



## SP Series

*Close-coupled self-priming peripheral pumps with side channel and star impeller.*

*Designed to remain primed even in the presence of water-dissolved gases or when the suction line is not filled with liquid.*

*The nickel-plated brass impeller prevents jamming due to oxidation.*

### SPECIFICATIONS

**Delivery:** up to 2.75 m<sup>3</sup>/h

**Head:** up to 50 m

**Power supply:** three-phase and single-phase 50 and 60 Hz

**Power:** 0.55 kW to 0.75 kW

**Maximum operating pressure:**  
8 bar

**Temperature of pumped liquid:**  
-10°C to +40°C

**Maximum ambient temperature:**  
40°C

**Insulation class:** F

**Protection:** IP55

### MATERIALS

**Pump body:** Cast iron

**Motor/pump support:** Cast iron

**Impeller:** Nickel-plated brass

**Front flange:** Brass

**Rear diffuser plate:** Brass

**Mechanical seal:**  
Ceramic/Carbon/NBR

**Fill plug:** Brass

**Elastomers:** NBR

### APPLICATIONS

- Water distribution
- Washing
- Pressure boosting
- Irrigation



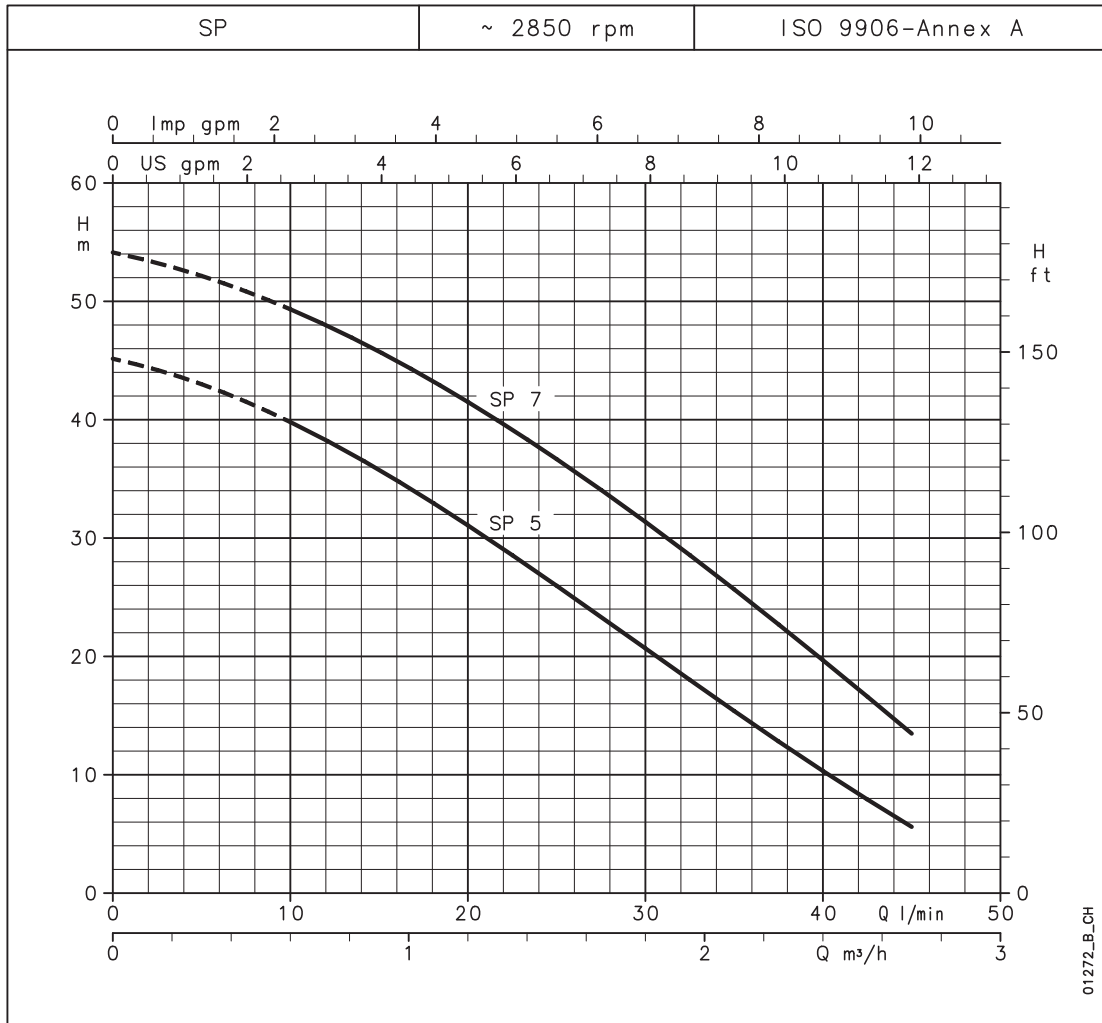
For a complete list of technical information, consult [www.lowara.com](http://www.lowara.com)

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### SP SERIES

### OPERATING CHARACTERISTICS AT 50 Hz



### HYDRAULIC PERFORMANCE TABLE

PUMP TYPE	RATED POWER		Q = DELIVERY								
			l/min	0	10	20	25	30	35	40	45
			m³/h	0	0,6	1,2	1,5	1,8	2,1	2,4	2,7
			H = TOTAL HEAD IN COLUMN OF WATER (METRES)								
SP5(T)	0,55	0,75	45,2	39,8	31,1	26,0	20,7	15,4	10,3	5,7	
SP7(T)	0,75	1	54,1	49,3	41,5	36,7	31,4	25,7	19,7	13,5	

These performances are valid for liquids with density  $\rho = 1.0 \text{ kg/dm}^3$  and kinematic viscosity  $\nu = 1 \text{ mm}^2/\text{s}$ .

sp-2p50\_a\_th

### ELECTRICAL DATA

PUMP TYPE	INPUT POWER*	INPUT CURRENT*	CAPACITOR
THREE-PHASE		220-240 V	
	kW	A	$\mu\text{F} / 450 \text{ V}$
SP5	0,87	4,21	16
SP7	1,00	4,60	20

PUMP TYPE	INPUT POWER*	INPUT CURRENT*	INPUT CURRENT*
THREE-PHASE		220-240 V	380-415 V
	kW	A	A
SP5T	0,78	2,67	1,54
SP7T	0,98	3,53	2,04

\*Maximum value in specified range

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### SP SERIES DIMENSIONS AND WEIGHTS

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