



PERFORMANCE RANGE

- Flow rate up to **450 l/min** (27 m³/h)
- Head up to **112 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**
(**6 bar** for 2CP25/130N)
- 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 high efficiency and adaptability of these pumps to even the most unusual of applications, makes them ideal for use in the domestic, civil and industrial sectors; in particular for the distribution of water in combination with pressure sets, for pressure boosting and in fire-fighting sets.

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

OPTIONALS AVAILABLE ON REQUEST

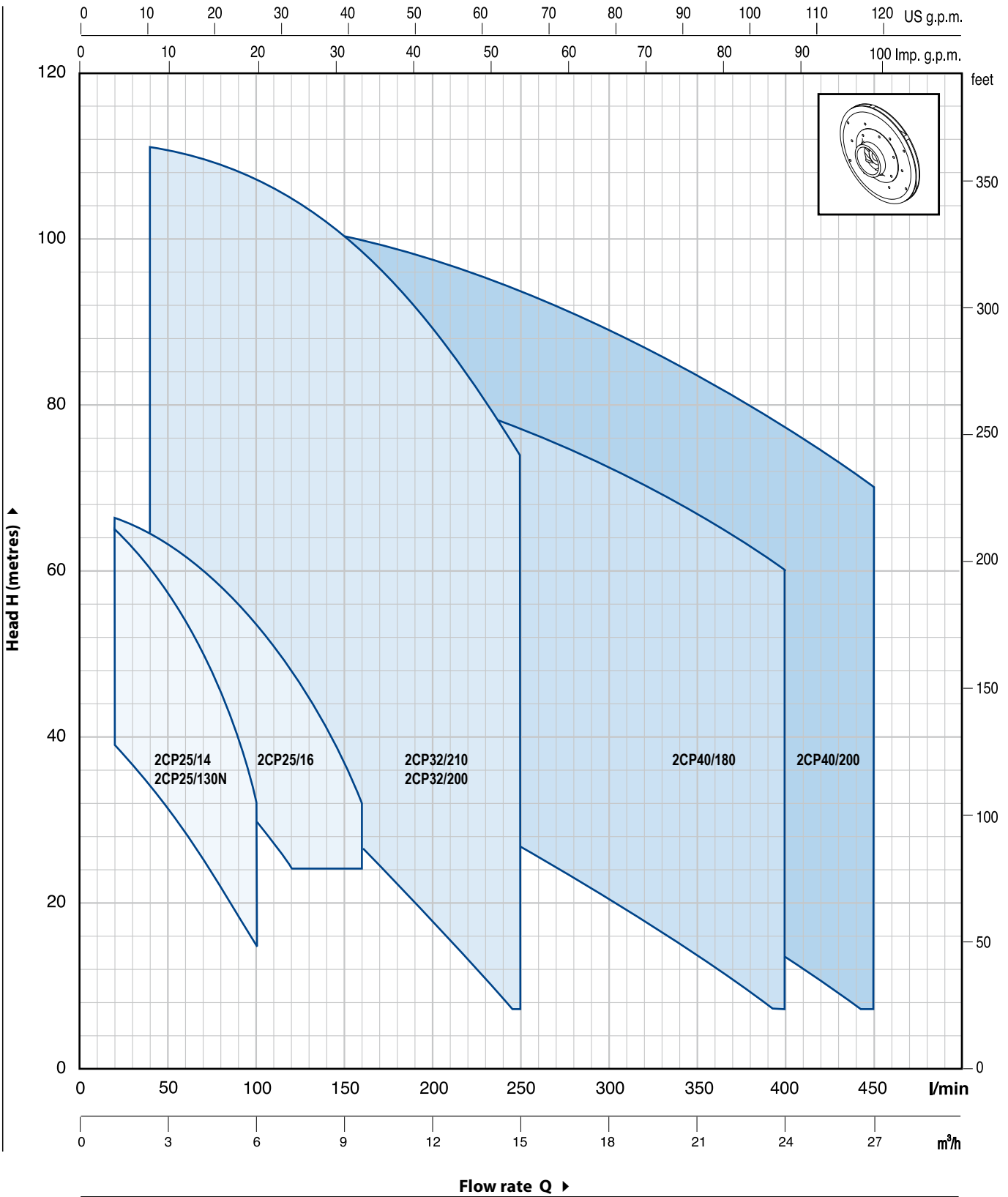
- Special mechanical seal
- Other voltages or 60 Hz frequency
- IPX5 class protection for:
 - 2CP32/200, – 2CP40/180,
 - 2CP32/210, – 2CP40/200

GUARANTEE

2 years subject to terms and conditions

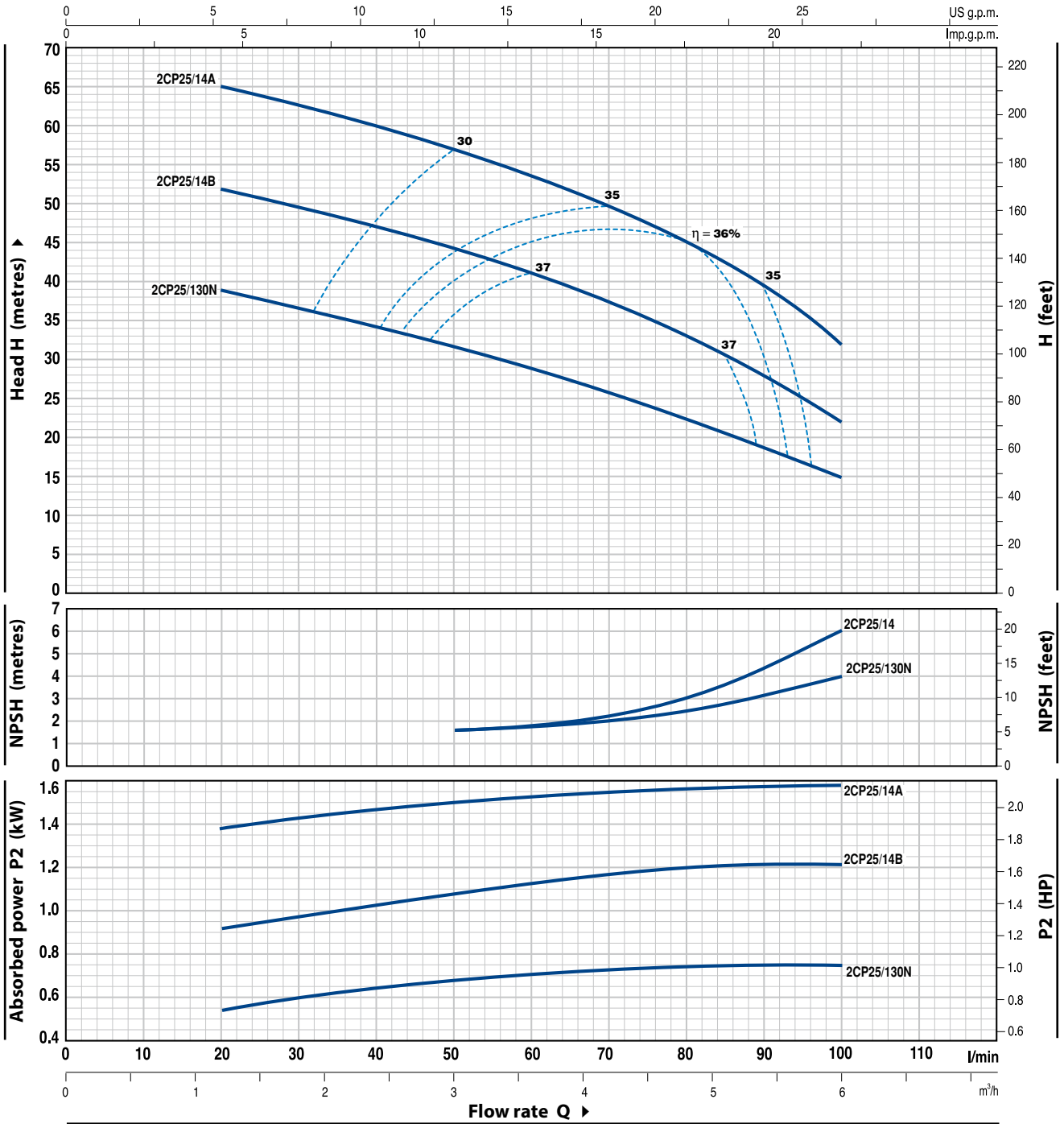
PERFORMANCE RANGE

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



CHARACTERISTIC CURVES AND PERFORMANCE DATA

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



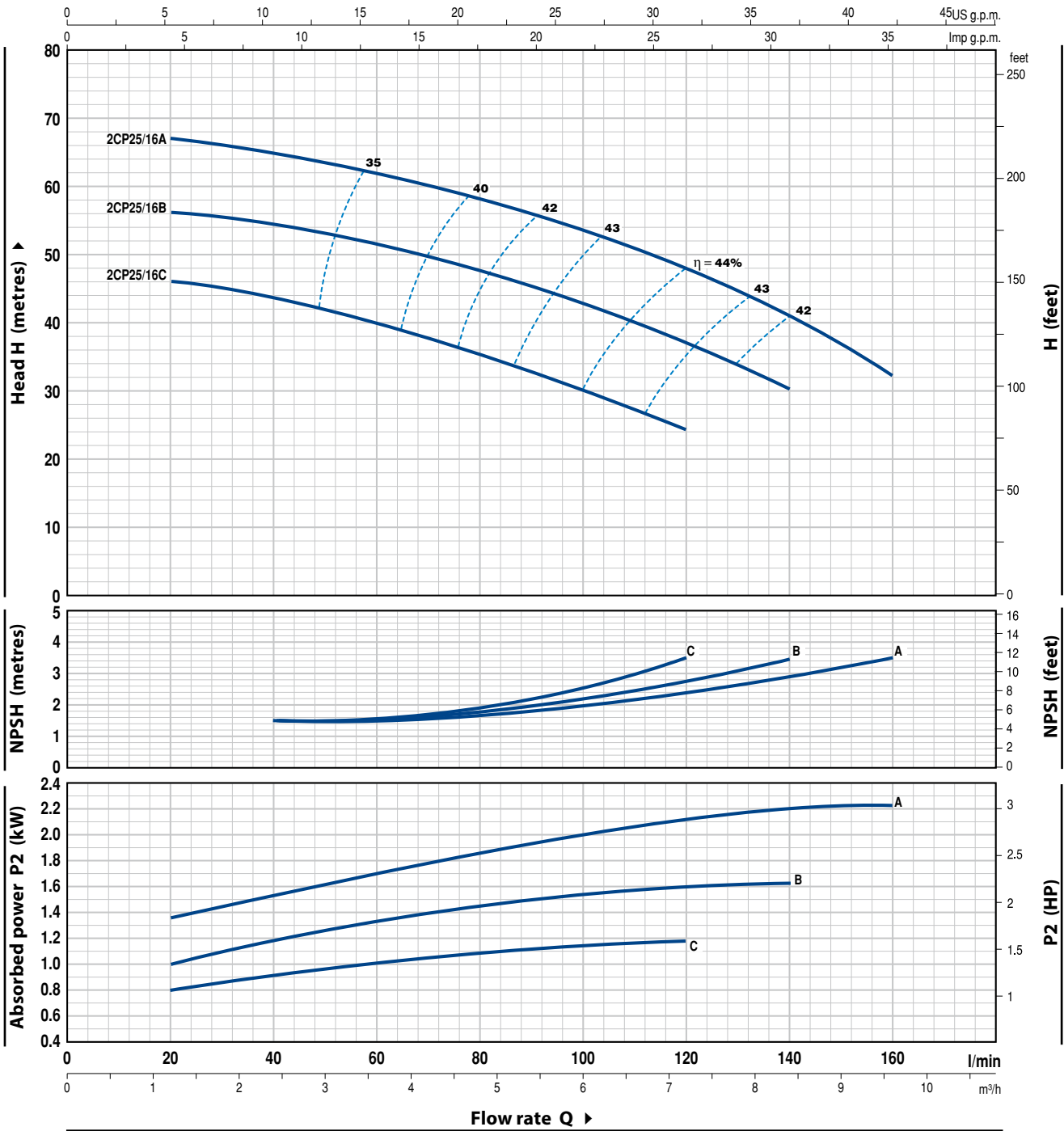
| MODEL | | POWER | | Q | Flow rate | | | | | | | | | |
|--------------|-------------|-------|-----|----------|-----------|-----|-----|------|------|------|------|-----|-----|-----|
| Single-phase | Three-phase | kW | HP | | 0 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 |
| 2CPm 25/130N | 2CP 25/130N | 0.75 | 1 | H metres | 0 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| 2CPm 25/14B | 2CP 25/14B | 1.1 | 1.5 | | 42 | 39 | 37 | 34 | 31 | 28.5 | 25.5 | 22 | 18 | 15 |
| 2CPm 25/14A | 2CP 25/14A | 1.5 | 2 | | 54 | 52 | 50 | 47.5 | 44.5 | 41 | 37 | 33 | 28 | 22 |
| | | | | | 67 | 65 | 62 | 60 | 57 | 54 | 50 | 45 | 40 | 32 |

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

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

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



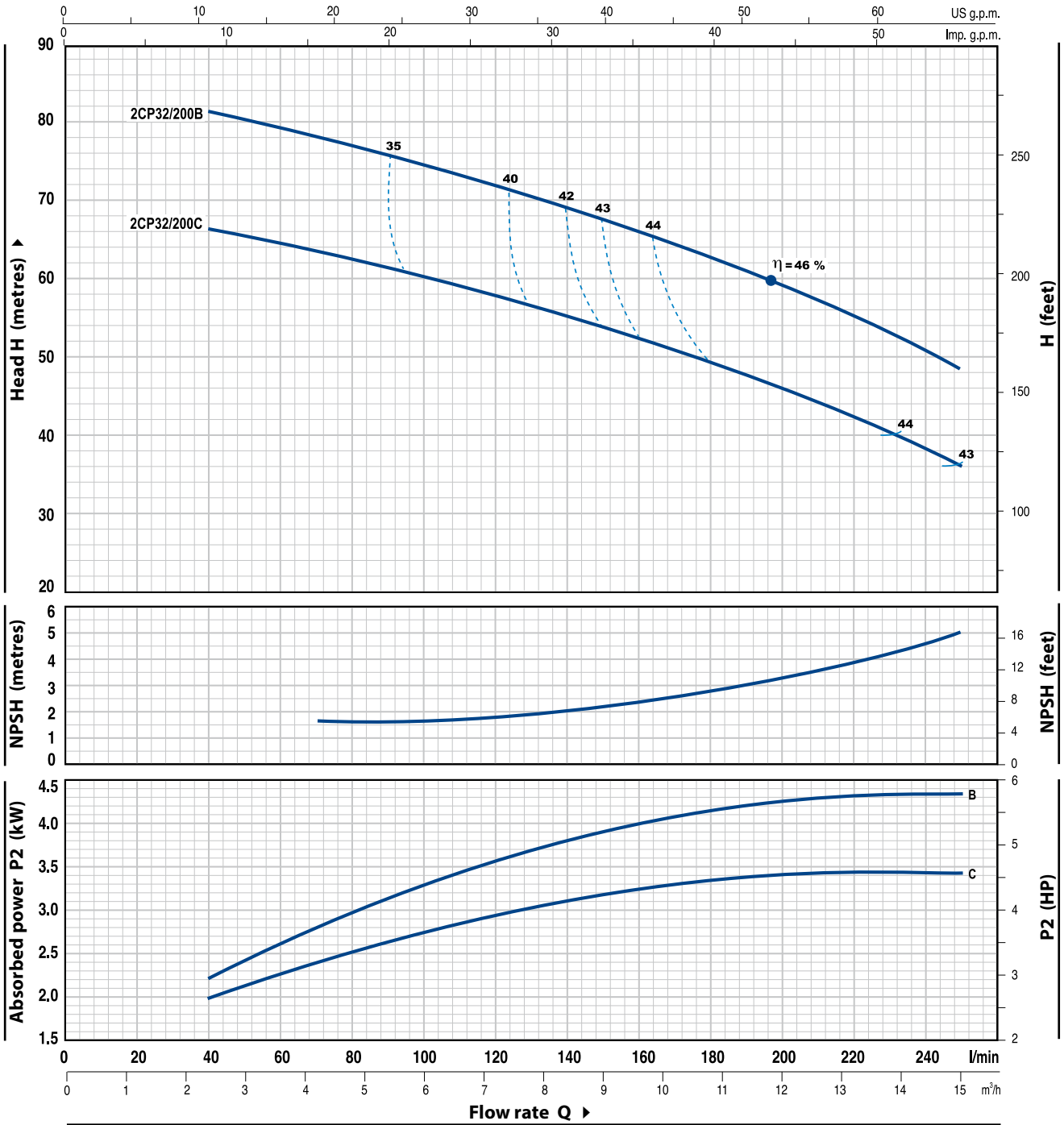
| MODEL | | POWER | | Q | Flow rate | | | | | | | | | | | | | | | |
|--------------|-------------|-------|-----|----------|-------------------|----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Single-phase | Three-phase | kW | HP | | m ³ /h | 0 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.2 | 8.4 | 9.6 | |
| 2CPm 25/16C | 2CP 25/16C | 1.1 | 1.5 | l/min | 0 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 140 | 160 | | |
| 2CPm 25/16B | 2CP 25/16B | 1.5 | 2 | H metres | 58 | 56 | 55 | 54 | 53 | 51 | 49 | 47 | 45 | 43 | 40 | 37 | 30 | | | |
| - | 2CP 25/16A | 2.2 | 3 | | 68 | 67 | 65.5 | 64.5 | 63 | 62 | 60 | 58 | 56 | 54 | 51 | 48 | 41 | 32 | | |

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

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

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



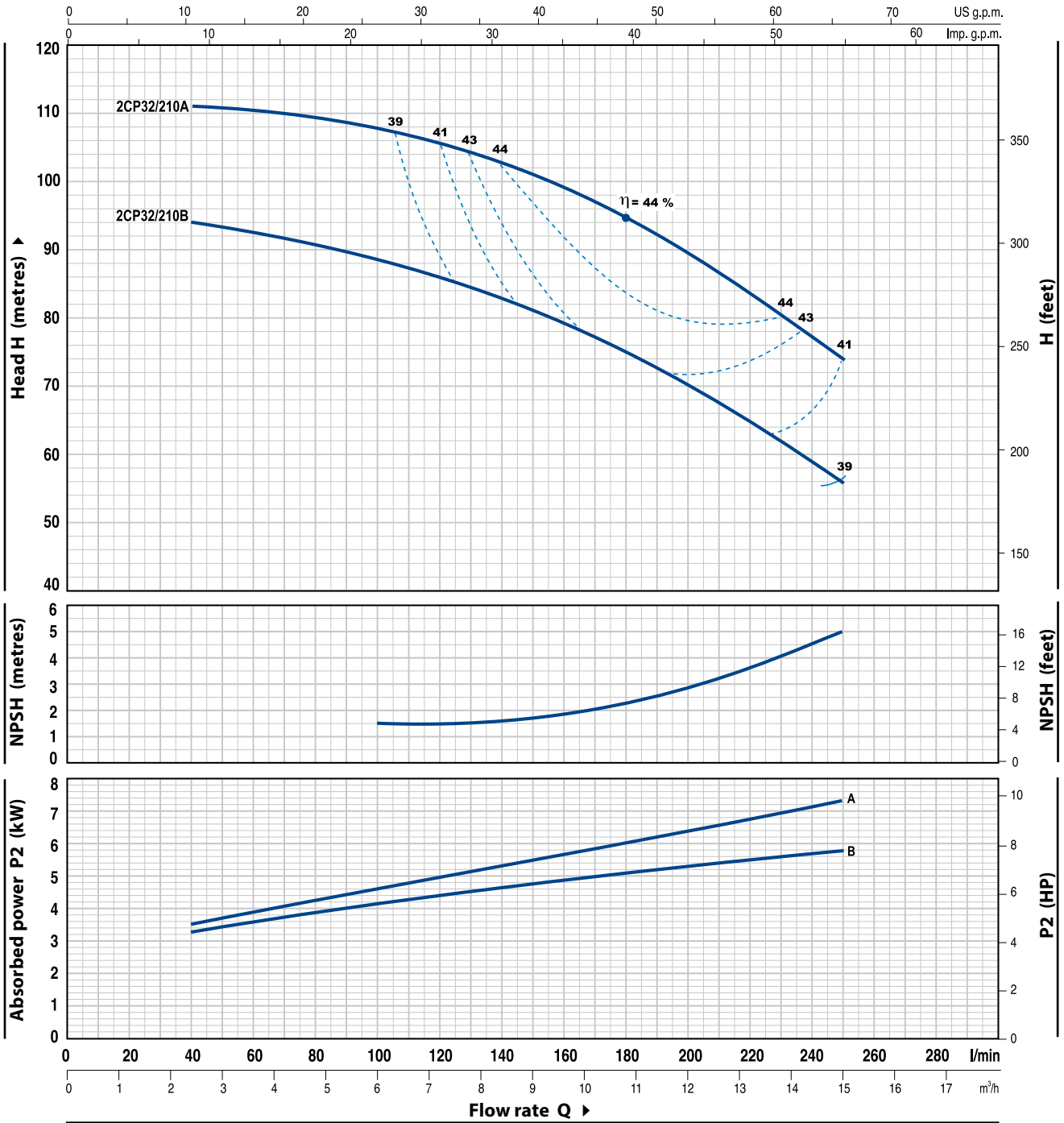
| MODEL | POWER | | Q | Flow rate | | | | | | | | | | | | | | | | |
|-------------|-------|-----|----------|-------------------|------|------|-----|-----|-----|-----|------|-----|-----|-----|-----|------|------|------|------|--|
| | kW | HP | | m ³ /h | 0 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.5 | 8.4 | 9.6 | 10.8 | 12.0 | 15.0 | |
| Three-phase | | | l/min | 0 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 125 | 140 | 160 | 180 | 200 | 250 | | |
| 2CP 32/200C | 3 | 4 | H metres | 70 | 66.5 | 65.5 | 65 | 64 | 63 | 62 | 60.5 | 59 | 57 | 55 | 52 | 49.5 | 46.5 | 36 | | |
| 2CP 32/200B | 4 | 5.5 | | 85 | 81 | 80 | 79 | 78 | 77 | 76 | 75 | 74 | 72 | 69 | 66 | 62 | 58 | 49 | | |

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

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

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



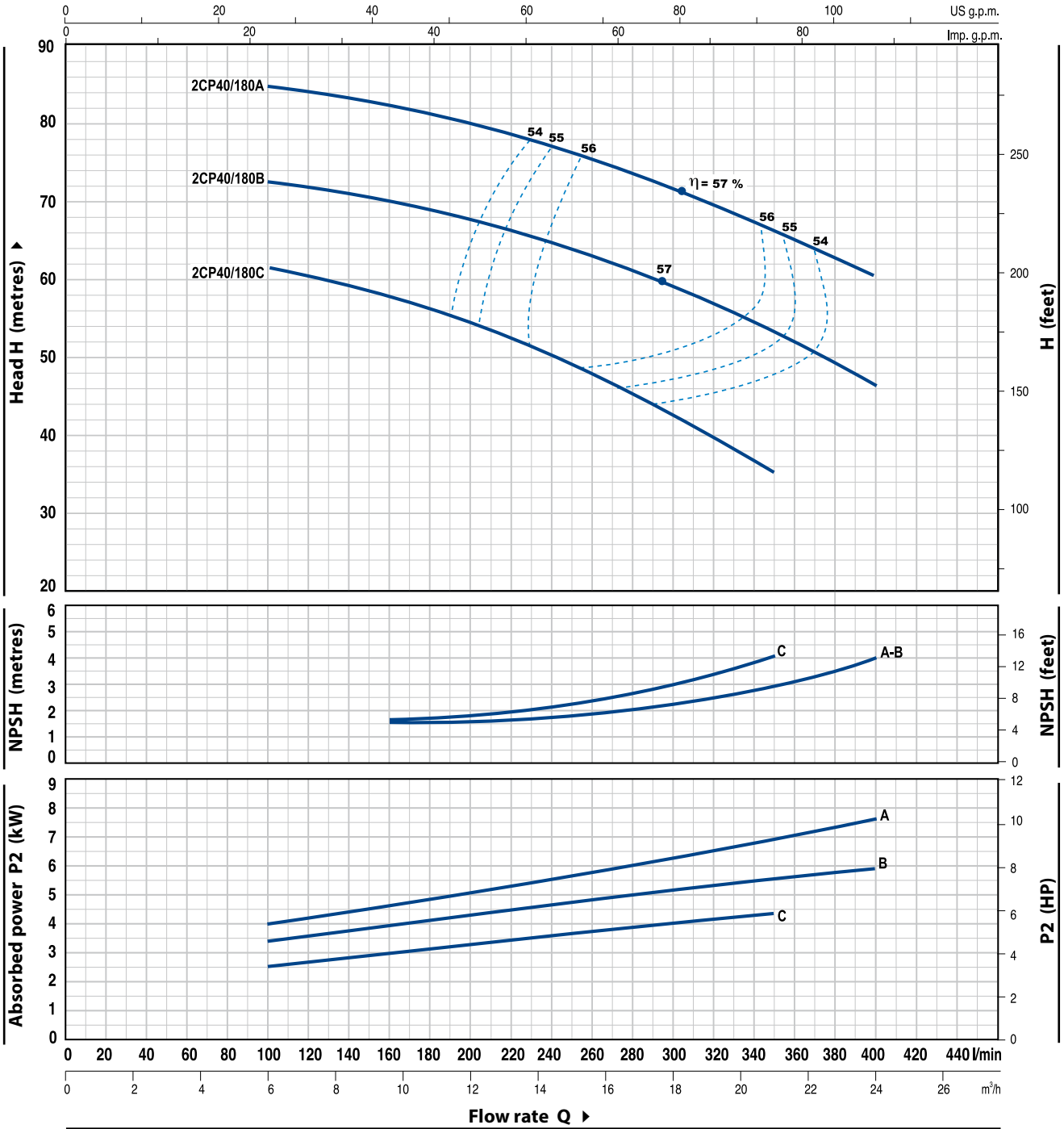
| MODEL | POWER | | Q | Flow rate | | | | | | | | | | | | | | |
|-------------|-------|-----|----------|-----------|-----|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | kW | HP | | 0 | 2.4 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.5 | 8.4 | 9.6 | 10.8 | 12.0 | 15.0 |
| Three-phase | | | l/min | 0 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 125 | 140 | 160 | 180 | 200 | 250 |
| 2CP 32/210B | 5.5 | 7.5 | H metres | 94 | 94 | 93.5 | 93 | 92 | 91 | 90 | 89 | 87 | 85 | 83 | 79 | 75 | 70 | 56 |
| 2CP 32/210A | 7.5 | 10 | | 112 | 111 | 110.8 | 110.5 | 110.3 | 110 | 109 | 108 | 107 | 105 | 102 | 99 | 94 | 89 | 74 |

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

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

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



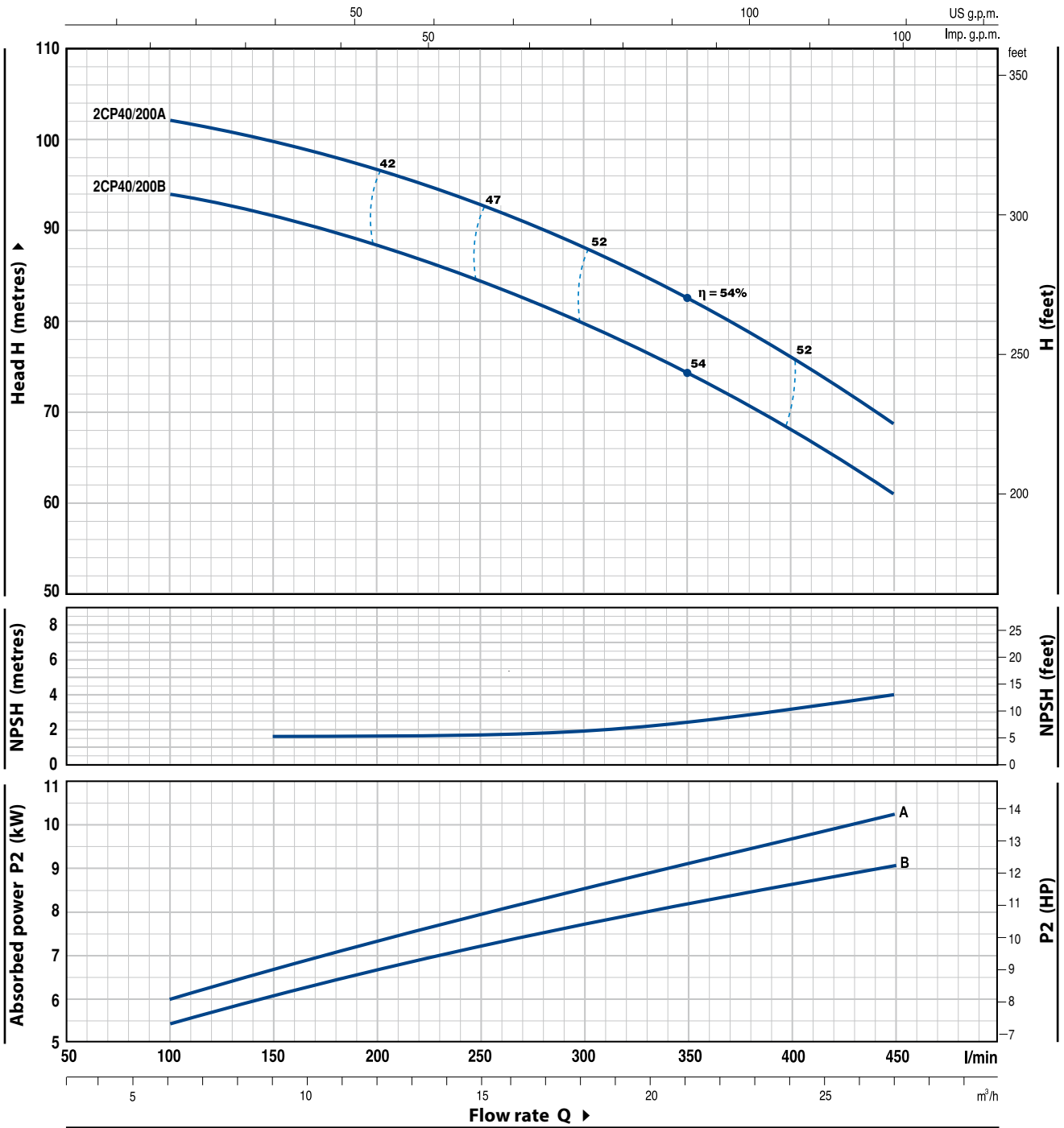
| MODEL | POWER | | Q | 0 | 6.0 | 6.6 | 7.5 | 8.4 | 9.6 | 10.8 | 12.0 | 15.0 | 18.0 | 21.0 | 24.0 |
|--------------------|-------|-----|----------|----|-----|------|-----|-----|-----|------|------|------|------|------|------|
| | kW | HP | | 0 | 100 | 110 | 125 | 140 | 160 | 180 | 200 | 250 | 300 | 350 | 400 |
| Three-phase | | | l/min | | | | | | | | | | | | |
| 2CP 40/180C | 4 | 5.5 | H metres | 64 | 62 | 61 | 60 | 59 | 58 | 56 | 54.5 | 49 | 43 | 35 | |
| 2CP 40/180B | 5.5 | 7.5 | | 76 | 73 | 72.5 | 72 | 71 | 70 | 69 | 67.5 | 64 | 59.5 | 54 | 46 |
| 2CP 40/180A | 7.5 | 10 | | 88 | 85 | 84.5 | 84 | 83 | 82 | 81 | 79.5 | 76 | 72 | 67 | 60 |

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

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

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



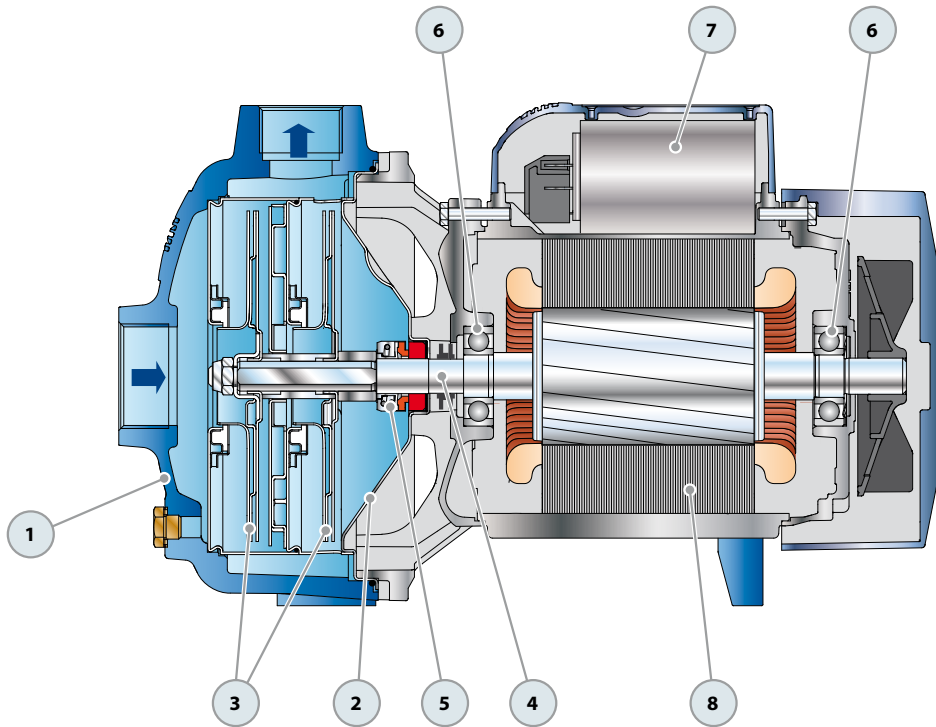
| MODEL | POWER | | Q | Flow rate | | | | | | | | | | | | |
|--------------------|-------|------|----------|-------------------|-----|-----|-----|------|------|------|------|------|------|------|--|--|
| | kW | HP | | m ³ /h | 0 | 6.0 | 9 | 10.8 | 12.0 | 15.0 | 18.0 | 21.0 | 24.0 | 27.0 | | |
| Three-phase | | | l/min | 0 | 100 | 150 | 180 | 200 | 250 | 300 | 350 | 400 | 450 | | | |
| 2CP 40/200B | 9.2 | 12.5 | H metres | 97 | 94 | 92 | 90 | 88 | 85 | 80 | 74 | 68 | 61 | | | |
| 2CP 40/200A | 11 | 15 | | 105 | 102 | 100 | 98 | 97 | 93 | 88 | 83 | 76 | 69 | | | |

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

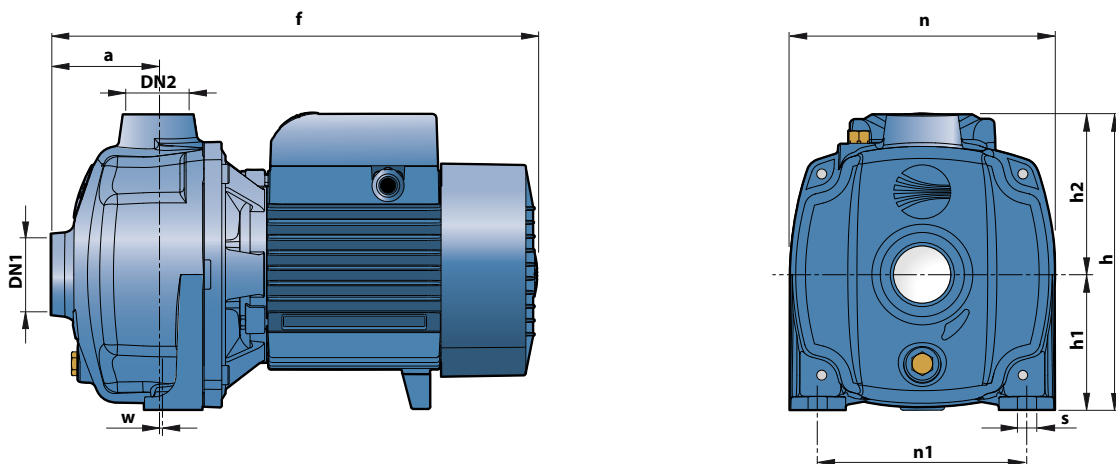
Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3.

2CP 25/130N

| POS. | COMPONENT | CONSTRUCTION CHARACTERISTICS | | | | |
|------|-----------------|--|-------------------------|------------------------|------------------------|------------------|
| 1 | PUMP BODY | Cast iron, complete with threaded ports in compliance with ISO 228/1 | | | | |
| 2 | BODY BACKPLATE | Stainless steel AISI 304 | | | | |
| 3 | IMPELLERS | Stainless steel AISI 304 | | | | |
| 4 | MOTOR SHAFT | Stainless steel EN 10088-3 - 1.4104 | | | | |
| 5 | MECHANICAL SEAL | Seal | Shaft | Materials | | |
| | | <i>Model</i> | <i>Diameter</i> | <i>Stationary ring</i> | <i>Rotational ring</i> | <i>Elastomer</i> |
| | | AR-14 | Ø 14 mm | Ceramic | Graphite | NBR |
| 6 | BEARINGS | 6203 ZZ / 6203 ZZ | | | | |
| 7 | CAPACITOR | Pump | Capacitance | | | |
| | | <i>Single-phase</i> | <i>(230 V or 240 V)</i> | <i>(110 V)</i> | | |
| | | 2CPm 25/130N | 20 µF 450 VL | 60 µF 300 VL | | |
| 8 | ELECTRIC MOTOR | <p>2CPm 25/130N: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding.</p> <p>2CP 25/130N: three-phase 230/400 V - 50 Hz.</p> <p>⇒ Pump fitted with the three-phase motor option offers IE2 (IEC 60034-30) class high performance</p> <ul style="list-style-type: none"> - Insulation: F class. - Protection: IP X4. | | | | |



DIMENSIONS AND WEIGHT



| MODEL | | PORTS | | DIMENSIONS mm | | | | | | | | | kg | |
|--------------|-------------|--------|-----|---------------|-----|-----|----|-----|-----|-----|---|----|------|------|
| Single-phase | Three-phase | DN1 | DN2 | a | f | h | h1 | h2 | n | n1 | w | s | 1~ | 3~ |
| 2CPm 25/130N | 2CP 25/130N | 1 1/4" | 1" | 73 | 330 | 201 | 92 | 109 | 180 | 142 | 1 | 10 | 14.5 | 14.0 |

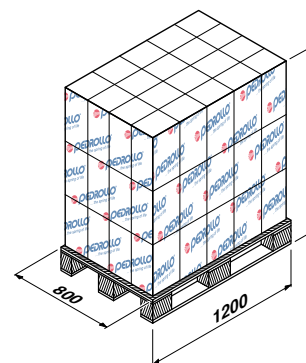
ABSORPTION

| MODEL | VOLTAGE (single-phase) | | |
|--------------|------------------------|--------------|---------------|
| | 230 V | 240 V | 110 V |
| Single-phase | | | |
| 2CPm 25/130N | 6.3 A | 6.0 A | 12.6 A |

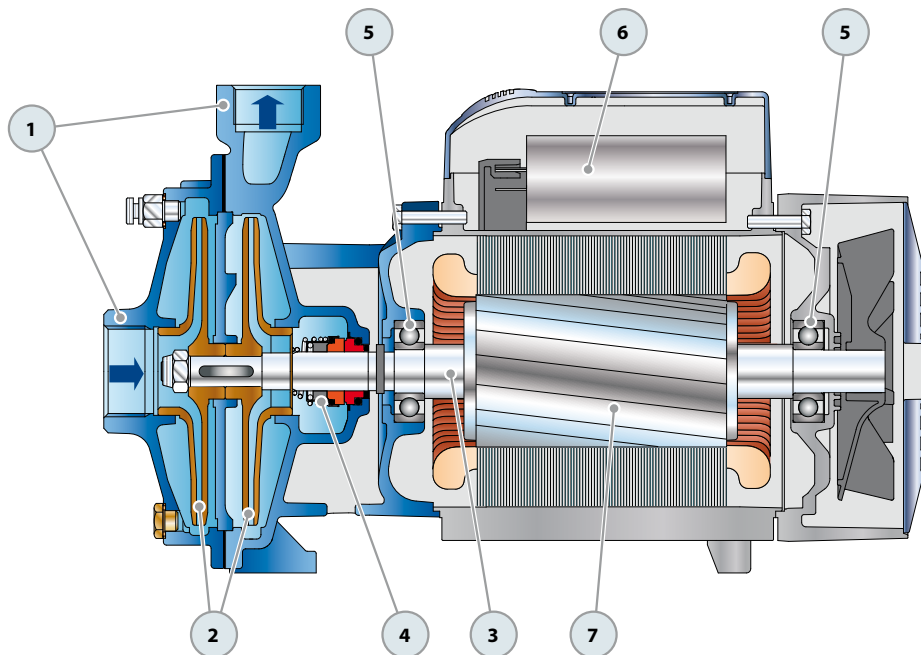
| MODEL | VOLTAGE (three-phase) | | | | | |
|-------------|-----------------------|--------------|--------------|--------------|--------------|--------------|
| | 230 V | 400 V | 690 V | 240 V | 415 V | 720 V |
| Three-phase | | | | | | |
| 2CP 25/130N | 4.6 A | 2.6 A | 1.5 A | 4.3 A | 2.5 A | 1.5 A |

PALLETIZATION

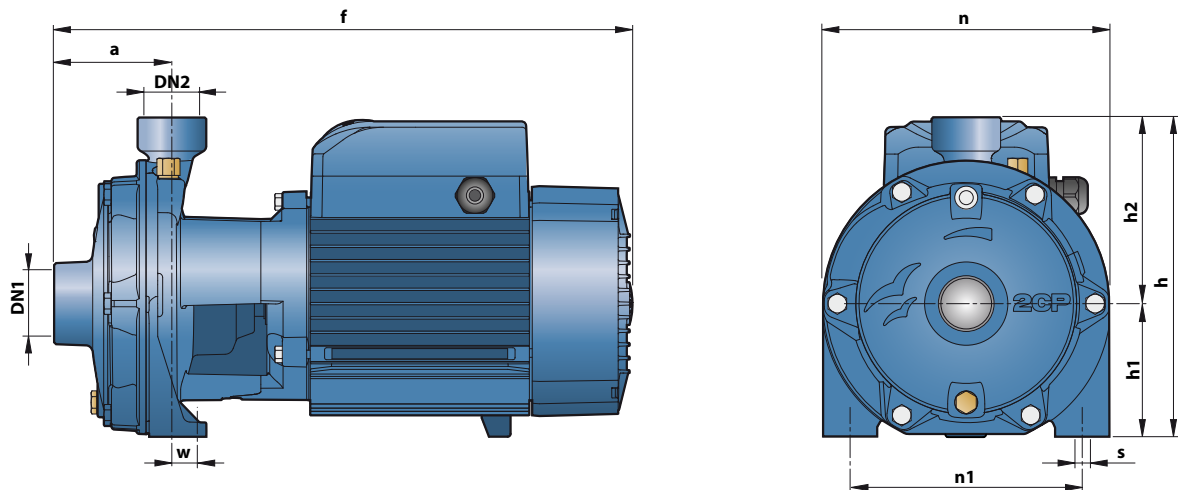
| MODEL | | GROUPAGE | | | | CONTAINER | | | |
|--------------|-------------|-----------|--------|-----|-----|-----------|--------|------|------|
| Single-phase | Three-phase | n° pumps | H (mm) | kg | | n° pumps | H (mm) | kg | |
| | | | | 1~ | 3~ | | | 1~ | 3~ |
| 2CPm 25/130N | 2CP 25/130N | 60 | 1320 | 890 | 860 | 84 | 1790 | 1240 | 1200 |



| POS. | COMPONENT | CONSTRUCTION CHARACTERISTICS | | | | | |
|---|-----------------|---|-----------------------------|-----------------|------------------------|------------------------|------------------|
| 1 | PUMP BODY | Cast iron, complete with threaded ports in compliance with ISO 228/1 | | | | | |
| 2 | IMPELLERS | Brass | | | | | |
| 3 | MOTOR SHAFT | Stainless steel EN 10088-3 - 1.4104 | | | | | |
| 4 | 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> |
| | | 2CP 25/14 | FN-18 | Ø 18 mm | Graphite | Ceramic | NBR |
| | | 2CP 25/16 | FN-20 | Ø 20 mm | Graphite | Ceramic | NBR |
| | | 2CP 32/200 | FN-20 | Ø 20 mm | Graphite | Ceramic | NBR |
| | | 2CP 32/210 | FN-24 | Ø 24 mm | Graphite | Ceramic | NBR |
| | | 2CP 40/180 | FN-24 | Ø 24 mm | Graphite | Ceramic | NBR |
| 2CP 40/200 | FN-32 NU | Ø 32 mm | Graphite | Ceramic | NBR | | |
| 5 | BEARINGS | <i>Pump</i> | <i>Model</i> | | | | |
| | | 2CP 25/14 | 6204 ZZ / 6204 ZZ | | | | |
| | | 2CP 25/16 | 6204 ZZ / 6204 ZZ | | | | |
| | | 2CP 32/200 | 6206 ZZ - C3 / 6206 ZZ - C3 | | | | |
| | | 2CP 32/210 | 6306 ZZ - C3 / 6206 ZZ - C3 | | | | |
| | | 2CP 40/180 | 6306 ZZ - C3 / 6206 ZZ - C3 | | | | |
| | | 2CP 40/200 | 6308 ZZ - C3 / 6308 ZZ - C3 | | | | |
| 6 | CAPACITOR | <i>Pump</i> | <i>Capacitance</i> | | | | |
| | | <i>Single-phase</i> | <i>(230 V or 240 V)</i> | <i>(110 V)</i> | | | |
| | | 2CPm 25/14B | 25 µF 450 VL | 60 µF 250 VL | | | |
| | | 2CPm 25/16C | 25 µF 450 VL | 60 µF 250 VL | | | |
| | | 2CPm 25/14A | 45 µF 450 VL | 80 µF 250 VL | | | |
| 2CPm 25/16B | 45 µF 450 VL | 80 µF 250 VL | | | | | |
| 7 | ELECTRIC MOTOR | 2CPm: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding. | | | | | |
| | | 2CP: three-phase 230/400 V - 50 Hz up to 4 kW. 400/690 V - 50 Hz from 5.5 to 11 kW | | | | | |
| <p>⇒ Pumps fitted with the three-phase motor option offer IE2 (IEC 60034-30) class high performance</p> <ul style="list-style-type: none"> - Insulation: F class. - Protection: IPX4. | | | | | | | |



DIMENSIONS AND WEIGHT



| MODEL | | PORTS | | DIMENSIONS mm | | | | | | | | | kg | | | | | | | | | | | |
|--------------|---------------|--------|--------|---------------|-----|-----|-----|-----|-----|-----|-----|----|------|-----------|-----------|-----|-----|-----|---|---|------|---|---|-----------|
| Single-phase | Three-phase | DN1 | DN2 | a | f | h | h1 | h2 | n | n1 | w | s | 1~ | 3~ | | | | | | | | | | |
| 2CPm 25/14B | 2CP 25/14B | 1 1/4" | 1" | 82 | 404 | 223 | 93 | 130 | 200 | 162 | 17 | 10 | 19.4 | 18.8 | | | | | | | | | | |
| 2CPm 25/14A | 2CP 25/14A | | | | | 261 | 110 | 151 | 225 | 185 | 26 | 11 | 24.2 | 23.0 | | | | | | | | | | |
| 2CPm 25/16C | 2CP 25/16C | | | | | 223 | 93 | 130 | 200 | 162 | 17 | 10 | 19.4 | 18.8 | | | | | | | | | | |
| 2CPm 25/16B | 2CP 25/16B | | | | | 261 | 110 | 151 | 225 | 185 | 26 | 11 | 24.3 | 23.2 | | | | | | | | | | |
| - | 2CP 25/16A | 1 1/2" | 1 1/4" | 95 | 464 | 304 | 132 | 172 | 266 | 206 | 19 | - | 24.5 | | | | | | | | | | | |
| - | 2CP 32/200C-B | | | | | 334 | 139 | 195 | 292 | 232 | 21 | 14 | - | 38.0/43.0 | | | | | | | | | | |
| - | 2CP 32/210B-A | 2" | 1 1/2" | 108 | 496 | 542 | 334 | 139 | 195 | 292 | 232 | 21 | 14 | - | 54.0/61.0 | | | | | | | | | |
| - | 2CP 40/180C | | | | | 542 | | | | | | | | - | - | - | - | - | - | - | 49.0 | | | |
| - | 2CP 40/180B-A | | | | | 542 | | | | | | | | - | - | - | - | - | - | - | - | - | - | 54.0/60.0 |
| - | 2CP 40/200B-A | | | | | 110 | | | | | | | | 566 | 355 | 160 | 195 | 298 | - | - | - | - | - | 89.0/90.0 |

ABSORPTION

| MODEL | VOLTAGE (single-phase) | | |
|--------------|------------------------|--------|--------|
| | 230 V | 240 V | 110 V |
| Single-phase | 230 V | 240 V | 110 V |
| 2CPm 25/14B | 7.7 A | 7.4 A | 15.5 A |
| 2CPm 25/14A | 10.5 A | 10.0 A | 21.0 A |
| 2CPm 25/16C | 7.7 A | 7.4 A | 15.5 A |
| 2CPm 25/16B | 10.0 A | 9.6 A | 20.0 A |

| MODEL | VOLTAGE (three-phase) | | | | | |
|-------------|-----------------------|--------|--------|--------|--------|--------|
| | 230 V | 400 V | 690 V | 240 V | 415 V | 720 V |
| Three-phase | 230 V | 400 V | 690 V | 240 V | 415 V | 720 V |
| 2CP 25/14B | 5.4 A | 3.1 A | 1.8 A | 5.2 A | 3.0 A | 1.7 A |
| 2CP 25/14A | 6.9 A | 4.0 A | 2.3 A | 6.6 A | 3.8 A | 2.2 A |
| 2CP 25/16C | 5.4 A | 3.1 A | 1.8 A | 5.2 A | 3.0 A | 1.7 A |
| 2CP 25/16B | 6.9 A | 4.0 A | 2.3 A | 6.6 A | 3.8 A | 2.2 A |
| 2CP 25/16A | 9.2 A | 5.3 A | 3.1 A | 8.8 A | 5.1 A | 2.9 A |
| 2CP 32/200C | 12.8 A | 7.4 A | 4.3 A | 12.3 A | 7.1 A | 4.1 A |
| 2CP 32/200B | 18.2 A | 10.5 A | 6.1 A | 17.7 A | 10.2 A | 5.9 A |
| 2CP 32/210B | 21.7 A | 12.5 A | 7.2 A | 19.9 A | 11.5 A | 6.7 A |
| 2CP 32/210A | 27.7 A | 16.0 A | 9.2 A | 26.0 A | 15.0 A | 8.7 A |
| 2CP 40/180C | 17.0 A | 9.8 A | 5.7 A | 16.5 A | 9.5 A | 5.5 A |
| 2CP 40/180B | 21.3 A | 12.3 A | 7.1 A | 20.8 A | 12.0 A | 6.9 A |
| 2CP 40/180A | 26.7 A | 15.4 A | 8.9 A | 26.0 A | 15.0 A | 8.7 A |
| 2CP 40/200B | - | 17.5 A | 10.1 A | - | 17.5 A | 10.1 A |
| 2CP 40/200A | - | 20.0 A | 11.5 A | - | 20.0 A | 11.5 A |

PALLETIZATION

| MODEL | | GROUPAGE | | | CONTAINER | | | | |
|--------------|-------------|----------|--------|------|-----------|----------|--------|------|------|
| Single-phase | Three-phase | n° pumps | H (mm) | kg | | n° pumps | H (mm) | kg | |
| | | | | 1~ | 3~ | | | 1~ | 3~ |
| 2CPm 25/14B | 2CP 25/14B | 50 | 1415 | 994 | 964 | 70 | 1925 | 1382 | 1340 |
| 2CPm 25/14A | 2CP 25/14A | 50 | 1590 | 1234 | 1174 | 70 | 2170 | 1718 | 1634 |
| 2CPm 25/16C | 2CP 25/16C | 50 | 1415 | 994 | 964 | 70 | 1925 | 1382 | 1340 |
| 2CPm 25/16B | 2CP 25/16B | 50 | 1590 | 1239 | 1184 | 70 | 2170 | 1725 | 1648 |
| - | 2CP 25/16A | 50 | 1590 | - | 1249 | 70 | 2170 | - | 1739 |
| - | 2CP 32/200C | 18 | 1420 | - | 700 | 24 | 1840 | - | 930 |
| - | 2CP 32/200B | 18 | 1420 | - | 790 | 24 | 1840 | - | 1050 |
| - | 2CP 32/210B | 12 | 1420 | - | 670 | 16 | 1840 | - | 880 |
| - | 2CP 32/210A | 12 | 1420 | - | 750 | 16 | 1840 | - | 1000 |
| - | 2CP 40/180C | 12 | 1420 | - | 610 | 16 | 1840 | - | 800 |
| - | 2CP 40/180B | 12 | 1420 | - | 670 | 16 | 1840 | - | 880 |
| - | 2CP 40/180A | 12 | 1420 | - | 740 | 16 | 1840 | - | 980 |
| - | 2CP 40/200B | 6 | 1200 | - | 551 | 9 | 1730 | - | 818 |
| - | 2CP 40/200A | 6 | 1200 | - | 557 | 9 | 1730 | - | 827 |

