

C

**Centrifugal Pumps with open impeller**



**Construction**

Close-coupled centrifugal pumps with open impeller.  
Free-flow impeller (vortex or recessed impeller) for type C 16/1E.

**Applications**

For moderately dirty liquids or emulsions.  
For industry and agriculture.

**Operating conditions**

Liquid temperature from -10 °C to +90 °C.  
Ambient temperature up to 40 °C.  
Total suction lift up to 8 m.  
Maximum permissible working pressure: 6 bar.  
Maximum size of solids: 4 mm.  
Continuous duty.

**Motor**

2-pole induction motor, 50 Hz (n = 2900 rpm).  
**C**: three-phase 230/400 V ± 10%.  
**CM**: single-phase 230 V ± 10%, with thermal protector.  
Capacitor inside the terminal box.  
Insulation class F.  
Protection IP 54.  
Constructed in accordance with: IEC 60034.

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**Materials**

Component	C	B-C
Pump casing	Cast iron GJL 200 EN 1561	Bronze G-Cu Sn 10 EN 1982
Lantern bracket	Cast iron GJL 200 EN 1561	Bronze G-Cu Sn 10 EN 1982
Impeller	Brass P- Cu Zn 40 Pb 2 UNI 5705	
Shaft	Chrome steel 1.4104 EN 10088 (AISI 430)	Cr-Ni-Mo steel 1.4401 EN 10088 (AISI 316)
	Chrome-nickel steel 1.4305 EN 10088 (AISI 303) for C 41	
Mechanical seal	Carbon - Ceramic - NBR	

**Coverage chart n ≈ 2900 rpm**

