

3,5" ELECTRA



Submersible multistage pumps

Multistage submersible pressure pumps supplied with a control panel. The pumps have a diameter of 86 mm and are suitable for irrigation, water transfer, and for the construction of domestic and industrial booster sets. When constructing a booster set, an accessory set can be used with any pressure tank.

Construction characteristics

- pump casing made of stainless steel AISI 304
- cable protection sleeve made of stainless steel AISI 304
- suction filter made of stainless steel AISI 304
- technopolymer non-return valve
- technopolymer impellers
- technopolymer diffusers with wear ring insert
- technopolymer diffuser cap with wear ring insert
- hexagonal shaft made of stainless steel AISI 303
- self-lubricating radial bearing
- brass discharge body

Motor

- submersible 3.5" motor, 230 V
- axial bearing and bearing sleeve cooled by water
- connection cable 25 m or 35 m
- oil-filled cooling chamber
- NEMA bronze flange
- protection IP58, insulation class B
- speed 2850 rpm
- special mechanical seal with sand protection

Usage

- max. liquid temperature: 35 °C
- max. number of starts per hour: 20
- minimum borehole diameter: 90 mm
- max. sand content: 50 g/m³
- max. submersion depth: 50 m

Applications

- pumping water from deep wells and boreholes
- automatic irrigation systems
- pressure boosting stations
- agricultural irrigation



Technical parameters

Pump	3,5" ELECTRA 45/78 M	3,5" ELECTRA 45/100 M
Power supply	230 V	
Motor power input	550 W	750 W
Max. flow rate (Q max)	2700 l/h	
Max. head (H max)	78 m	100 m
Max. immersion depth	50 m	
Max. liquid temperature	40 °C	
Cable length	25 m or 35 m	
Connection DNM	5/4"	
Dimensions L	990 mm	1050 mm
Pump diameter	86 mm	
Weight	12.5 kg	14 kg

