SG95

Permanent Magnet Centrifugal Pipe Pump

The SG95 page covers five in-line pipeline pumps, not one model. The SG95 trio runs on 1-inch ports: the plastic-impeller 550A (0.55 kW, 86 L/min, 42 m), and the stainless-impeller 550S (0.55 kW, 75 L/min, 51 m) and 650S (0.65 kW, 80 L/min, 60 m). The SG120B pair steps up to 1.25-inch ports: 1.1 kW at 164 L/min and 62 m, and 1.5 kW at 178 L/min and 73 m. All five share a stainless body, ceramic shaft and bearing, and 170–260 V wide voltage; none is self-priming.

Energy: Uses at least 60% less energy than a same-power conventional fixed-speed pump at the same flow/head duty point under constant-pressure conditions.

Key features

- Five models from 0.55 kW to 1.5 kW in one pipe-mount series
- Up to 178 L/min and 73 m of head with the SG120B-1.5
- 1-inch ports on SG95 models, 1.25-inch ports on SG120B
- Water-cooled motor and controller, no fan
- Ceramic shaft and ceramic bearing in a stainless steel body
- Noise standard ≤ 40 dB at 1 m
- Automatic start and stop with only two buttons

Technical data

Model	Power (kW)	Power (HP)	Current (A)	Qmax (L/min)	Hmax (m)
SG95-550A	0.55	0.75	3.9	86	42
SG95-550S	0.55	0.75	3.9	75	51
SG95-650S	0.65	0.87	4.5	80	60
SG120B-1.1	1.1	1.5	7.5	164	62
SG120B-1.5	1.5	2	10	178	73

Working conditions

Ambient temperature	0–40 °C
Liquid temperature	5–70 °C
Max. working pressure	10 bar
Noise	≤ 40 dB at 1 m

Installation

Model	Inlet	Outlet	a	b	c	d	Gross weight
SG95-550A	1"	1"	95	273	62	81	5.8 kg
SG95-550S	1"	1"	95	249	62	81	
SG95-650S	1"	1"	95	268	62	81	
SG120B-1.1	1.25"	1.25"	123	351	62	88.5	
SG120B-1.5	1.25"	1.25"	95	273	62	81	

The specification confirmed for an order is the one stated in the order confirmation.

Packing

Model	Carton size (mm)	Gross weight
SG95-550A	350 × 115 × 115	5.8 kg
SG95-550S	326 × 115 × 115	
SG95-650S	350 × 115 × 115	
SG120B-1.1		
SG120B-1.5		

Applications

- Whole-House Boosting
- Rooftop Tank & Water Tower Boosting
- HVAC circulation

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