ICP106F

PM VFD Smart Booster Pump

The ICP106F takes the ICP100F formula one step further: the same 0.75 kW stage and 86 L/min, but 42 m of head instead of 38 m, and a 9 m suction lift — the deepest suction of any pump in the range. It is the model for sources that sit lower than other boosters can reach. Constant pressure is settable from 10 to 30 m, the cast-iron body holds a plastic impeller, and the 9.8 kg unit runs on 170–250 V with fault diagnosis, alarm and self-check built in.

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

Key features

- Quick self priming with pressure gauge and integral sensor
- Wide voltage 170 - 250 V and 50 - 60 Hz
- Constant pressure zone across the working range
- Automatic start and stop with a three-button interface
- Water cooled motor for quiet operation
- Stainless steel shaft and long service life

Technical data

Model	Power (kW)	HP	Current (A)	Qmax (L/min)	Hmax (m)	Suction (m)
ICP106F	0.75	1.0	3.8	86	42	9

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	d	g	h	Net weight
ICP106F	1 inch	1 inch	271	191	186	298	9.8 kg

Packing

Packing	Carton with plywood tray
Carton size	32.5 x 23.5 x 34.5 cm
Net weight	9.8 kg

Applications

- Villa & Multi-Storey Homes

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

- Rooftop Tank & Water Tower Boosting
- Whole-House 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/icp106f.

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