



HICSON PUMPS

SELF PRIMING CENTRIFUGAL PUMPS MODEL : 'MAH'

APPLICATION

- Industrial ● Water Works ● Transfer of Liquid containing air, gas ● Marine ● Refrigeration
- Fuel Oil ● Fire Fighting ● Pressure Boosting etc.

DESCRIPTION

Pump type 'MAH' are horizontal, centrifugal self priming pumps with built in deaerating lateral channel stage. Both suction and delivery branches are vertical so that liquid remains inside the pump even when the pump is switched off. This ensures priming of the pump. The rotor of the pump is supported by antifriction bearings at both ends. These bearings are grease lubricated.

The pumps are provided with stuffing box packing.

Depending on the application, mechanical seal can also be provided.

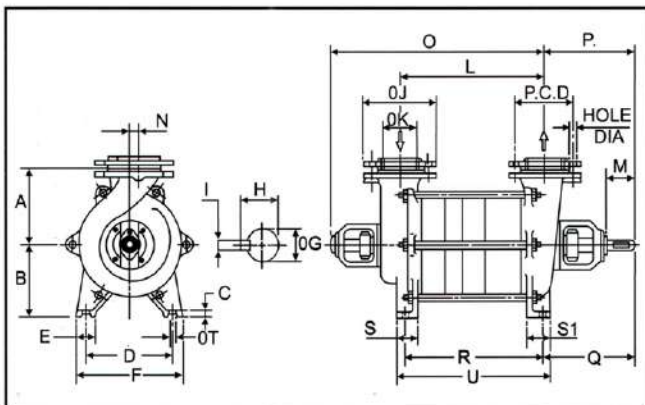
Pump type 'MAH' are designed for continuous operation handling only clear liquid, free from any suspended particles.

MATERIAL OF CONSTRUCTION

- Casting : Close grained Cast
- Impeller : Bronze / C.I.
- Shaft : Stainless Steel / 304 (S.S.)
- Shaft Sealing : Grand Packing
- Special materials available on demand.

TECHNICAL DATA

- Capacity : Maximum 900 LP.M.
- Head : Maximum 70 Mtr.
- Speed : 1450 R.P.M.
- Temperature : Max. 30°C for Standard Pump
- Suction Lift : Maximum 7 Mtr.
- Rotation : Clockwise when looking from drive end.
Anti-clockwise in 'RR' Pumps



PUMP MODEL	A	B	C	D	E	F	SHAFT DIMS. AT COUPLING			SUCTION & DELIVERY FLANGE DETAILS					L	M	N	O	P	Q	R	S	S1	T	U	WT. IN KG. (Approx)
							G	H	I	J	K	P.C.D.	NO. OF HOLES	HOLE DIA												
MAH 802 BB	200	180	18	200	50	252	26	29	8	200	80	160	4	18	393	56	30	625	279	275	395	65	65	15	436	140
MAH 803 BB	200	180	18	200	50	252	26	29	8	200	80	160	4	18	473	56	30	705	279	275	475	65	65	15	516	165
MAH 804 BB	200	180	18	200	50	252	26	29	8	200	80	160	4	18	553	56	30	785	279	275	555	65	65	15	596	185
MAH 1002 BB	220	214	18	270	66	340	26	29	8	220	100	180	8	18	400	56	40	645	272	272	394	70	65	15	441	170
MAH 1003 BB	220	214	18	270	66	340	26	29	8	220	100	180	8	18	485	56	40	730	272	272	479	70	65	15	526	195
MAH 1004 BB	220	214	18	270	66	340	26	29	8	220	100	180	8	18	570	56	40	815	272	272	564	70	65	15	611	220

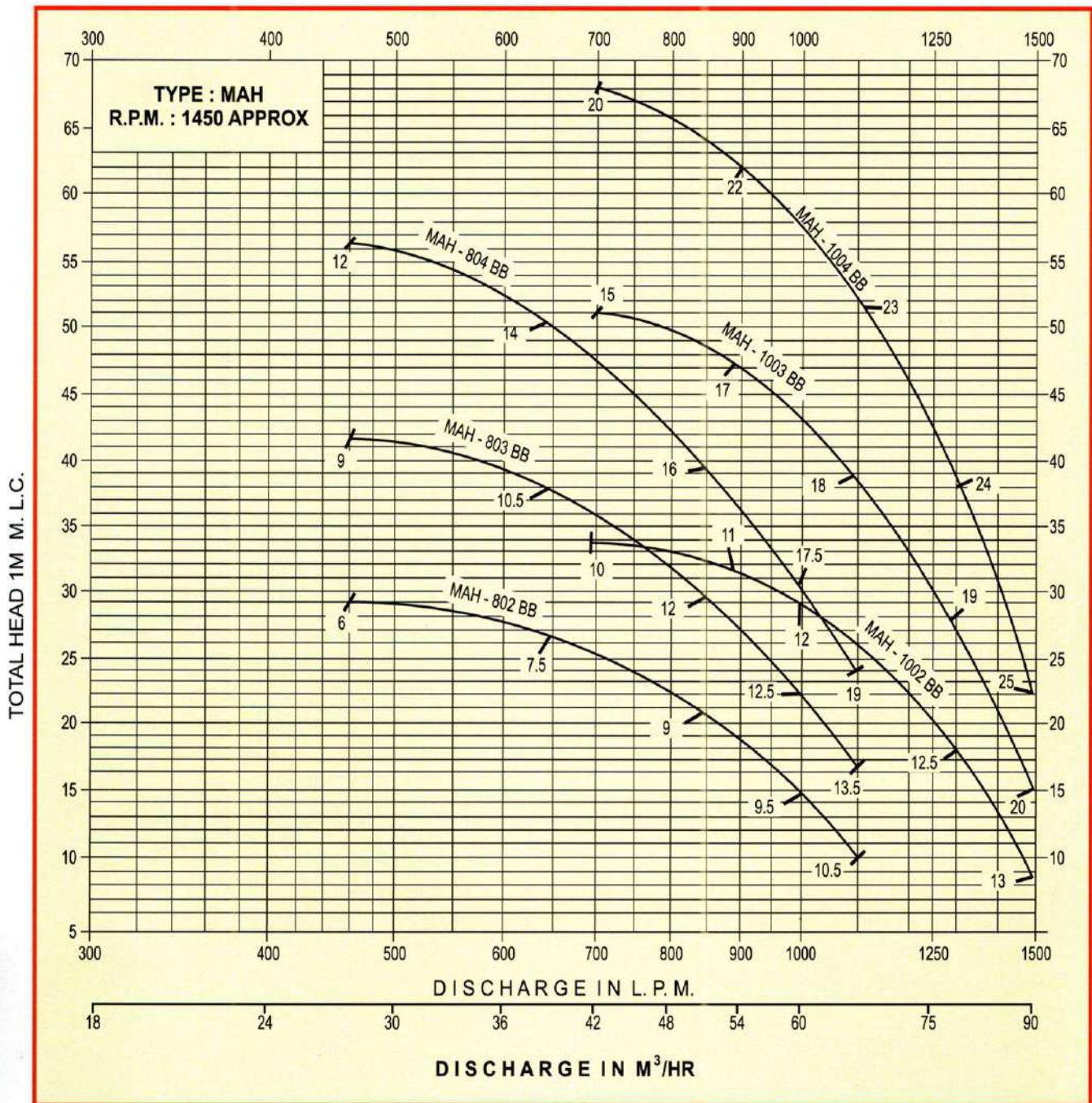
All dimensions are millimeters unless otherwise stated

Casting dimensions are approximate

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- ★ Tolerance on Capacity $\pm 10\%$ at rated head and rated R.P.M.
- ★ Discharge indicated in the selection chart applies to water at barometric height of 760 mm mercury and at a temperature of 30°C .
- ★ Power indicated is that absorbed at the pump shaft when plumbing liquids having specific gravity of 1.0 and viscosity of 1 cSt.
- ★ Maximum permissible speed is 1800 RPM.
- ★ For std. pump with suction lift of more than 4M. Capacity details available on request.
- ★ Direction of rotation is clockwise seeing from the drive end. Reverse rotation (designated by 'RR' also available on request).
- ★ Maximum suction lift is 7 mtrs. (including friction losses) depending upon the duty point. Capacity reduces over 4 mtrs. suction lift.
- ★ Before starting, valve on suction side must be fully opened and valve on discharge side about half opened.
- ★ Before starting the pump for the first time it must be filled with liquid to ensure priming.
- ★ No subsequent external priming is necessary.

Manufacturer reserves the right to change specification and data for improvement in design.