

PATENTED



Construction

5" Close coupled multi-stage submersible pumps.

All parts in contact with the fluid both internal and external are in chrome-nickel stainless steel.

MXSM with built-in capacitor, accessible through the delivery casing. Hydraulics located below the motor with the motor cooled by the pumped fluid. Safe operation is possible with the motor only partially submerged.

Double shaft seal with oil chamber.

The suction strainer prevents the entrance of solids with diameter bigger than 2 mm.

Applications

For water supply from wells, tanks or reservoirs.

For domestic, civil and industrial applications, for garden use, irrigation and rain water harvesting systems.

Operating conditions

Water temperature up to 35 °C.

Minimum internal diameter of well: 140 mm.

Minimum immersion depth: 100 mm.

Maximum immersion depth: 20 m (with suitable cable length).

Continuous duty.

Motor

2-pole induction motor, 50 Hz ($n \approx 2900$ 1/min).

MXS : three-phase 230 V \pm 10%;

three-phase 400 V \pm 10%.

Cable: H07RN8-F, length 15 m, without plug.

MXSM: single-phase 230 V \pm 10%, with thermal protector.

Incorporated capacitor.

Float switch MXSM.. CG up to 10A (on demand)

Cable: H07RN8-F, length 15 m, with plug CEI-UNEL 47166.

Insulation class F.

Protection IP 68 (for continuous immersion).

Triple impregnation humidity-proof dry winding.

Constructed in accordance with EN 60335-2-41.

Special features on request

- Other voltages. - Frequency 60 Hz (as per 60 Hz data sheet).

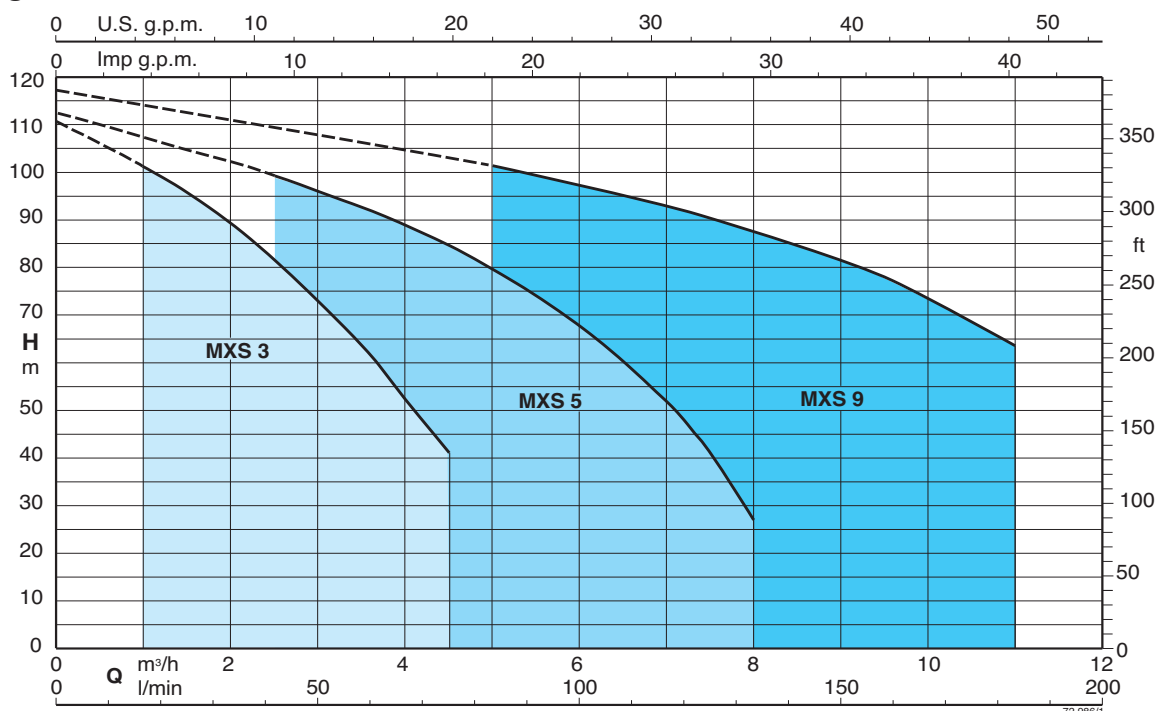
- Cable length 20 m.

- Motor suitable operation with frequency converter.

Materials

Component	Material
Delivery casing	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
External jacket	
Suction strainer	
Stage casing	
Spacer sleeve	
Impeller	
Motor jacket	
Jacket cover	
Oil chamber cover	
Shaft	
Upper mechanical seal	Steatite, carbon, NBR
Lower mechanical seal	Ceramic alumina, silicon carbide, NBR
Seal lubrication oil	Oil for food machinery and pharmaceutical use

Coverage chart $n \approx 2900$ rpm



Characteristic curves $n \approx 2900$ rpm

