

Помпи центробежни по стандарт EN 733 DIN 24255



RANGE OF PERFORMANCE

Flow rate up to 6000 l/min (360 m³/h)
Head up to 95 m

LIMITS OF USE

Manometric suction lift up to 7 m
Liquid temperature from -10°C to + 90°C
Environment temperature from -10°C to + 40°C
Max. pressure in the pump body 10 bar (PN10)

INSTALLATION AND USE

They are recommended for pumping clean water and liquids that are chemically non aggressive to the materials from which the pump is made.

THIS SERIES IS SUITABLE FOR SUPPLYING AND MOVING WATER, IN COOLING, HEATING, CIRCULATING AND CONDITIONING SYSTEMS, FOR FIRE FIGHTING, IRRIGATION, INDUSTRIAL AND AGRICULTURAL APPLICATIONS.

Manufacture in accordance with dimensional standards EN 733 - DIN 24255 ensures models are fully interchangeable. The design allows the pump body to be removed without disconnecting it from the pipes (**back pull out**).

The pumps must be installed in enclosed places, or at least protected against inclement weather.

GUARANTEE 2 YEARS subject to our general terms of sale.

CONSTRUCTION CHARACTERISTICS

- **PUMP BODY: cast iron**, complies with dimensional standards EN 733 - DIN 24255 and UNI 7467-NF E-44-111, with flanged suction and delivery ports complete with threaded steel counterflanges.
- **BODY BACK-PLATE: cast iron.**
- **IMPELLER: brass** for models K32/160, K32/200, K40/160, K40/200, K50/125 and K50/160.
- **IMPELLER: cast iron** for models K40/250, K50/200, K50/250, K65/125, K65/160, K65/200, K80/160, K100/160
- **MOTOR SHAFT: stainless steel EN 10088-3 - 1.4104.**
- **MECHANICAL SEAL: ceramic - graphite - NBR.**
- **ELECTRIC MOTOR:** the pumps are close-coupled to a carefully matched electric motor, asynchronous type **with high efficiency (class EFF1 for powers from 4 to 22 kW)**, quiet running, totally enclosed fan cooled, suitable for continuous duty.

K M: single-phase 230 V - 50 Hz with capacitor and thermal overload protector (up to 1.5 kW).

K: three-phase 230/400 V - 50 Hz up to 4 kW. 400/690 V - 50 Hz from 5.5 to 22 kW.

- **INSULATION:** classe K.
- **PROTECTION:** IP 44.

OPTIONS ON REQUEST

- ⇒ pump shaft in stainless steel **EN 10088-3 - 1.4401 (AISI 316)**
- ⇒ special mechanical seal
- ⇒ other voltages or frequency 60 Hz
- ⇒ protection IP 55
- ⇒ for liquids with higher or lower temperatures
- ⇒ for environments with higher or lower temperatures

CONSTRUCTION AND SAFETY STANDARDS

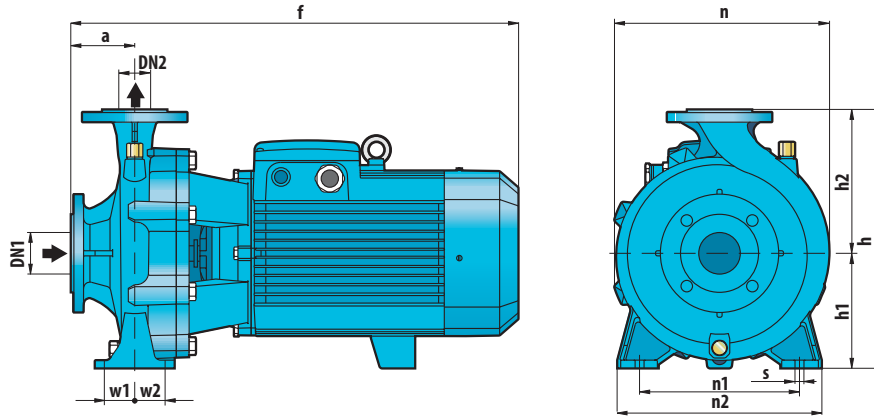
EN 60034-1

IEC 34-1

CEI 2-3



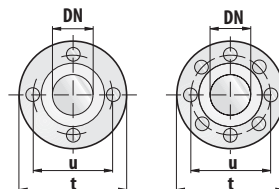
DIMENSIONS AND WEIGHTS



| TYPE | | PORTS | | DIMENSIONS mm | | | | | | | | | | | | kg* | | | | | | | | |
|--------------|-------------|-------|-----|---------------|---------|-----|------|---------|------|-----|-------|-------|------|-----|-------|-------|-----|-----|-------|------|------|----|------|------|
| Single-phase | Three-phase | DN1 | DN2 | a | f | h | h1 | h2 | n | n1 | n2 | w1 | w2 | s | 1~ | 3~ | | | | | | | | |
| K32/160CM | K32/160C | 50 | 32 | 80 | 412 | 292 | 132 | 160 | 242 | 190 | 240 | 35 | 35 | 14 | 39.2 | 38.4 | | | | | | | | |
| K32/160BM | K32/160B | | | | 431/412 | | | | | | | | | | 42.6 | 39.2 | | | | | | | | |
| K32/160AM | K32/160A | | | | 465/431 | | | | | | | | | | - | 42.6 | | | | | | | | |
| ---- | K 32/200C | | | | 469 | - | 52.1 | | | | | | | | | | | | | | | | | |
| ---- | K 32/200B | | | | 469 | - | 57.0 | | | | | | | | | | | | | | | | | |
| ---- | K 32/200A | | | | 515 | 340 | 160 | 180 | 270 | | | | | | - | 63.0 | | | | | | | | |
| K 32/200BHM | K 32/200BH | | | | 469 | - | 48.5 | | | | | | | | | | | | | | | | | |
| ---- | K 32/200AH | | | | 469 | - | 52.8 | | | | | | | | | | | | | | | | | |
| K 40/160CM | K 40/160C | | | | 65 | 40 | 80 | 431/412 | 292 | | | | | | 132 | 160 | 240 | 250 | 320 | 47.5 | 47.5 | 14 | 43.9 | 41.2 |
| K 40/160BM | K 40/160B | | | | | | | 465/431 | | | | | | | | | | | | | | | 50.5 | 43.9 |
| ---- | K 40/160A | 465 | - | 50.5 | | | | | | | | | | | | | | | | | | | | |
| ---- | K 40/200B | 535 | 340 | 160 | | | | 180 | 275 | 212 | 265 | - | 61.4 | | | | | | | | | | | |
| ---- | K 40/200A | 535 | 340 | 160 | | | | 180 | 275 | 212 | 265 | - | 65.9 | | | | | | | | | | | |
| ---- | K 40/250C | 606 | 405 | 180 | | | | 225 | 328 | 250 | 320 | 47.5 | 47.5 | - | 108.0 | | | | | | | | | |
| ---- | K 40/250B | 606 | 405 | 180 | | | | 225 | 328 | 250 | 320 | 47.5 | 47.5 | - | 115.0 | | | | | | | | | |
| ---- | K 40/250A | 701 | - | - | | | | - | - | - | - | - | - | - | - | 132.0 | | | | | | | | |
| K 50/125CM | K 50/125C | 65 | 50 | 100 | | | | 450/431 | 292 | 132 | 160 | 242 | 190 | 240 | 35 | 35 | 14 | | | | | | 44.2 | 41.4 |
| K 50/125BM | K 50/125B | | | | | | | 484/450 | | | | | | | | | | | | | | | 50.5 | 44.2 |
| ---- | K 50/125A | | | | 484 | - | 50.5 | | | | | | | | | | | | | | | | | |
| ---- | K 50/160C | | | | 489 | - | 55.5 | | | | | | | | | | | | | | | | | |
| ---- | K 50/160B | | | | 535 | 340 | 180 | 269 | - | - | 35 | 35 | | | | | | - | 60.5 | | | | | |
| ---- | K 50/160A | | | | 535 | 340 | 180 | 269 | - | - | 35 | 35 | | | | | | - | 65.0 | | | | | |
| ---- | K 50/200C | | | | 616 | 160 | - | - | 212 | 265 | - | - | | | | | | - | 105.3 | | | | | |
| ---- | K 50/200B | | | | 616 | 160 | - | - | 212 | 265 | - | - | | | | | | - | 105.3 | | | | | |
| ---- | K 50/200A | | | | 711 | 360 | 200 | 316 | - | - | - | - | | | | | | - | 121.7 | | | | | |
| ---- | K 50/200AR | | | | 711 | 360 | 200 | 316 | - | - | - | - | | | | | | - | 134.2 | | | | | |
| ---- | K 50/250D | 743 | - | - | - | - | - | - | - | - | 145.7 | | | | | | | | | | | | | |
| ---- | K 50/250C | 606 | - | - | - | - | - | - | - | - | 111.0 | | | | | | | | | | | | | |
| ---- | K 50/250B | 606 | - | - | - | - | - | - | - | - | 118.0 | | | | | | | | | | | | | |
| ---- | K 50/250A | 701 | 405 | 180 | 225 | 337 | 250 | 320 | - | - | 135.0 | | | | | | | | | | | | | |
| ---- | K 50/250AR | 701 | 405 | 180 | 225 | 337 | 250 | 320 | - | - | 148.0 | | | | | | | | | | | | | |
| ---- | K 65/125C | 733 | - | - | - | - | - | - | - | - | 159.5 | | | | | | | | | | | | | |
| ---- | K 65/125B | 511 | - | - | - | - | - | - | - | - | 62.0 | | | | | | | | | | | | | |
| ---- | K 65/125A | 557 | 340 | 180 | 291 | - | - | 212 | 280 | - | 67.7 | | | | | | | | | | | | | |
| ---- | K 65/160C | 557 | 340 | 160 | 291 | - | - | 212 | 280 | - | 72.0 | | | | | | | | | | | | | |
| ---- | K 65/160B | 621 | 360 | 200 | 300 | - | - | 47.5 | 47.5 | - | 100.0 | | | | | | | | | | | | | |
| ---- | K 65/160A | 621 | 360 | 200 | 300 | - | - | 47.5 | 47.5 | - | 107.0 | | | | | | | | | | | | | |
| ---- | K 65/200B | 716 | - | - | - | - | - | - | - | - | 123.0 | | | | | | | | | | | | | |
| ---- | K 65/200A | 719 | - | - | - | - | - | - | - | - | 128.0 | | | | | | | | | | | | | |
| ---- | K 65/200AR | 719 | - | - | - | - | - | - | - | - | 141.5 | | | | | | | | | | | | | |
| ---- | K 80/160D | 751 | - | - | - | - | - | - | - | - | 153.0 | | | | | | | | | | | | | |
| ---- | K 80/160C | 652 | 405 | 180 | 225 | - | - | 250 | 320 | - | 112.5 | | | | | | | | | | | | | |
| ---- | K 80/160B | 747 | - | - | - | - | - | 330 | - | - | 129.5 | | | | | | | | | | | | | |
| ---- | K 80/160A | 747 | - | - | - | - | - | 330 | - | - | 142.5 | | | | | | | | | | | | | |
| ---- | K 100/160C | 779 | - | - | - | - | - | - | - | - | 154.0 | | | | | | | | | | | | | |
| ---- | K 100/160B | 779 | - | - | - | - | - | - | - | - | 141.2 | | | | | | | | | | | | | |
| ---- | K 100/160A | 758 | 480 | 200 | 280 | 362 | 280 | 360 | 60 | 60 | 18 | 153.7 | | | | | | | | | | | | |
| ---- | K 100/160A | 790 | - | - | - | - | - | - | - | - | 165.2 | | | | | | | | | | | | | |

(*weight includes counterflanges)

| DN FLANGES mm | t mm | u mm | HOLES | |
|------------------|---------|---------|-------|--------|
| | | | N° | Ø (mm) |
| 32 | 140 | 100 | 4 | 18 |
| 40 | 150 | 110 | | |
| 50 | 165 | 125 | | |
| 65 | 185 | 145 | | |
| 80 | 200 | 160 | 8 | 18 |
| 100 | 220 | 180 | | |
| 125 | 250 | 210 | | |





K

standardised centrifugal pumps to EN 733 - DIN 24255

