



## Horizontal Multistage Pumps

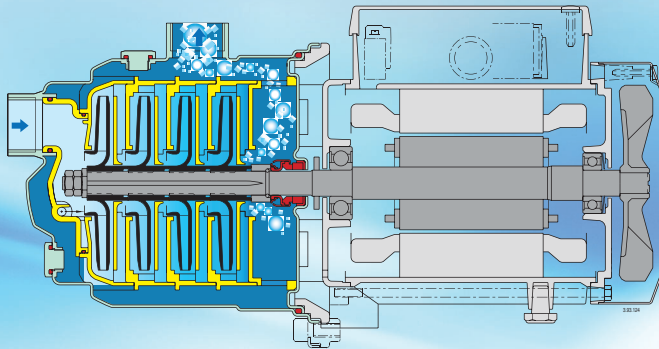
### Features

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

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

### 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

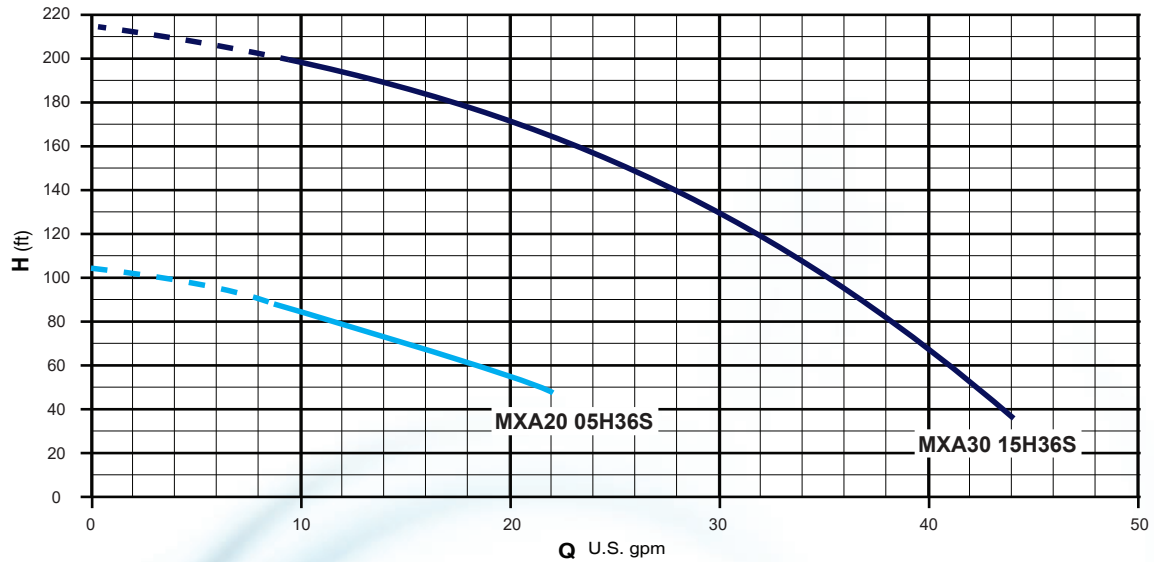
Other voltages

### 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      | Chrome Steel 1.4104 EN 10088 (AISI 430) |
| 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 - NBR                  |

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### Performance Curves | n= 3450 rpm



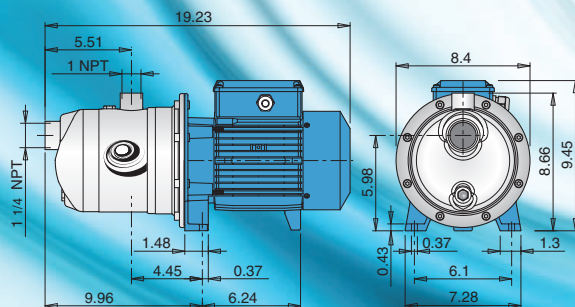
### Nominal Currents

| MODEL    | P2<br>HP | 3 ~             |                                 | 1 ~       |              |                 |                                 |
|----------|----------|-----------------|---------------------------------|-----------|--------------|-----------------|---------------------------------|
|          |          | 230 / 460V In A | I <sub>A</sub> / I <sub>N</sub> | 115V In A | 230V<br>In A | 115 / 230V In A | I <sub>A</sub> / I <sub>N</sub> |
| MXA20 05 | 0,5      | 3.5/2.0         | 4.8                             | -         | 4.1          | -               | 2.7                             |
| MXA30 15 | 1,5      | 9.0/5.2         | 5.4                             | -         | 10.6         | -               | 3.8                             |

P2 Rated motor power output | I<sub>A</sub> / I<sub>N</sub> D.O.L. starting current / Rated current.

### Weights and Dimensions

| MODEL    | NET WEIGHT LBS |     |
|----------|----------------|-----|
|          | 3 ~            | 1 ~ |
| MXA20 05 | 17             | 17  |
| MXA30 15 | 38             | 39  |



### Installation

