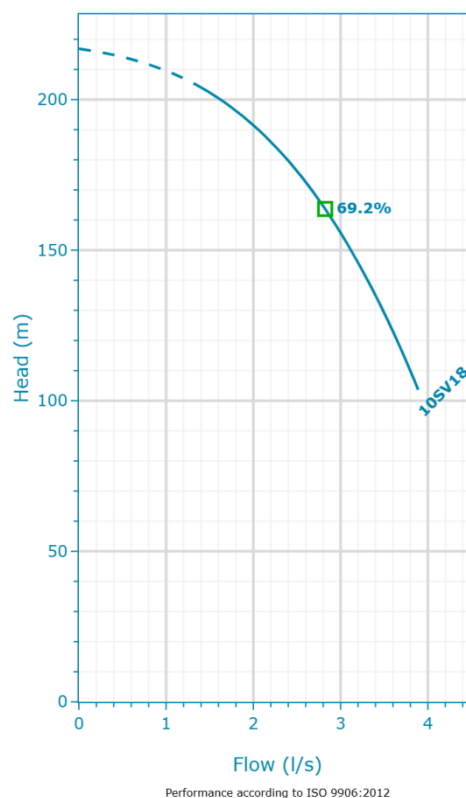


10SV18F075T/E | Configuration Summary



The Lowara e-SV vertical multistage pump is a highly reliable and technologically advanced multipurpose pump. It's capable of satisfying the needs of a wide variety of users and many different construction designs are available. The e-SV range feature models in eleven sizes with 1-3-5-10-15-22-33-46-66-92-125 m³/h nominal capacities.



PUMP

Installation	Pump Size
Complete Pump	10SV

MATERIALS

Pump Body Material	Impeller Material
Stainless Steel (AISI 304)	Stainless Steel (AISI 304)

SEAL

Type of Seal	Rotating Face
Mechanical Seals	Silicon Carbide
Name	Stationary Face
Q1BEGG	Resin Impregnated Carbon
	Elastomers
	EPDM
	Springs
	AISI 316
	Metal Components
	AISI 316
	Min Temperature
	-30.0 °C
	Max Temperature
	120.0 °C

STANDARD OPTIONS

PTC Sensor	Special Configuration
No	Please Select

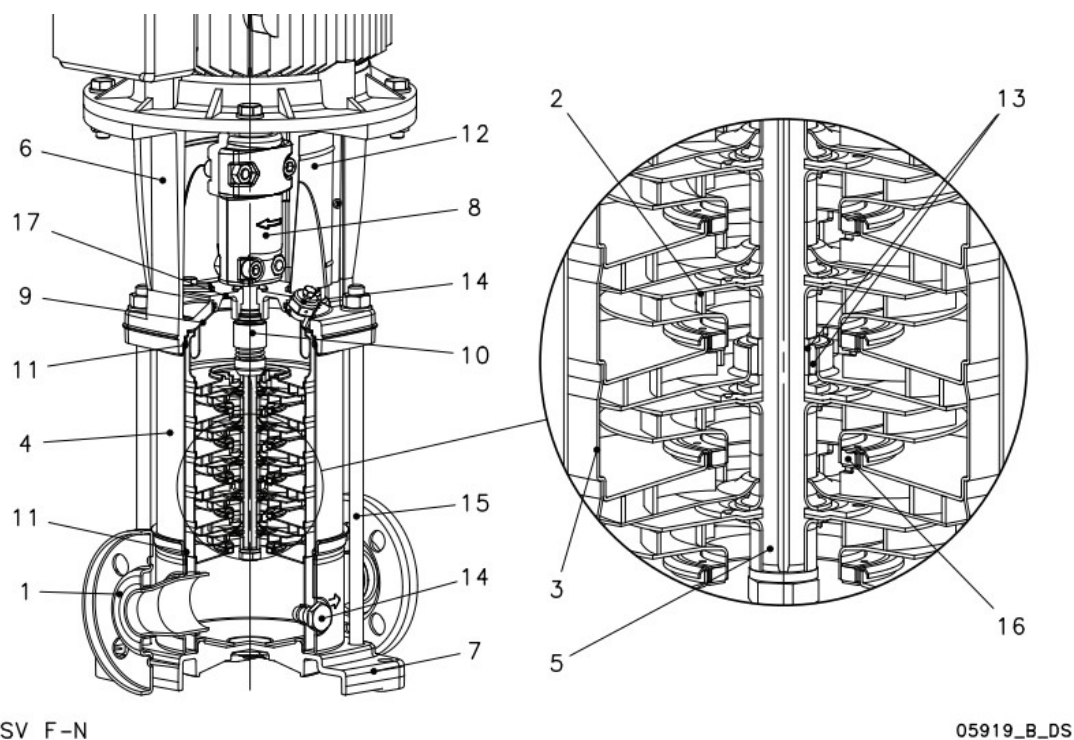
MOTOR

Vendor	Power
Lowara by Omega	7.5 kW
Frequency (Hz)	Phase (~)
50	3
Poles	Voltage
2	380-415/660-690 V
Efficiency	Frame Size
IE3	132 S

FLANGE

Flange
[F] = Round Flanges (AISI 304)

10SV18F075T/E | Product Details



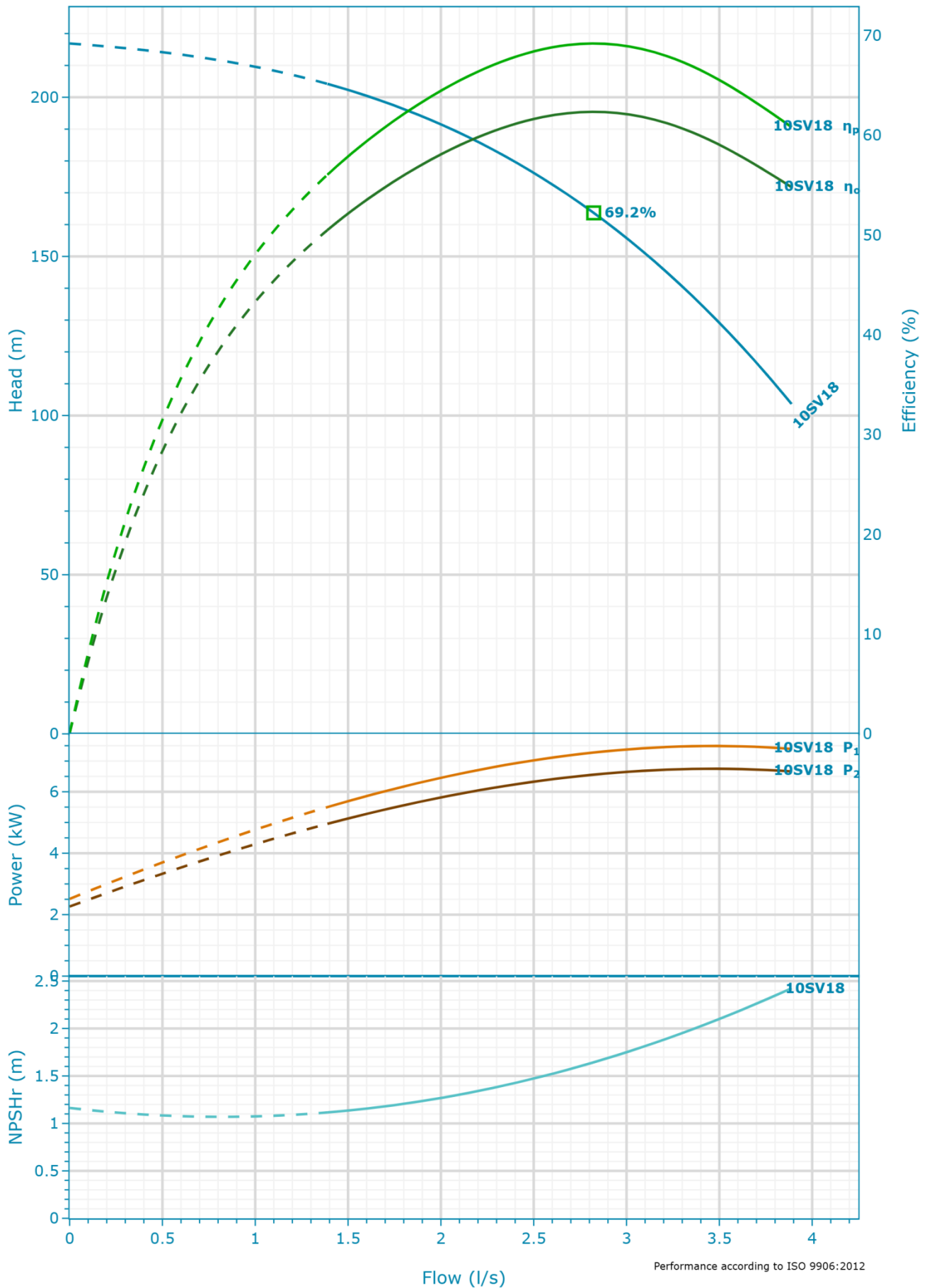
Construction Materials

Pump body (1) Stainless steel / AISI 304	Shaft (5) Stainless steel / AISI 304	Seal plate (9) Stainless steel / AISI 304	Shaft sleeve and bushing (13) Tungsten carbide
Impeller (2) Stainless steel / AISI 304	Adapter (6) Cast Iron / ASTM Class 35	Mechanical seal (10) See Seal section	Fill / Drain plugs (14) Stainless steel / AISI 304
Diffuser (3) Stainless steel / AISI 304	Base (7) Aluminium	Elastomers (11) See Seal section	Tie rods (15) Galvanized steel
Outer sleeve (4) Stainless steel / AISI 304	Coupling (8) Aluminium	Coupling protection (12) Stainless steel / AISI 304	Wear ring (16) Technopolymer PPS
Seal gland (17) Stainless steel / AISI 304			

Motor

Motor Name 3MAS 132 S B5 7.5 kW	Phase 3	IE Class IE3	Frame Size 132 S
Design IM B5	Rated power 7.5 kW	Enclosure IP 55	ICL F
Standard IEC	Service Factor 1.1	Efficiency (%) 90.1	Start Mode Star-delta
Shaft Diameter 38 mm	Voltage 380-415/660-690 V	cos phi 0.86	
L Shaft 80 mm	Speed 2915.0 rpm	Rated Current 14-8.14 A	

10SV18F075T/E | Hydraulic Data & Performance Curve



Selection

Series	Operating Pumps
e-SV	1
Name	Standby Pumps
10SV18 2900rpm	No Standby Pump
Stages	
18	
Frequency	
50 Hz	
Impeller Diameters	
18x 96 mm	
Acceptance Grade	
Manufacturer's Standard	
System Type	
Single Pump	

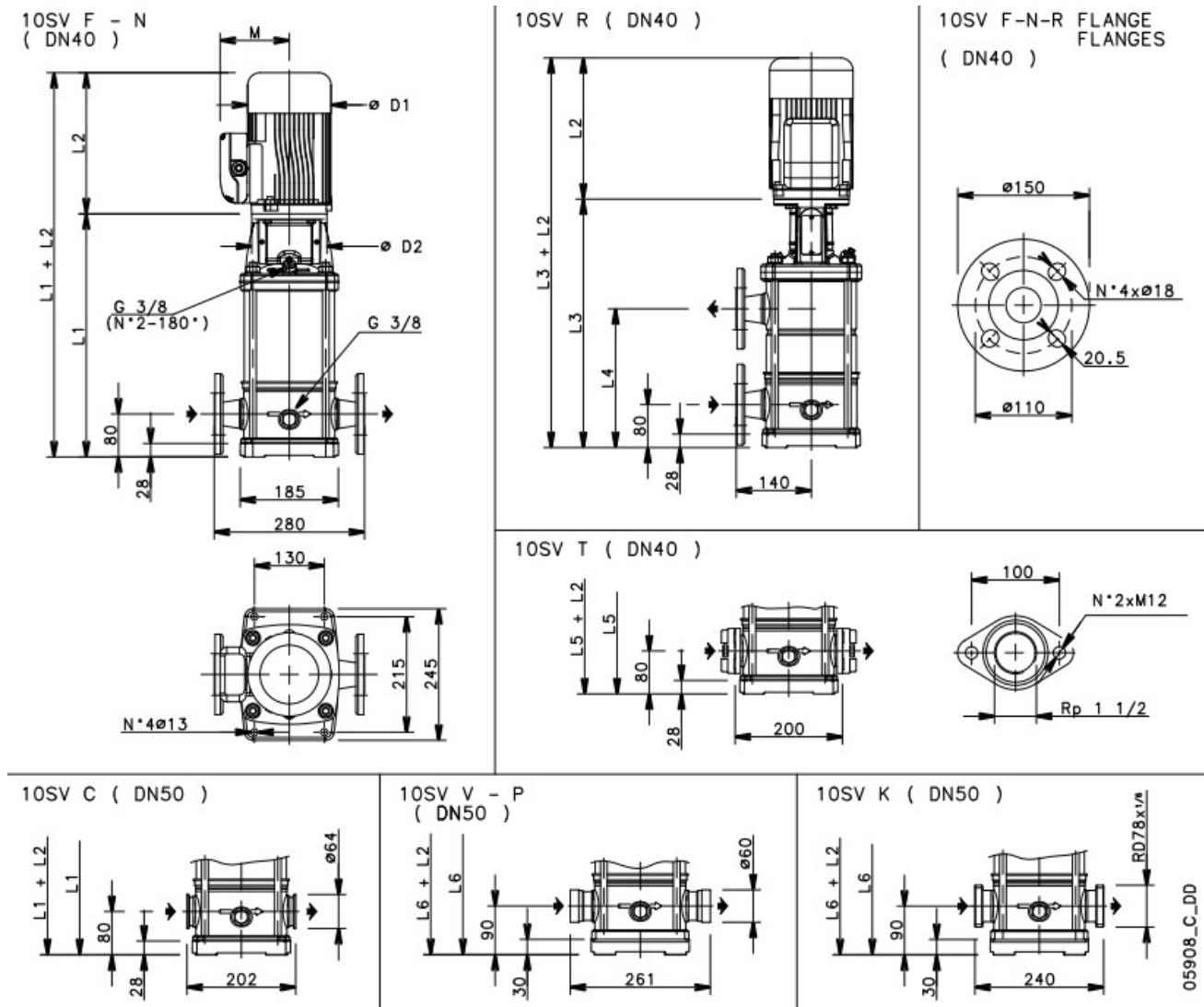
Fluid and Operating Conditions

Fluid Type	Density
Water	1,000 kg/m ³
Fluid Temperature	Dynamic Viscosity
4 °C	0.002 Pa·s
Specific Gravity	Fluid Vapor Pressure
1	8.14 mbar
	Atmospheric Pressure
	1,013.53 mbar
	Elevation
	0 m
	Ambient Temperature
	20 °C
	NPSH Available
	10.27 m
	Submergence
	0 m

Design Curve

Rated Speed	BEP
2,900 RPM	69.21 %
Min Flow	BEP Flow
1.39 l/s	2.82 l/s
Max Flow	BEP Head
3.89 l/s	163.68 m
H@QMin	Max Operating Pressure
204.2 m	21,239.02 mbar
H@QMax	Max P2
103.65 m	6.75 kW

10SV18F075T/E | Dimensional Data & Drawing



Drawing is preliminary and is subject to change.

Dimensions

D1	M
264 mm	186 mm
D2	PN
300 mm	25
L1	Weight (Pump Only)
956 mm	37.8 kg
L2	Total Weight
345 mm	89.5 kg