ICP100A

Intelligent Centrifugal Pump

The ICP100A is the high-flow member of the ICP centrifugal line, moving up to 102 L/min through 1-inch ports — the highest flow of any 1-inch model in the range. Its five stages run from 0.3 to 0.75 kW and cover 22 to 38 m of head, so a single model serves small houses, duplexes and flats. A cast-iron body keeps the 4.5 kg unit the lightest of the ICP centrifugal models, and 7 m of suction lift lets it draw from a tank below the pump.
Energy: Uses 60% less energy or more than a same-power conventional fixed-speed pump running at the same flow/head duty point under constant-pressure conditions.

Key features

- Wide voltage 170 - 250 V and wide frequency 50 - 60 Hz
- Small size, light weight and high efficiency
- Two button operation with automatic start and stop
- Intelligent fault diagnosis with alarm, self check and prediction
- Permanent magnet motor for lower noise and higher efficiency
- High efficiency and energy saving design

Technical data

Power	Power (kW)	HP	Current (A)	Qmax (L/min)	Hmax (m)	Suction (m)
Power-1	0.3	0.4	2.2	75	22	7
Power-2	0.4	0.55	2.8	83	27	7
Power-3	0.5	0.66	3.5	92	31	7
Power-4	0.6	0.8	4.2	95	36	7
Power-5	0.75	1.0	5.2	102	38	7

Working conditions

Media	Thin, clean, non-solidifying, non-flammable liquid
Solids	No particles or fibres larger than 0.2 mm
Max working pressure	10 bar
Liquid temperature	5 - 70 °C, pH 6.5 - 8.5
Ambient temperature	0 - 40 °C, humidity up to 85%

Installation

Model	Inlet	Outlet	a	b	d	e	f	g	h	Net weight
ICP100A	1 inch	1 inch	175	27	156	93	7	71	194	4.5 kg

Packing

Packing	Carton with plywood tray
Carton size	21 x 17 x 22 cm

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

Net weight	4.5 kg

Applications

- Whole-House Boosting
- Villa & Multi-Storey Homes
- Rooftop Tank & Water Tower Boosting

Fujian Calliope Pumps Co., Ltd. — For quotations, OEM/ODM projects and distributor applications, contact the export team at cason@calliopepump.com or via WhatsApp +86 178 0591 6566. See the full model page at www.calliopepump.com/products/icp100a.

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