



ITT

ROBOT PUMPS

Channel pump

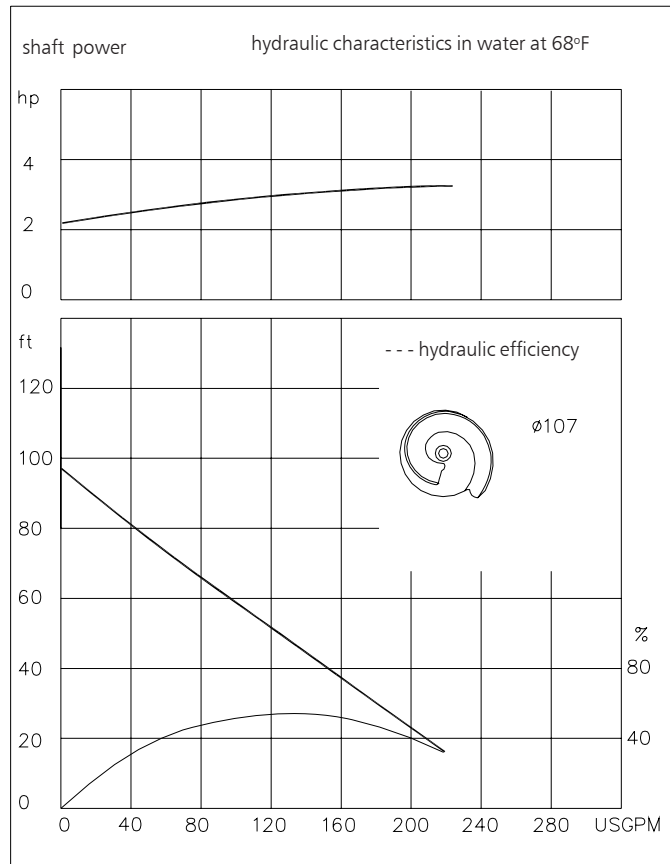
RC2210BE

60 Hz

The channel impeller pumps are designed to pump lightly contaminated waste water at high efficiencies. RC pumps are equipped with an open channel impeller running against an adjustable suction cover. Excellent for drainage or leakage water.

Pump 1 channel
 solids passage : 1³/₁₆"x2"
 suction diameter : 2"
 discharge diameter : 2"
 impeller code : 107
 recommended minimum flow : 24 USGPM

Motor
 rated horse power : 4.0 hp
 rated electrical power : 4.0 kW
 rated kVA : 4.4 kVA
 mains : 60 c/s - 3 phase
 speed : 3500 rpm
 rated efficiency : 75 %
 rated power factor (cos phi) : 0.90
 degree of protection : IP 68
 isolation class : F (311 °F)
 max. water temperature : 104 °F
 (higher temperatures on request)
 standard cable length : 33 ft
 max. submersion depth : 66 ft



15.9 USGPM = 1 l/s 1 hp = 0.746 kW 1 ft = 0.3 m 1 lb = 0.45 kg

Materials

motor housing : 1
 seal housing : 1
 volute : 1
 impeller : 1 5
 suction cover : 1
 shaft : 3 5
 bolts : 4 5
 elastomers : 8+9 10
 electrical cable : 9
 mechanical seals : oil lubricated
 pump seal : silicon carbide-silicon carbide
 motor seal : carbon-ceramic

| | | |
|----|--------------------------|-----------------------|
| 1 | cast iron | ASTM A-48 Cl.35 |
| 2 | sg cast iron | ASTM A445 Gr.60-46-18 |
| 3 | stainless steel | AISI 431 |
| 4 | stainless steel | AISI 304 |
| 5 | stainless steel | AISI 316 |
| 6 | stainless steel | AISI 329 |
| 7 | wear resistant sg iron | HB500 |
| 8 | nitrile | (NBR) |
| 9 | chlorinated polyethylene | (CPE) |
| 10 | viton | (FPM) |

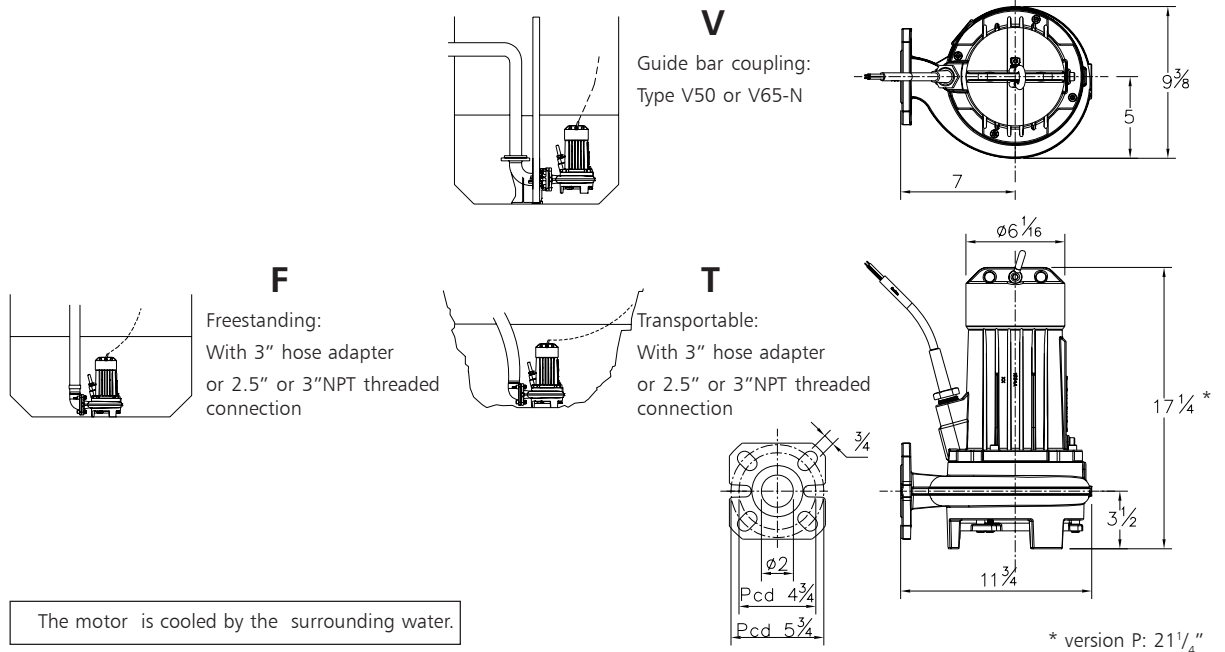
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Engineered for life



Installation options

RC2210BE



| Version | Weight | Optional: |
|---|---------|---|
| B Basic | 113 lbs | Thermoswitches in motorwindings |
| P FM approved version Certified according to: Class I, Division I, Groups C&D T4 Standard with thermoswitches | 129 lbs | Flexible protective sheating for cable (AISI 316) |
| | | Water detector in motor and oil housing |

Motor connection details

| voltage [V]* | rated current[A] | electrical cable size | | | | | |
|-----------------|---------------------|-----------------------|--|--|--|---------------------|--|
| | | DOL-start | | with waterdetector and/or thermoswitches | | FM approved version | |
| 220 | 11.7 | 14 AWG/4 | | 14 AWG/7 | | S3x2.5+4x1.5 | |
| 380 | 6.8 | 14 AWG/4 | | 14 AWG/7 | | S3x2.5+4x1.5 | |
| 440 | 5.9 | 14 AWG/4 | | 14 AWG/7 | | S3x2.5+4x1.5 | |
| 460 | 5.6 | 14 AWG/4 | | 14 AWG/7 | | S3x2.5+4x1.5 | |
| 575 | 4.5 | 14 AWG/4 | | 14 AWG/7 | | S3x2.5+4x1.5 | |

starting current DOL-start : 4.6 x rated current
starting current YD-start : 1.5 x rated current

* other voltages on request

We reserve the right to alter specifications without prior notice.