

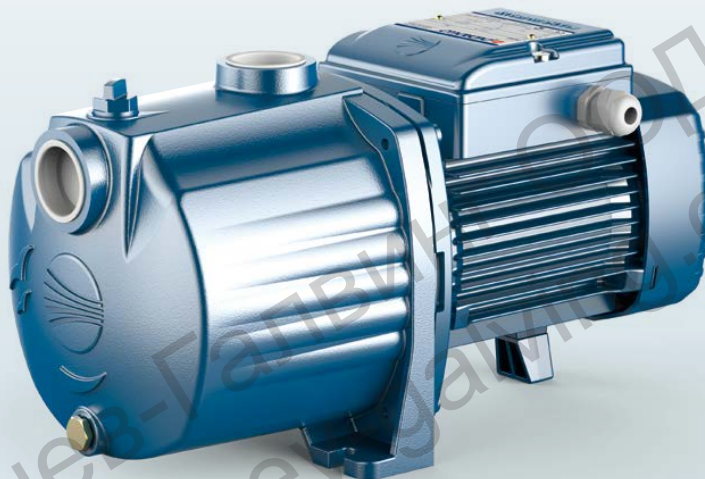
Помпа центробежна многостъпална Pedrollo 3CPm 100



2-4CP

Multi-stage centrifugal pumps

-  Clean water
-  Domestic use



PERFORMANCE RANGE

- Flow rate up to **130 l/min** (7.8 m³/h)
- Head up to **52 m**

APPLICATION LIMITS

- Manometric suction lift up to **7 m**
- Liquid temperature between **-10 °C** and **+40 °C**
- Ambient temperature up to **+40 °C**
- Max. working pressure **6 bar**
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

EN 60335-1
IEC 60335-1
CEI 61-150

EN 60034-1
IEC 60034-1
CEI 2-3



CERTIFICATIONS

Company with management system certified DNV
ISO 9001: QUALITY

INSTALLATION AND USE

Suitable for use with clean water and with liquids that are not chemically aggressive towards the materials from which the pump is made. As a result of their quietness, these pumps are widely used in domestic applications such as the distribution of water in combination with small and medium sized pressure tanks, and for the irrigation of gardens and orchards, etc.

The pump should be installed in an enclosed environment or sheltered from inclement weather.

PATENTS - TRADE MARKS - MODELS

- Registered EU Design n. 002073635-0001

OPTIONS AVAILABLE ON REQUEST

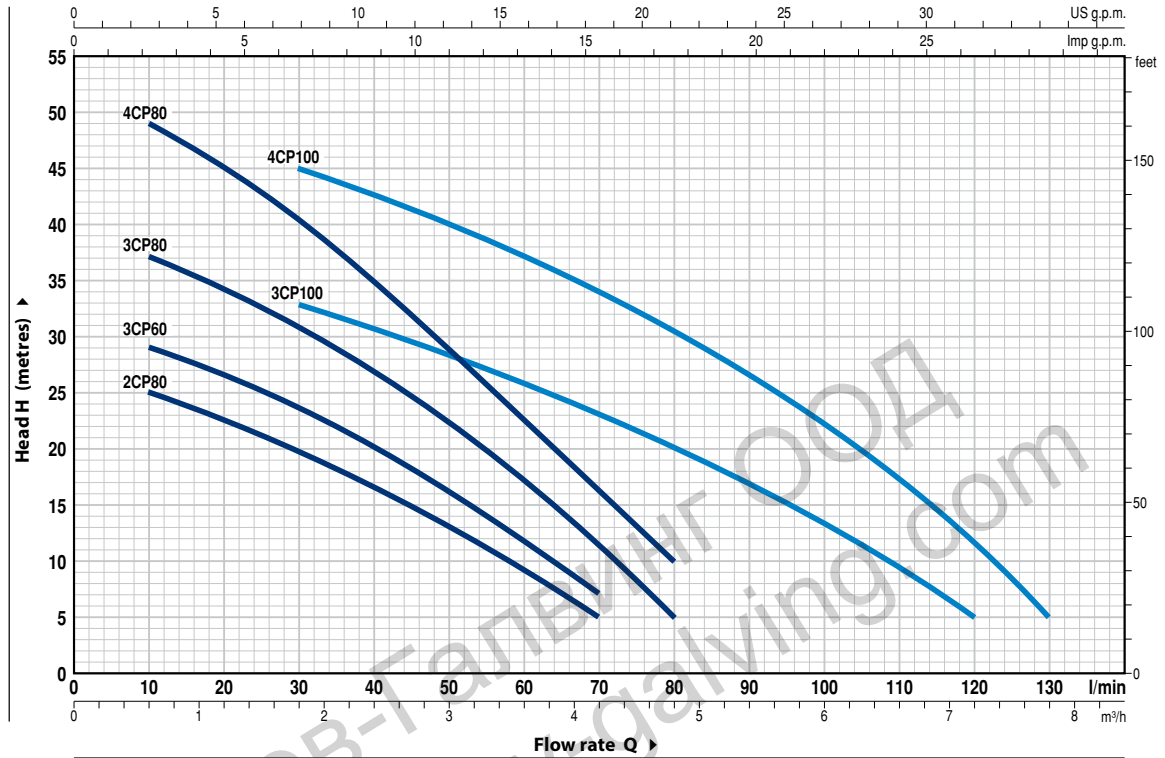
- Other voltages

GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

60 Hz n= 3450 min⁻¹ HS= 0 m



| MODEL | | POWER (P ₂) | | Q | H metres | | | | | | | | | | | | | | | | | | |
|--------------|-------------|-------------------------|------|-----|----------|----|-----|-----|------|------|------|------|------|------|-----|-----|------|------|------|-----|-----|-----|--|
| Single-phase | Three-phase | kW | HP | | ▲ | 0 | 0.3 | 0.6 | 0.9 | 1.2 | 1.5 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.2 | 7.8 | |
| | | | | | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | | |
| 2CPm 80 | 2CP 80 | 0.37 | 0.50 | IE2 | 27 | 26 | 25 | 24 | 22.5 | 21 | 20 | 16.5 | 13 | 9 | 5 | | | | | | | | |
| 3CPm 60 | 3CP 60 | 0.37 | 0.50 | | 30 | 30 | 29 | 28 | 26.5 | 25 | 23.5 | 20 | 16 | 11.5 | 7 | | | | | | | | |
| 3CPm 80 | 3CP 80 | 0.45 | 0.60 | | 40 | 38 | 37 | 36 | 34.5 | 33 | 31 | 27 | 22.5 | 17 | 11 | 5 | | | | | | | |
| 4CPm 80 | 4CP 80 | 0.55 | 0.75 | | 52 | 50 | 49 | 47 | 44.5 | 42 | 40 | 34 | 28.5 | 22.5 | 16 | 10 | | | | | | | |
| 3CPm 100 | 3CP 100 | 0.55 | 0.75 | | IE2 | 38 | 37 | 36 | 35 | 34.5 | 33.5 | 33 | 31 | 28 | 26 | 23 | 20 | 17 | 13.5 | 10 | 5 | | |
| 4CPm 100 | 4CP 100 | 0.75 | 1 | | IE3 | 50 | 50 | 49 | 48 | 47 | 46 | 45 | 42 | 39.5 | 37 | 34 | 30.5 | 26.5 | 22 | 17 | 11 | 5 | |

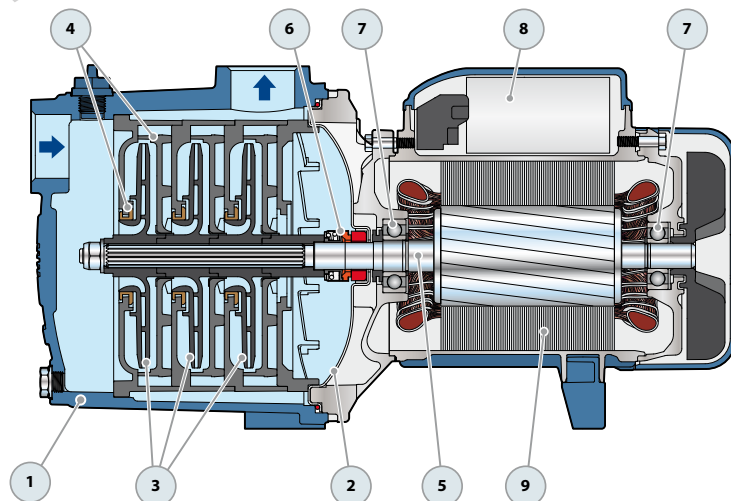
Q = Flow rate H = Total manometric head HS = Suction height

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

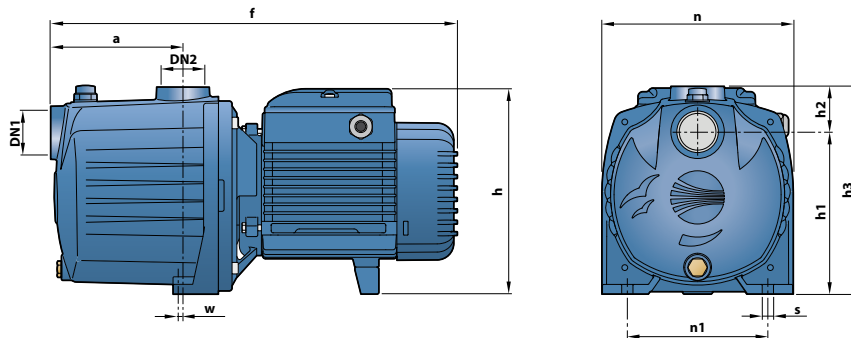
▲ Performance class of the three-phase motor (IEC 60034-30-1)

2-4CP

| POS. | COMPONENT | CONSTRUCTION CHARACTERISTICS | | | | | |
|------|------------------------|---|-------------------------------|-------------------------|------------------------|------------------|--|
| 1 | PUMP BODY | Cast iron with an Epoxy Electro Coating treatment, with threaded ports in compliance with ISO 228/1 | | | | | |
| 2 | BODY BACKPLATE | Stainless steel AISI 304 | | | | | |
| 3 | IMPELLERS | Noryl FE1520PW | | | | | |
| 4 | DIFFUSERS | Noryl complete with anti-wear ring | | | | | |
| 5 | MOTOR SHAFT | Stainless steel EN 10088-3 - 1.4104 | | | | | |
| 6 | MECHANICAL SEAL | <i>Seal</i> | <i>Shaft</i> | <i>Materials</i> | | | |
| | | <i>Model</i> | <i>Diameter</i> | <i>Stationary ring</i> | <i>Rotational ring</i> | <i>Elastomer</i> | |
| | | AR-13 | Ø 13 mm | Ceramic | Graphite | NBR | |
| 7 | BEARINGS | <i>Pump</i> | <i>Model</i> | | | | |
| | | 2CP 80 | | | | | |
| | | 3CP 60 | | | | | |
| | | 3CP 80 | 6202 ZZ - C3 / 6201 ZZ | | | | |
| | | 4CP 80 | | | | | |
| | | 3CP 100 | | | | | |
| 8 | CAPACITOR | <i>Pump</i> | <i>Capacitance</i> | | | | |
| | | <i>Single-phase</i> | <i>(220 V)</i> | <i>(110 V or 127 V)</i> | | | |
| | | 2CPm 80 | 10 µF - 450 VL | 25 µF - 250 VL | | | |
| | | 3CPm 60 | 12.5 µF - 450 VL | 25 µF - 250 VL | | | |
| | | 3CPm 80 | 12.5 µF - 450 VL | 25 µF - 250 VL | | | |
| | | 4CPm 80 | 14 µF - 450 VL | 25 µF - 250 VL | | | |
| | | 3CPm 100 | 20 µF - 450 VL | 60 µF - 300 VL | | | |
| | | 4CPm 100 | 20 µF - 450 VL | 60 µF - 300 VL | | | |
| 9 | ELECTRIC MOTOR | 2-4CPm: single-phase 220 V - 60 Hz with thermal overload protector incorporated into the winding. 2-4CP: three-phase 220/380 V - 60 Hz or 220/440 V - 60 Hz. → The three-phase pumps are fitted with high performance motors up to P2=0.55 kW in class IE2 and from P2=0.75 kW in class IE3 (IEC 60034-30-1) – Insulation: class F – Protection: IP X4 | | | | | |



DIMENSIONS AND WEIGHT



| MODEL | | PORTS | | DIMENSIONS mm | | | | | | | | | | kg | |
|--------------|-------------|-------|-----|---------------|-----|------|------|------|------|------|-----|-----|---|-----|-----|
| Single-phase | Three-phase | DN1 | DN2 | a | f | h | h1 | h2 | h3 | n | n1 | w | s | 1~ | 3~ |
| 2CPm 80 | 2CP 80 | 1" | 1" | 85 | 313 | 172 | 134 | 38 | 172 | 158 | 116 | 1.5 | 9 | 8.5 | 8.5 |
| 3CPm 60 | 3CP 60 | | | | | | | | | | | | | 8.6 | 8.6 |
| 3CPm 80 | 3CP 80 | | | 110 | 338 | 191* | 10.0 | 10.0 | | | | | | | |
| 4CPm 80 | 4CP 80 | | | | | | | | 10.8 | 10.2 | | | | | |
| 3CPm 100 | 3CP 100 | | | | | | | | 10.7 | 10.0 | | | | | |
| 4CPm 100 | 4CP 100 | | | | | | | | 13.2 | 13.2 | | | | | |

(*) h=210 mm for single phase versions at 110 V

ABSORPTION

| MODEL | | | VOLTAGE | | | MODEL | | | | VOLTAGE | | | |
|--------------|-------|--------|---------|-------------|-------|-------|-------|-------|--|---------|--|--|--|
| Single-phase | 220 V | 110 V | 127 V | Three-phase | 220 V | 380 V | 220 V | 440 V | | | | | |
| 2CPm 80 | 2.5 A | 5.0 A | 4.7 A | 2CP 80 | 1.7 A | 1.0 A | 1.7 A | 1.0 A | | | | | |
| 3CPm 60 | 2.5 A | 5.0 A | 4.7 A | 3CP 60 | 1.7 A | 1.0 A | 1.7 A | 1.0 A | | | | | |
| 3CPm 80 | 3.4 A | 6.9 A | 6.2 A | 3CP 80 | 2.3 A | 1.3 A | 2.1 A | 1.3 A | | | | | |
| 4CPm 80 | 4.5 A | 9.0 A | 8.3 A | 4CP 80 | 3.0 A | 1.7 A | 2.6 A | 1.5 A | | | | | |
| 3CPm 100 | 5.0 A | 10.0 A | 9.5 A | 3CP 100 | 3.0 A | 1.7 A | 2.6 A | 1.5 A | | | | | |
| 4CPm 100 | 6.2 A | 12.2 A | 11.6 A | 4CP 100 | 4.5 A | 2.6 A | 4.1 A | 2.3 A | | | | | |

PALLETIZATION

| MODEL | | GROUPAGE | CONTAINER |
|--------------|-------------|----------|-----------|
| Single-phase | Three-phase | n. pumps | n. pumps |
| 2CPm 80 | 2CP 80 | 98 | 140 |
| 3CPm 60 | 3CP 60 | 98 | 140 |
| 3CPm 80 | 3CP 80 | 84 | 120 |
| 4CPm 80 | 4CP 80 | 84 | 120 |
| 3CPm 100 | 3CP 100 | 84 | 120 |
| 4CPm 100 | 4CP 100 | 84 | 108 |