

FUTURE JETm 1B-ST Self-Priming Jet Pump

0.48 kW 230 V single-phase · high-efficiency patented FUTURE JET hydraulics · up to 95 l/min and 36 m head

Part No. 2110280

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More flow. Less power. Primes itself from 9 m.

The FUTURE JETm 1B-ST is the mid model in the FUTURE JET-ST 1 series. Pedrollo's patented FUTURE JET design re-engineers the classic jet pump, matching and exceeding its pressure while — by Pedrollo's figures — doubling the flow and cutting energy use by up to 50%. It primes itself from up to 9 m below the pump and keeps running with air in the water, making it the natural choice for wells, tanks and rainwater stores. Suited to small homes and garden irrigation that need a little more pressure than the 1C-ST.



95 l/min
MAX FLOW

36 m
MAX HEAD

0.48 kW
0.65 HP

9 m
SUCTION LIFT

6 bar
MAX PRESSURE

KEY FEATURES

- Patented FUTURE JET hydraulics — more flow than a traditional jet
- Up to 50% lower energy consumption (Pedrollo)
- Self-priming to 9 m, handles air in the water
- Reduced turbulence — quieter, more stable running
- AISI 304 stainless pump body, cover and impeller
- IE2 motor with integrated thermal protection
- Continuous S1 duty, Class F insulation, IPX4
- 1" BSP suction and delivery

IDEAL FOR

- Domestic supply from wells, sumps and tanks
- Rainwater harvesting supply
- Garden and orchard irrigation
- Clean water transfer between tanks

WHAT'S INCLUDED

- FUTURE JETm 1B-ST pump, 230 V single-phase
- Pedrollo installation and operating instructions

PERFORMANCE — 50 Hz, 0 m suction lift								
Flow l/min	5	10	20	40	60	80	90	95
Head m	36	33	27.6	19.7	14.2	9.5	7	5.5
Shut-off head at zero flow 40 m. Performance to EN ISO 9906 Grade 3B.								

PUMP & MOTOR	
Power (P2)	0.48 kW / 0.65 HP
Supply	230 V single-phase
Motor	IE2, thermal protection
Current	3.2 A at 230 V
Duty / insulation	S1 / Class F
Protection	IPX4
Max flow	95 l/min
Max head	36 m
Max pressure	6 bar

MATERIALS & DIMENSIONS	
Pump body	AISI 304 stainless steel
Impeller	AISI 304 stainless
Cover	AISI 304 stainless
Ejector	Noryl™
Motor shaft	AISI 431 stainless
Mech. seal	AR-12, Ø12 mm
Ports	1" BSP (ISO 228/1)
Length × height	367 × 183 mm
Weight	7.1 kg

APPLICATION LIMITS	
Suction lift	Up to 9 m
Liquid temperature	−10 °C to +40 °C
Ambient temperature	Up to +40 °C
Liquid	Clean water, not chemically aggressive to pump materials

Installation notes. Fill the pump body with water through the priming plug before first start. Fit a non-return valve on the suction line and keep suction pipework no smaller than the port size. Install indoors or under cover in a ventilated space protected from the weather. For whole-house supply, pair with a pressure vessel and pressure switch or pump controller.