



CP6W,8W,10W,12W CP4C Series

SUBMERSIBLE MOTORS

CP4C - CT4 SUBMERSIBLE MOTORS DIAMETER 4"

CP4C: 2 WIRE 1- PHASE MOTORS

High performance water filled submersible motors of encapsulated stator technology complete with integral starting capacitor. Lubrication of the rotor and thrust bearing system is guaranteed by internal water and glycol mixture.

SPECIFICATIONS

- Power & Voltages: 0.37kW to 1.1kW, 220V / 50Hz
- Voltage Tolerances: -10% / +6%
- Protection class IP 68
- Axial Thrust 2000N
- Class F insulation
- Maximum water temperature: 35°C
- Maximum starts per hour: 20 (Evenly distributed)
- Cooling water velocity minimum 0.2m/sec

FEATURES

- All motors are provided with removable lead connector
- Shaft extension and pump coupling dimensions according to NEMA 4" standard
- Kingsbury bidirectional thrust bearing with highly-resistant stainless steel tilting pads
- Die cast aluminum rotor with shaft end made of AISI 431 stainless steel
- Kingsbury bi-directional axial thrust bearing
- Replaceable running capacitor housed in robust non corroding sturdy case
- Outer shell in 304 SS, upper cover in 304 SS

CT4: 3 WIRE 1-PHASE & 3- PHASE MOTORS

High quality submersible motors designed for use with submersible centrifugal pumps. The stator windings, rotor and bearings are cooled and lubricated in a non-toxic FDA approved oil. Matching control boxes for single phase models include lightning arrestor.

SPECIFICATIONS

- Power & Voltages:
0.37kW to 4kW 1-Phase, 220V / 50Hz
0.37kW to 7.5kW 3-phase, 380-400V / 50Hz
- Voltage Tolerance: -10% / +6%
- Protection Class: IP 68
- Class B insulation
- Axial Thrusts: 3000N up to 2.2kW
6500N from 3kW up to 7.5kW
- Max immersion Depth: 300 meters
- Mounting: Vertical or horizontal
(to 3kW for 1-phase; to 4kW for 3-phase)
- Max Water Temperature: 35°C
- Cooling water velocity minimum, 0.2m/sec
- Mounting: Vertical or horizontal
(up to 3kW for 1-phase; up to 4kW for 3-phase)
- Maximum starts per hour: 1-phase to 2.2kW - 30, larger kW 20 starts
3-phase to 3kW 30 starts, larger kW 20 starts
(Evenly distributed)

FEATURES

- Shaft extension in AISI 431 and dimensions according to NEMA 4" standards
- All motors tested 100%, with high starting torque characteristics
- Outer shell 304 SS, upper support in forged brass
- Triple seal system on rotor shaft:
bi-directional mechanical seal, radial seal, and sand guard with laminar seal
- Three phase can be used with variable frequency drive (VFD)



CP6W-CP8W-CP10W-CP12W MOTORS SUBMERSIBLE REWINDABLE LIQUID COOLED MOTOR DIAMETERS 6" TO 12"

The choice of materials and the **robust design** ensures optimum operating performance, superior quality, reliability and ease of installation.

SPECIFICATIONS

- Shaft extension and coupling for 6" & 8" dimensions according to **NEMA** standards (6" and 8"). 10"-12" coupling dimensions (Refer ITT)
- Class **Y insulation** (standard)
- Protection class: **IP68**.
- Sandproof **mechanical seal**
- Maximum **immersion depth: 350 m**
- Maximum number of **starts per hour** evenly distributed: 15 (6"), 10 (8"), 8 (10"), 4 (12")
- **Voltage Variations:**
400 V \pm 10%
Different voltages available on request.
- **Axial thrust:**
6" up to 22 kW - 16000 N
6" from 26 kW to 37 kW - 30000 N
8" - 50000 N
10"-12" - 65000 N

FEATURES

- Rewindable stator design with easy to remove motor ends
- Compensating diaphragm for internal liquid expansion and bore pressure equalization
- Kingsbury bidirectional axial thrust bearing
- Dynamically balanced rotors
- Cable leads complies to WRAS (BS 6920)
- All motors 100% electrically and mechanically final tested

CONSTRUCTION OPTION

- Standard version, Cast Iron ends, 304 SS stator
- All 316 SS Version
- All Duplex Stainless Steel Version

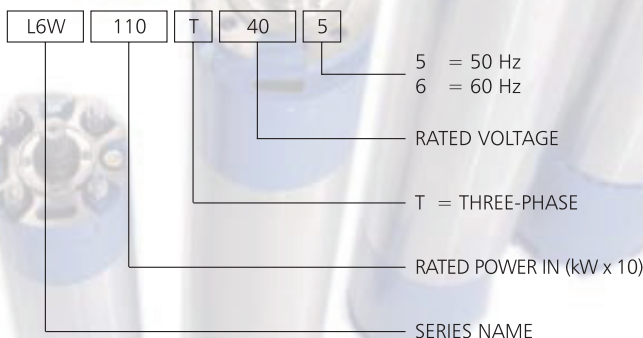
VERSIONS

- 6" from 4 kW to 37 kW
- 8" from 30 kW to 93 kW
- 10" from 93 kW to 150 kW
- 12" from 185 kW to 300 kW

OPTIONAL FEATURES

- High Temperature Windings for 60 °C
- Special Voltages & 4 Pole Versions
- PT100 or PTC - Temperature Sensors
- Silicon Carbide Mechanical Seals Option

IDENTIFICATION CODE



EXAMPLE: L6W110T405

L6W MOTOR:

RATED POWER 11 kW; THREE-PHASE; RATED VOLTAGE 400 V; 50 Hz

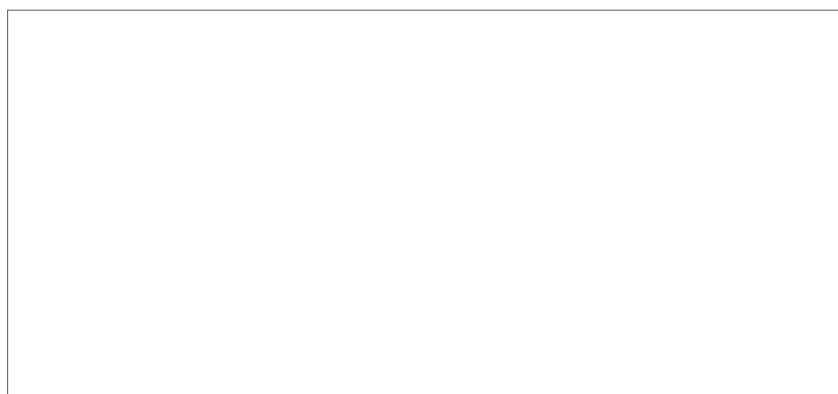


Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're 12,000 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

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