

Pump application:

These small peripheral pumps, despite their size, are capable of delivering high heads. The brass stamped turbine can handle high water temperatures and is great for pressure boosting. Rugged metal casing, stainless steel shafts and non corrosive internals make this a solid, small to medium domestic pump. These pumps are best used with a flooded suction.

Performance data:

Performance curves are based on a kinematic viscosity value of $1\text{mm}^2/\text{s}$ and a density of $1000\text{Kg}/\text{m}^3$ at 20°C .

- Flow rates up to $3.5\text{m}^3/\text{h}$.
- Heads up to 70m.
- Fluids must be clean and free from suspended abrasive particles.
- Maximum fluid temperature: $+60^\circ\text{C}$.
- Maximum ambient temperature: $+40^\circ\text{C}$.
- Rotational speed: 2900rpm.

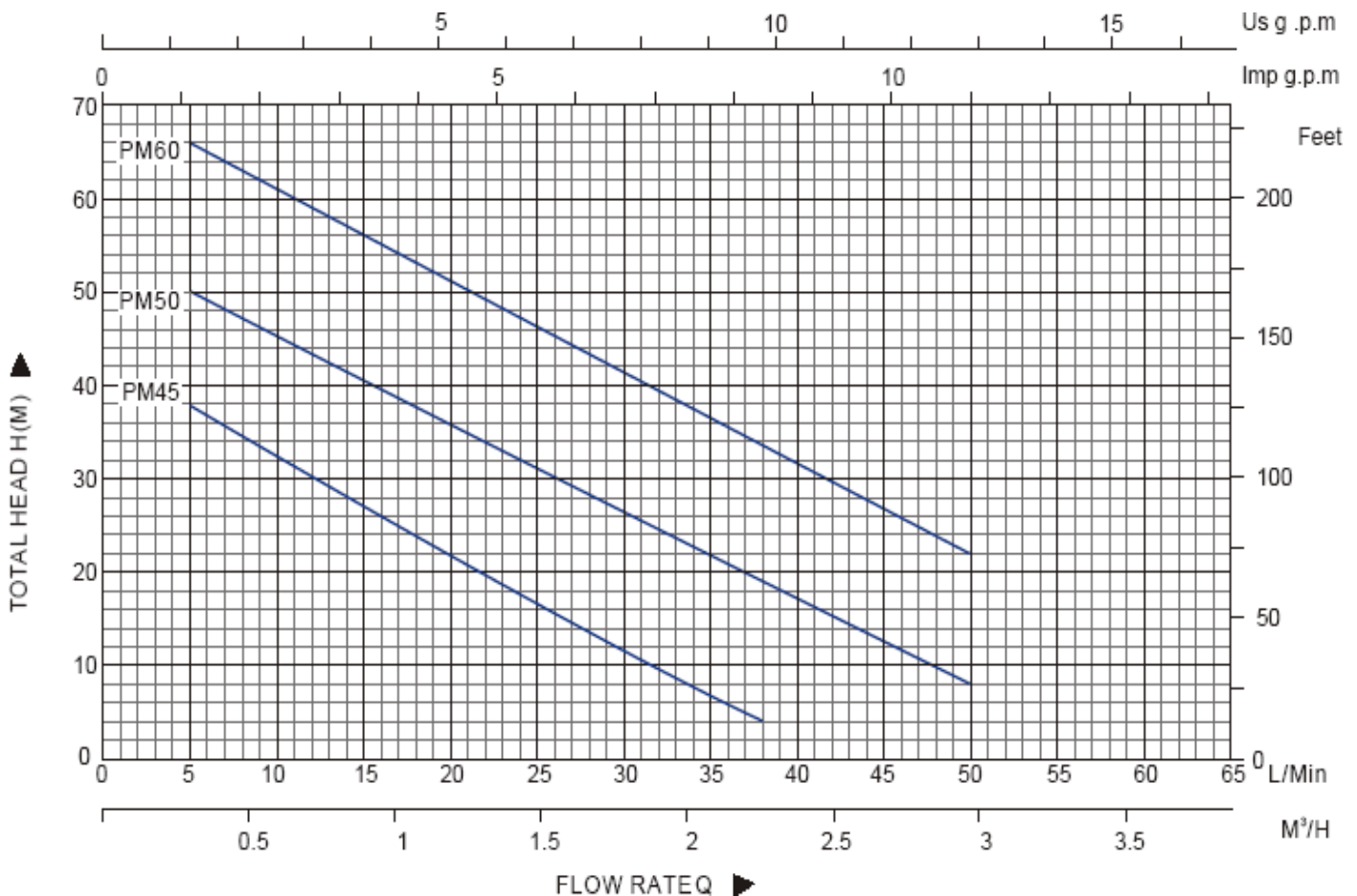
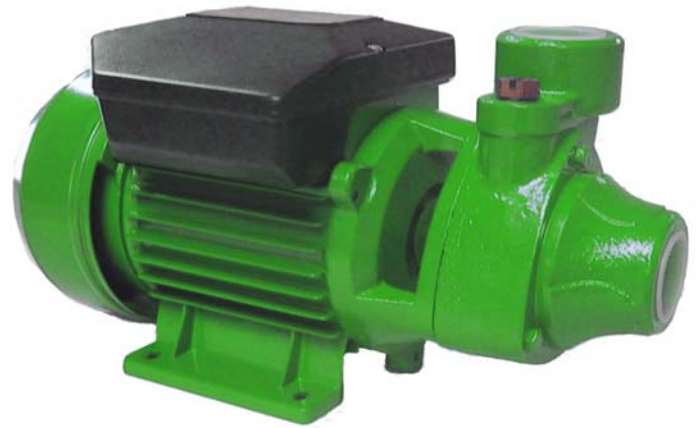
Motor:

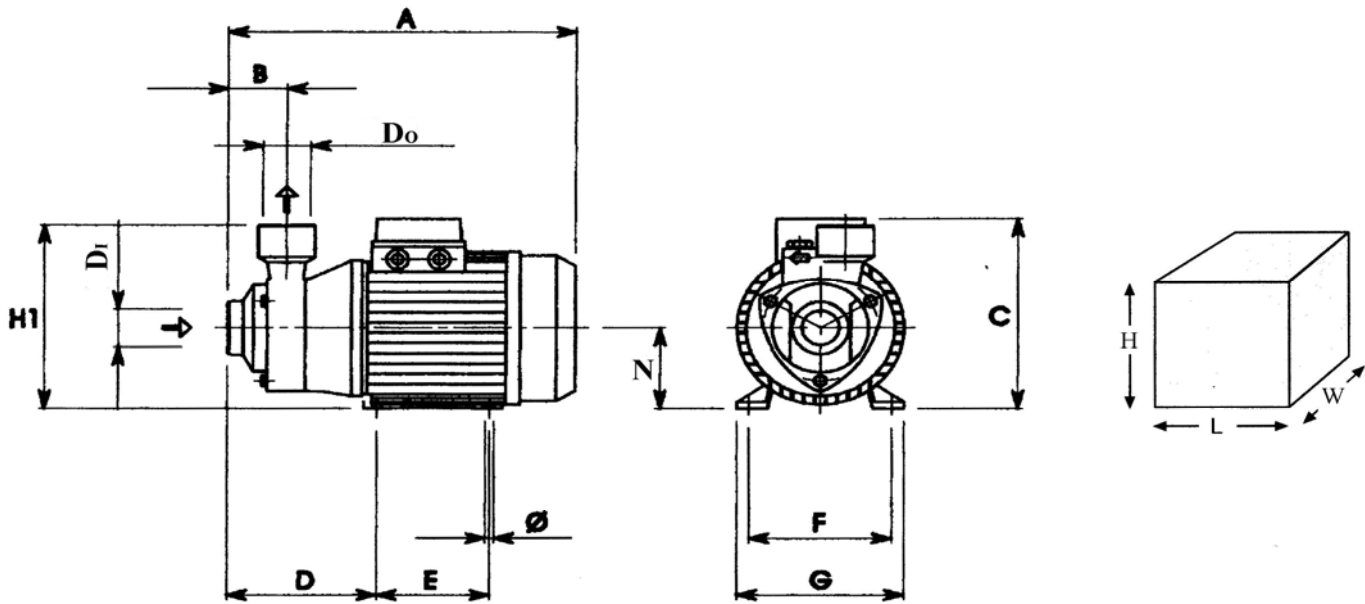
The driving motor is an asynchronous, closed squirrel cage type, with external ven

- With in-built thermo-amperometric protection and capacitor.
- Class of insulation: F - service: S1.
- Degree of protection: IP44.

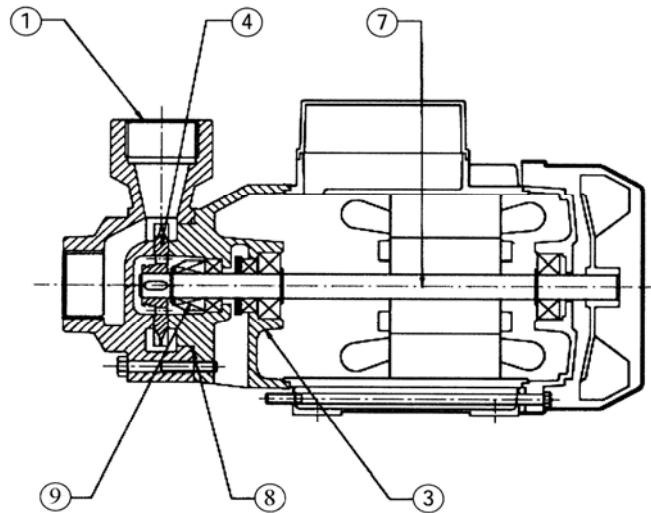
Installation:

The pump is to be installed in a horizontal position for both fixed and portable plants. These pumps must not be used in situations where there are long breaks between operation such as seasonal use in holiday homes etc, as minor internal corrosion can lead to a tendency for the impeller to stick.





| PUMP MODEL | POWER | | | | A | B | C | D | E | F | G | Ø | N | D _i | D _o | PACKING | | | WEIGHT |
|------------|-------|------|-----|-------|-----|----|-----|-----|----|-----|-----|---|----|----------------|----------------|---------|-----|-----|--------|
| | Kw | HP | v | POLES | | | | | | | | | | | | L | W | H | |
| PM45 | 0.375 | 0.5 | 240 | 2 | 255 | 55 | 145 | 115 | 70 | 100 | 118 | 6 | 63 | 1" | 1" | 280 | 150 | 180 | 5.8 |
| PM50 | 0.5 | 0.75 | 240 | 2 | 310 | 55 | 176 | 130 | 90 | 111 | 135 | 6 | 71 | 1" | 1" | 340 | 180 | 200 | 8.6 |
| PM60 | 0.75 | 1.0 | 240 | 2 | 310 | 55 | 176 | 130 | 90 | 112 | 135 | 6 | 72 | 1" | 1" | 340 | 180 | 200 | 9.5 |



| ITEM NUM | PART NUMBER | | | DESCRIPTION | MATERIAL |
|----------|-------------|--------|--------|-----------------------|------------------|
| | PM45 | PM50 | PM60 | | |
| 1 | PM45-1 | PM50-1 | PM60-1 | Pump body | Cast iron |
| 3 | PM45-2 | PM50-2 | PM60-2 | Motor support bracket | Cast iron |
| 4 | PM45-3 | PM50-3 | PM60-3 | Impeller | Brass |
| 7 | PM45-4 | PM50-4 | PM60-4 | Shaft and rotor | Stainless steel |
| 8 | PM45-5 | PM50-5 | PM60-5 | Ring Gasket | Nitrile |
| 9 | PM45-6 | PM50-6 | PM60-6 | Mechanical seal | Carbon / ceramic |