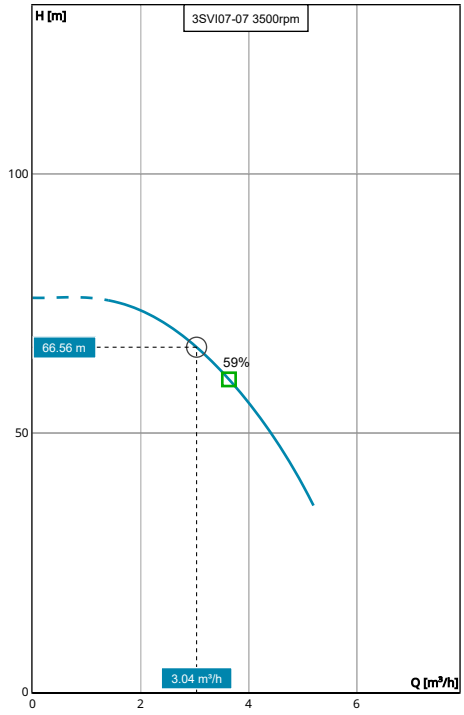
3SVI07-07CG011T6PQBV | Configuration Summary





Performance according to ISO 9906:2012

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.

PUMP

Installation Coupled	Number Of Impellers 7
Immersion Depth 19.91 cm	Empty Stages Added 0
Minimum Depth 19.91 cm	Total Number Of Stages 7
Maximum Depth 101.90 cm	Pump Size 3SVI

MOTOR

Vendor Lowara SM	Power 1.1 kW
Frequency (Hz) 60	Phase (~) 3
Poles 2	Voltage 220-230/380-400 V
Efficiency IE3	

MATERIALS

Construction
Stainless Steel (AISI 304)

SEAL

Type of Seal Cartridge Seals	Rotating Face Silicon Carbide
Name Q1BVGG	Stationary Face Resin Impregnated Carbon
	Elastomers FKM (FPM)
	Springs AISI 316
	Metal Components AISI 316
	Min Temperature -10.0 °C
	Max Temperature 90.0 °C

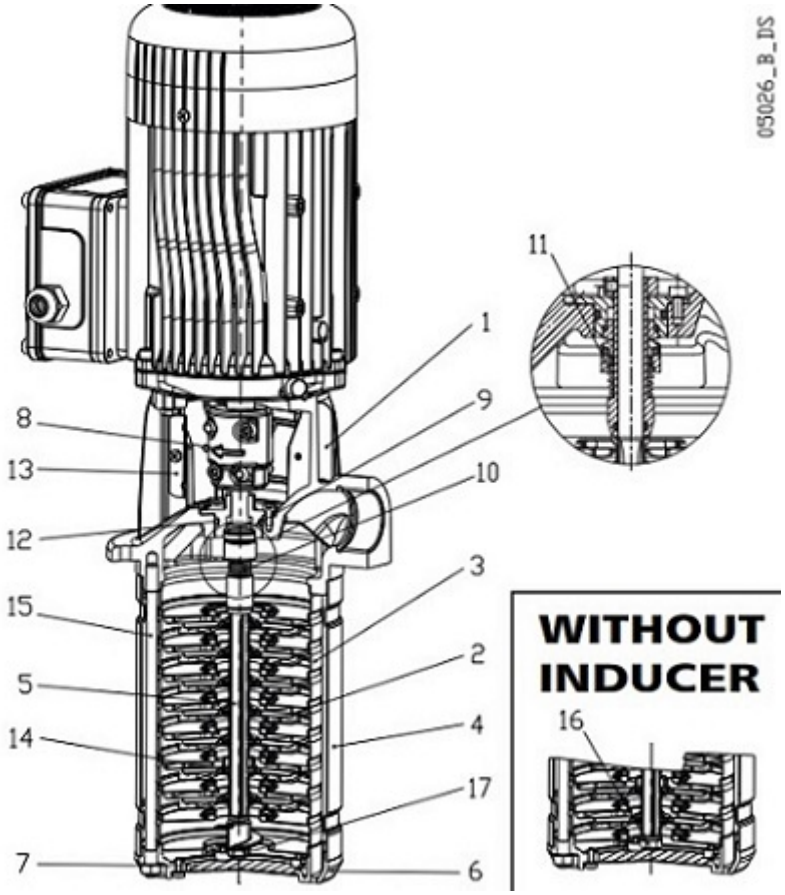
STANDARD OPTIONS

PTC Sensor	UL Approved (cURus)

Project:	Created By:	Created On:	Last Update:
3SVI07-07CG011T6PQBV	Vijay Sharma	10/30/26	-

No	No

3SVI07-07CG011T6PQBV | Product Details



Construction Materials

Adapter (1)
Cast iron / ASTM Class 35

Impeller (2)
Stainless Steel / AISI 304

Diffuser (3)
Stainless Steel / AISI 304

Outer sleeve (4)
Stainless Steel / AISI 316L

Inducer (17)
Stainless Steel / ASTM CF8M (AISI 316 cast)

Shaft (5)
Stainless Steel / AISI 304

Suction base (6)
Stainless Steel / ASTM CF8M (AISI 316 cast)

Strainer (7)
Stainless Steel / AISI 316

Coupling (8)
Aluminium

Removable seal housing (9)
Stainless Steel / ASTM CF8M (AISI 316 cast)

Mechanical seal (10)
See Seal Section

Cartrige Seal (11)
See Seal Section

Elastomers (12)
See Seal Section

Coupling protection (13)
Stainless Steel / AISI 304

Shaft sleeve and bushing (14)
Tungsten carbide

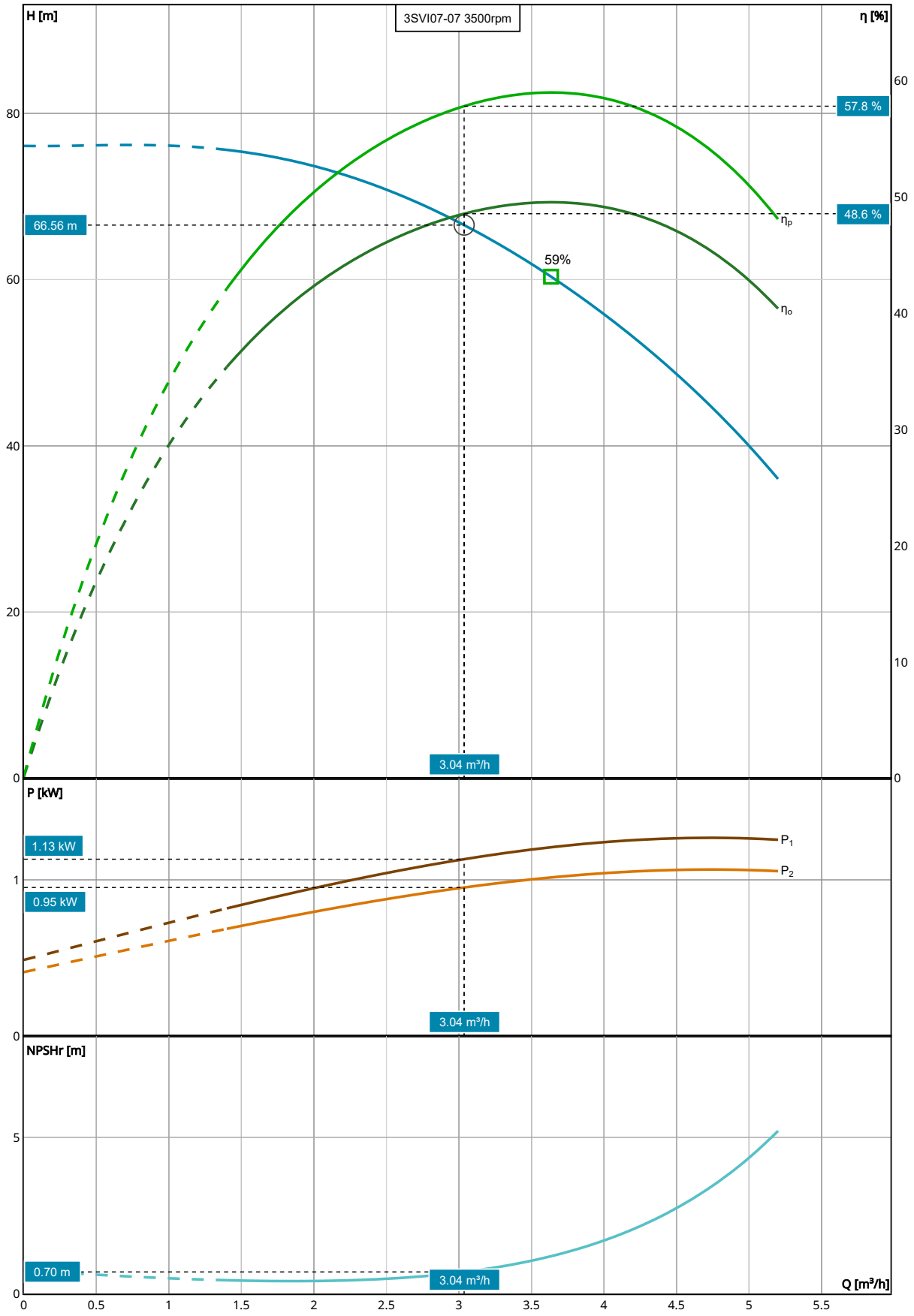
Tie rods (15)
Stainless Steel / AISI 316

Screws (16)
Stainless Steel / AISI 316

Motor

Motor Name SM 80 B14 1.1 kW	**Phase** 3	**IE Class** IE3	**Frame Size** 80
Design IM B14	**Rated power** 1.1 kW	**Enclosure** IP 55	**ICL** F
Standard IEC	**Service Factor** 1	**Efficiency (%)** 84	**Motor Vendor** SM
Shaft Diameter 19 mm	**Voltage** 220-230/380-400 V	**cos phi** 0.79	**Weight** 11.5 kg
L Shaft 40 mm	**Speed** 3490.0 rpm	**Rated Current** 4.19-2.42 A	

3SVI07-07CG011T6PQBV | Hydraulic Data & Performance Curve



Performance according to ISO 9906:2012

Project:	Created By:	Created On:	Last Update:
3SVI07-07CG011T6PQBV	Vijay Sharma	10/30/26	-

Selection

Series
e-SVI

Name
3SVI07-07 3500rpm

Stages
7

Frequency
60 Hz

Total Flow
3 m³/h

Total Head
65 m

Pump Flow
3 m³/h

Pump Head
65 m

Acceptance Grade
Manufacturer's Standard

System Type
Single Pump

Operating Pumps
1

Standby Pumps
No Standby Pump

Fluid and Operating Conditions

Fluid Type
Water

Fluid Temperature
4 °C

Specific Gravity
1

Density
1,000 kg/m³

Dynamic Viscosity
0.002 Pa·s

Fluid Vapor Pressure
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 Point

Flow
3.04 m³/h

Head
66.56 m

Overall Efficiency (ηo)
48.57 %

Pump Efficiency (ηp)
57.82 %

Input Power (P1)
1.13 kW

Shaft power (P2)
0.95 kW

NPSHR
0.7 m

Flow To BEP Ratio
83.51 %

Design Curve

Rated Speed
3,500 RPM

Min Flow
1.4 m³/h

Max Flow
5.2 m³/h

H@QMin
75.61 m

H@QMax
36.02 m

BEP
58.99 %

BEP Flow
3.64 m³/h

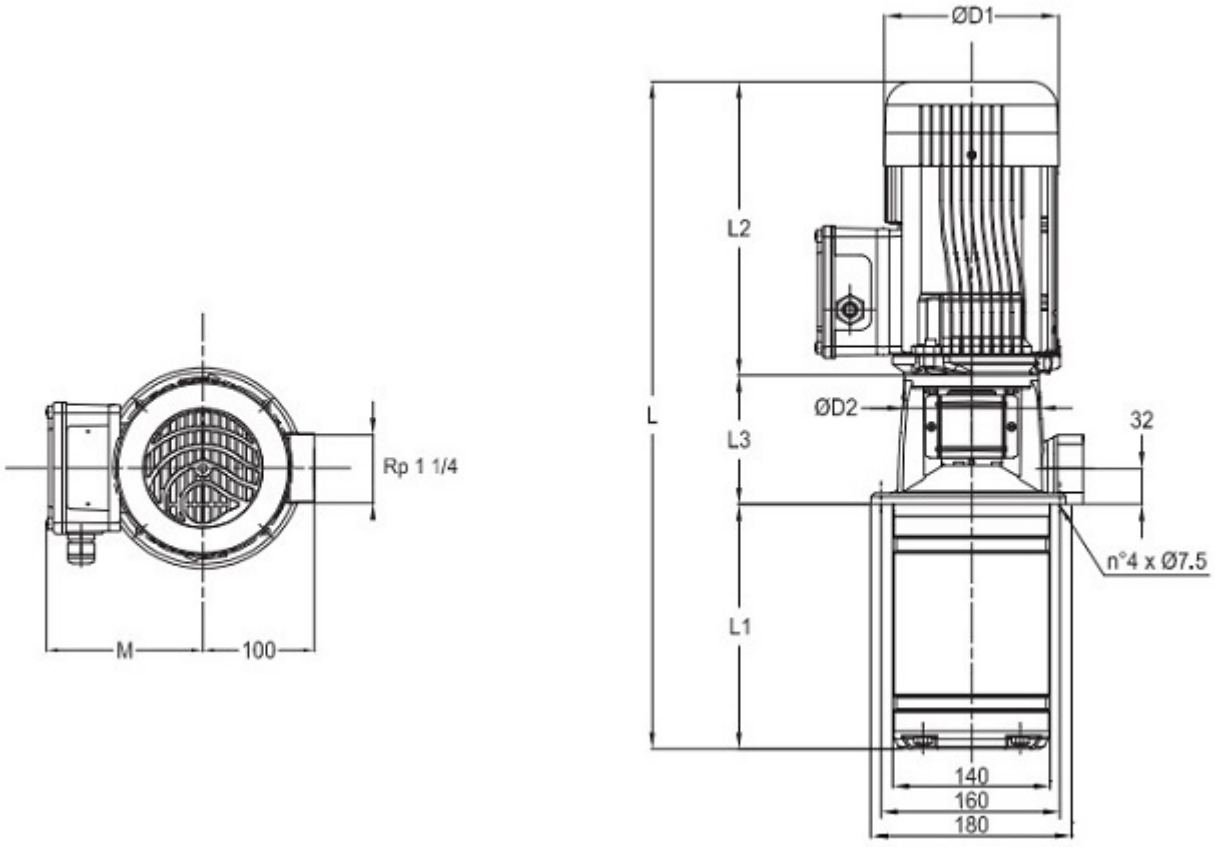
BEP Head
60.35 m

Max Operating Pressure
7,461.43 mbar

Shut Off Head
76.08 m

Max P2
1.07 kW

3SVI07-07CG011T6PQBV | Dimensional Data & Drawing



Drawing is preliminary and is subject to change.

Dimensions

D1 155 mm	L2 263 mm	Total Weight 18.75 kg
D2 120 mm	L3 115.5 mm	
L 597.5 mm	M 140 mm	
L1 219 mm	Weight (Pump Only) 8.75 kg	