CT 61

Peripheral Pump

Materials (wetted parts)

Components	CT 61	B-CT 61
Pump casing	Cast iron GJL 200 EN 1561	Bronze G-Cu Sn 10 EN 1982
Casing cover motor side	Brass P- Cu Zn Pb 2 UNI 5705	
Impeller	Brass P- Cu Zn Pb 2 UNI 5705	
Shaft	Chrome steel AISI 430	
Mechanical seal	Carbon - Ceramic - NBR	

Construction

Close-coupled peripheral pump (regenerative pump) with turbine impeller. Compact, patented construction with single-piece motor casing and pump-side wall.
Protected against water entering the motor from outside.

CT: version with pump casing in cast iron.
B-CT: version with pump casing in bronze
(the pumps are supplied fully painted).

Applications

For clean liquids without abrasives, without suspended solids, non-explosive, non-aggressive for the pump materials.
For increasing network pressure (follow local specifications).
For the reduced dimensions, these pumps are very well suitable to be mounted in cooling and air-conditioning machines and equipments, circulation.

Operating conditions

Liquid temperature up to 60 °C.
Ambient temperature up to 40 °C.
Total suction lift up to 7 m.
Continuous duty.

Motor

2-pole induction motor, 50 Hz (n = 2900 rpm).
CT 61: three-phase 230/400 V ± 10%.
CTM 61: single-phase 230 V ± 10%, with thermal protector. Capacitor inside the terminal box.
Insulation class F.
Protection IP 54.
Constructed in accordance with: EN 60034-1; EN 60335-1, EN 60335-2-41.

Special features on request

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

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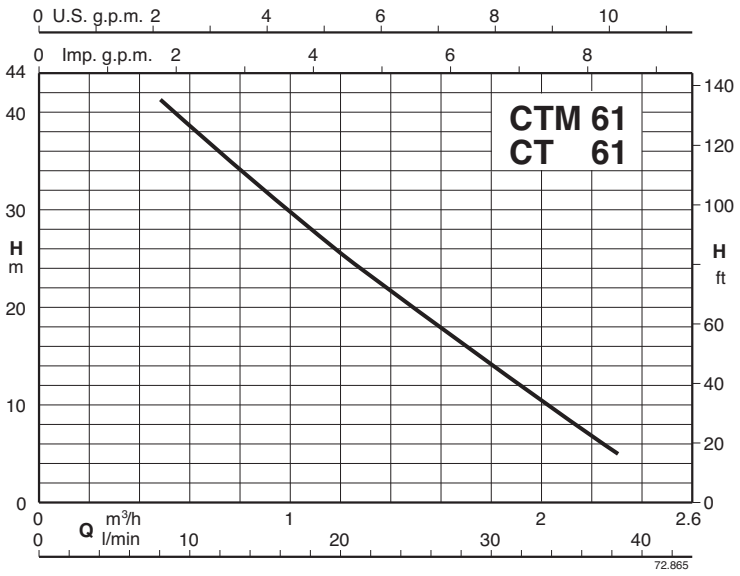
Coverage chart n ≈ 2900 rpm



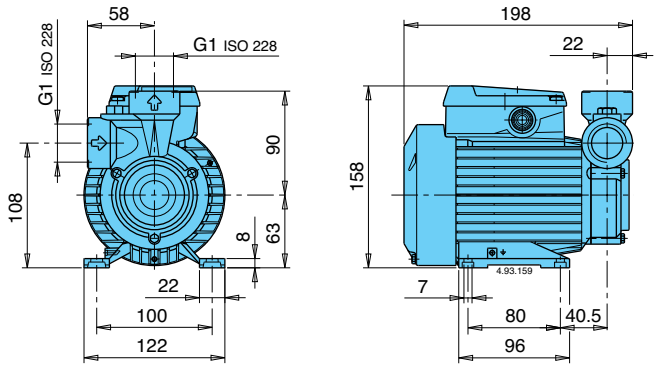
CT 61 Peripheral Pump

Performance n ≈ 2900 rpm

3~	230V	400V	1~	230V	P_2		Q m^3/h	0,48	0,6	0,75	0,96	1,2	1,5	1,89	2,3
	A	A		A	kW	HP	l/min	8	10	12,5	16	20	25	31,5	38
CT 61 B-CT 61	1,9	1,1	**CTM 61 B-CTM 61**	2,5	0,33	0,45	**H** m	41	38,5	35,5	31	25,5	19	11	5

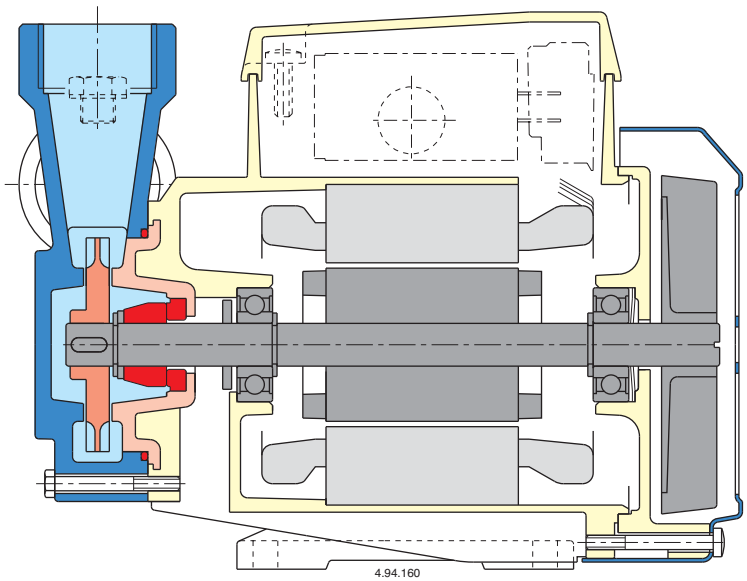
H Total head in m. P_2 Rated motor power output.

Dimensions and weights



CT 61	**4,9**	kg
CTM 61	**5**	kg
B-CT 61	**5,1**	kg
B-CTM 61	**5,2**	kg

Features



Patented