

60L/min

MV60 2-8 Stage Multistage Vertical Centrifugal Pump

APPLICATIONS: To work with clean water in domestic applications, irrigation, and hydro pneumatic sets.

Quiet running multistage centrifugal pump. Not very sensitive to the impurities.



PUMP

- Maximum **capacity:** 60l/min(3.6m³/h).
- **Head** up to 80m.
- **Temperature** of pumped liquid: 0-40°C.
- Maximum operating **pressure:** 9.0 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

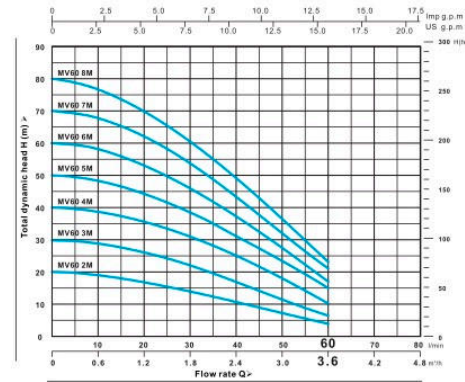
- **Suction/discharge mounting** in Casting Iron (Casting brass are availability).
- **Pump housing** in AISI 304 Stainless steel.
- **Diffuser** in PPO(Noryl®).
- **Impellers** in PPO(Noryl®)(AISI 304 Stainless steel are availability).
- **Motor shaft** in AISI 316 stainless steel (Carbon steel and 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 m ³ /h | H (m) | 0 | 0.6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 |
|------------|-------|------|------|--------|----|----|------------------------|----------|----|-----|-----|-----|-----|-----|-----|
| | KW | KW | HP | l/min | 0 | 10 | | | | | | | | | |
| MV60 2M | 0.5 | 0.37 | 0.5 | 20 | 19 | 17 | 14 | 11 | 7 | 4 | | | | | |
| MV60 3M | 0.65 | 0.5 | 0.65 | 30 | 29 | 26 | 22 | 17 | 12 | 7 | | | | | |
| MV60 4M | 0.9 | 0.7 | 0.95 | 40 | 39 | 35 | 31 | 25 | 18 | 10 | | | | | |
| MV60 5M | 1.1 | 0.85 | 1.15 | 50 | 48 | 44 | 38 | 31 | 24 | 15 | | | | | |
| MV60 6M | 1.3 | 1.0 | 1.3 | 60 | 58 | 53 | 46 | 37 | 28 | 17 | | | | | |
| MV60 7M | 1.6 | 1.2 | 1.6 | 70 | 68 | 62 | 53 | 43 | 32 | 21 | | | | | |
| MV60 8M | 1.8 | 1.4 | 1.85 | 80 | 77 | 70 | 60 | 49 | 37 | 23 | | | | | |

Q=FLOW RATE H=TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548

DIMENSION

| PUMP MODEL | Dn ₁ | Dn ₂ | DIMENSION [mm] | | | | | | | |
|------------|-----------------|-----------------|----------------|----------------|----------------|-----|----------------|----------------|-----|----|
| | | | h | h ₁ | h ₂ | n | n ₁ | n ₂ | m | s |
| MV60 2M | 1" | 1" | 344 | 153 | 33.5 | 195 | 122 | 122 | 173 | 10 |
| MV60 3M | 1" | 1" | 368.5 | 177.5 | 33.5 | 195 | 122 | 122 | 173 | 10 |
| MV60 4M | 1" | 1" | 428 | 210 | 30.5 | 205 | 122 | 122 | 176 | 10 |
| MV60 5M | 1" | 1" | 452.5 | 234.5 | 30.5 | 205 | 122 | 122 | 176 | 10 |
| MV60 6M | 1" | 1" | 477 | 259 | 30.5 | 205 | 122 | 122 | 176 | 10 |
| MV60 7M | 1" | 1" | 523 | 285.5 | 32.5 | 237 | 135 | 135 | 200 | 12 |
| MV60 8M | 1" | 1" | 547.5 | 310 | 32.5 | 237 | 135 | 135 | 200 | 12 |

| Item | Description | Material |
|------|--------------------------------|--------------------------|
| 1 | Suction and Discharge mounting | Casting Iron |
| 2 | Connect flange | Casting Iron |
| 3 | Front cover | PPO GNF-20 |
| 4 | Pump housing | 304 stainless steel |
| 5 | Tie bolt | Nickel plated steel |
| 6 | Mechanical seal | Graphite-Silicon carbide |
| 7 | Motor front cover | Casting Iron |
| 8 | Motor | Class F IPX5 |
| 9 | Prime and drain plugs | Casting Brass |
| 10 | Shaft sleeve | Plastic bearing |
| 11 | Nut | 304 stainless steel |
| 12 | Diffuser | PPO GNF-20 |
| 13 | Impeller | PPO GNF-20 |
| 14 | Casing O-ring | EPDM |

