

60L/min

MH60 2-6 Stage Multistage Horizontal Centrifugal Pump

APPLICATIONS: For domestic and industrial applications, irrigation and hydropneumatic sets.

Quiet running multistage centrifugal pump. Built-in self priming valve, not very sensitive to the impurities. Self-priming up to 8 m.



PUMP

- Maximum **capacity:** 60l/min(3.6m³/h).
- **Head** up to 60m.
- **Temperature** of pumped liquid: 0-40°C.
- Maximum operating **pressure:** 7.0 bar.

MOTOR

- Asynchronous, two poles.
- **Protection class:** IPX5.
- Class F insulation.
- Continuous operation.
- **Single phase** version 220-240V 50Hz with automatic reset overload protection.
- **Three phase** version: 220-240V/380-415V 50Hz, the overload protection must be provided and installed by the user in the control panel.
- Maximum ambient **temperature** 40°C

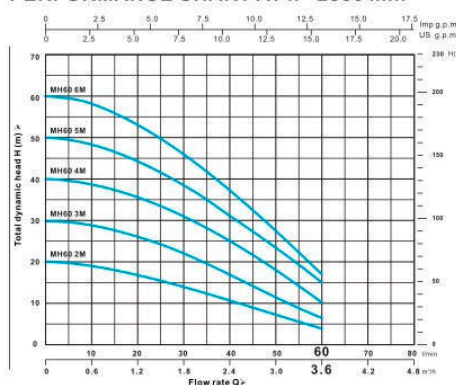
MATERIALS

- **Suction/discharge mounting** in Casting Iron (Casting brass are availability).
- **Pump housing** in AISI 304 Stainless steel.
- **Diffuser** in PPO(Noryl®).
- **Impellers** in PPO(Noryl®)(AISI 304 Stainless steel are availability).
- **Motor shaft** in AISI 316 stainless steel (Carbon steel and AISI 416 Stainless steel are availability).
- **Mechanical seal** with Graphite/Silicon carbide, EPDM elastomers, other parts are made of AISI 304 stainless steel.
- **O-ring** made of EPDM.

OPTIONAL FEATURES

- Different voltages and frequencies.
- Different materials for the mechanical seal.

PERFORMANCE CHART AT n= 2850 min⁻¹



PERFORMANCE DATA AT n= 2850 min⁻¹

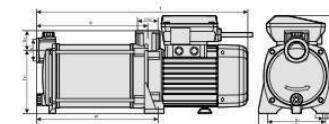
| PUMP MODEL | INPUT | | OUTPUT | | Q m³/h | H (m) | | | | | | |
|------------|-------|------|--------|------|-----------|----------|-----|-----|-----|-----|-----|-----|
| | KW | KW | HP | HP | | 0 | 0.6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 |
| MH60 2M | 0.5 | 0.37 | 0.5 | 0.5 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | |
| | | | | | 20 | 19 | 17 | 14 | 11 | 7 | 4 | |
| MH60 3M | 0.65 | 0.5 | 0.65 | 0.65 | 30 | 29 | 26 | 22 | 17 | 12 | 7 | |
| | | | | | 40 | 39 | 35 | 31 | 25 | 18 | 10 | |
| MH60 4M | 0.9 | 0.7 | 0.95 | 0.95 | 50 | 48 | 44 | 38 | 31 | 24 | 15 | |
| | | | | | 60 | 58 | 53 | 46 | 37 | 28 | 17 | |
| MH60 5M | 1.1 | 0.85 | 1.15 | 1.15 | 60 | 58 | 53 | 46 | 37 | 28 | 17 | |
| | | | | | 60 | 58 | 53 | 46 | 37 | 28 | 17 | |
| MH60 6M | 1.3 | 1.0 | 1.3 | 1.3 | 60 | 58 | 53 | 46 | 37 | 28 | 17 | |
| | | | | | 60 | 58 | 53 | 46 | 37 | 28 | 17 | |

Q=FLOW RATE H=TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548

DIMENSION

| PUMP MODEL | Dn1 | Dn2 | DIMENSION [mm] | | | | | | | | | |
|------------|-----|-----|----------------|-----|-----|-----|------|-----|-----|-------|----|--|
| | | | a | f | h | h1 | h2 | n | n1 | w | s | |
| MH60 2M | 1" | 1" | 146 | 337 | 180 | 121 | 31.5 | 150 | 120 | 164 | 10 | |
| MH60 3M | 1" | 1" | 170.5 | 362 | 180 | 121 | 31.5 | 150 | 120 | 188.5 | 10 | |
| MH60 4M | 1" | 1" | 194.5 | 409 | 196 | 126 | 36.5 | 150 | 120 | 214.5 | 10 | |
| MH60 5M | 1" | 1" | 219 | 433 | 196 | 126 | 36.5 | 150 | 120 | 239 | 10 | |
| MH60 6M | 1" | 1" | 243.5 | 458 | 196 | 126 | 36.5 | 150 | 120 | 263.5 | 10 | |



| Item | Description | Material |
|------|-----------------------|--------------------------|
| 1 | Prime and drain plugs | Casting Brass |
| 2 | Suction mounting | Casting Iron |
| 3 | Pump housing | 304 stainless steel |
| 4 | Tie bolt | Nickel plated steel |
| 5 | Mechanical seal | Graphite-Silicon carbide |
| 6 | Discharge mounting | Casting Iron |
| 7 | Motor | Class F IPX5 |
| 8 | Shaft sleeve | Plastic bearing |
| 9 | Nut | 304 stainless steel |
| 10 | Prime cover | PPO GNF-20 |
| 11 | Diffuser | PPO GNF-20 |
| 12 | Impeller | PPO GNF-20 |
| 13 | Casing O-ring | EPDM |

