



Limits of use

- Ambient temperature: Up to +40°C
- Liquid temperature: Up to +90°C
- PH value of liquid between 6.5-8.5
- Power: 50hz, single-phase 220v, three-phase 380v, fluctuated up and down 10%

Features

- The open impeller design allows the liquids containing relatively high levels of impurities to be pumped without the risk of the impeller clogging.
- The special design on this pump casing and impeller to assure relatively high flow.
- Little adjustment on the motor and impeller to make more choice and economy for the end-user.

Application

- Be used to deliver clean water without abrasive particles
- Be used to clean or cool machine tools with high pressure
- Be used to pump water for industrial or household use from the well
- Be used to boost water in a pressurization system

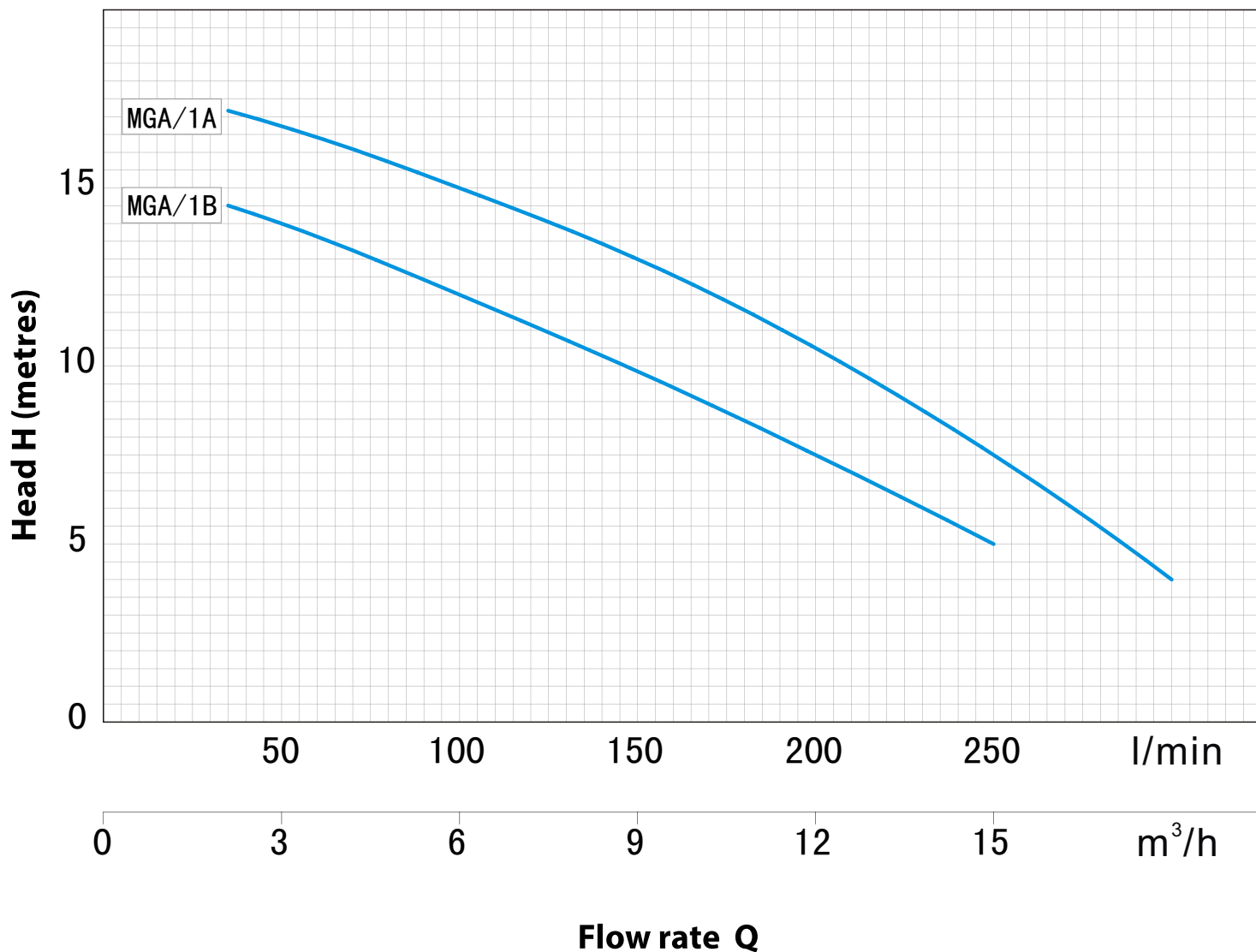
- The semi-open impeller centrifugal pump is suitable to deliver corrosive or sanitary liquids that contain small soft particles or fibers, but the liquid temperature shall not be over 90°C. So, it can be applied as a kind of chemical centrifugal pump.

Warranty

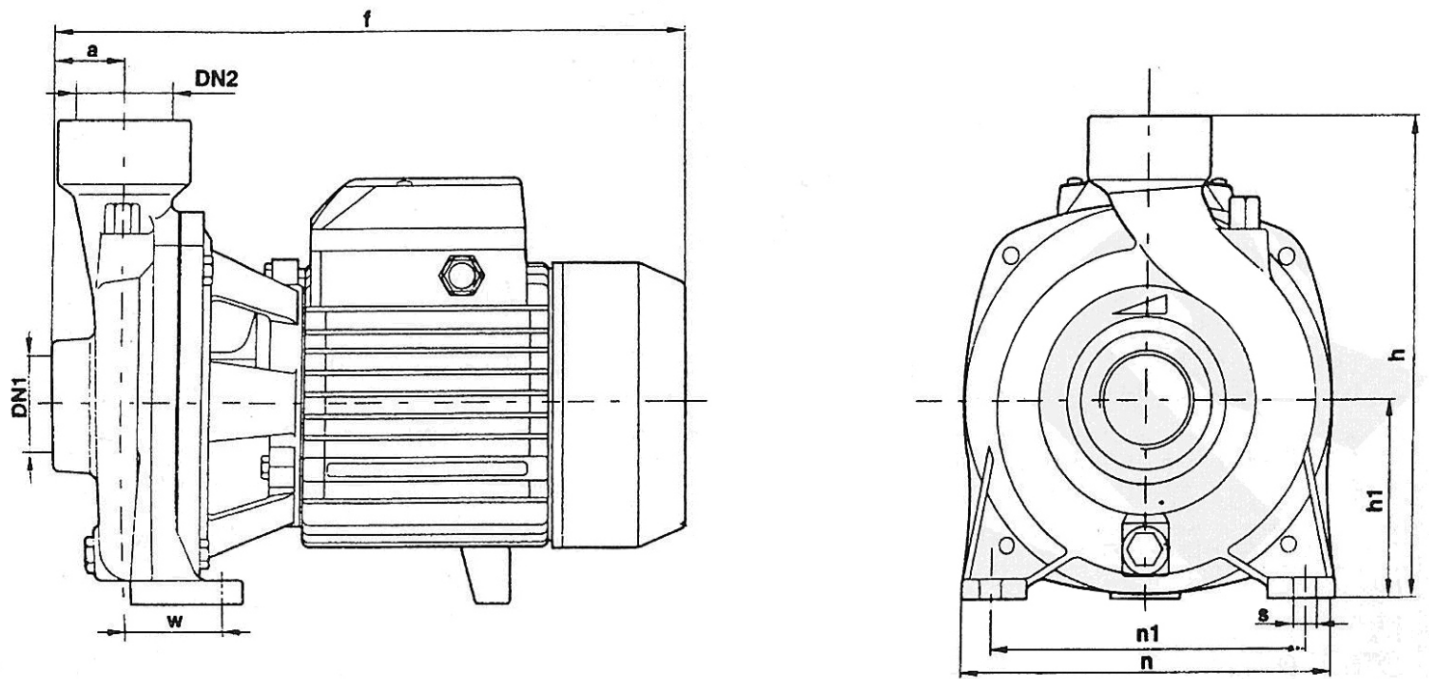
- 2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n=2850 rpm Hs=0 m

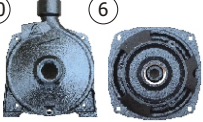





| Model | | Power | | Q | m ³ /h | 0 | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 18.0 |
|--------------|-------------|-------|-----|--------|-------------------|------|------|-----|-----|-----|------|------|------|------|------|------|
| Single-phase | Three-phase | kW | HP | | l/min | 0 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 |
| MGA/1A | MG/1A | 0.75 | 1 | H m | 18 | 16.7 | 15.9 | 15 | 14 | 13 | 11.8 | 10.5 | 9 | 7.5 | 4 | |
| MGA/1B | MG/1B | 0.6 | 0.8 | | 16 | 14 | 13 | 12 | 11 | 9.8 | 8.7 | 7.5 | 6.3 | 5 | | |



| Model | | Openings | | Dimensions(mm) | | | | | | | |
|--------------|-------------|----------|--------|----------------|-----|-----|----|-----|-----|----|----|
| Single-phase | Three-phase | DN1 | DN2 | a | f | h | h1 | n | n1 | w | s |
| MGA/1A | MG/1A | 1 1/2" | 1 1/2" | 39 | 295 | 231 | 92 | 192 | 160 | 52 | 10 |
| MGA/1B | MG/AB | 1 1/2" | 1 1/2" | 39 | 295 | 231 | 92 | 192 | 160 | 52 | 10 |

| Model | Piece | GW(kg) | NW(kg) | Volume(m ³) | L(cm) | W(cm) | H(cm) |
|--------|-------|--------|--------|-------------------------|-------|-------|-------|
| MGA/1A | 1 | 14.4 | 13.9 | 0.017 | 33.0 | 20.0 | 26.5 |
| MGA/1B | 1 | 14 | 13.5 | 0.017 | 33.0 | 20.0 | 26.5 |

| POS. COMPONENT | ADVANTAGE |
|---|--|
| <p>⑩ ⑥</p>  <p>Electrophoretic paint pump casing and support</p> | <p>• <u>Anti-rust system</u></p> <p>a. Use electrophoretic paint to prevent rust or jam b. To provide cleaner water c. To ensure long using-life</p> |
| <p>⑧</p>  <p>Brass impeller</p> | <p>• <u>Thermostability system</u></p> <p>a. Capacitor with 85°C high temperature film b. Can be used under sun exposure c. Can be used under high temperature environment</p> |
| <p>⑭</p>  <p>85mm Rotor with shaft (stainless steel shaft)</p> | <p>• <u>Powerful motor system</u></p> <p>a. To ensure the high power and lowest temperature rise b. Using thermal protection device to protect the motor c. Big flow and long using-life d. Wide voltage rang design motor can be used under 170 - 250 V</p> |
| <p>⑫</p>  <p>Z4 class bearing</p> | <p>• <u>Low noise system</u></p> <p>a. Using Z4 class bearing to ensure lowest noise b. To ensure long using-life</p> |

