

Pearl[®]

MSC

Horizontal Multistage Pumps

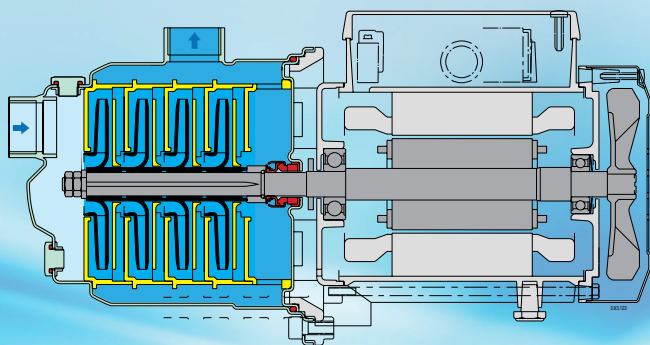
Features

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 115/230 V, 115 V, 230 V.
- Capacitor inside the terminal box.
- Insulation class F.
- Protection IP 44.

Special Features Available Upon Request

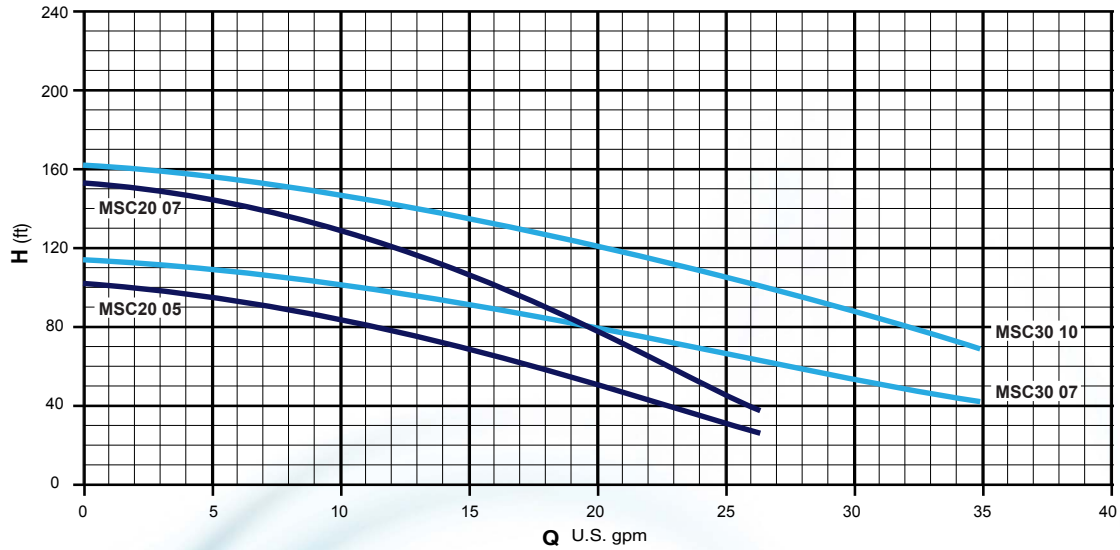
Other voltages

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)
Mechanical Seal	Carbon - Ceramic - NBR

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Performance Curves | n= 3450 rpm



Nominal Currents

MODEL	P2 HP	3 ~		1 ~			
		230 / 460V In A	I _A / In	115V In A	230V In A	115 / 230V In A	I _A / In
MSC20 05	0.5	2.6/1.6	5.4	8.4	4.2		2.6
MSC20 07	0.75	2.6/1.6	3.7	10.8	5.4	8.6/4.5	3.1
MSC30 07	0.75	2.6/1.6	3.7	10.8	5.4	13.6/7	3.1
MSC30 10	1	5.4/3.1	5.5	13.8	7.2		3.5

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

Weights and Dimensions

MODEL	DIMENSIONS INCHES			NET WEIGHT LBS	
	fM	H	w1	3 ~	1 ~
MSC20 05	14.25	6.93	4.02	15.9	15.9
MSC20 07	15.39	7.56	4.41	19.6	21.6
MSC30 07	15.39	7.56	4.41	19.3	21.3
MSC30 10	15.39	7.56	4.41	24.2	

