



PERFORMANCE RANGE

- Flow rate up to **250 l/min** (15 m³/h)
- Head up to **57 m**

APPLICATION LIMITS

- Manometric suction lift up to **7 m**
- Liquid temperature between **-10 °C** and **+90 °C**
- Ambient temperature between **-10 °C** and **+40 °C**
- Max. working pressure **10 bar**
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

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



CERTIFICATIONS



INSTALLATION AND USE

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. The pumps in this series are specifically intended for use in the civil, industrial and agricultural sectors where their overriding characteristics of sturdiness and reliability are best appreciated. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

OPTIONALS AVAILABLE ON REQUEST

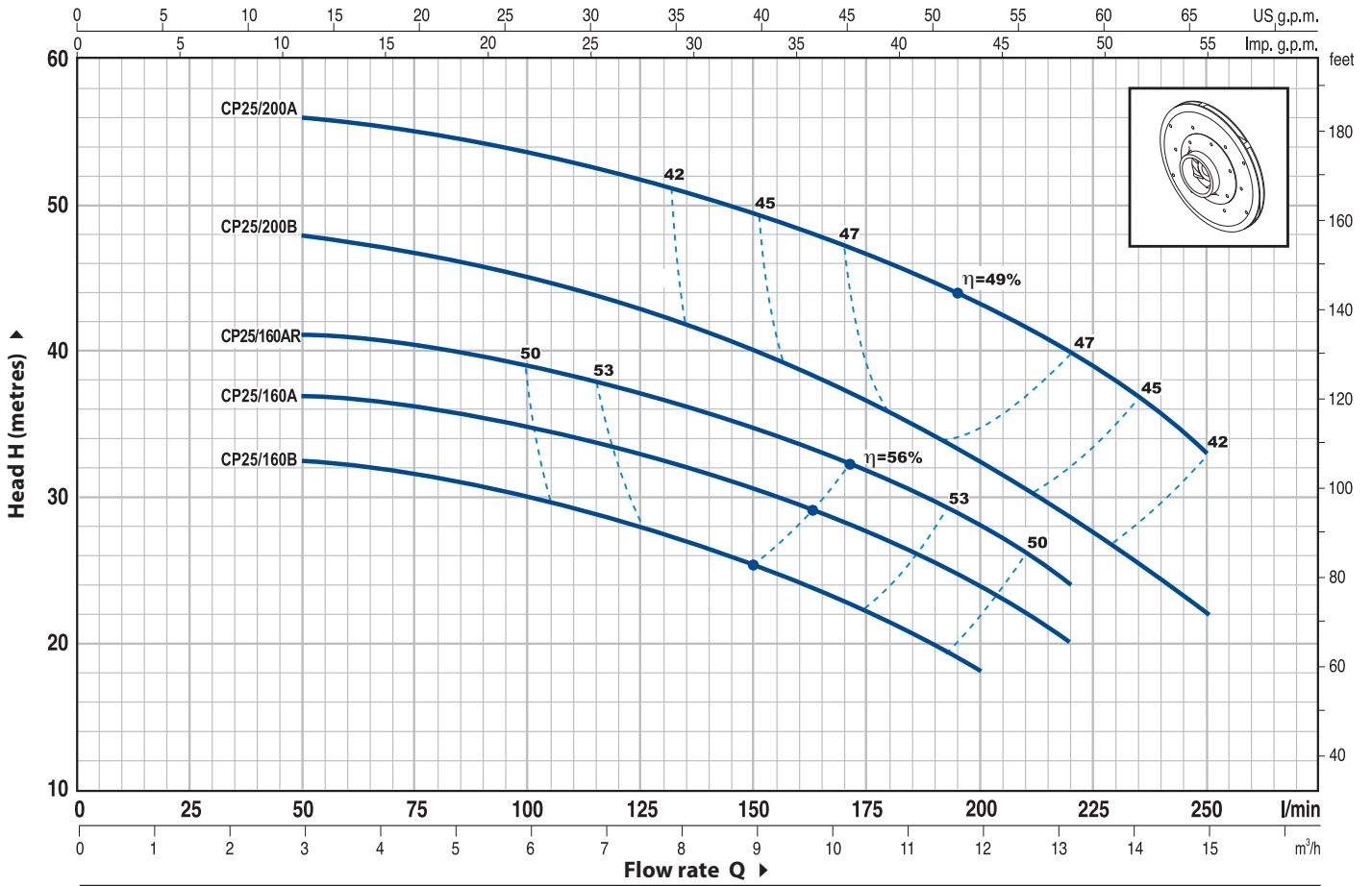
- Special mechanical seal
- Other voltages or 60 Hz frequency

GUARANTEE

1 year subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m

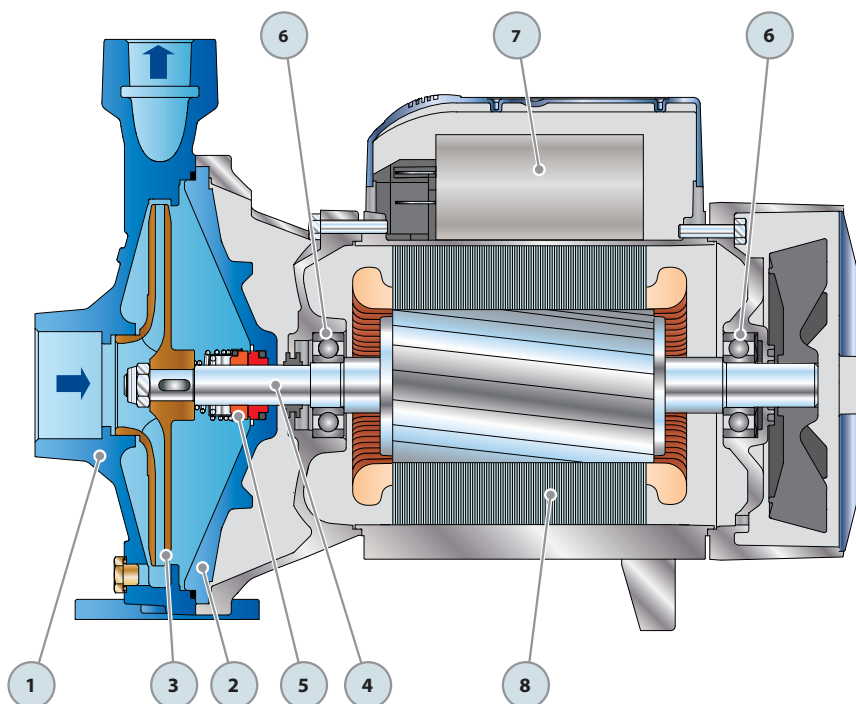


| MODEL | | POWER | | Q | H metres | | | | | | | | | | | | | | | | | | |
|--------------|-------------|-------|-----|----------|----------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|------|--|--|--|--|
| Single-phase | Three-phase | kW | HP | | 0 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.5 | 8.4 | 9.6 | 10.8 | 12.0 | 13.2 | 15.0 | | | | |
| | | | | l/min | 0 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 125 | 140 | 160 | 180 | 200 | 220 | 250 | | | | |
| CPm 25/160B | CP 25/160B | 1.1 | 1.5 | H metres | 33 | 32.5 | 32 | 31.5 | 31 | 30.5 | 30 | 29 | 28 | 26.5 | 24 | 21.5 | 18 | | | | | | |
| CPm 25/160A | CP 25/160A | 1.5 | 2 | | 38 | 37 | 36.8 | 36.5 | 36 | 35.5 | 35 | 34 | 33 | 31.5 | 29.5 | 27 | 24 | 20 | | | | | |
| - | CP 25/160AR | 2.2 | 3 | | 42 | 41 | 41 | 40.5 | 40 | 39.5 | 39 | 38 | 37 | 36 | 34 | 31 | 28 | 24 | | | | | |
| CPm 25/200B | CP 25/200B | 2.2 | 3 | | 49 | 48 | 47.5 | 47 | 46.5 | 45.5 | 45 | 44 | 43 | 41 | 38.5 | 36 | 32 | 28 | 22 | | | | |
| - | CP 25/200A | 3 | 4 | | 57 | 56 | 55.8 | 55.5 | 55 | 54.5 | 53.5 | 53 | 52 | 50.5 | 48.5 | 46 | 43.5 | 40 | 33 | | | | |

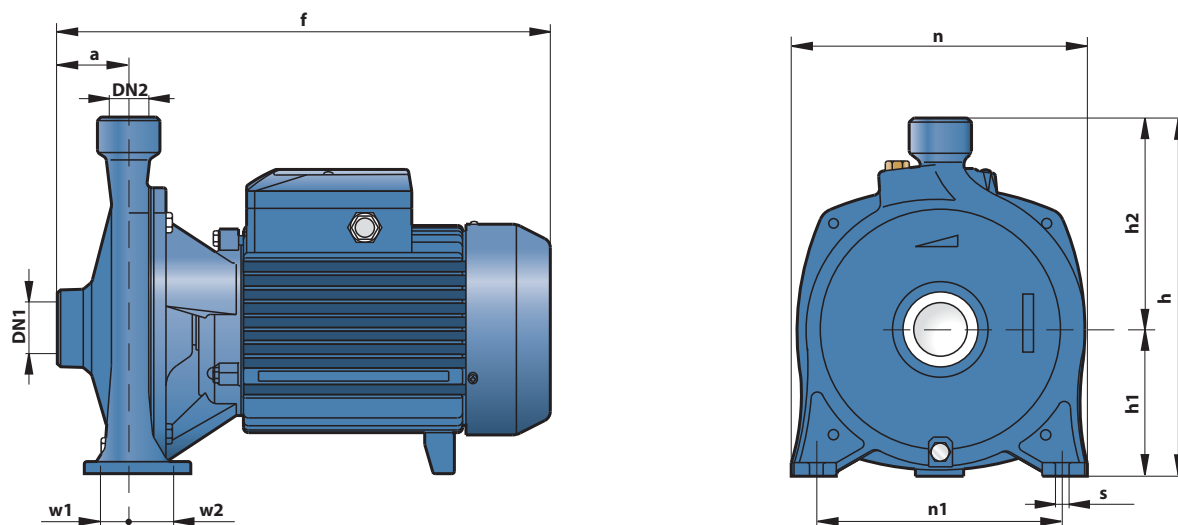
Q = Flow rate H = Total manometric head HS = Suction height

Tolerance of characteristic curves in compliance with EN ISO 9906 App. A.

| POS. | COMPONENT | CONSTRUCTION CHARACTERISTICS | | | | | |
|------|-----------------|--|-------------------------|-----------------|------------------------|------------------------|------------------|
| 1 | PUMP BODY | Cast iron, made to EN 733 standards, complete with threaded ports in compliance with ISO 228/1 | | | | | |
| 2 | BODY BACKPLATE | Cast iron | | | | | |
| 3 | IMPELLER | Brass | | | | | |
| 4 | MOTOR SHAFT | Stainless steel EN 10088-3 - 1.4104 | | | | | |
| 5 | MECHANICAL SEAL | <i>Pump</i> | <i>Seal</i> | <i>Shaft</i> | <i>Materials</i> | | |
| | | <i>Model</i> | <i>Model</i> | <i>Diameter</i> | <i>Stationary ring</i> | <i>Rotational ring</i> | <i>Elastomer</i> |
| | | CP 25/160 | FN-18 | Ø 18 mm | Graphite | Ceramic | NBR |
| | | CP 25/200 | FN-24 | Ø 24 mm | Graphite | Ceramic | NBR |
| 6 | BEARINGS | <i>Pump</i> | <i>Model</i> | | | | |
| | | CP 25/160 | 6204 ZZ / 6204 ZZ | | | | |
| | | CP 25/200 | 6206 ZZ - C3 / 6205 ZZ | | | | |
| 7 | CAPACITOR | <i>Pump</i> | <i>Capacitance</i> | | | | |
| | | <i>Single-phase</i> | <i>(230 V or 240 V)</i> | <i>(110 V)</i> | | | |
| | | CPm 25/160B | 31.5 µF 450 VL | 60 µF 250 VL | | | |
| | | CPm 25/160A | 45 µF 450 VL | 80 µF 250 VL | | | |
| | | CPm 25/200B | 70 µF 450 VL | - | | | |
| 8 | ELECTRIC MOTOR | <p>CPm: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding (up to 1.5 kW). CP: three-phase 230/400 V - 50 Hz.</p> <p>⇒ Pumps fitted with the three-phase motor option offer IE2 (IEC 60034-30) class high performance</p> <p>- Insulation: F class. - Protection: IP 44.</p> | | | | | |



DIMENSIONS AND WEIGHT



| MODEL | | PORTS | | DIMENSIONS mm | | | | | | | | | | kg | |
|--------------|-------------|-------|-----|---------------|---------|-----|-----|-----|-----|-----|------|------|----|------|------|
| Single-phase | Three-phase | DN1 | DN2 | a | f | h | h1 | h2 | n | n1 | w1 | w2 | s | 1~ | 3~ |
| CPm 25/160B | CP 25/160B | 1½" | 1" | 56 | 375 | 260 | 105 | 155 | 206 | 150 | 27.5 | 27.5 | 10 | 20.0 | 18.0 |
| CPm 25/160A | CP 25/160A | | | | | | | | | | | | | 21.3 | 21.3 |
| - | CP 25/160AR | | | | | | | | | | | | | - | 21.3 |
| CPm 25/200B | CP 25/200B | | | 60 | 390/365 | 305 | 125 | 180 | 252 | 210 | 23.5 | 39.5 | 11 | 28.5 | 30.7 |
| - | CP 25/200A | | | | 390 | | | | | | | | | - | 30.9 |

ABSORPTION

| MODEL | VOLTAGE (single-phase) | | |
|-------------|------------------------|--------|--------|
| | 230 V | 240 V | 110 V |
| CPm 25/160B | 8.5 A | 7.8 A | 17.0 A |
| CPm 25/160A | 9.8 A | 8.9 A | 19.6 A |
| CPm 25/200B | 13.4 A | 13.0 A | - |

| MODEL | VOLTAGE (three-phase) | | | | | |
|-------------|-----------------------|-------|-------|--------|-------|-------|
| | 230 V | 400 V | 690 V | 240 V | 415 V | 720 V |
| CP 25/160B | 5.7 A | 3.3 A | 1.9 A | 5.2 A | 3.0 A | 1.7 A |
| CP 25/160A | 7.3 A | 4.2 A | 2.4 A | 6.7 A | 3.9 A | 2.3 A |
| CP 25/160AR | 8.9 A | 5.1 A | 3.0 A | 8.3 A | 4.8 A | 2.8 A |
| CP 25/200B | 10.5 A | 6.0 A | 3.5 A | 9.6 A | 5.6 A | 3.3 A |
| CP 25/200A | 12.4 A | 7.2 A | 4.2 A | 11.0 A | 6.4 A | 3.7 A |

PALLETIZATION

| MODEL | | GROUPAGE | | | | CONTAINER | | | |
|--------------|-------------|----------|--------|------|------|-----------|--------|------|------|
| Single-phase | Three-phase | n° pumps | H (mm) | kg | | n° pumps | H (mm) | kg | |
| | | | | 1~ | 3~ | | | 1~ | 3~ |
| CPm 25/160B | CP 25/160B | 50 | 1560 | 1020 | 920 | 70 | 2130 | 1420 | 1280 |
| CPm 25/160A | CP 25/160A | 50 | 1560 | 1090 | 1040 | 70 | 2130 | 1510 | 1440 |
| - | CP 25/160AR | 50 | 1560 | - | 1090 | 70 | 2130 | - | 1510 |
| CPm 25/200B | CP 25/200B | 18 | 1190 | 530 | 570 | - | - | - | - |
| - | CP 25/200A | 18 | 1210 | - | 580 | - | - | - | - |

