09/2016

water passion

# CT 61

## Peripheral Pump

## 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.

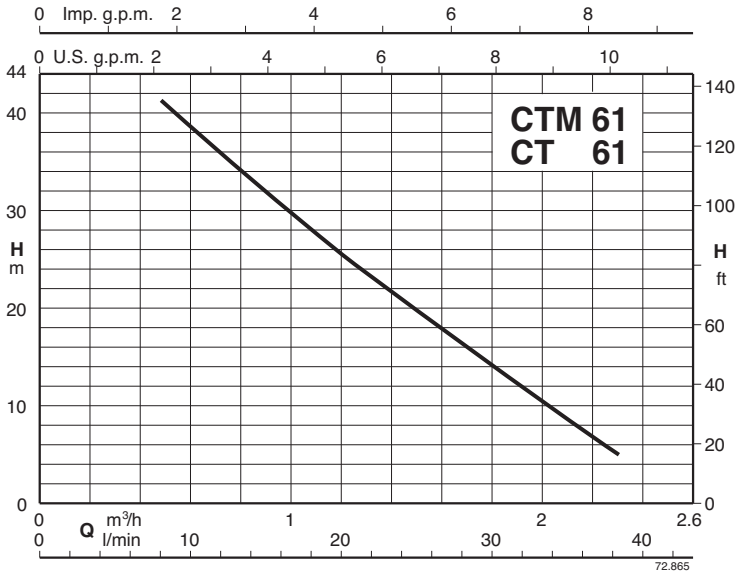
## Special features on request

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

## Materials

| 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 1.4104 EN 10088 (AISI 430) | |
| Mechanical seal | Carbon - Ceramic - NBR | |

## Coverage chart n ≈ 2900 rpm



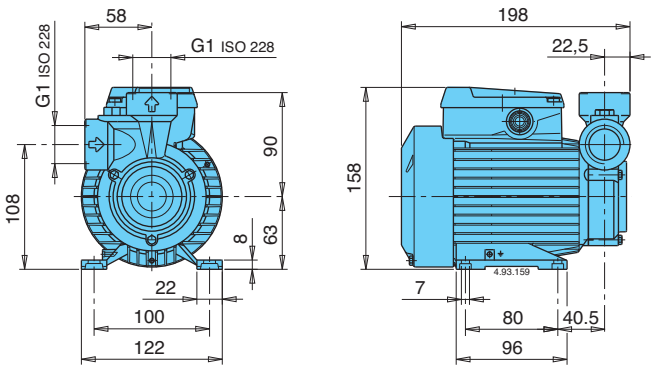
# CT 61 Peripheral Pump

## 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**<br>**B-CT 61** | 1,9 | 1,1 | **CTM 61**<br>**B-CTM 61** | 2,5 | 0,33 | 0,45 | **H** m | 41 | 38,5 | 35,5 | 31 | 25,5 | 19 | 11 | 3 |

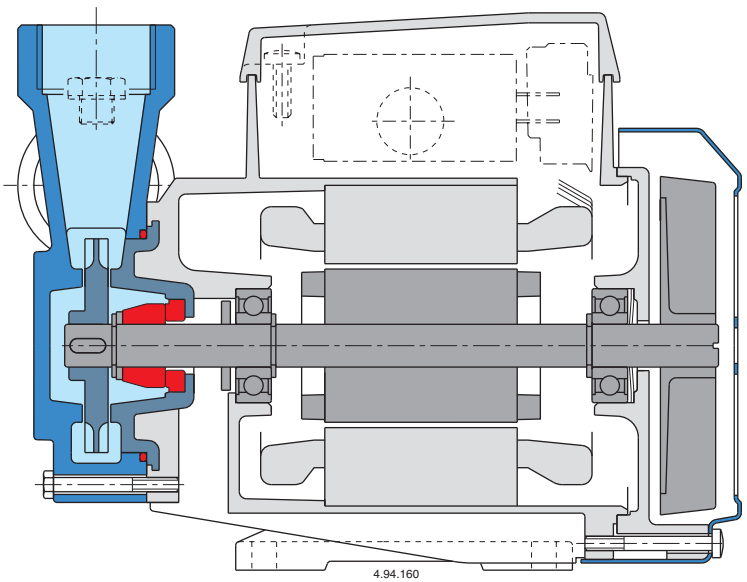
**H** Total head in m. $P_2$ Rated motor power output.

## 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

# CT 60 Peripheral Pump

## Materials

| Components | Materials |
|---|---|
| Pump casing | Cast iron GJL 200 EN 1561 |
| Casing cover motor side | Brass P- Cu Zn Pb 2 UNI 5705 |
| Impeller | Brass P- Cu Zn Pb 2 UNI 5705 |
| Shaft | Chrome steel 1.4104 EN 10088 (AISI 430) |
| Mechanical seal | Carbon - Ceramic - NBR |

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Protection IP 54.
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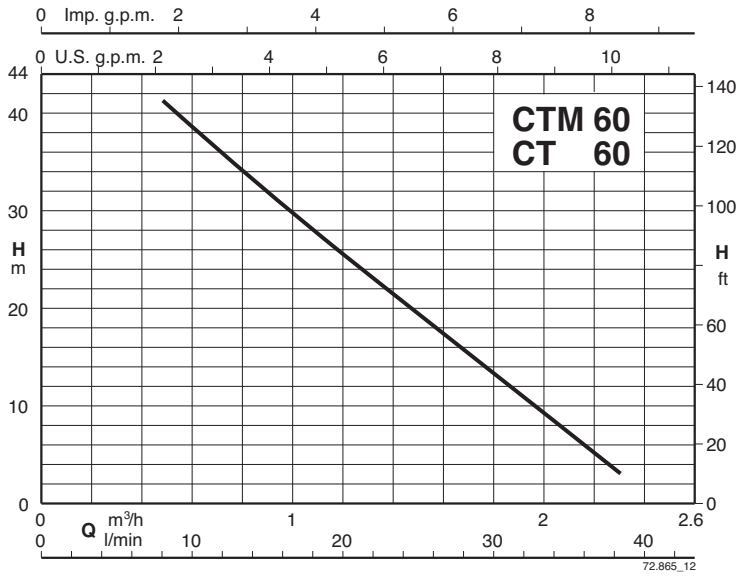
## Coverage chart n ≈ 2900 rpm



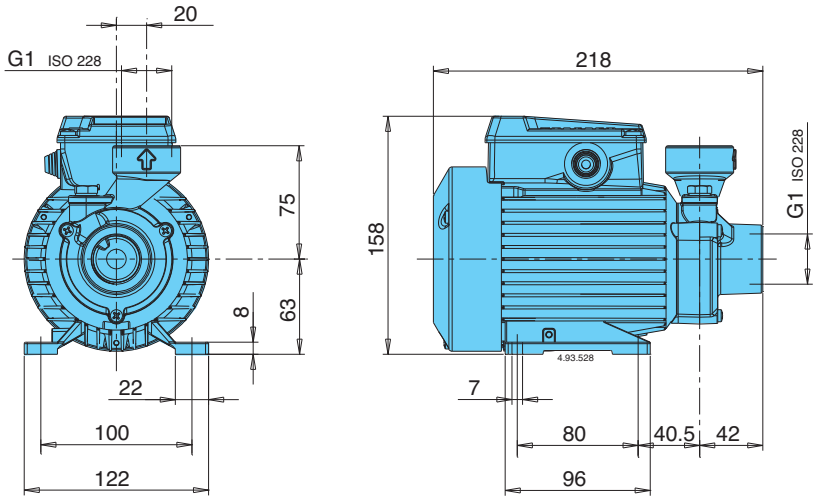
# CT 60 Peripheral Pump

## 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 60** | 1,9 | 1,1 | **CTM 60** | 2,5 | 0,33 | 0,45 | **H** m | 41 | 38,5 | 35,5 | 31 | 25,5 | 19 | 11 | 3 |

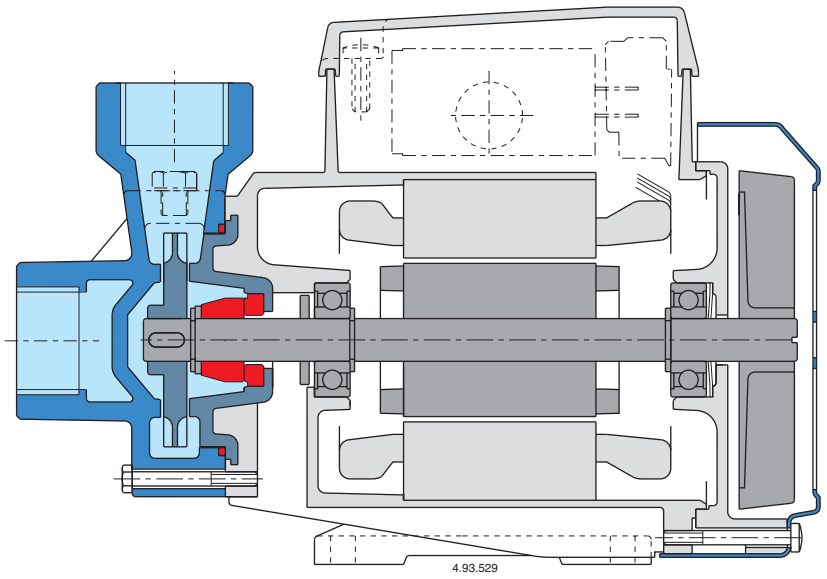
**H** Total head in m. $P_2$ Rated motor power output.

## Dimensions and weights




CT 60 **4,9** kg
CTM 60 **5** kg

## Features

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