

IDROGO

APPLICATIONS

5" submersible centrifugal multi-stage pump made of stainless steel AISI 304 and noryl, suitable for the movement of clean water from wells, tanks for irrigation systems. The double mechanical seal ensures long life and improved reliability. There is no need for a starter box as the capacitors are installed in the pumping unit allowing a neater installation.

MATERIALS

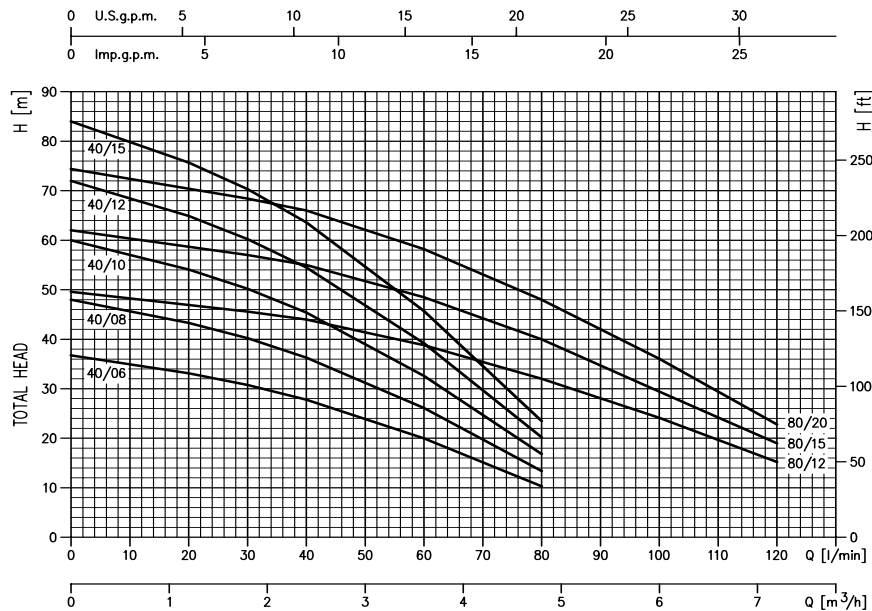
- External casing, motor casing, casing cover and closing ring in AISI 304
- Impeller, diffuser and spacer in technopolymer
- Shaft in AISI 416
- Upper mechanical seal in carbon/ceramic/NBR, lower mechanical seal in SiC/SiC/NBR

SPECIFICATIONS

- Maximum working pressure : 10 bar
- Maximum liquid temperature : 35°C according EN 60335-2-41 for domestic uses
40°C for other uses
- Installation : Horizontal and vertical position
- Maximum immersion : 20 mts

TECHNICAL DATA

- 2 pole motor cooled by the pumped liquid
- Insulation : Class F
- Protection degree : IP68
- 1~230V ±10% 50Hz, 3~400V ±10% 50Hz
- Permanent split capacitor and automatic thermal overload protection for single-phase version
- Thermal protection to be provided by the user for three-phase version
- DNM 1"1/4


PERFORMANCE TABLE

| Pump type | | kW | Capacitor | | Absorbed Current (A) | | Q=Capacity | Q=Capacity | | | | | | |
|---------------------------|--------------------------|------|-----------|----------------|----------------------|------------|--------------|---------------|------|------|------|------|------|------|
| Single-phase 230V 50Hz | Three-phase 400V 50Hz | | µF | V _c | 1~ | 3~ 400V | | l/min m³/h | 20 | 30 | 40 | 60 | 80 | 100 |
| | | | | | | | H=Total head | | | | | | | |
| IDROGO M 40/06 | - | 0,45 | 16 | 450 | 3,8 | - | | 33,1 | 30,8 | 27,8 | 20 | 10,3 | - | - |
| IDROGO M 40/08 | IDROGO 40/08 | 0,6 | 20 | 450 | 4,3 | 1,9 | | 43,3 | 40,2 | 36,3 | 26,1 | 13,4 | - | - |
| IDROGO M 40/10 | IDROGO 40/10 | 0,75 | 20 | 450 | 5,7 | 2,2 | | 54,1 | 50,2 | 45,4 | 32,6 | 16,8 | - | - |
| IDROGO M 40/12 | IDROGO 40/12 | 0,9 | 20 | 450 | 6,8 | 2,4 | | 64,9 | 60,2 | 54,5 | 39,2 | 20,2 | - | - |
| IDROGO M 40/15 | IDROGO 40/15 | 1,1 | 31,5 | 450 | 7,3 | 3,0 | | 75,7 | 70,3 | 63,6 | 45,7 | 23,5 | - | - |
| IDROGO M 80/12 | IDROGO 80/12 | 0,9 | 20 | 450 | 6,4 | 2,3 | | - | 45,6 | 44 | 38,8 | 32 | 23,2 | 15,2 |
| IDROGO M 80/15 | IDROGO 80/15 | 1,1 | 31,5 | 450 | 7,5 | 3,1 | | - | 57 | 55 | 48,5 | 40 | 28 | 19 |
| - | IDROGO 80/20 | 1,5 | - | - | - | 3,5 | | - | 68,4 | 66 | 58,2 | 48 | 34,8 | 22,8 |