

# Vertical Multistage Electric Pumps

## SV Series

SV 2, SV 4, SV 8, SV 16

SV 33, SV 46, SV 66, SV 92



- ❑ **FOUR NEW SIZES AVAILABLE: SV33, 46, 66, 92**
- ❑ **LIQUID END MADE ENTIRELY OF STAINLESS STEEL IN THE 2-4-8-16 m<sup>3</sup>/h STANDARD VERSION**
- ❑ **STANDARD MECHANICAL SEAL CAN BE REPLACED WITHOUT REMOVING THE MOTOR FROM THE PUMP (FOR SV33, 46, 66, 92)**
- ❑ **STANDARD MOTOR**
- ❑ **CAN BE USED WITH THE HYDROVAR CONTROL SYSTEM IN ORDER TO MANAGE THE OPERATION OF THE PUMP BASED ON THE SYSTEM CONDITIONS AND SAVE ENERGY**



## MARKET SECTORS

CIVIL, AGRICULTURAL, LIGHT INDUSTRY, WATER TREATMENT, HEATING AND AIR CONDITIONING

## MARKET SECTORS

- Handling of water, free of suspended solids, in the civil, industrial and agricultural sectors
- Pressure boosting and water supply systems
- Irrigation systems
- Wash systems
- Water treatment plants
- Handling of moderately aggressive liquids, demineralized water, water and glycol, etc.
  - Circulation of hot and cold water for heating, cooling and conditioning systems
  - Boiler feed

- Tested in compliance with ISO 9906 - Annex A.
- Direction of rotation: clockwise looking at the pump from the top down (marked with an arrow on the adapter and on the coupling).

## MOTOR

- Squirrel cage in short circuit, aluminium casing, enclosed construction with external ventilation
- Standard supply Lowara motors up to 7.5 kW (included) for the 4-pole version, and up to 22 kW (included) for the 2-pole version. Other motor brands for higher powers
- **The Lowara surface motors have efficiency values that fall within the range normally referred to as efficiency class 2**
- IP55 protection
- Class F insulation
- Performances according to EN 60034-1
- Standard voltage:
  - Single-phase version: 220-240 V, 50 Hz.
  - Three-phase version: 220-240/380-415 V, 50 Hz for power up to 3 kW, 380-415/660-690 V, 50 Hz for power above 3 kW

## MATERIALS

- **Materials in contact are suitable for use with potable water (WRAS certified)**

## SPECIFICATIONS

### PUMP

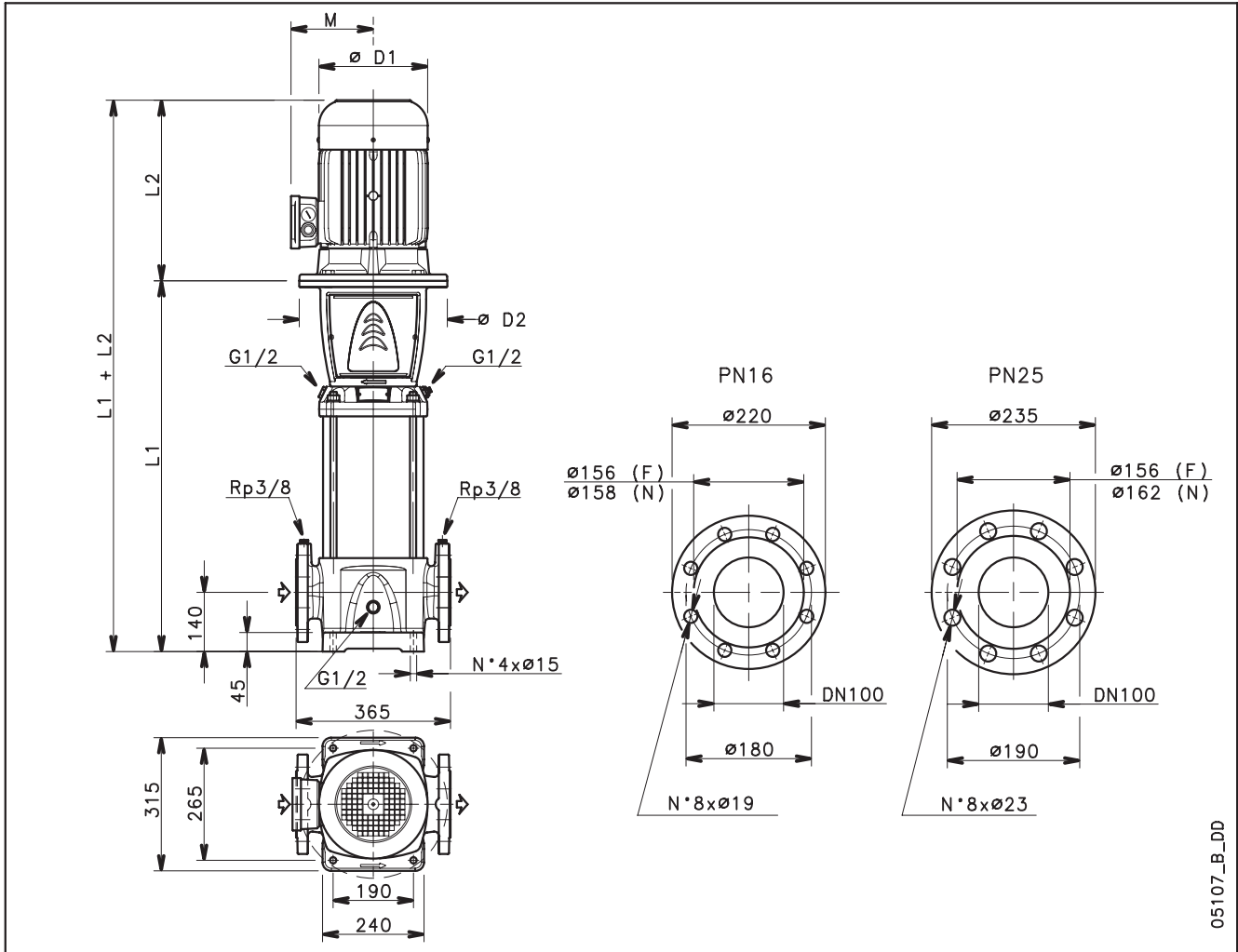
The SV pump is a non-self priming vertical multistage pump coupled to a standard motor.

The liquid end, located between the upper cover and the pump casing, is held in place by tie rods. The pump casing is available with different configurations and connection types.

- Delivery: up to **120 m<sup>3</sup>/h**.
- Head: up to **330 m**.
- Temperature of pumped liquid:
  - -30°C to 120°C for SV 2, 4, 8 and 16, standard version
  - -30°C to 120°C for SV 33, 46, 66 and 92, standard version
- Maximum operating **pressure**:
  - SV 2, 4, 8 with oval flanges: 16 bar (PN 16)
  - SV 2, 4, 8, 16 with round flanges or Victaulic®: 25 bar (PN 25)
  - SV2, 4, 8, 16 with Clamp connections: 16 or 25 bar (PN 16 or PN 25) depending on the number of stages
  - SV 33, 46: 16, 25, 40 bar (PN16, PN25 or PN40)
  - SV 66, 92: 16, 25 bar (PN16, PN25)

**DIMENSIONS AND WEIGHTS, SV66 SERIES (~2900 rpm)**

**F** version: AISI 316/Cast iron, in-line ports, round flanges.  
**N** version: AISI 316, in-line ports, round flanges.



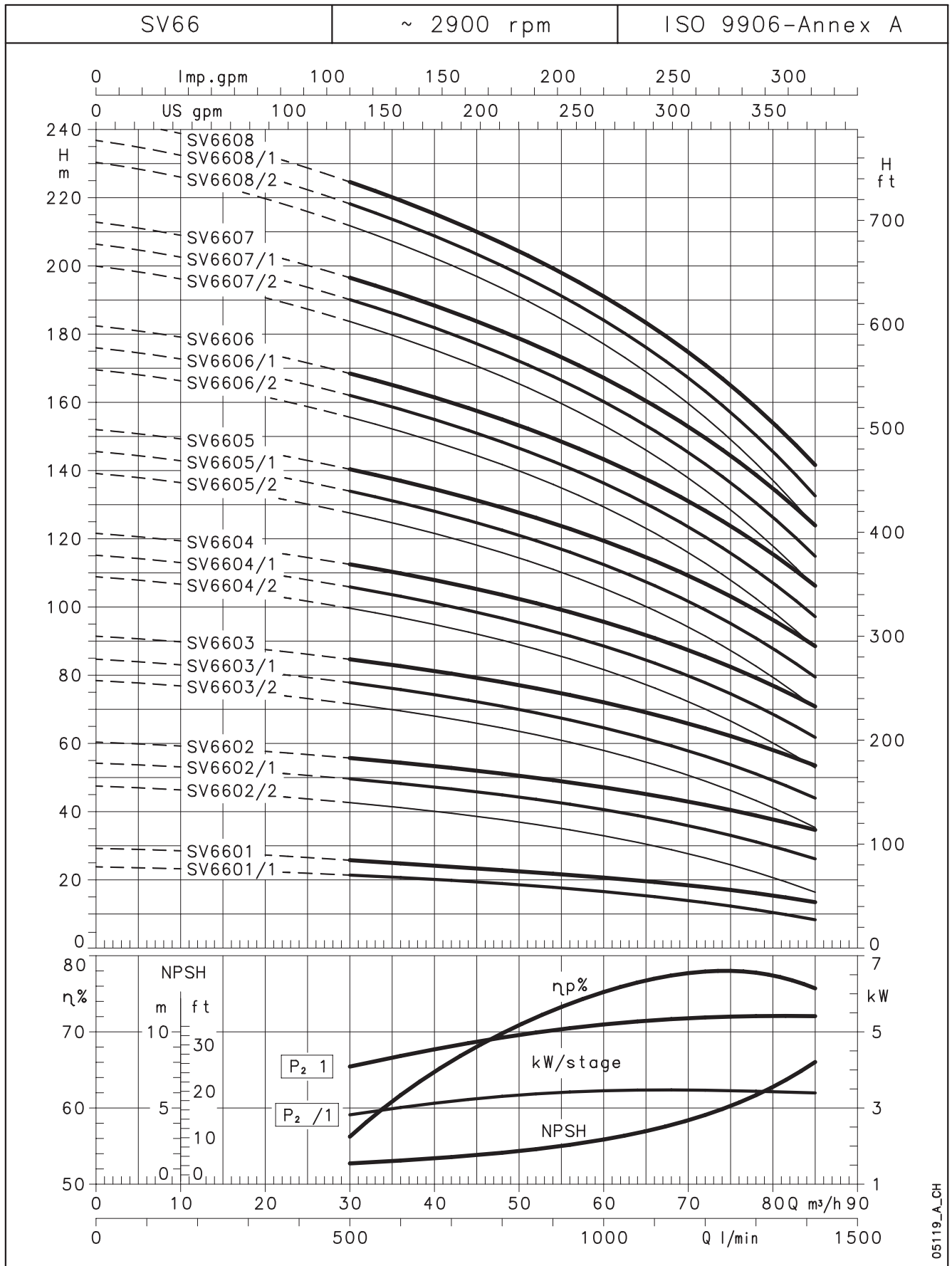
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PUMP TYPE	MOTOR		DIMENSIONS (mm)						WEIGHT kg		
	kW	SIZE	L1	L2	D1	D2	M	FLANGES PN	PUMP	ELECTRIC PUMP	
SV6601/1	4	112	554	307	193	164	133	16	66	89	
SV6601	5,5	132	574	374	220	300	151	16	72	107	
SV6602/2	7,5	132	664	374	220	300	151	16	77	118	
SV6602/1	11	160	699	427	257	350	194	16	81	148	
SV6602	11	160	699	427	257	350	194	16	81	148	
SV6603/2	15	160	789	488	310	350	244	16	86	184	
SV6603/1	15	160	789	488	310	350	244	16	86	184	
SV6603	18,5	160	789	532	310	350	244	16	86	202	
SV6604/2	18,5	160	879	532	310	350	244	16	92	207	
SV6604/1	22	180	879	532	310	350	244	16	93	213	
SV6604	22	180	879	532	310	350	244	16	93	213	
SV6605/2	30	200	969	613	354	400	278	16	105	237	
SV6605/1	30	200	969	613	354	400	278	16	105	237	
SV6605	30	200	969	613	354	400	278	16	105	237	
SV6606/2	30	200	1059	613	354	400	278	25	113	245	
SV6606/1	30	200	1059	613	354	400	278	25	113	245	
SV6606	37	200	1059	613	354	400	278	25	113	255	
SV6607/2	37	200	1149	613	354	400	278	25	118	261	
SV6607/1	37	200	1149	613	354	400	278	25	118	261	

PUMP TYPE	MOTOR		DIMENSIONS (mm)						WEIGHT kg		
	kW	SIZE	L1	L2	D1	D2	M	FLANGES PN	PUMP	ELECTRIC PUMP	
SV6607	45	225	1149	710	411	450	298	25	122	341	
SV6608/2	45	225	1239	710	411	450	298	25	127	346	
SV6608/1	45	225	1239	710	411	450	298	25	127	346	
SV6608	45	225	1239	710	411	450	298	25	127	346	

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**SV66 SERIES  
OPERATING CHARACTERISTICS AT ~2900 rpm 50 Hz**



These performances are valid for liquids with density  $\rho = 1,0 \text{ kg/dm}^3$  and kinematic viscosity  $\nu = 1 \text{ mm}^2/\text{s}$ .

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