

# 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.

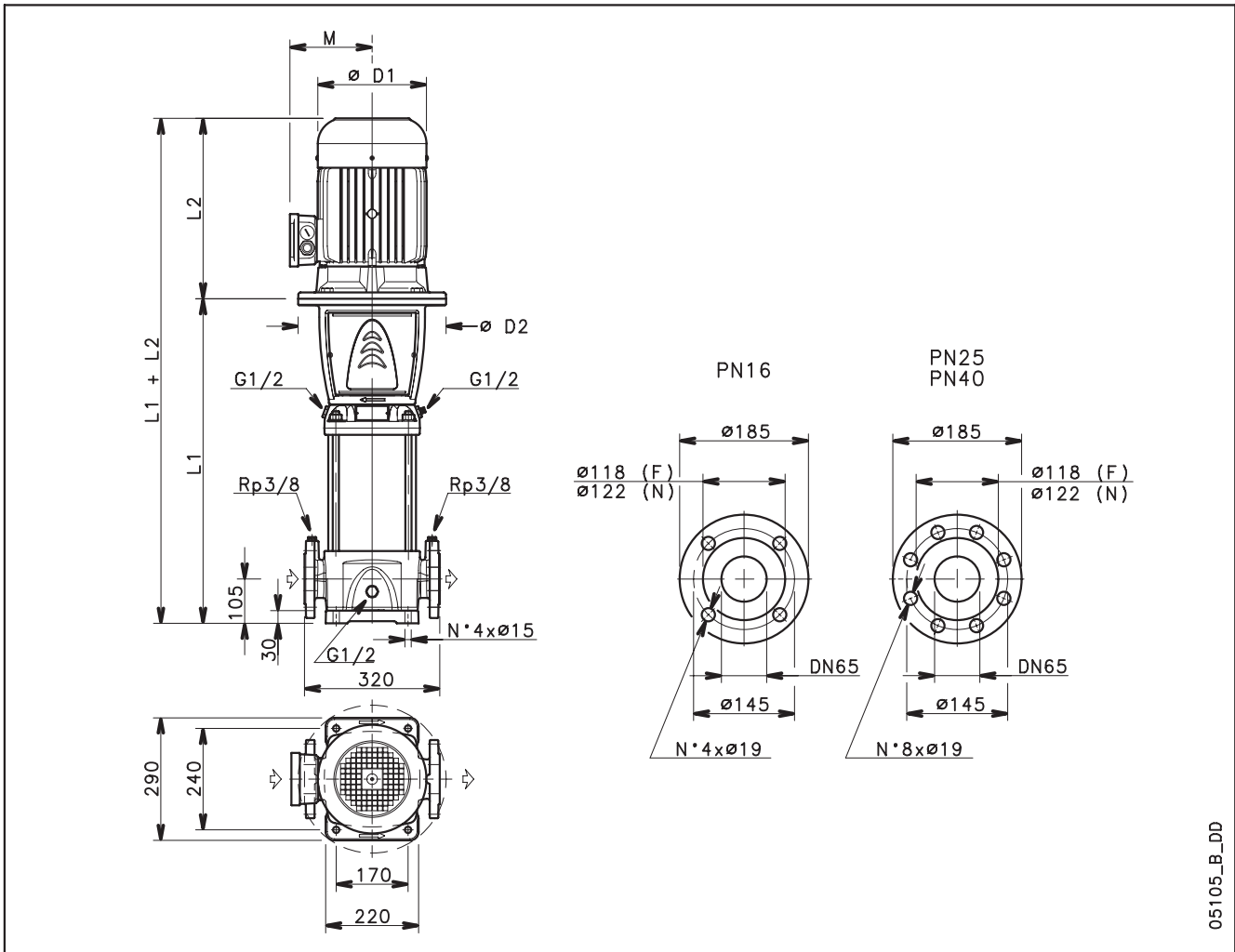
The liquid end, located between the upper cover and the pump casing, is held in place by tie rods. The pump casing is available with different configurations and connection types.

- 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, SV33 SERIES (~2900 rpm)

**F** version: AISI 316/Ghisa, in-line ports, round flanges.

**N** version: AISI 316, in-line ports, round flanges.



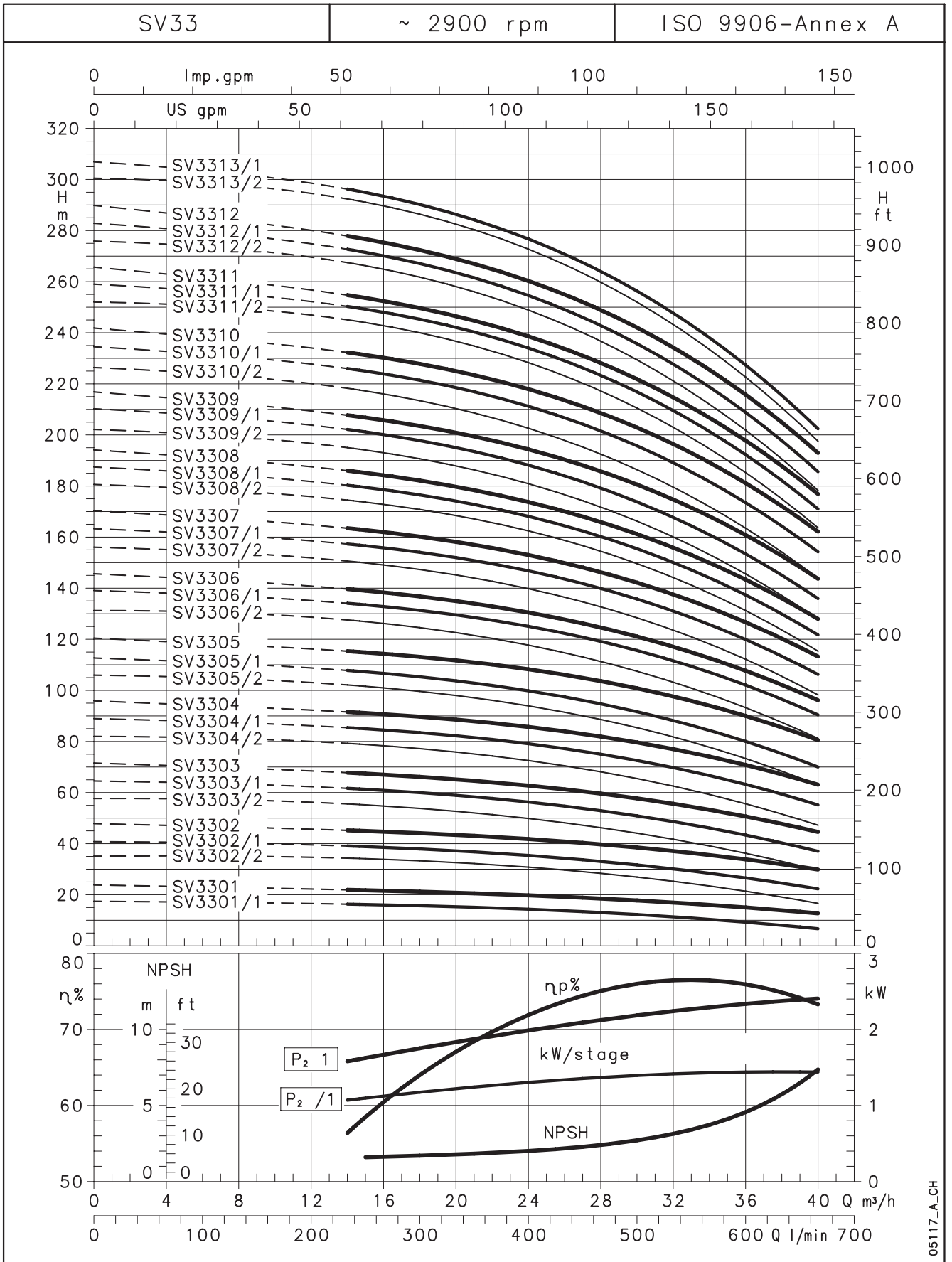
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PUMP TYPE	MOTOR		DIMENSIONS (mm)						WEIGHT kg	
	KW	SIZE	L1	L2	D1	D2	M	FLANGES PN	PUMP	ELECTRIC PUMP
SV3301/1	2,2	90	489	263	155	164	129	16	52	65
SV3301	3	100	489	303	176	164	121	16	52	70
SV3302/2	4	112	564	307	193	164	133	16	56	78
SV3302/1	4	112	564	307	193	164	133	16	56	78
SV3302	5,5	132	584	374	220	300	151	16	61	96
SV3303/2	5,5	132	659	374	220	300	151	16	65	100
SV3303/1	7,5	132	659	374	220	300	151	16	65	106
SV3303	7,5	132	659	374	220	300	151	16	65	106
SV3304/2	7,5	132	734	374	220	300	151	16	69	110
SV3304/1	11	160	769	427	257	350	194	16	73	140
SV3304	11	160	769	427	257	350	194	16	73	140
SV3305/2	11	160	844	427	257	350	194	16	77	144
SV3305/1	11	160	844	427	257	350	194	16	77	144
SV3305	15	160	844	488	310	350	244	16	77	174
SV3306/2	15	160	919	488	310	350	244	16	81	178
SV3306/1	15	160	919	488	310	350	244	25	81	178
SV3306	15	160	919	488	310	350	244	25	81	178
SV3307/2	15	160	994	488	310	350	244	25	84	182
SV3307/1	18,5	160	994	532	310	350	244	25	84	200

PUMP TYPE	MOTOR		DIMENSIONS (mm)						WEIGHT kg	
	KW	SIZE	L1	L2	D1	D2	M	FLANGES PN	PUMP	ELECTRIC PUMP
SV3307	18,5	160	994	532	310	350	244	25	84	200
SV3308/2	18,5	160	1069	532	310	350	244	25	88	204
SV3308/1	18,5	160	1069	532	310	350	244	25	88	204
SV3308	22	180	1069	532	310	350	244	25	89	210
SV3309/2	22	180	1144	532	310	350	244	25	93	214
SV3309/1	22	180	1144	532	310	350	244	25	93	214
SV3309	22	180	1144	532	310	350	244	25	93	214
SV3310/2	22	180	1219	532	310	350	244	25	97	218
SV3310/1	30	200	1219	613	354	400	278	25	104	237
SV3310	30	200	1219	613	354	400	278	25	104	237
SV3311/2	30	200	1294	613	354	400	278	40	118	251
SV3311/1	30	200	1294	613	354	400	278	40	118	251
SV3311	30	200	1294	613	354	400	278	40	118	251
SV3312/2	30	200	1369	613	354	400	278	40	122	255
SV3312/1	30	200	1369	613	354	400	278	40	122	255
SV3312	30	200	1369	613	354	400	278	40	122	255
SV3313/2	30	200	1444	613	354	400	278	40	127	260
SV3313/1	30	200	1444	613	354	400	278	40	127	260

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**SV33 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  $\nu = 1 \text{ mm}^2/\text{s}$ .