

AQUAGREEN WATER PUMP



HCm158



HCm180/190/200



### Application

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made.

As a result of their reliability and the fact that they are easy to use, these pumps are widely used in domestic and civil applications such as the distribution of water in combination with small and medium sized pressure sets, for transferring liquids and for the irrigation of gardens and allotments. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

### Operating conditions

- ※ Liquid temperature up to **60°C**
- ※ Ambient temperature up to **40°C**
- ※ Total suction lift up to **8m**

### Motor

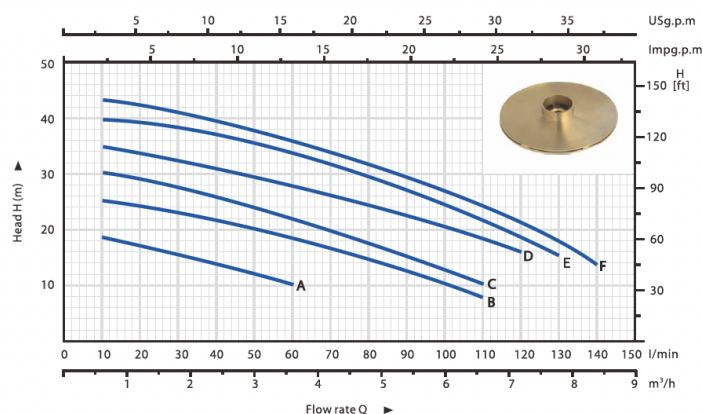
- ※ Two-pole induction motor(n=2850 r.p.m)
- ※ Insulation **Class B**
- ※ Protection **IP44**
- ※ Continuous service **S1**
- ※ Thermal protector for single phase
- ※ Single-phase 220V/50Hz, 60Hz if request
- ※ Three-phase 380V/50Hz, 60Hz if request

### Component

- ※ **Pump body:** Cast iron
- ※ **Pump support:** Cast iron
- ※ **Motor housing:** Aluminum
- ※ **Impeller:** Brass
- ※ **Motor shaft:** Carbon steel, AISI304 SS if request
- ※ **Mechanical seal:** Ceramic/Graphite

### Construction

### PERFORMANCE CHART AT n=2850RPM



| NO. | MODEL  | INLET/OUTLET | N.W  | L x W x H   |
|-----|--------|--------------|------|-------------|
|     |        | (Inch)       | (Kg) | (mm)        |
| A   | HCm130 | 1" x 1"      | 8.5  | 277×188×245 |
| B   | HCm146 | 1" x 1"      | 11.5 | 318×195×250 |
| C   | HCm158 | 1" x 1"      | 13.5 | 325×213×268 |
| D   | HCm180 | 1" x 1"      | 20   | 370×255×320 |
| E   | HCm190 | 1" x 1"      | 21   | 370×255×320 |
| F   | HCm200 | 1" x 1"      | 20   | 370×255×320 |

| NO. | MODEL  | POWER |      | Q(m³/h) | Q(l/min) | 0    | 0.6 | 1.2  | 1.8  | 2.4 | 3    | 3.6  | 4.2  | 4.8  | 5.4  | 6    | 6.6  | 7.2 | 7.8 | 8.4 |
|-----|--------|-------|------|---------|----------|------|-----|------|------|-----|------|------|------|------|------|------|------|-----|-----|-----|
|     |        | kW    | HP   |         |          | 0    | 10  | 20   | 30   | 40  | 50   | 60   | 70   | 80   | 90   | 100  | 110  | 120 | 130 | 140 |
| A   | HCm130 | 0.37  | 0.5  | H       | 20       | 18.5 | 17  | 15.5 | 14   | 12  | 10   |      |      |      |      |      |      |     |     |     |
| B   | HCm146 | 0.55  | 0.75 |         | 26       | 25   | 24  | 23   | 21.5 | 20  | 18.5 | 17   | 15   | 13   | 10.5 | 7.5  |      |     |     |     |
| C   | HCm158 | 0.75  | 1    |         | 32       | 30.5 | 29  | 27.5 | 25.8 | 24  | 22.5 | 20.5 | 18.5 | 16   | 13   | 10   |      |     |     |     |
| D   | HCm180 | 1.1   | 1.5  |         | 36       | 35   | 34  | 33   | 31.5 | 30  | 28.5 | 26.5 | 25   | 23   | 20.5 | 18   | 15.5 |     |     |     |
| E   | HCm190 | 1.5   | 2    |         | 41       | 40   | 39  | 38   | 36.5 | 35  | 33.5 | 32   | 30   | 27.5 | 25   | 22   | 18.5 | 15  |     |     |
| F   | HCm200 | 2.2   | 3    |         | 44       | 43   | 42  | 41   | 39.5 | 38  | 36   | 34   | 32   | 29.5 | 26.5 | 23.5 | 20.5 | 17  | 14  |     |