

5" SUBMERSIBLE CENTRIFUGAL MULTISTAGE PUMPS

5" submersible centrifugal multistage 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.



SPECIFICATIONS

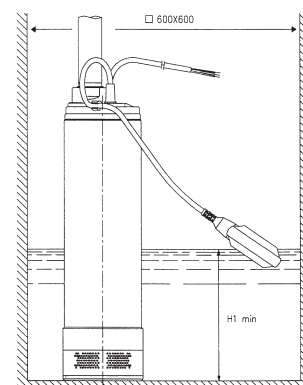
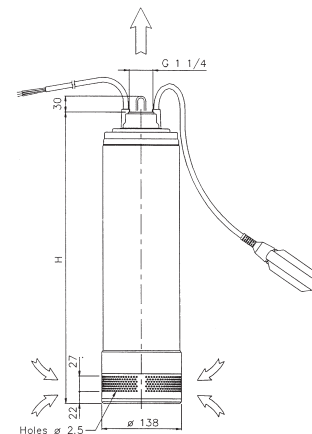
- Maximum working pressure: 10 bar
- Maximum liquid temperature: 40°C
- Installation: in horizontal and vertical position
- Maximum immersion: 20 m
10 m with float switch

MATERIALS

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

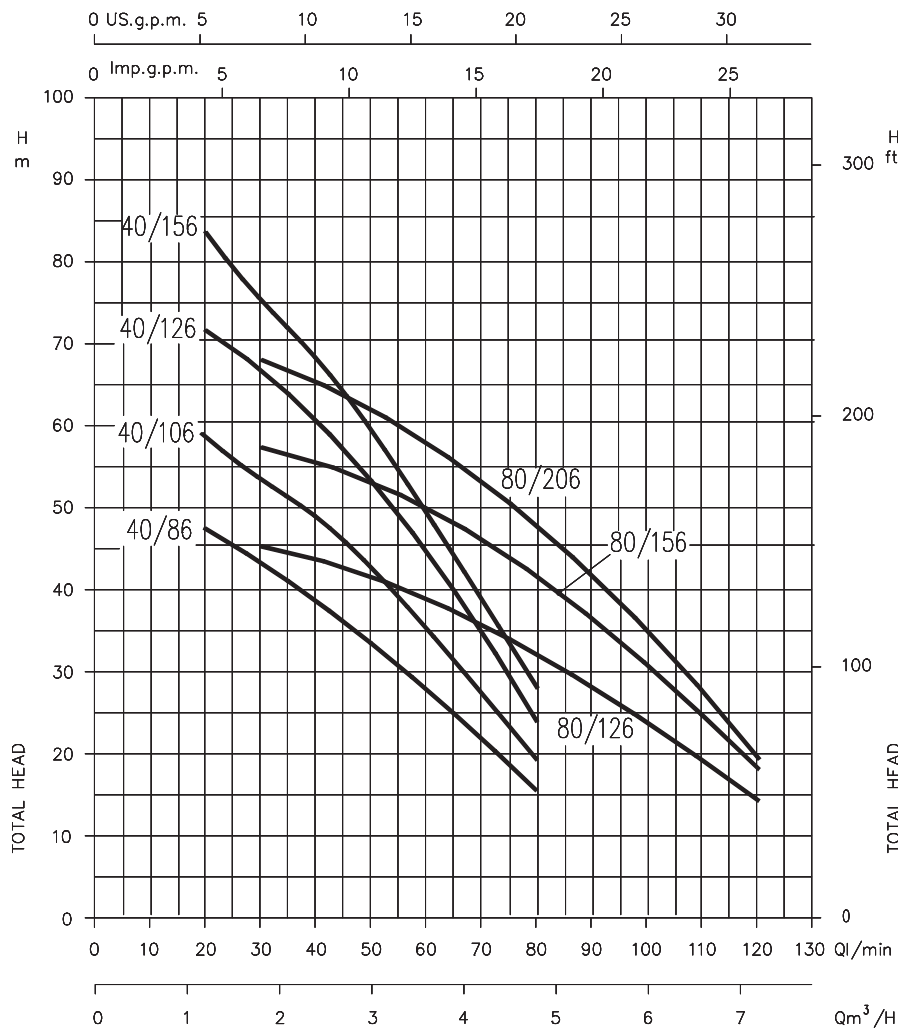
TECHNICAL DATA

- Asynchronous 2 poles motor cooled by the pumped liquid
- Insulation class F
- Protection degree IP 68
- Single-phase standard voltage: 220-230V $\pm 6\%$
- Three-phase standard voltage: 380V -6% + 10%
- 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^{3/4}



| Pump type | Dimensions | | Weight [kg] | |
|---------------|------------|---------|-------------|----|
| | H [mm] | H1 [mm] | 1~ | 3~ |
| IDROGO 40/86 | 513 | 250 | 15 | 15 |
| IDROGO 40/106 | 539 | 275 | 16 | 16 |
| IDROGO 40/126 | 590 | 300 | 17 | 17 |
| IDROGO 40/156 | 616 | 325 | 18 | 18 |
| IDROGO 80/126 | 540 | 250 | 16 | 16 |
| IDROGO 80/156 | 564 | 275 | 17 | 17 |
| IDROGO 80/206 | 590 | 300 | - | 18 |

PERFORMANCE CURVES (according to ISO 9906 Annex A)



PERFORMANCE TABLE

| Pump type | | Output | | Absorbed current [A] | | Q=Capacity | | | | | | | | |
|------------------------------------|-------------------------------|--------|-----|----------------------|----------------|------------|------|------|------|------|------|------|------|-----|
| Single-Phase 220-230 V 60 Hz | Three-Phase 380 V 60 Hz | kW | HP | Single Phase | Three Phase | l/min | 0 | 20 | 30 | 40 | 60 | 80 | 100 | 120 |
| | | | | | | m³/h | 0 | 1,2 | 1,8 | 2,4 | 3,6 | 4,8 | 6,0 | 7,2 |
| H=Total manometric head in meters | | | | | | | | | | | | | | |
| IDROGO M40/86 | IDROGO 40/86 | 0,6 | 0,8 | 5 | 1,7 | 53 | 47,5 | 42,8 | 39,5 | 28,5 | 15,5 | - | - | - |
| IDROGO M40/106 | IDROGO 40/106 | 0,75 | 1 | 5,9 | 2 | 66 | 59 | 52,6 | 48 | 35 | 19,2 | - | - | - |
| IDROGO M40/126 | IDROGO 40/126 | 0,9 | 1,2 | 7,1 | 2,3 | 80 | 71,5 | 65,5 | 60,5 | 44,2 | 23,8 | - | - | - |
| IDROGO M40/156 | IDROGO 40/156 | 1,1 | 1,5 | 8,1 | 2,7 | 93 | 83,5 | 74,9 | 67,5 | 49 | 27,8 | - | - | - |
| IDROGO M80/126 | IDROGO 80/126 | 0,9 | 1,2 | 6,4 | 2,1 | 48,5 | - | 45 | 43 | 38,5 | 32 | 23,2 | 14 | - |
| IDROGO M80/156 | IDROGO 80/156 | 1,1 | 1,5 | 7,2 | 2,5 | 59,5 | - | 57 | 55 | 48,7 | 40 | 29,5 | 17,8 | - |
| - | IDROGO 80/206 | 1,5 | 2 | - | 2,7 | 73,5 | - | 67,5 | 64,9 | 57 | 47,1 | 33,9 | 19 | - |