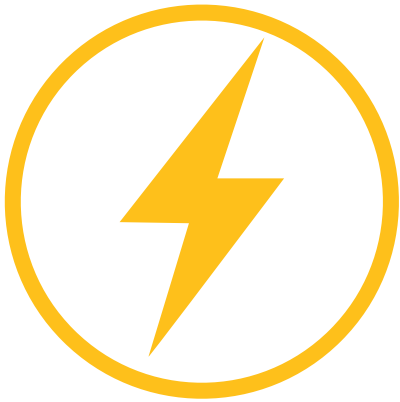


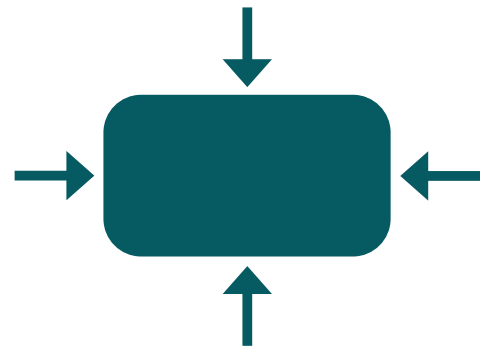
e-idos[®]
products

**PLUG AND PLAY
SOLUTION**



**ENERGY
EFFICIENCY**

**COMPACT
DESIGN**



Construction

Self-priming booster set with built in frequency converter.

MÈTA is a plug and play solution, the pump is equipped with an integrated pressure transducer, an integrated check valve and a built-in pressure vessel.

The VSD controls the start and stop of the pump and allows to keep a constant pressure.

Applications

For water supply.
For domestic use, for garden use and irrigation.

Features

- integrated frequency converter
- built-in pressure vessel
- high efficiency asynchronous single-phase motor
- motor power control
- programmable re-start pressure
- no hydraulic losses due to the measuring devices
- voltage and current control
- monitoring of maximum starting current

Protections

- dry-run protection
- detects the presence of air in the pump casing
- overload control and overheating motor control
- pump blockage
- power supply control
- starts per hour control
- detects small leakages in the system

Operating conditions

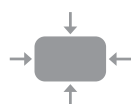
Liquid temperature: 0 °C to +35 °C.
Ambient temperature up to +40 °C.
Maximum permissible pressure in the pump casing: 8 bar.
Continuous duty.



EASY TO INSTALL
Plug And Play solution



ECONOMIC SAVING
IE4 high efficiency asynchronous single-phase motor
Up to 400W less energy consumption compared to a standard solution



EASY TO USE
Equipped with a programmable software and, thanks to the analogic pressure sensor, the product allows to set the restart pressure.

Materials

| Component | Material |
|------------------|---|
| Pump casing | Cr-Ni steel 1.4301 EN 10088 (AISI 304) |
| Casing cover | Cr-Ni steel 1.4301 EN 10088 (AISI 304) |
| Pump Shaft | Chrome steel 1.4104 EN 10088 (AISI 430) |
| Suction casing | PPO-GF20 (Noryl) |
| Stage casing | PPO-GF20 (Noryl) |
| Impeller | Cr-Ni steel 1.4301 EN 10088 (AISI 304) |
| Membrane | Butyl |
| Tank cover | POM - POLYACETAL |
| Membrane cap | POM - POLYACETAL |
| Non-return valve | POM - POLYACETAL |
| Plug | Cr-Ni steel 1.4305 EN 10088 (AISI 303) |
| Mechanical seal | Carbon - Ceramic - NBR |

Motor

2-pole induction motor.
Nominal speed 4500 rpm
Motor: variable speed
Frequency: 50 Hz
Single-phase 230 V \pm 10%, with thermal protector.
Cable: H07RN8-F, 3G1,5 mm², length 1,5 m, with plug CEIUNEL 47166.
Insulation class F.
Protection IP X4.
Constructed in accordance with: EN 60034-1;
EN 60335-1, EN 60335-2-41.

Performance $n \approx 4500$ rpm

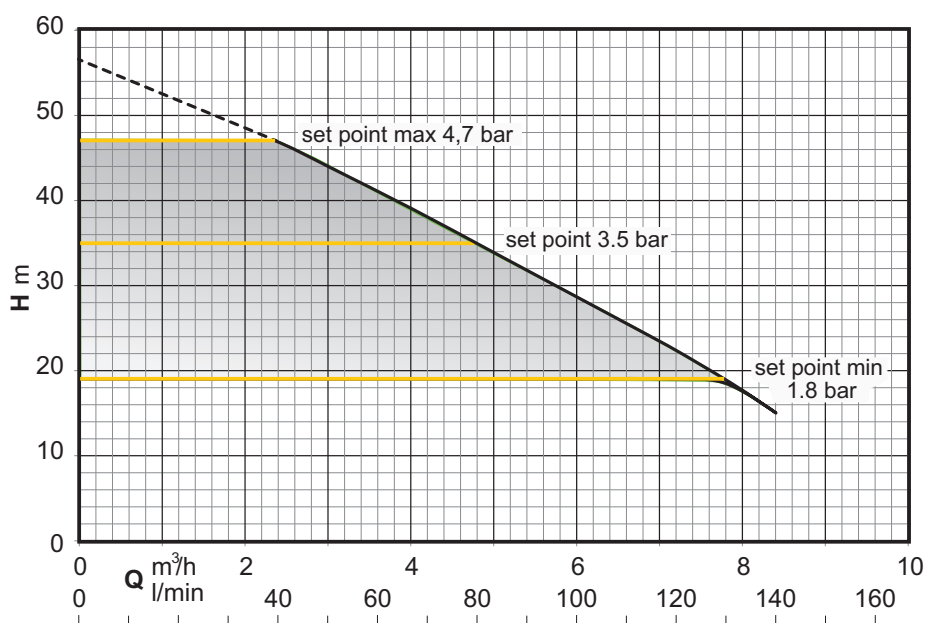
| 1 ~ | 230 V | P ₁ | Q | 0 | 2 | 3 | 4 | 5 | 6 | 6,5 | 7 | 8 | 8,4 |
|------|-------|----------------|-----|----|------|------|------|------|------|-------|------|------|-----|
| | | | | 0 | 33,3 | 50 | 66,6 | 83,5 | 100 | 108,3 | 116 | 133 | 140 |
| MÉTA | A | kW | H m | 33 | 48 | 43,5 | 38,7 | 33,8 | 28,6 | 26 | 23,4 | 18,2 | 15 |

P₁ Max. power input.

Test results with clean cold water, without gas content.

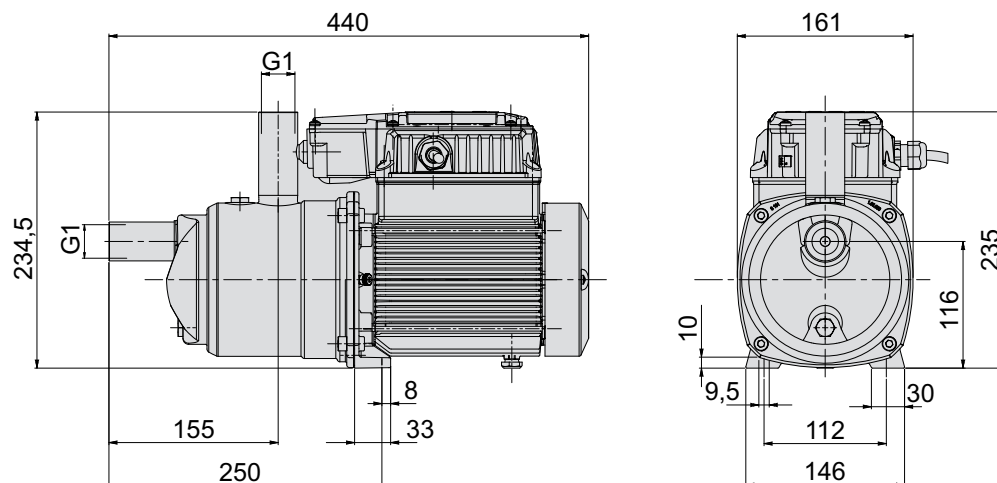
Tolerances according to UNI EN ISO 9906:2012

Characteristic curves $n \approx 4500$ rpm



Dimensions and weights

Net weight 12,44 kg
With cable length: 1,5 m



Control Panel



They allow to visualize:

- Initial screen (rUn, OFF, StB, Err)
- Motor Operating Frequency
- Delivery pressure measured by the transducer
- Supply current input
- Supply electrical power input
- Supply voltage

think outside the box

