| 80 | 26.7 | 0.01608 | 0.996 | 0.998 | 0.999 | 62.19 | 0.507 |
| 90 | 32.2 | 0.0161 | 0.995 | 0.996 | 0.997 | 62.11 | 0.698 |
| 100 | 37.8 | 0.01613 | 0.993 | 0.994 | 0.995 | 62.00 | 0.949 |
| 120 | 48.9 | 0.0162 | 0.989 | 0.990 | 0.991 | 61.73 | 1.692 |
| 140 | 60.0 | 0.01629 | 0.983 | 0.985 | 0.986 | 61.39 | 2.889 |
| 160 | 71.1 | 0.01639 | 0.977 | 0.979 | 0.979 | 61.01 | 4.741 |
| 180 | 82.2 | 0.01651 | 0.970 | 0.972 | 0.973 | 60.57 | 7.510 |
| 200 | 93.3 | 0.01663 | 0.963 | 0.964 | 0.966 | 60.13 | 11.526 |
| 212 | 100.0 | 0.01672 | 0.958 | 0.959 | 0.960 | 59.81 | 14.696 |
| 220 | 104.4 | 0.01677 | 0.955 | 0.956 | 0.957 | 59.63 | 17.186 |
| 240 | 115.6 | 0.01692 | 0.947 | 0.948 | 0.949 | 59.10 | 24.97 |
| 260 | 126.7 | 0.01709 | 0.938 | 0.939 | 0.940 | 58.51 | 35.43 |
| 280 | 137.8 | 0.01726 | 0.928 | 0.929 | 0.930 | 58.00 | 49.20 |
| 300 | 148.9 | 0.01745 | 0.918 | 0.919 | 0.920 | 57.31 | 67.01 |
| 320 | 160.0 | 0.01756 | 0.908 | 0.909 | 0.910 | 56.66 | 89.66 |
| 340 | 171.1 | 0.01787 | 0.896 | 0.898 | 0.899 | 55.96 | 118.01 |
| 360 | 182.2 | 0.01811 | 0.885 | 0.886 | 0.887 | 55.22 | 153.04 |
| 380 | 193.3 | 0.01836 | 0.873 | 0.874 | 0.875 | 54.47 | 195.77 |
| 400 | 204.4 | 0.01864 | 0.859 | 0.860 | 0.862 | 53.65 | 247.31 |
| 420 | 215.6 | 0.01894 | 0.846 | 0.847 | 0.848 | 52.80 | 308.83 |
| 440 | 226.7 | 0.01926 | 0.832 | 0.833 | 0.834 | 51.92 | 381.59 |
| 460 | 237.8 | 0.0196 | 0.817 | 0.818 | 0.819 | 51.02 | 466.9 |
| 480 | 248.9 | 0.02 | 0.801 | 0.802 | 0.803 | 50.00 | 566.1 |
| 500 | 260.0 | 0.0204 | 0.785 | 0.786 | 0.787 | 49.02 | 680.8 |
| 520 | 271.1 | 0.0209 | 0.765 | 0.766 | 0.767 | 47.85 | 812.4 |
| 540 | 282.2 | 0.0215 | 0.746 | 0.747 | 0.748 | 46.51 | 962.5 |
| 560 | 293.3 | 0.0221 | 0.726 | 0.727 | 0.728 | 45.30 | 1133.1 |
| 580 | 304.4 | 0.0228 | 0.703 | 0.704 | 0.704 | 43.90 | 1325.8 |
| 600 | 315.6 | 0.0236 | 0.678 | 0.679 | 0.680 | 42.30 | 1542.9 |
| 620 | 326.7 | 0.0247 | 0.649 | 0.650 | 0.650 | 40.50 | 1786.6 |
| 640 | 337.8 | 0.026 | 0.617 | 0.618 | 0.618 | 38.50 | 2059.7 |
| 660 | 348.9 | 0.0278 | 0.577 | 0.577 | 0.578 | 36.00 | 2365.4 |
| 680 | 360.0 | 0.0305 | 0.525 | 0.526 | 0.527 | 32.80 | 2708.1 |
| 700 | 371.1 | 0.0369 | 0.434 | 0.435 | 0.435 | 27.10 | 3093.7 |

TECHNICAL APPENDIX

VOLUMETRIC CAPACITY

| LITRES PER MINUTE (L/MIN) | CUBIC METRES PER HOUR (M ³ /H) | CUBIC FEET PER HOUR (FT ³ /H) | CUBIC FEET PER MINUTE (FT ³ /MIN) | IMP. GAL. PER MINUTE (IMP. GAL./MIN) | US GAL. PER MINUTE (US GAL./MIN) |
|---------------------------|---|--|--|--------------------------------------|----------------------------------|
| 1,0000 | 0,0600 | 2,1189 | 0,0353 | 0,2200 | 0,2640 |
| 16,6670 | 1,0000 | 35,3147 | 0,5886 | 3,6660 | 4,4030 |
| 0,4720 | 0,0283 | 1,0000 | 0,0167 | 0,1040 | 0,1250 |
| 28,3170 | 1,6990 | 60,0000 | 1,0000 | 6,2290 | 7,4800 |
| 4,5460 | 0,2728 | 9,6326 | 0,1605 | 1,0000 | 1,2010 |
| 3,7850 | 0,2271 | 8,0209 | 0,1337 | 0,8330 | 1,0000 |
| 0,1100 | 0,0066 | 0,2339 | 0,0039 | 0,0240 | 0,0290 |

PRESSURE AND HEAD

| NEWTONS PER SQUARE METRE (N/M ²) | KILOPASCAL (KPA) | BAR (BAR) | POUND FORCE PER SQUARE INCH (PSI) | METRE OF WATER (M H ₂ O) | MILLIMETRE OF MERCURY (MM HG) |
|--|------------------|---------------------|-----------------------------------|-------------------------------------|-------------------------------|
| 1,0000 | 0,0010 | 1 x 10 ⁵ | 1,45 x 10 ⁻⁴ | 1,02 x 10 ⁻⁴ | 0,0075 |
| 1000,0000 | 1,0000 | 0,0100 | 0,1450 | 0,1020 | 7,5000 |
| 100000,0000 | 100,0000 | 1,0000 | 14,5000 | 10,2000 | 750,1000 |
| 98067,0000 | 98,0700 | 0,9810 | 14,2200 | 10,0000 | 735,6000 |
| 6895,0000 | 6,8950 | 0,0690 | 1,0000 | 0,7030 | 51,7200 |
| 2984,0000 | 2,9840 | 0,0300 | 0,4330 | 0,3050 | 22,4200 |
| 9789,0000 | 9,7890 | 0,0980 | 1,4200 | 1,0000 | 73,4200 |
| 133,3000 | 0,1330 | 0,0013 | 0,0190 | 0,0140 | 1,0000 |
| 3386,0000 | 3,3860 | 0,0338 | 0,4910 | 0,3450 | 25,4000 |

LENGTH

| MILLIMETRE (MM) | CENTIMETRE (CM) | METRE (M) | INCH (IN) | FOOT (FT) | YARD (YD) |
|-----------------|-----------------|-----------|-----------|-----------|-----------|
| 1,0000 | 0,1000 | 0,0010 | 0,0394 | 0,0033 | 0,0011 |
| 10,0000 | 1,0000 | 0,0100 | 0,3937 | 0,0328 | 0,0109 |
| 1000,0000 | 100,0000 | 1,0000 | 39,3701 | 3,2808 | 1,0936 |
| 25,4000 | 2,5400 | 0,0254 | 1,0000 | 0,0833 | 0,0278 |
| 304,8000 | 30,4800 | 0,3048 | 12,0000 | 1,0000 | 0,3333 |
| 914,4000 | 91,4400 | 0,9144 | 36,0000 | 3,0000 | 1,0000 |

VOLUME

| CUBIC METRE (M ³) | LITRE (LITRE) | MILLILITRE (ML) | IMP. GALLON (IMP. GAL.) | US GALLON (US GAL.) | CUBIC FOOT (FT ³) |
|-------------------------------|---------------|---------------------|-------------------------|--------------------------|-------------------------------|
| 1,0000 | 1000,0000 | 1 x 10 ⁶ | 220,0000 | 264,2000 | 35,3147 |
| 0,0010 | 1,0000 | 1000,0000 | 0,2200 | 0,2642 | 0,0353 |
| 1 x 10 ⁻⁶ | 0,0010 | 1,0000 | 2,2 x 10 ⁻⁴ | 2,642 x 10 ⁻⁴ | 3,53 x 10 ⁻⁵ |
| 0,0045 | 4,5460 | 4546,0000 | 1,0000 | 1,2010 | 0,1605 |
| 0,0038 | 3,7850 | 3785,0000 | 0,8327 | 1,0000 | 0,1337 |
| 0,0283 | 28,3170 | 28317,0000 | 6,2288 | 7,4805 | 1,0000 |

TECHNICAL APPENDIX

WATER PROPERTY CHART

| TEMP °F | TEMP °C | SPECIFIC VOLUME (CUBIC FT/LB) | SPECIFIC GRAVITY | | | WEIGHT (LB/CUBIC FT) | VAPOR PRESSURE (PSI ABS) |
|---------|---------|----------------------------------|------------------|--------|--------|-------------------------|-----------------------------|
| | | | @ 39.2°F | @ 60°F | @ 68°F | | |
| 32 | 0.0 | 0.01602 | 1.000 | 1.001 | 1.002 | 62.42 | 0.088 |
| 35 | 1.7 | 0.01602 | 1.000 | 1.001 | 1.002 | 62.42 | 0.100 |
| 40 | 4.4 | 0.01602 | 1.000 | 1.001 | 1.002 | 62.42 | 0.122 |
| 50 | 10.0 | 0.01603 | 0.999 | 1.001 | 1.002 | 62.38 | 0.178 |
| 60 | 15.6 | 0.01604 | 0.999 | 1.000 | 1.001 | 62.34 | 0.256 |
| 70 | 21.1 | 0.01606 | 0.998 | 0.999 | 1.000 | 62.27 | 0.363 |
| 80 | 26.7 | 0.01608 | 0.996 | 0.998 | 0.999 | 62.19 | 0.507 |
| 90 | 32.2 | 0.0161 | 0.995 | 0.996 | 0.997 | 62.11 | 0.698 |
| 100 | 37.8 | 0.01613 | 0.993 | 0.994 | 0.995 | 62.00 | 0.949 |
| 120 | 48.9 | 0.0162 | 0.989 | 0.990 | 0.991 | 61.73 | 1.692 |
| 140 | 60.0 | 0.01629 | 0.983 | 0.985 | 0.986 | 61.39 | 2.889 |
| 160 | 71.1 | 0.01639 | 0.977 | 0.979 | 0.979 | 61.01 | 4.741 |
| 180 | 82.2 | 0.01651 | 0.970 | 0.972 | 0.973 | 60.57 | 7.510 |
| 200 | 93.3 | 0.01663 | 0.963 | 0.964 | 0.966 | 60.13 | 11.526 |
| 212 | 100.0 | 0.01672 | 0.958 | 0.959 | 0.960 | 59.81 | 14.696 |
| 220 | 104.4 | 0.01677 | 0.955 | 0.956 | 0.957 | 59.63 | 17.186 |
| 240 | 115.6 | 0.01692 | 0.947 | 0.948 | 0.949 | 59.10 | 24.97 |
| 260 | 126.7 | 0.01709 | 0.938 | 0.939 | 0.940 | 58.51 | 35.43 |
| 280 | 137.8 | 0.01726 | 0.928 | 0.929 | 0.930 | 58.00 | 49.20 |
| 300 | 148.9 | 0.01745 | 0.918 | 0.919 | 0.920 | 57.31 | 67.01 |
| 320 | 160.0 | 0.01756 | 0.908 | 0.909 | 0.910 | 56.66 | 89.66 |
| 340 | 171.1 | 0.01787 | 0.896 | 0.898 | 0.899 | 55.96 | 118.01 |
| 360 | 182.2 | 0.01811 | 0.885 | 0.886 | 0.887 | 55.22 | 153.04 |
| 380 | 193.3 | 0.01836 | 0.873 | 0.874 | 0.875 | 54.47 | 195.77 |
| 400 | 204.4 | 0.01864 | 0.859 | 0.860 | 0.862 | 53.65 | 247.31 |
| 420 | 215.6 | 0.01894 | 0.846 | 0.847 | 0.848 | 52.80 | 308.83 |
| 440 | 226.7 | 0.01926 | 0.832 | 0.833 | 0.834 | 51.92 | 381.59 |
| 460 | 237.8 | 0.0196 | 0.817 | 0.818 | 0.819 | 51.02 | 466.9 |
| 480 | 248.9 | 0.02 | 0.801 | 0.802 | 0.803 | 50.00 | 566.1 |
| 500 | 260.0 | 0.0204 | 0.785 | 0.786 | 0.787 | 49.02 | 680.8 |
| 520 | 271.1 | 0.0209 | 0.765 | 0.766 | 0.767 | 47.85 | 812.4 |
| 540 | 282.2 | 0.0215 | 0.746 | 0.747 | 0.748 | 46.51 | 962.5 |
| 560 | 293.3 | 0.0221 | 0.726 | 0.727 | 0.728 | 45.30 | 1133.1 |
| 580 | 304.4 | 0.0228 | 0.703 | 0.704 | 0.704 | 43.90 | 1325.8 |
| 600 | 315.6 | 0.0236 | 0.678 | 0.679 | 0.680 | 42.30 | 1542.9 |
| 620 | 326.7 | 0.0247 | 0.649 | 0.650 | 0.650 | 40.50 | 1786.6 |
| 640 | 337.8 | 0.026 | 0.617 | 0.618 | 0.618 | 38.50 | 2059.7 |
| 660 | 348.9 | 0.0278 | 0.577 | 0.577 | 0.578 | 36.00 | 2365.4 |
| 680 | 360.0 | 0.0305 | 0.525 | 0.526 | 0.527 | 32.80 | 2708.1 |
| 700 | 371.1 | 0.0369 | 0.434 | 0.435 | 0.435 | 27.10 | 3093.7 |

TECHNICAL APPENDIX

COMPATIBILITY CHART FOR MATERIALS IN CONTACT WITH MOST COMMONLY USED LIQUIDS

| LIQUID | CONCENTRATION (%) | TEMP. MIN/ MAX °F | SPECIFIC WEIGHT (LB/IN ³) | 1, 3, 5, 10, 15, 22 e-SVI | | RECOMMENDED SEAL | ELASTOMERS |
|---|-------------------|----------------------|--|---------------------------|-----|-----------------------------------|------------|
| | | | | CI/304 | 316 | | |
| Water | 100 | 23/194 | | • | • | Q ₁ Q ₁ EGG | E |
| Deionized, demineralized or distilled water | 100 | -13/194 | | • | • | Q ₁ Q ₁ EGG | E |
| Water and oil emulsion | any | 23/194 | | • | • | Q ₁ BVGG | V |
| Acetic acid (•) | 80 | 14/158 | .038 | • | • | Q ₁ Q ₁ EGG | E |
| Citric acid | 5 | 14/158 | .056 | • | • | Q ₁ Q ₁ EGG | E |
| Hydrochloric acid | 2 | 23/77 | .043 | | • | Q ₁ Q ₁ VGG | V |
| Phosphoric acid | 10 | 23/86 | .048 | | • | Q ₁ Q ₁ EGG | E |
| Nitric acid (•) | 50 | 23/86 | .053 | • | • | Q ₁ Q ₁ VGG | V |
| Sulphuric acid (•) | 2 | 14/77 | .066 | | • | Q ₁ BVGG | V |
| Tannic acid | 20 | 32/122 | | | • | Q ₁ Q ₁ EGG | E |
| Tartaric acid | 50 | 14/77 | .063 | • | • | Q ₁ Q ₁ VGG | V |
| Uric acid | 80 | 14/176 | .068 | • | • | Q ₁ Q ₁ EGG | E |
| Benzoic acid | 70 | 32/158 | .047 | • | • | Q ₁ BVGG | V |
| Boric acid | Saturated | 14/194 | .052 | • | • | Q ₁ Q ₁ VGG | V |
| Formic acid (•) | 5 | 5/77 | .044 | • | • | Q ₁ Q ₁ EGG | E |
| Ethyl alcohol (•) | 100 | 23/104 | .029 | • | • | Q ₁ Q ₁ EGG | E |
| Methyl alcohol (•) | 100 | 23/104 | .029 | • | • | Q ₁ Q ₁ EGG | E |
| Propyl alcohol (•) | 100 | 23/176 | .029 | • | • | Q ₁ Q ₁ EGG | E |
| Butyl alcohol | 100 | 23/176 | .030 | • | • | Q ₁ BVGG | V |
| Denatured alcohol (•) | 100 | 23/158 | .030 | • | • | Q ₁ Q ₁ EGG | E |
| Ammonia in water (•) | 25 | -4/122 | .038 | • | • | Q ₁ Q ₁ EGG | E |
| Chloroform | | 14/86 | .053 | • | • | Q ₁ BVGG | V |
| Caustic soda | 25 | 32/158 | .077 | • | • | Q ₁ Q ₁ EGG | E |
| Water, detergents, mineral oils mixture | | 23/176 | | • | • | Q ₁ Q ₁ VGG | V |
| Cleaning products | | 23/212 | | • | • | Q ₁ Q ₁ VGG | V |
| Glycerine | 100 | 68/194 | .046 | • | • | Q ₁ Q ₁ EGG | E |
| Sodium Hypochlorite | 1 | 14/77 | | | • | Q ₁ Q ₁ VGG | V |
| Phosphates/polyphosphates | | 23/194 | | | • | Q ₁ Q ₁ VGG | V |
| Sodium nitrate | Saturated | 14/176 | .081 | • | • | Q ₁ Q ₁ EGG | E |
| Cutting fluid | 100 | 23/194 | .033 | • | • | Q ₁ BVGG | V |
| Peanut oil (•) | 100 | 23/194 | .034 | • | • | Q ₁ Q ₁ EGG | E |
| Colza oil (•) | 100 | 23/194 | .034 | • | • | Q ₁ Q ₁ EGG | E |
| Linseed oil (•) | 100 | 23/194 | .034 | • | • | Q ₁ Q ₁ EGG | E |
| Coconut oil (•) | 100 | -4/194 | .033 | • | • | Q ₁ Q ₁ EGG | E |
| Soybean oil (•) | 100 | 32/194 | | • | • | Q ₁ Q ₁ EGG | E |
| Diathermic oil | 100 | 23/194 | .033 | • | • | Q ₁ BVGG | V |
| Hydraulic oil | 100 | 23/194 | | • | • | Q ₁ BVGG | V |
| Mineral oil | 100 | 23/194 | .034 | • | • | Q ₁ BVGG | V |
| Sodium sulfate | 15 | 14/104 | .094 | • | • | Q ₁ Q ₁ EGG | E |
| Aluminum sulfate | 30 | 23/122 | .097 | | • | Q ₁ Q ₁ EGG | E |
| Ammonium sulfate | 10 | 14/140 | .064 | | • | Q ₁ Q ₁ EGG | E |
| Iron sulfate | 10 | 23/86 | .076 | | • | Q ₁ Q ₁ EGG | E |
| Copper sulfate | 20 | 32/86 | .082 | | • | Q ₁ Q ₁ VGG | V |
| Trichloroethylene | | 14/104 | .053 | • | • | Q ₁ BVGG | V |
| Perchloroethylene | | 14/86 | .057 | • | • | Q ₁ BVGG | V |

Legend

Q₁ = Silicon carbide B = Impregnated carbon E = EPDM V = Viton G = AISI 316 (spring, metal components)

(•) A special version may be necessary for this fluid. For additional information, please contact our sales network.

NOTES

NOTES

NOTES

Xylem |'zīləm|

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

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

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