



ITT

ROBOT PUMPS

Channel pump

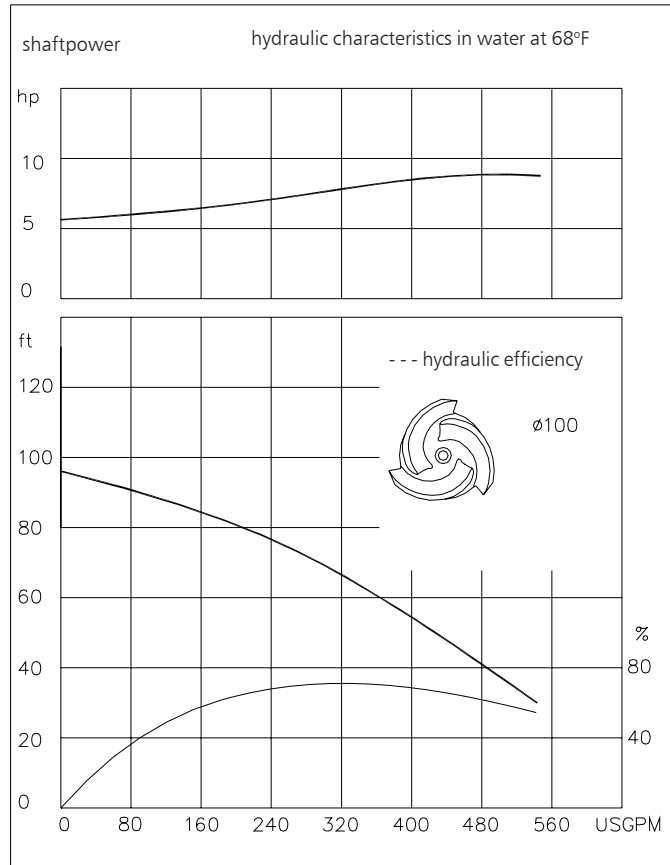
RC4115BM

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 3 channels
 solids passage : 1³/₁₆"
 suction diameter : 3¹/₈"
 discharge diameter : 3¹/₈"
 impeller code : 100
 recommended minimum flow : 55 USGPM

Motor
 rated horse power : 9.4 hp
 rated electrical power : 8.7 kW
 rated kVA : 10.0 kVA
 mains : 60 c/s - 3 phase
 speed : 3500 rpm
 rated efficiency : 80.5 %
 rated power factor (cos phi) : 0.87
 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)

www.ittwalphen.com

Engineered for life

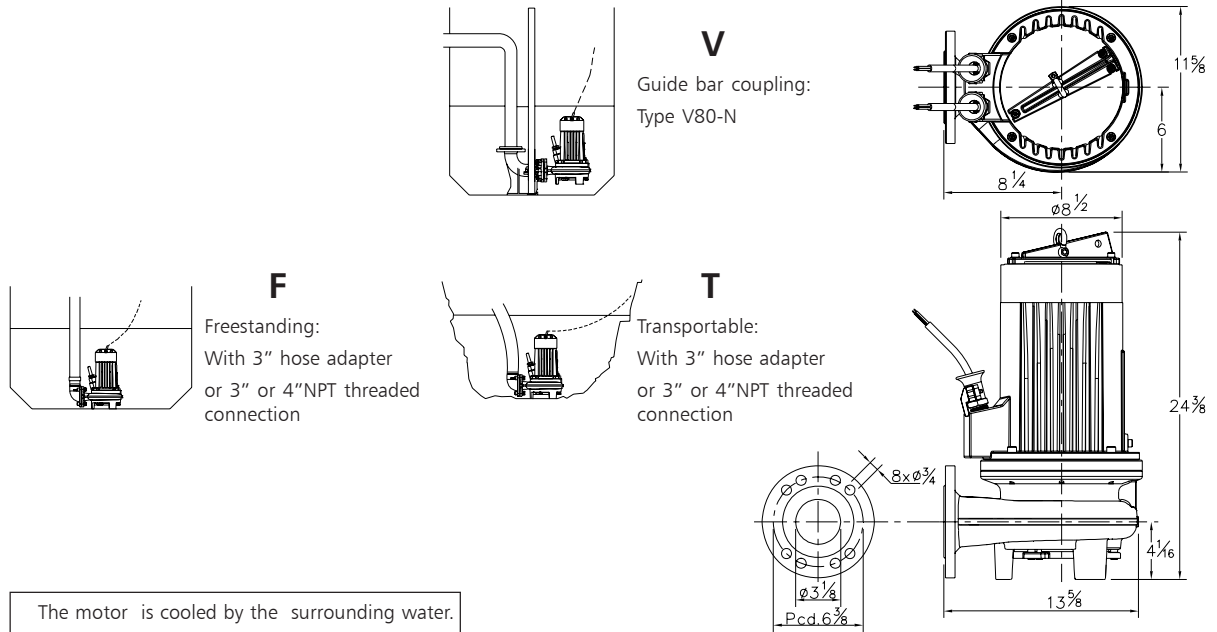


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Installation options

RC4115BM



Version

Weight

B Basic

220 lbs

Optional:

Thermoswitches in motorwindings

Flexible protective sheathing for cable
(AISI 316)

Water detector in motor and oil housing

Motor connection details

voltage [V]*	rated current[A]	electrical cable size			
				with waterdetector and/or thermoswitches	
		DOL-start	YD-start	DOL-start	YD-start
220	30.2	10 AWG/4	12 AWG/7	10 AWG/4 + 14 AWG/4	12 AWG/7 + 14 AWG/4
380	17.5	12 AWG/4	14 AWG/7	12 AWG/7	14 AWG/7 + 14 AWG/4
440	15.1	12 AWG/4	14 AWG/7	12 AWG/7	14 AWG/7 + 14 AWG/4
460	14.4	14 AWG/4	14 AWG/7	14 AWG/7	14 AWG/7 + 14 AWG/4
575	11.5	14 AWG/4	14 AWG/7	14 AWG/7	14 AWG/7 + 14 AWG/4

starting current DOL-start

: 6.3 x rated current

* other voltages on request

starting current YD-start

: 2.1 x rated current

We reserve the right to alter specifications without prior notice.