

Pearl®

MXA DELUXE

Horizontal Multistage Pumps

This new version of the MXA is designed for water treatment applications. The components are developed to resist the extreme working conditions of systems pumping RO water (Reverse Osmosis Systems).

The MKA DELUXE is more robust and forgiving when temporary abnormal operating conditions may exist.

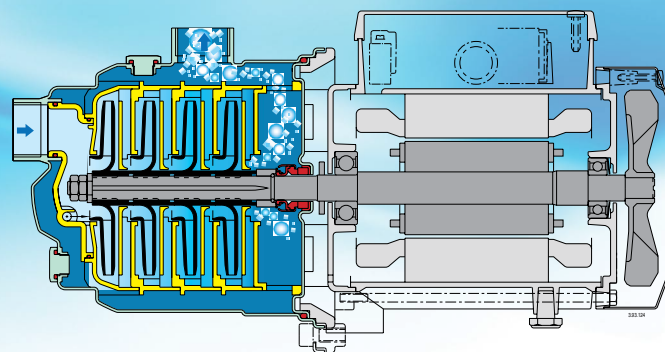
Features

A suction port located above pump axis provides extra safety against running dry.

Robust, single-piece barrel casing.

Compact, single-piece lantern bracket and base.

Water-filled shroud located around the stages ensures low noise during operation.



Applications

- Pumping water out from Reverse Osmosis (RO) water.
- For water supply.
- For domestic use, garden use, and irrigation.
- Pumping in environments where water contains a percentage of sulfur.

Operating Conditions

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Maximum permissible pressure in the pump casing: 116 psi.
- Continuous duty.

Construction

- Horizontal, multistage close coupled pump.
- Single-piece barrel casing in chrome-nickel Stainless Steel, with front suction port located above the pump's axis, and radial delivery at the top.
- Stages in Noryl.
- Connections: Threaded ports NPT.



Motor

- 2-pole induction motor, 60 Hz ($n \approx 3450$ rpm).
- Three-phase 230/460 V.
- Single-phase 230 V.
- Capacitor inside the terminal box.
- Insulation class F.
- Protection IP 44.

Special Features Available Upon Request

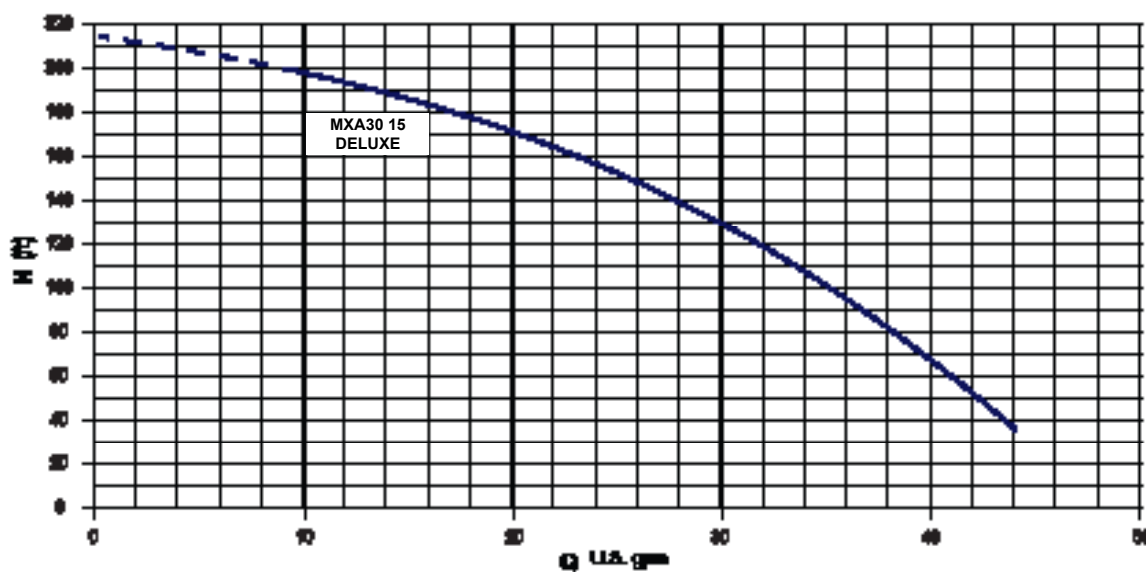
Other voltages

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	Stainless Steel (AISI 316)
Plug	Cr-Ni steel 1.4305 EN 10088 (AISI 303)
Stage Casing	PPO-GF20 (Noryl)
Impeller	PPO-GF20 (Noryl)
Suction Casing	PPO-GF20 (Noryl)
Mechanical Seal	Carbon - Ceramic - Viton

Horizontal Multistage Pumps

Performance Curves | $n = 3450$ rpm



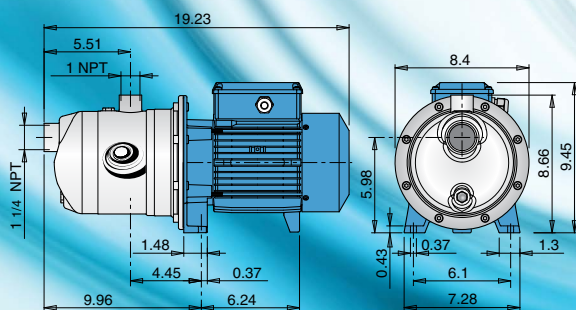
Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	I _A / I _N	115V In A	230V In A	115 / 230V In A	I _A / I _N
MXA20H 07 DELUXE	0,75	4.5/2.6	6,8	-	6,2	12.5/6.4	3,2
MXA30 10 DELUXE	1,0	5.6/3.2	4,1	-	8	-	4,2
MXA30 15 DELUXE	1,5	9.0/5.2	5,4	-	10,6	-	3,8

P2 Rated motor power output | I_A / I_N D.O.L. starting current / Rated current.

Weights and Dimensions

MODEL	NET WEIGHT LBS	
	3 ~	1 ~
MXA20H 07 DELUXE	22	24
MXA30 10 DELUXE	36	36
MXA30 15 DELUXE	38	



Installation

