



ITT

ROBOT PUMPS

Channel pump

RC2215BH

50 Hz

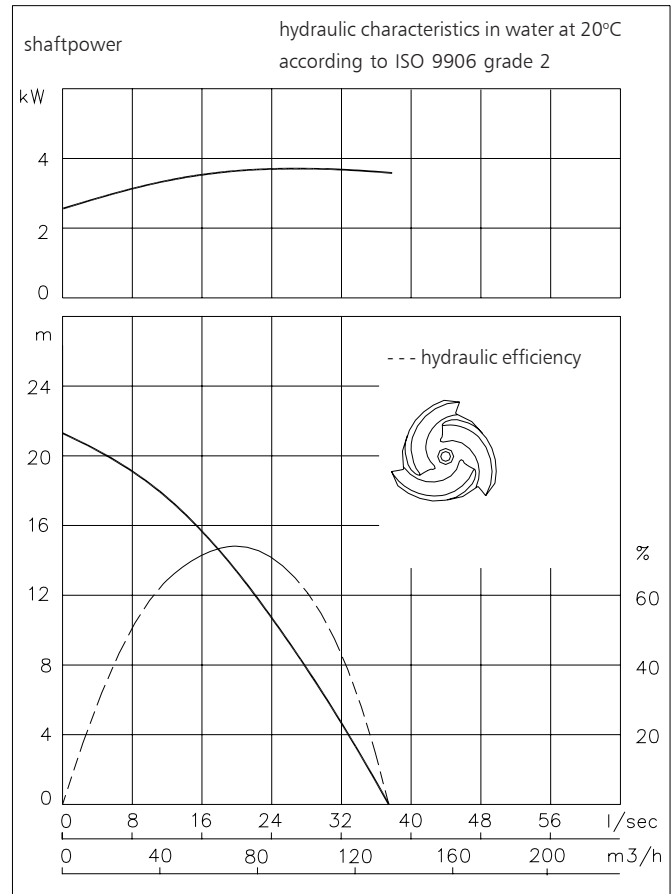
The channel impeller pumps are designed to pump lightly contaminated waste water at high efficiencies. RC pumps are equipped with an open channel impeller running against an adjustable suction cover.
Excellent for drainage or leakage water.

Pump

3 channels
 solids passage : 30 mm
 suction diameter : 80 mm
 discharge diameter : 65 mm
 impeller diameter : 103 mm
 recommended minimum flow : 2 l/s (8 m³/h)

Motor

rated shaft power : 4.0 kW
 rated electrical power : 4.9 kW
 mains : 50 Hz - 3 phase
 speed : 2900 rpm
 motor efficiency : 80 %
 rated power factor (cos phi) : 0.85
 degree of protection : IP 68
 isolation class : F (155 °C)
 max. water temperature : 40 °C
 (higher temp. on request)
 standard cable length : 10 m



Pump curves are for cast iron only.

Materials

motor housing : 1
 seal housing : 1
 volute : 1
 impeller : 1
 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
 primer : Alkyd primer
 top coating : Two component high-build polyurethane coating

1	cast iron	EN-GJL-250
2	sg cast iron	EN-GJS-400-15
3	stainless steel 431	X20 CrNi 17 2
4	stainless steel 304	X5 CrNi 18 10
5	stainless steel 316	X5 CrNiMo 17 12 2
6	stainless steel 329	X4 CrNiMoN 27 5 2
7	wear resistant sg iron	HB 500
8	nitrile	(NBR)
9	neoprene	(CR)
10	viton	(FPM)

www.ittwwwalphen.com

Engineered for life

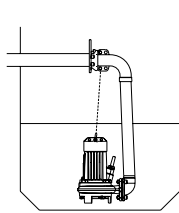


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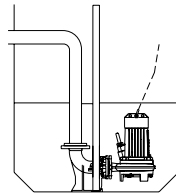
ROBOT PUMPS

Installation options

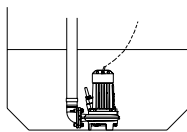
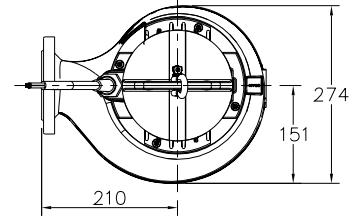
RC2215BH



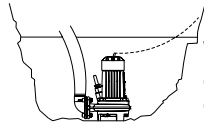
H
Header coupling:
Type HK65 or HK80



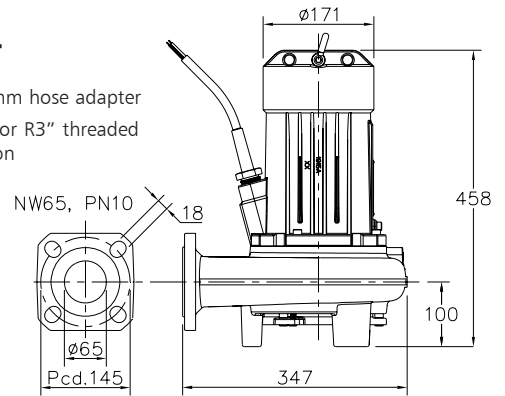
V
Guide bar coupling:
Type V65-N



F
Freestanding:
With 75mm hose adapter
or R2.5" or R3" threaded
connection



T
With 75mm hose adapter
or R2.5" or R3" threaded
connection



The motor is cooled by the surrounding water.

Version

B Basic

Weight

51 kg

Optional:

Thermoswitches in motorwindings.

Flexible protective sheating for cable
(AISI 316)

Water detector in motor and oil housing

Motor connection details

		number of cables x number of cores x cross section [mm ²]					
voltage [V]*	rated current[A]			with waterdetector and/or thermoswitches			
		DOL-start	YD-start	DOL-start	YD-start		
220	15.4	1x4x1.5	1x7x1.5	1x7x1.5	1x10x1.5		
380	8.9	1x4x1.5	1x7x1.5	1x7x1.5	1x10x1.5		
400	8.5	1x4x1.5	1x7x1.5	1x7x1.5	1x10x1.5		
415	8.2	1x4x1.5	1x7x1.5	1x7x1.5	1x10x1.5		
500	6.8	1x4x1.5	1x7x1.5	1x7x1.5	1x10x1.5		

starting current DOL- start : 6.2 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.