

1SV18F0226T/D

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

| | | | |
|---------------------------|------------------|---------------------------|-----------------------------|
| Pump type | Single head pump | Fluid | Water |
| Available system NPSH | ft 0 | Operating temperature t A | °F 39.2 |
| Nominal flow | US g.p.m. 0 | pH-value at t A | 7 |
| Nominal head | ft 0 | Density at t A | lb/ft ³ 62.4 |
| Static head | ft 0 | Kin. viscosity at t A | ft ² /s 1.689E-5 |
| Inlet pressure | psi 0 | Vapor pressure at t A | psi 14.5 |
| Environmental temperature | °F 68 | Solids | 0 |
| | | Altitude | ft 0 |

Pump data

| | | | |
|-----------------------|---------------------|------------------|---------------------|
| Make | Lowara | Nominal | US g.p.m. () |
| Speed | rpm 3500 | Flow | Max- US g.p.m. 12.3 |
| Number of stages | 18 | | Min- US g.p.m. |
| Max. casing pressure | psi | Nominal | ft |
| Max. working pressure | psi 225.3 | Head | at Qmax ft 304.2 |
| Head H(Q=0) | ft 520 | | at Qmin ft 519.6 |
| Weight | lb 73 | Shaft power | hp () |
| | Max. inch 2 7/8 | Max. shaft power | hp 2.1 |
| Impeller R | designed inch 2 7/8 | Efficiency | % |
| | Min. inch 2 7/8 | NPSH 3% | ft |

Pump Materials

| | |
|--------------------------|----------------------------|
| Pump body | Stainless steel / AISI 304 |
| Impeller | Stainless steel / AISI 304 |
| Diffuser | Stainless steel / AISI 304 |
| Outer sleeve | Stainless steel / AISI 304 |
| Shaft | Stainless steel / AISI 304 |
| Adapter | Cast iron |
| Base | Aluminium |
| Coupling | Aluminium |
| SEAL HOUSING | Stainless steel / AISI 304 |
| Coupling protection | Stainless steel / AISI 304 |
| Shaft sleeve and bushing | Tungsten carbide |
| Fill / drain plugs | Stainless steel / AISI 304 |
| Tie rods | Galvanized steel |
| Wear ring | Technopolymer PPS |

Shaft Seal

| | |
|-------------------------------|--------------------------|
| e-SV Mechanical seal | Roten |
| e-SV - Uniten (-30 / +120 °C) | |
| 1 - Rotating part | Silicon Carbide |
| 2 - Stationary part | Resin impregnated carbon |
| 3 - Elastomers | EPDM |
| 4 - Springs | AISI 316 |
| 5 - Other components | AISI 316 |

Motor data

| | | | | | | | |
|------------------|----------------------|----------------------|-------|------------|----------|------------------|----------|
| Manufacturer | Lowara | Electric voltage | 220 V | Speed | 3490 rpm | Insulation class | F |
| Specific design | IE3 3ph Flange Motor | | | Frame size | 90 L | Colour | RAL 5010 |
| Type | PLM 90 B14 2,2 kW | | | | | | |
| Rated power | 2.9502 hp | Degree of protection | IP55 | | | | |
| Electric current | 7.97 A | | | | | | |

Remarks:

1SV18F0226T/D

Performance curve

Company name
Contact
Phone number
e-mail address

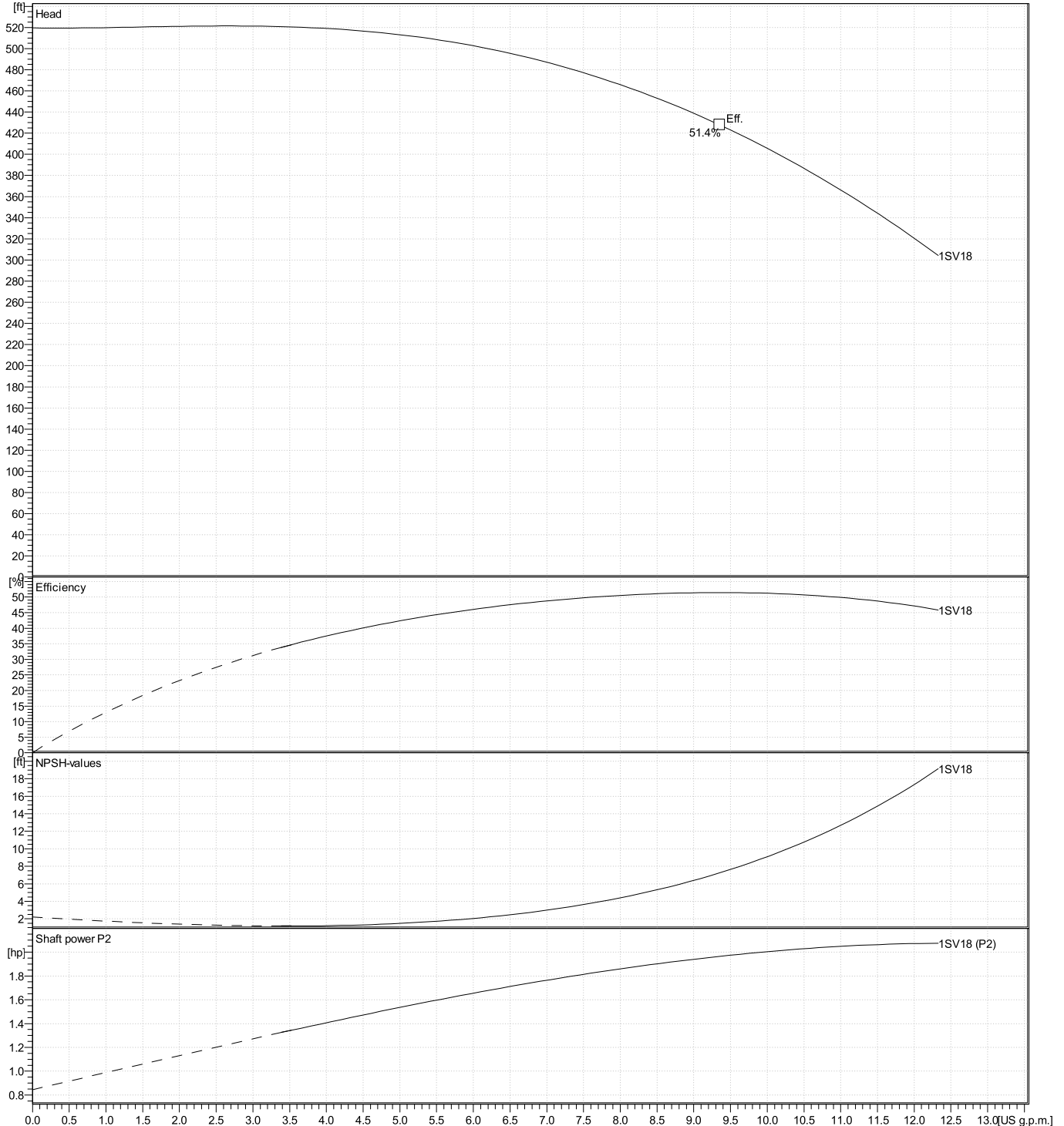
Hydraulic data

| Operating Data Specification | | Hydraulic data (duty point) | | Impeller design | |
|------------------------------|-------------|-----------------------------|-----|-----------------|------------|
| Flow | 0 US g.p.m. | Flow | | Impeller R | 2 7/8 inch |
| Head | 0 ft | Head | | Frequency | 60 Hz |
| Static head | 0 ft | MEI | --- | Speed | 3500 rpm |

Power datas referred to:

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

Performance according to ISO 9906:2012 – Grade 3B

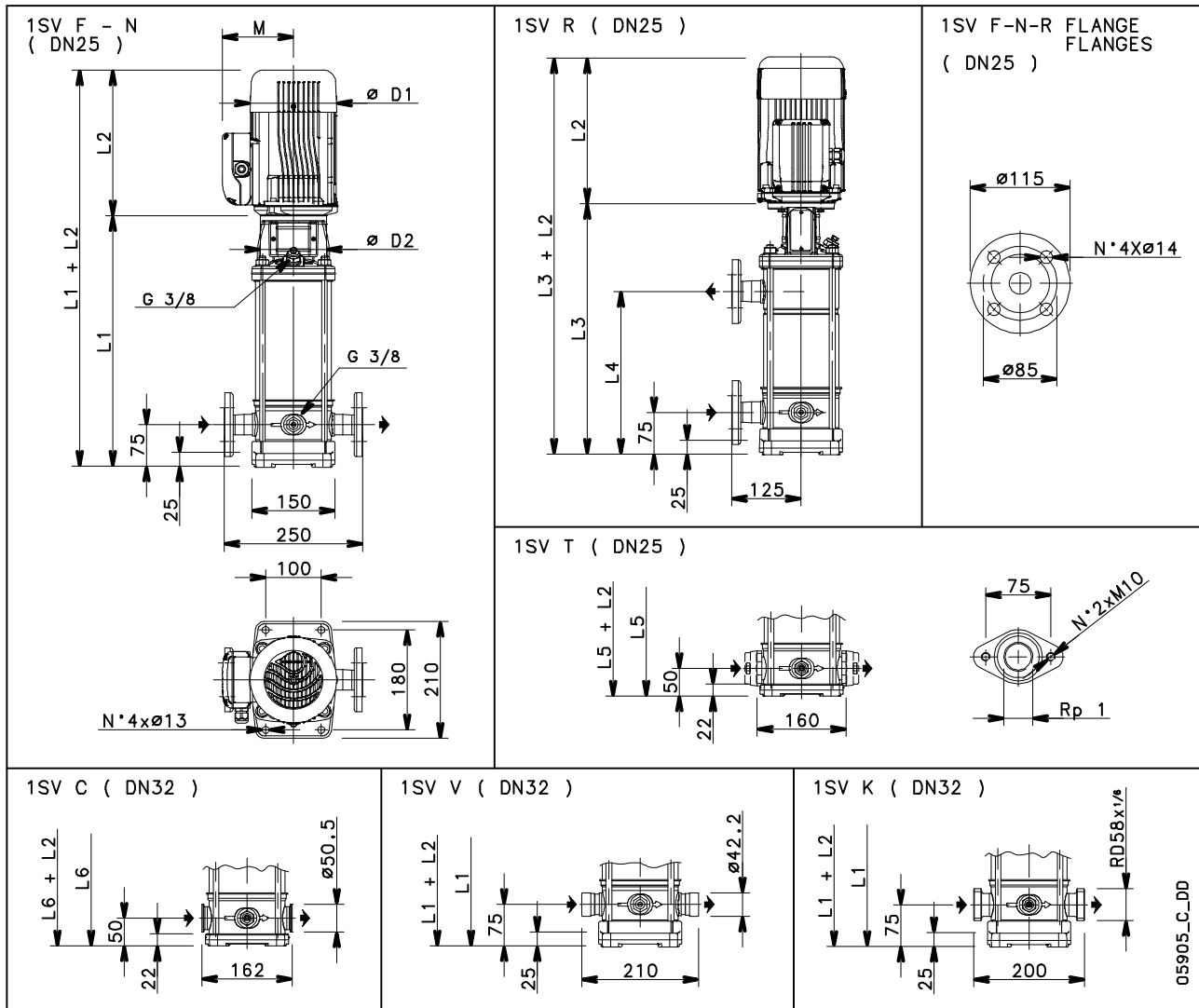


1SV18F0226T/D

Dimensions

Company name
Contact
Phone number
e-mail address

Drawing



Dimensions inch

Electrical and dimensional data refer to IE3 motor

| | | | | | | |
|----|----------|---|-------|--|--|--------|
| D1 | 5 1/2 | M | 5 1/4 | | | Weight |
| D2 | 5 1/2 | | | | | 70 lb |
| L1 | 23 9/16 | | | | | |
| L2 | 11 3/4 | | | | | |
| L3 | 23 9/16 | | | | | |
| L4 | 16 13/16 | | | | | |
| L5 | 22 9/16 | | | | | |