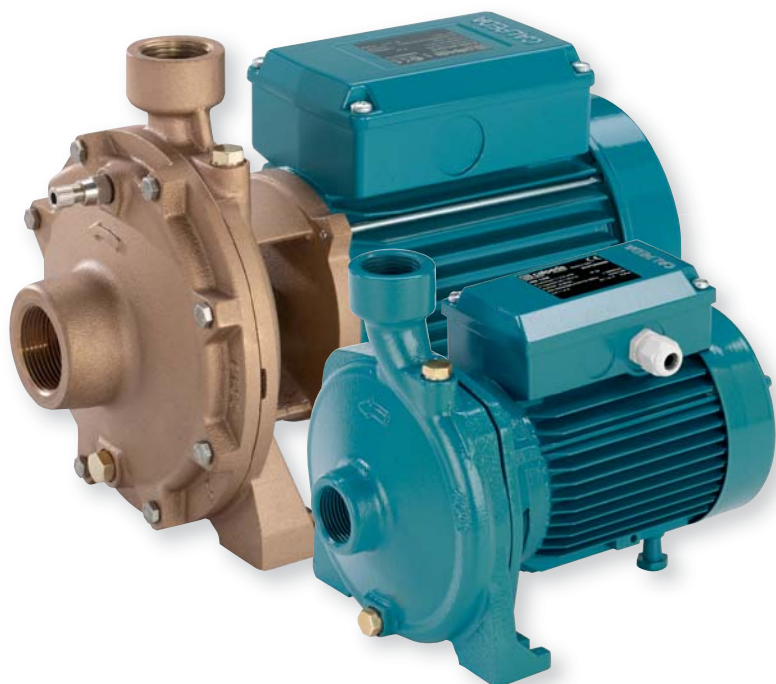


# NM, NMD

## Close Coupled Centrifugal Pumps with threaded ports



### Construction

Close-coupled, centrifugal pumps; electric motor with extended shaft directly connected to the pump.

**NM:** single-impeller

**NMD:** with two back-to-back impellers (with axial thrust balancing).

**Connections:** threaded ports ISO 228/1 (BS 2779).

NM, NMD: version with pump casing and lantern bracket in cast iron.

B-NM, B-NMD: version with pump casing and lantern bracket in bronze (the pumps are supplied fully painted).

### Applications

For clean liquids without abrasives, which are non-aggressive for the pump materials (solids content up to 0.2%).

For water supply.

For heating, air-conditioning, cooling and circulation plants.

For civil and industrial applications.

For fire fighting applications. For irrigation.

### Operating conditions

Liquid temperature from -10 °C to +90 °C.

Ambient temperature up to 40° C.

Total suction lift up to 7 m.

Maximum permissible working pressure up to 10 bar

(16 bar for pumps NMD 25/190; NMD 32/210; NMD 40/180).

Continuous duty.

### Motor

2-pole induction motor, 50 Hz ( $n \approx 2900$  rpm).

**NM, NMD:** three-phase 230/400 V  $\pm 10\%$  up to 3 kW;

400/690 V  $\pm 10\%$  from 4 to 9,2 kW;

**NMM, NMDM:** single-phase 230 V  $\pm 10\%$ , with thermal protector.

Insulation class F. Protection IP 54.

Motor suitable for operation with frequency converter from 1,1 kW.

**Classification scheme IE3 for three-phase motors from 0,75 kW.**

Constructed in accordance with EN 60034-1; EN 60034-30.

EN 60335-1, EN 60335-2-41.

### Special features on request

- Other voltages. - Frequency 60 Hz (as per 60 Hz data sheet).

- Protection IP 55. - Special mechanical seal

- Higher or lower liquid or ambient temperatures.

- Motor suitable for operation with frequency converter up to 0,75 kW.

The electropumps NM, B-NM series comply with the European Regulation no. 547/2012.

### Materials

Components	NM, NMD	B-NM, B-NMD
Pump casing	Cast iron	Bronze
Lantern bracket	GJL 200 EN 1561	G-Cu Sn 10 EN 1982
Impeller	Brass P- Cu Zn 40 Pb 2 UNI 5705	
NM 17	Cast iron GJL 200 EN 1561	Bronze G-Cu Sn 10 EN 1982
Shaft	Cr steel AISI 430 Cr Ni steel AISI 303 1,1 -1,5 - 2,2 kW	Cr Ni Mo steel AISI 316
NM 6	Cr steel AISI 430	
Mechanical seal	Carbon - Ceramic - NBR	

### Coverage chart $n \approx 2900$ rpm

