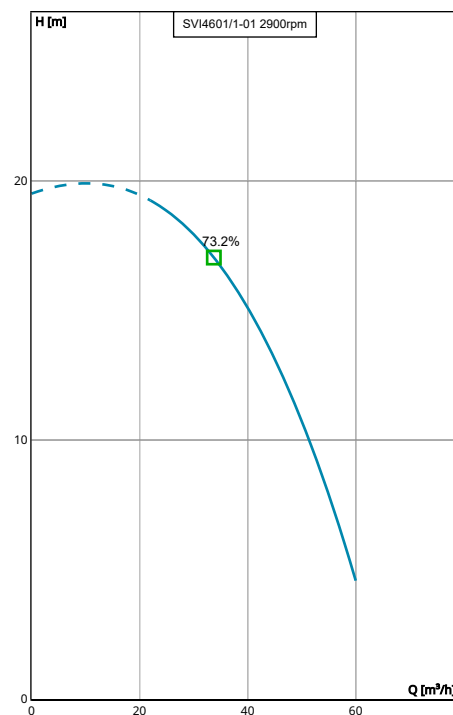


SVI4601/1-01S030T | Configuration Summary



The e-SVI is an efficient, reliable, high-performance pump, comprised of an energy saving, vertical multistage pump coupled to a IEC high efficient motor. Plus, an immersible hydraulic end provides an ideal solution for top mount applications.



Performance according to ISO 9906:2012

PUMP

Installation	Number Of Impellers
Coupled	1
Immersion Depth	Empty Stages Added
0.00 cm	0
Minimum Depth	Total Number Of Stages
0.00 cm	1
Maximum Depth	Pump Size
108.20 cm	SVI46

MATERIALS

Construction
Stainless Steel (AISI 304)

SEAL

Type of Seal	Rotating Face
Mechanical Seals	Silicon Carbide
Name	Stationary Face
Q1BVG	Resin Impregnated Carbon
	Elastomers
	FKM (FPM)
	Springs
	AISI 316
	Metal Components
	AISI 316
	Min Temperature
	-10.0 °C
	Max Temperature
	90.0 °C

STANDARD OPTIONS

PTC Sensor	UL Approved (cURus)
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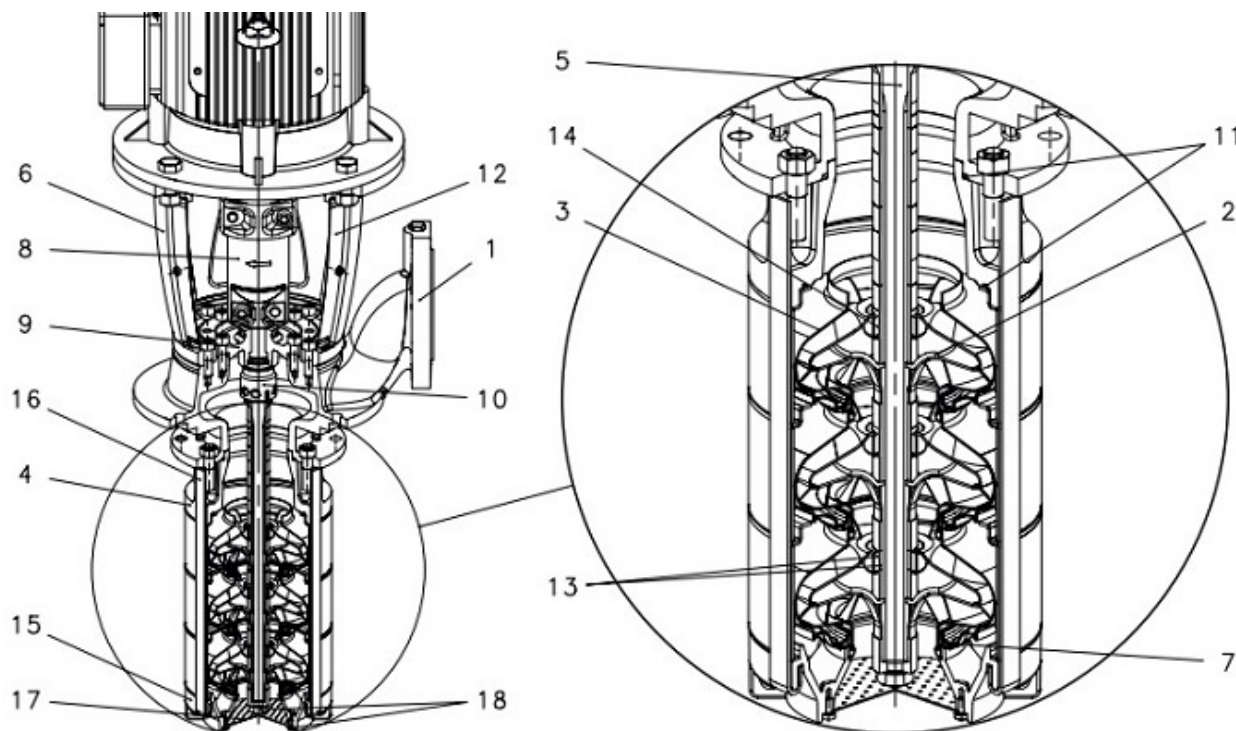
MOTOR

Vendor	Power
Lowara PLM	3 kW
Frequency (Hz)	Phase (~)
50	3
Poles	Voltage
2	220-240/380-415 V
Efficiency	
IE3	

No

No

SVI4601/1-01S030T | Product Details



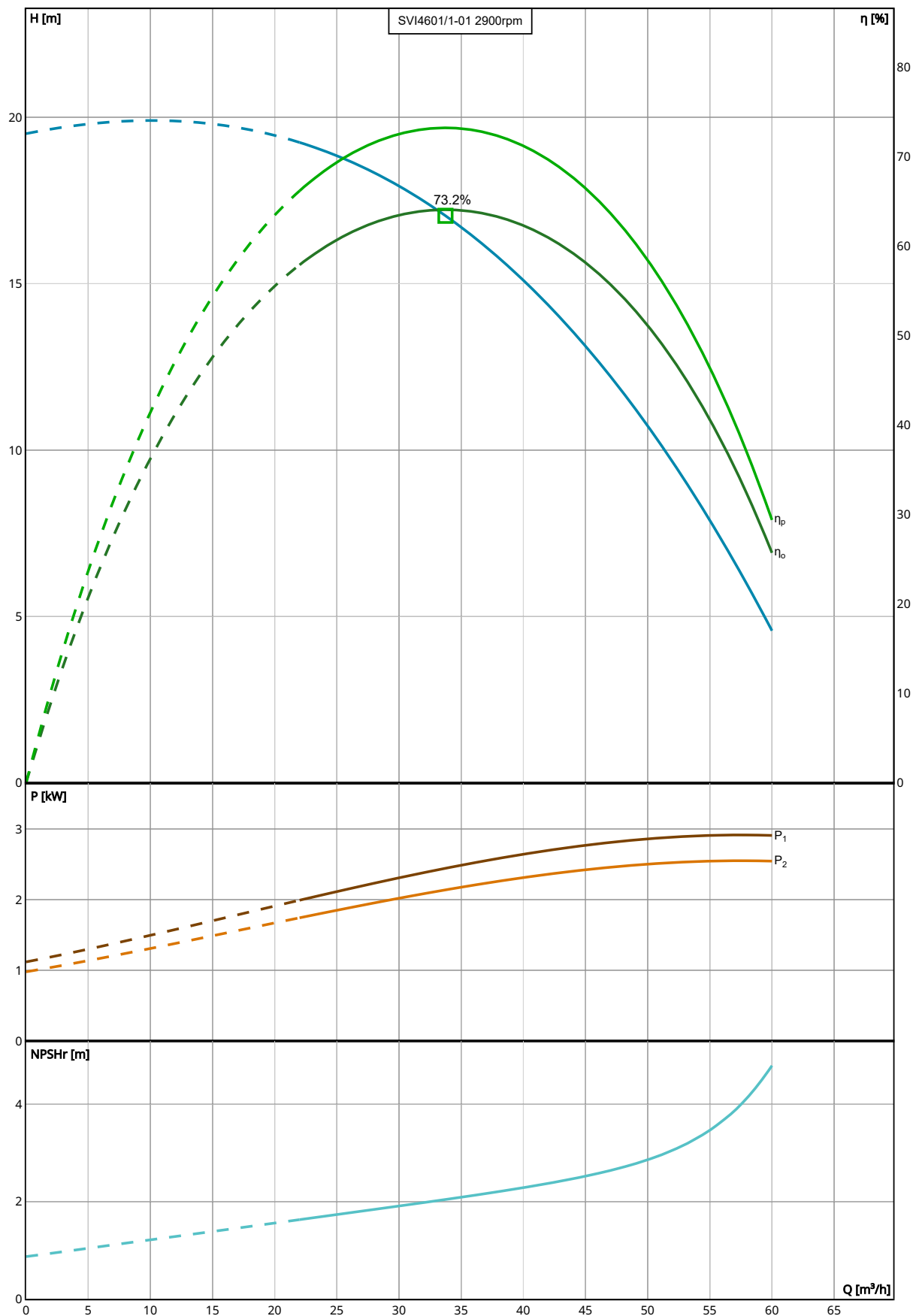
Construction Materials

Upper head (1) Cast iron / ASTM Class 35	Shaft (5) Stainless Steel / AISI 431	Seal housing (9) Cast iron / ASTM Class 35	Shaft sleeve and bushing (13) Tungsten carbide
Impeller (2) Stainless Steel / AISI 316L	Motor adapter (6) Cast iron / ASTM Class 25	Mechanical seal (10) See Seal Section	Bushing for diffuser (14) Carbon
Diffuser (3) Stainless Steel / AISI 304	Wear ring (7) Technopolymer PPS	Elastomers (11) See Seal Section	Suction base (15) Stainless Steel / ASTM CF8M (AISI 316 cast)
Adapter (4) Cast iron / ASTM Class 35	Coupling (8) Cast iron / ASTM Class 25	Coupling protection (12) Stainless Steel / AISI 304	Tie rods (16) Stainless Steel / AISI 304
Strainer (17) Stainless Steel / AISI 316			
Screws (18) Stainless Steel / AISI 316			

Motor

Motor Name PLM 100R B14 3 kW	Phase 3	IE Class IE3	Frame Size 100 L
Design IM B14	Rated power 3 kW	Enclosure IP 55	ICL F
Standard IEC	Service Factor 1	Efficiency (%) 87.5	Motor Vendor PLM
Shaft Diameter 28 mm	Voltage 220-240/380-415 V	cos phi 0.79	Weight 21 kg
L Shaft 60 mm	Speed 2865.0 rpm	Rated Current 11-6.33 A	

SVI4601/1-01S030T | Hydraulic Data & Performance Curve



Performance according to ISO 9906:2012

Selection

Series	Standby Pumps
e-SVI	No Standby Pump
Name	
SVI4601/1-01 2900rpm	
Stages	
1	
Frequency	
50 Hz	
Acceptance Grade	
Manufacturer's Standard	
System Type	
Single Pump	
Operating Pumps	
1	

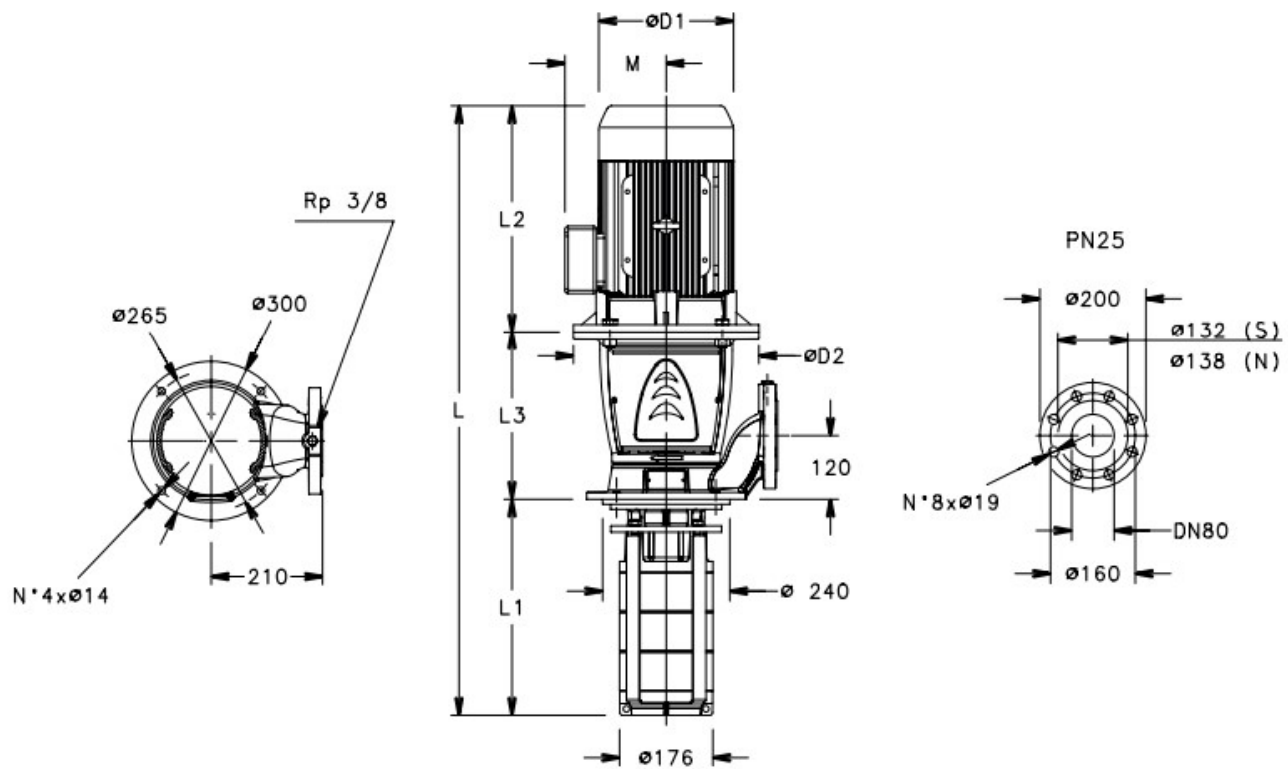
Fluid and Operating Conditions

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	73.21 %
Min Flow	BEP Flow
22 m ³ /h	33.73 m ³ /h
Max Flow	BEP Head
60 m ³ /h	17.04 m
H@QMin	Max Operating Pressure
19.24 m	1,948.85 mbar
H@QMax	Max P2
4.58 m	2.55 kW

SVI4601/1-01S030T | Dimensional Data & Drawing



Drawing is preliminary and is subject to change.

Dimensions

D1	L2	Total Weight
174 mm	298 mm	64 kg
D2	L3	
160 mm	262 mm	
L	M	
817 mm	134 mm	
L1	Weight (Pump Only)	
257 mm	43 kg	