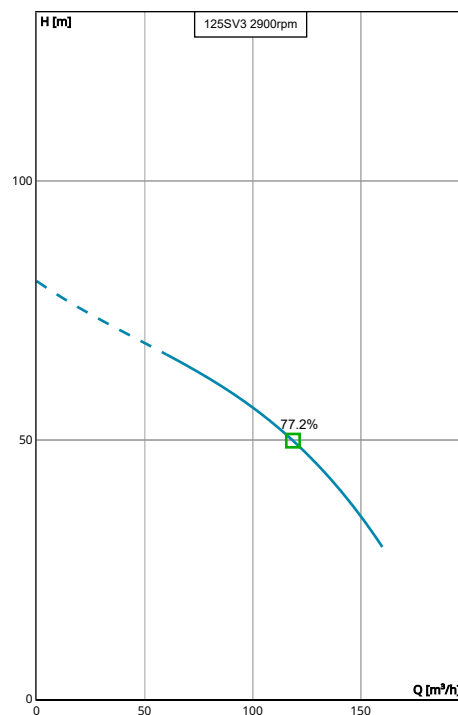


125SV3N220T/D | Configuration Summary



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.



Performance according to ISO 9906:2012

PUMP

Installation	Pump Size
Complete Pump	125SV

MATERIALS

Pump Body Material	Impeller Material
Stainless Steel (AISI 316)	Stainless Steel (AISI 316)

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 PLM	22 kW
Frequency (Hz)	Phase (~)
50	3
Poles	Voltage
2	380-415/660-690 V
Efficiency	Frame Size
IE3	180 M

FLANGE

Flange
[N] = Round Flanges (AISI 316)

125SV3N220T/D | Product Details



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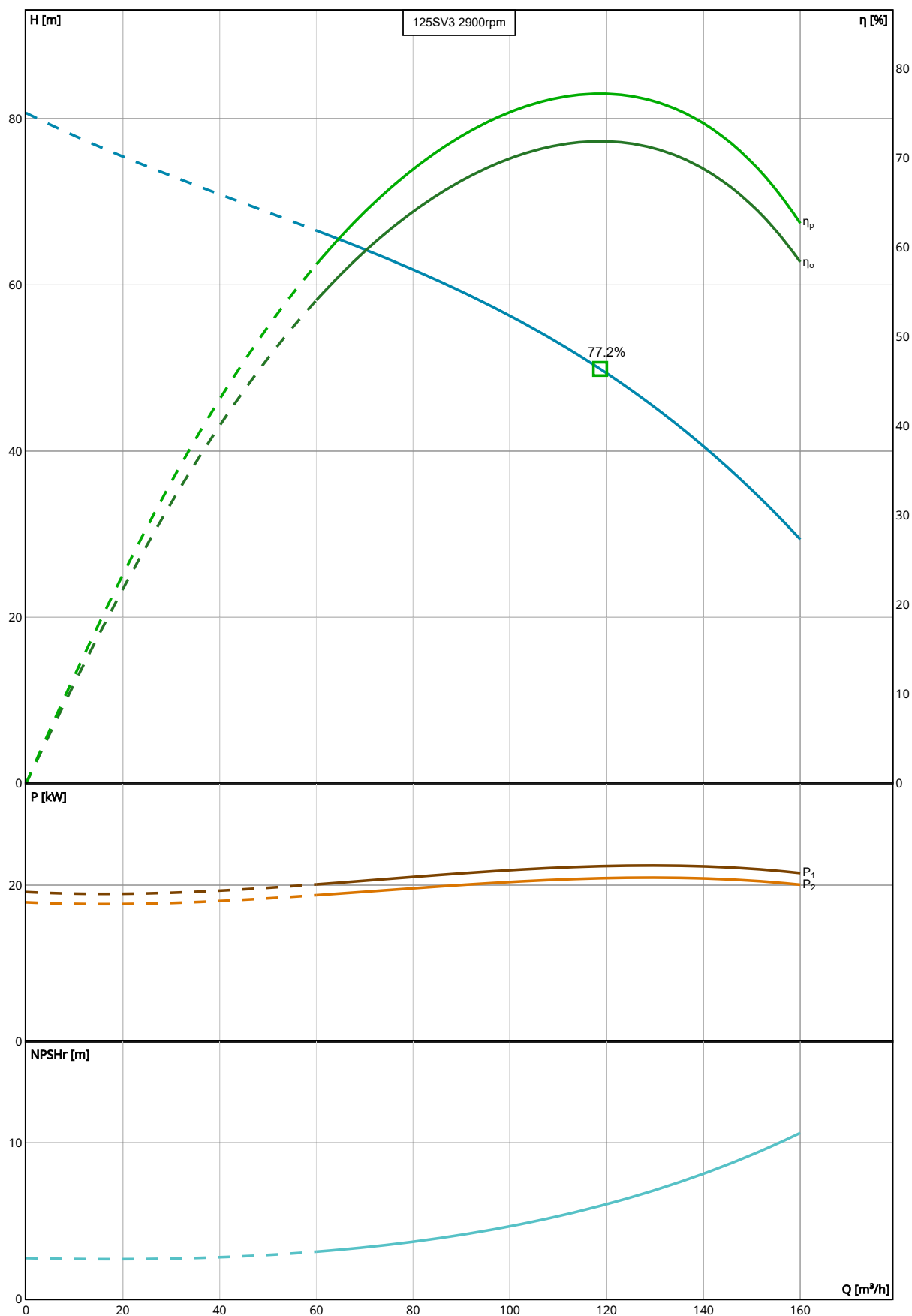
Construction Materials

Pump body (1) Stainless Steel / ASTM CF8M	Shaft (5) Duplex stainless steel	Upper head, Seal housing (9-9A) Stainless Steel / ASTM CF8M	Shaft sleeve and bushing (13) Tungsten carbide
Lower support (1A) Stainless Steel / ASTM CF8M	Adapter (6) Cast Iron / ASTM Class 25	Mechanical seal (10) See Seal section	Bushing for diffuser (14) Carbon
Impeller, Diffuser (2-3) Stainless Steel / ASTM CF8M	Wear ring (7) Technopolymer PPS	Elastomers (11) See Seal section	Fill / Drain / Air plugs (15) Stainless steel / AISI 316
Outer sleeve (4) Stainless steel / AISI 316L	Coupling (8) Cast Iron / ASTM Class 25	Coupling protection (12) Stainless steel / AISI 304	Tie rods (16) Stainless steel / AISI 431
Adapter ring (17) Stainless Steel / ASTM CF8M			

Motor

Motor Name PLM 180R B5 22 kW	Phase 3	IE Class IE3	Frame Size 180 M
Design IM B5	Rated power 22 kW	Enclosure IP 55	ICL F
Standard IEC	Service Factor 1	Efficiency (%) 93.1	Motor Vendor PLM
Shaft Diameter 48 mm	Voltage 380-415/660-690 V	cos phi 0.85	Weight 121.2 kg
L Shaft 110 mm	Speed 2950.0 rpm	Rated Current 42.2-23.3 A	

125SV3N220T/D | Hydraulic Data & Performance Curve



Performance according to ISO 9906:2012

Selection

Series	Operating Pumps
e-SV	1
Name	Standby Pumps
125SV3 2900rpm	No Standby Pump
Stages	
3	
Frequency	
50 Hz	
Impeller Diameters	
3x 145 mm	
Acceptance Grade	
Manufacturer's Standard	
System Type	
Single Pump	

Fluid and Operating Conditions

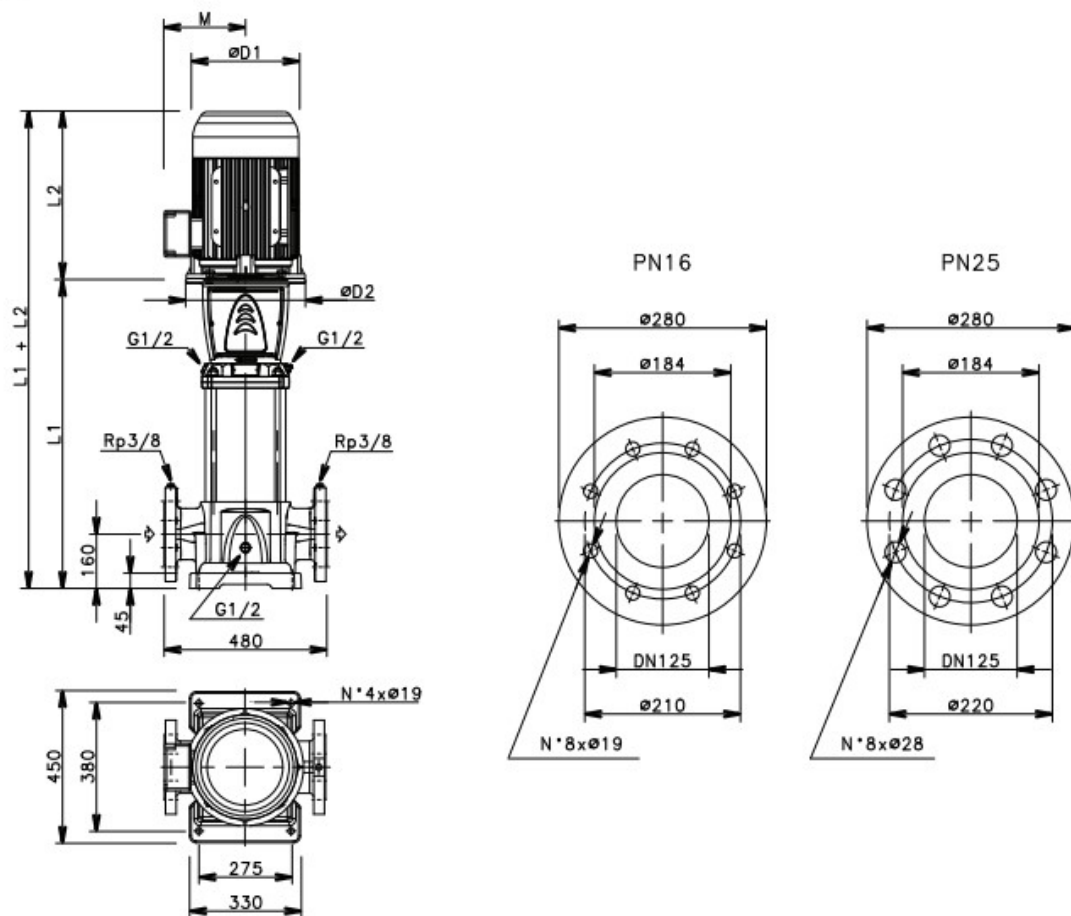
Fluid Type	Density
Water	1,000 kg/m ³
Fluid Temperature	Dynamic Viscosity
4 °C	0.002 Pa·s
Specific Gravity	Fluid Vapor Pressure
1	8.14 mbar
	Atmospheric Pressure
	1,013.53 mbar
	Elevation
	0 m
	Ambient Temperature
	20 °C
	NPSH Available
	10.27 m
	Submergence
	0 m

Design Curve

Rated Speed	BEP
2,900 RPM	77.19 %
Min Flow	BEP Flow
60 m ³ /h	118.63 m ³ /h
Max Flow	BEP Head
160 m ³ /h	49.89 m
H@QMin	Max Operating Pressure
66.53 m	7,900.48 mbar
H@QMax	Max P2
29.39 m	20.96 kW

125SV3N220T/D | Dimensional Data & Drawing

125SV G - N - P
(DN125)



Drawing is preliminary and is subject to change.

Dimensions

D1	M
313 mm	240 mm
D2	PN
350 mm	16
L1	Weight (Pump Only)
1028 mm	143 kg
L2	Total Weight
494 mm	265 kg

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