

## Self-priming JET pump with integrated inverter control



### Description

INTELLY uses inverter technology, adjusting the speed of the pump motor to maintain a set pressure in the system even if the flow rate and water demand vary.

Reducing the motor speed also reduces power consumption and noise levels.

The pre-set pressure of the pump is adjusted on the intuitive and user-friendly display of the control unit.

If the pump is inactive for 72 hours, an anti-blocking cycle briefly runs to prevent any possible effects of long-term inactivity.

Accurate pressure and flow sensing allows INTELLY to rapidly detect and protect against dry-running.

### Applications

- Domestic boosting
- Irrigation
- Use of rainwater
- Depth max 5 m

Pumped liquid:

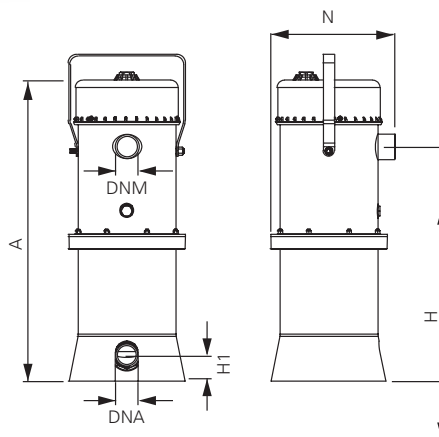
Clean water without any abrasive or suspended solids

Liquid temperature +2°C to +40°C

Air temperature Max +45°C

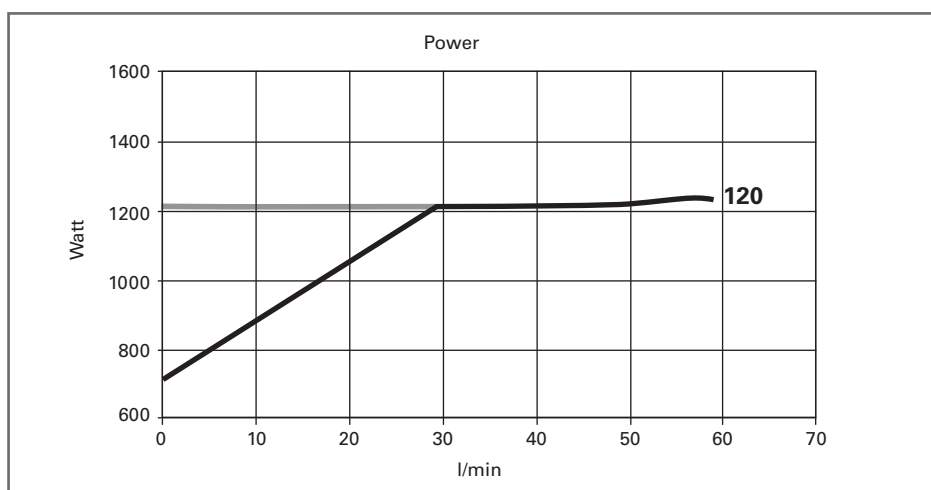
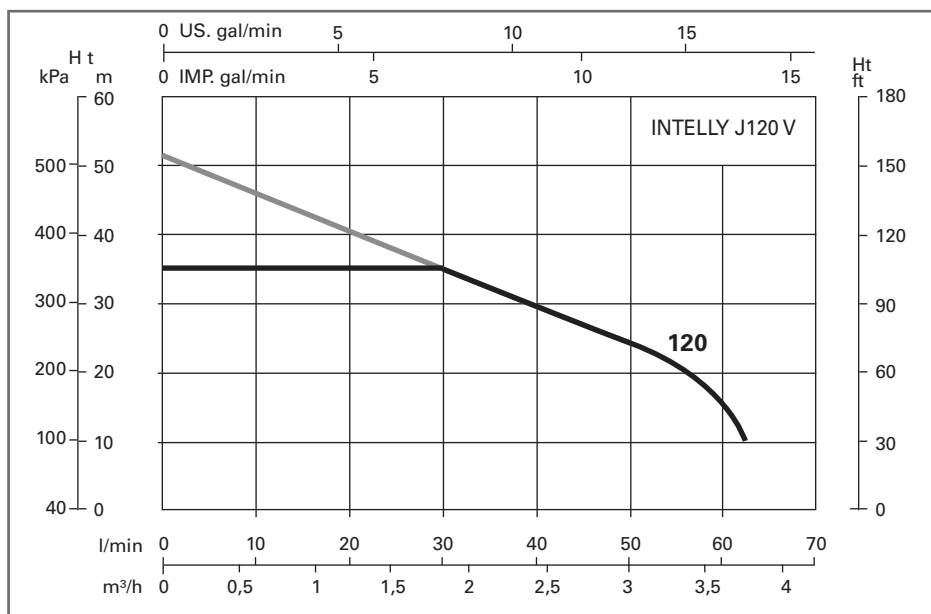
### Materials

- Pump body and motor in AISI 304
- Brass and technopolymer motor support (flanges)
- Shaft in AISI 420
- Diffuser, impeller and venturi jet in Noryl
- Mechanical seal: ceramic / graphite
- A2 Bolts
- NBR70 O-ring
- ADB LIYY-HZO 10m Electric cable
- Inverter electronic board according to RoHS regulations
- Class F insulated motor
- Control box with display
- Plastic flow sensor
- Oil chamber on the mechanical seal



| Code           | P <sub>2</sub> Nom. |     | 1 ~ 50Hz<br>Amp. | Q (l/m) FLOW |                |    |    |    |    |    |          | Stocked | Dimensions mm |     |     |     |     |     |     | Weight<br>Kg |
|----------------|---------------------|-----|------------------|--------------|----------------|----|----|----|----|----|----------|---------|---------------|-----|-----|-----|-----|-----|-----|--------------|
|                | kW                  | Hp  |                  | 230 V        | 0              | 10 | 20 | 30 | 40 | 50 | 60       |         | A             | N   | H   | H1  | N1  | DNM | DNA |              |
|                |                     |     |                  |              | Total Hm in CA |    |    |    |    |    |          |         |               |     |     |     |     |     |     |              |
| INTELLY J120 V | 0,90                | 1,2 | 7,2              | 51           | 45             | 40 | 34 | 30 | 24 | 8  | To order | 477     | 200           | 226 | 163 | 136 | 1"¼ | 1"  | 17  |              |

## Curves and performance $\eta = 2900 \text{ 1/min}$



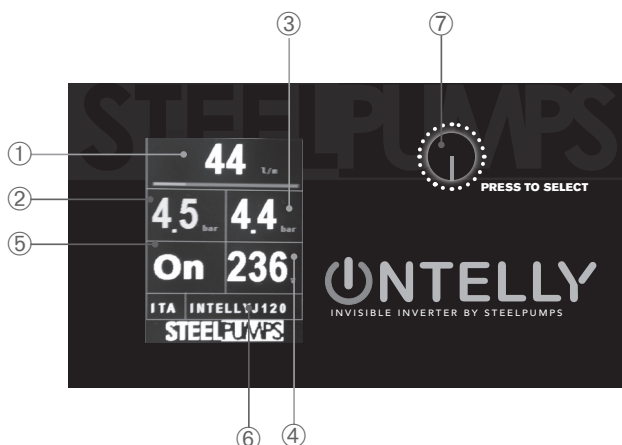
- Work value setting
- System diagnostic
- Historical memory
- Monitoring



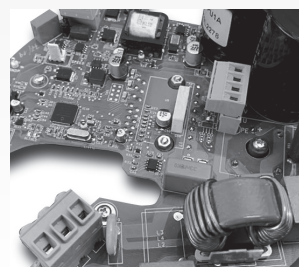
Technopolymer impeller



Technopolymer motor support



- 1 - Flow detected
- 2 - Pressure detected
- 3 - Set pressure (Fail Safe)
- 4 - Supply voltage
- 5 - Pump status
- 6 - Pump model
- 7 - Programming button



Electronic board