

## 3SVI1606ND4F6S0

### Technical data

Company Name  
Contact  
Phone number  
E-Mail address

#### Operating data

|   |                           |                  |                               |                |
|---|---------------------------|------------------|-------------------------------|----------------|
| 1 | Pumpe type                | Single head pump | Fluid                         | Water          |
| 2 | No. of pumps              | 1                | Operating temperature t A     | °F 39.2        |
| 3 | Nominal flow              | US g.p.m. 0      | Max/Min Operating Temperature | °F /           |
| 4 | Nominal head              | ft 0             | pH-value at t A               | 7              |
| 5 | Static head               | ft 0             | Density at t A                | lb/ft³ 62.4    |
| 6 | Inlet pressure            | psi 0            | Kin. viscosity at t A         | ft²/s 1.689E-5 |
| 7 | Environmental temperature | °F 68            | Vapor pressure at t A         | psi 14.5       |
| 8 | Available system NPSH     | ft 0             | Altitude                      | 0              |

#### Pump data

|    |                       |                   |
|----|-----------------------|-------------------|
| 9  | Design                | Multi-Stage Pumps |
| 10 | Impellers             | 6                 |
| 11 | Total stages          | 16                |
| 12 | Blank stages          | 10                |
| 13 | Operating speed       | rpm 3500          |
| 14 | Discharge flange      | 1 1/4" Female NPT |
| 15 | Max. casing pressure  | psi               |
| 16 | Max. working pressure | psi 89.7          |
| 17 | Impeller type         | Enclosed          |
| 18 | Head H(Q=0)           | ft 210            |
| 19 | Max. shaft power      | hp 1.3            |
| 20 | Pump weight           | kg 22.8 lb        |
| 21 | Total weight          | lb 71.2           |

#### Materials

|    |                                    |                                            |                                     |                          |
|----|------------------------------------|--------------------------------------------|-------------------------------------|--------------------------|
| 22 |                                    | Pump                                       |                                     | Mechanical seal          |
| 23 | 1 - Discharge Head - Motor Adapter | Stainless steel / ASTMCF8M (AISI 316 cast) | [S] = e-SVI Standard seal (coupled) |                          |
| 24 | 2 - Impeller                       | Stainless steel / AISI 316L                | e-SVI Coupled seal                  |                          |
| 25 | 3 - Diffuser                       | Stainless steel / AISI 316L                | Mechanical seal diameter            |                          |
| 26 | 4 - Casing                         | Stainless steel / AISI 316L                | 1 - Rotating part                   | Silicon carbide          |
| 27 | 5 - Shaft                          | Stainless steel / AISI 316                 | 2 - Stationary part                 | Resin impregnated carbon |
| 28 | 6 - Suction Base                   | Stainless steel / ASTMCF8M (AISI 316 cast) | 3 - Elastomers                      | FKM                      |
| 29 | 7 - Strainer                       | Stainless steel / AISI 316                 | 4 - Springs                         | AISI 316                 |
| 30 | 8 - Coupling                       | Aluminium                                  | 5 - Other components                | AISI 316                 |
| 31 | 9 - Seal Housing                   | Stainless steel / ASTMCF8M (AISI 316 cast) |                                     |                          |
| 32 | 10 - Mechanical Seal               | Refer Mechanical Seal                      |                                     |                          |
| 33 | 11 - Cartridge Seal                | Refer Mechanical Seal                      |                                     |                          |
| 34 | 12 - Elastomers                    | Refer Mechanical Seal                      |                                     |                          |
| 35 | 13 - Coupling Guard                | Stainless steel / AISI 304                 |                                     |                          |
| 36 | 14 - Shaft Sleeve and Bushing      | Tungsten carbide                           |                                     |                          |
| 37 | 15 - Tie Rods                      | Stainless steel / AISI 316                 |                                     |                          |
| 38 | 16 - Screws                        | Stainless steel / AISI 316                 |                                     |                          |
| 39 | 17 - Inducer                       | Stainless steel / ASTMCF8M (AISI 316 cast) |                                     |                          |
| 40 |                                    |                                            |                                     |                          |
| 41 |                                    |                                            |                                     |                          |

#### Motor data

|    |                 |                                 |
|----|-----------------|---------------------------------|
| 42 | Manufacturer    | Baldor                          |
| 43 | Specific design | 3ph TEPE                        |
| 44 | Type            | 208-230/460V 56C (V07A32E5BB2S) |
| 45 | Rated power     | 1.5 hp                          |
| 46 | Nominal speed   | 3500 rpm                        |
| 47 | Frame size      | 56C                             |
| 48 | Weight          | lb 44.0                         |

#### Remarks

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|         |            |            |            |             |
|---------|------------|------------|------------|-------------|
| Project | Project ID | Created by | Created on | Last update |
|         |            |            | 03-02-22   | 03-02-22    |

## 3SVI1606ND4F6S0

### Performance Curve

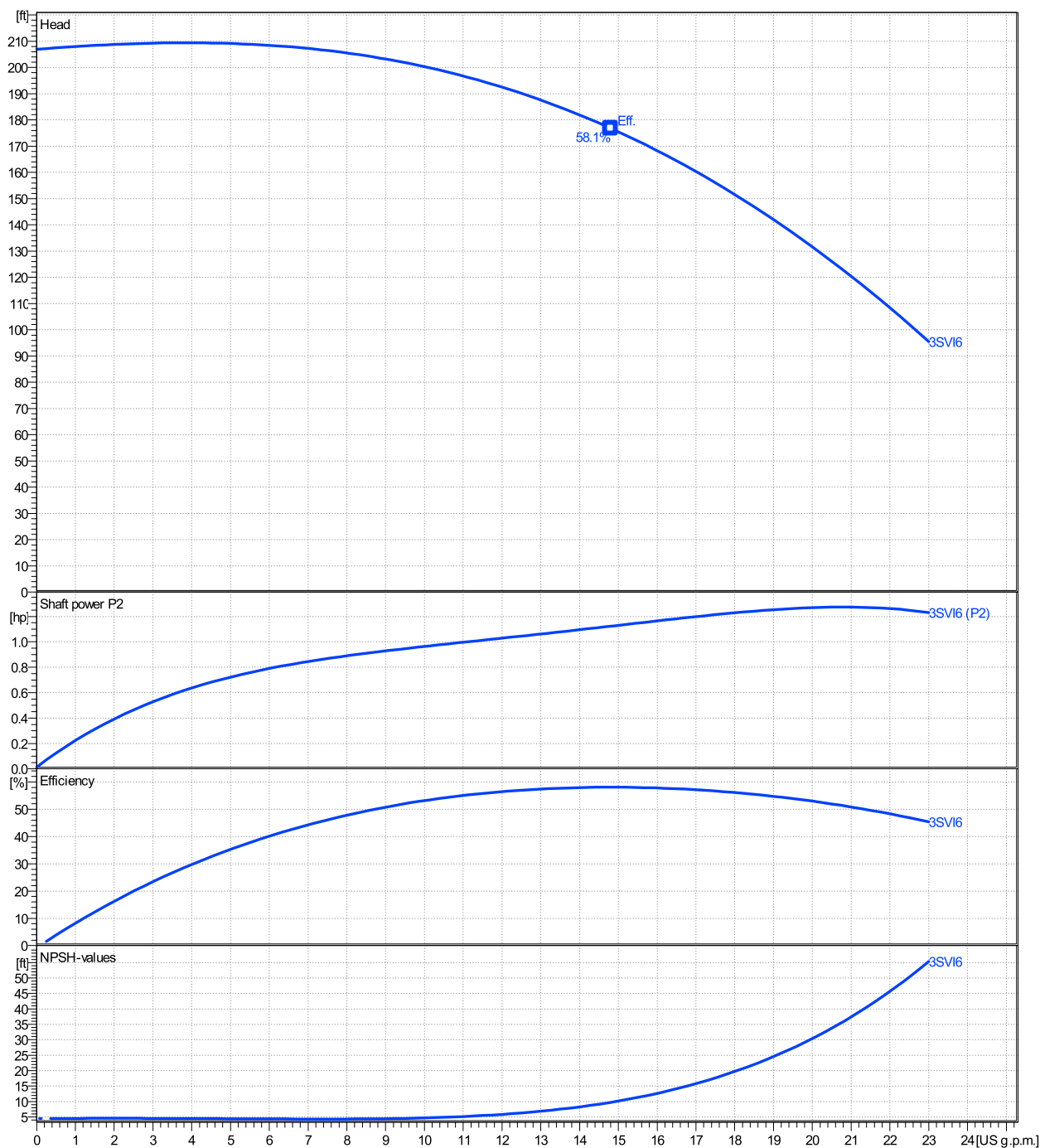
Company Name  
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|      | Ø<br>inch | Delivered Flow<br>Application Range |                   |                     | Lift Capability |                 | Shaft Power P2 |            |                 | Frequency              |                           | Hz   |
|------|-----------|-------------------------------------|-------------------|---------------------|-----------------|-----------------|----------------|------------|-----------------|------------------------|---------------------------|------|
|      |           | Min.<br>US g.p.m.                   | Max.<br>US g.p.m. | Max. η<br>US g.p.m. | H(Q=0)<br>ft    | η<br>Max.<br>ft | P2(Q=0)<br>hp  | Max.<br>hp | η<br>Max.<br>hp | Operating speed<br>rpm | Nominal flow<br>US g.p.m. |      |
| Is   | 0.000     | 0                                   | 23                | 14.8                | 207             | 177             | 0.0133         | 1.27       | 1.12            |                        |                           | 60   |
| Min. | 0.000     | /                                   | /                 | 14.8                | 207             | 177             | 0.0133         | /          | 1.12            |                        |                           | 3500 |
| Max. | 0.000     | /                                   | /                 | 14.8                | 207             | 177             | 0.0133         | /          | 1.12            |                        |                           | 0    |
|      |           |                                     |                   |                     |                 |                 |                |            |                 | Nominal head           | ft                        | 0    |
|      |           |                                     |                   |                     |                 |                 |                |            |                 | Inlet pressure         | psi                       | 0    |
|      |           |                                     |                   |                     |                 |                 |                |            |                 | Static head            | ft                        | 0    |

Power data referred to:

Hydr. performance acceptance acc. to EN ISO 9906 Class

Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s



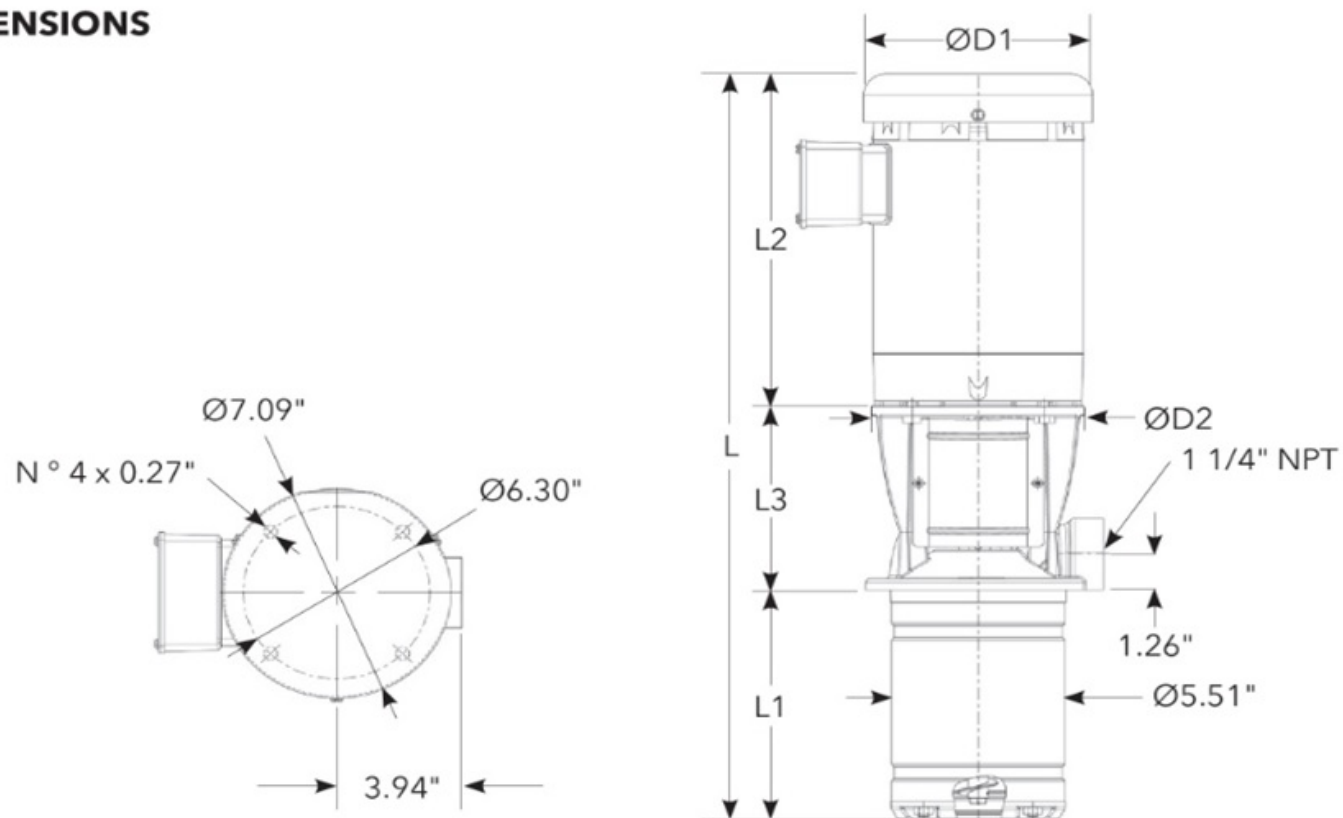
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## Dimensions

Company Name  
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### 3 e-SVI DIMENSIONS



#### Dimensions [ inch ]

|    |                   |
|----|-------------------|
| D1 | $6\frac{3}{16}$   |
| D2 | $6\frac{11}{16}$  |
| L  | $32\frac{1}{16}$  |
| L1 | $15\frac{11}{16}$ |
| L2 | $9\frac{15}{16}$  |
| L3 | $6\frac{7}{16}$   |

#### Weight (+/- 5%)

|              |        |
|--------------|--------|
| Pump         | 23 lb  |
| Motor        | 44 lb  |
| Blank stages | 4.3999 |
| Total weight | 71 lb  |

#### Weight table for blank stages

|          |                   |
|----------|-------------------|
| 1-3SVI   | 0.44 lb per stage |
| 5SVI     | 0.53 lb per stage |
| 10SVI    | 1.26 lb per stage |
| 15-22SVI | 1.74 lb per stage |

#### Dimensions and weight without obligation

|         |            |            |                        |                         |
|---------|------------|------------|------------------------|-------------------------|
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|---------|------------|------------|------------------------|-------------------------|