



ITT

ROBOT PUMPS

Stainless Steel Grinder pump

RS2210BH

60 c/s

The grinder pumps are designed to pump small quantities of water with high heads. Large solids are effectively cut into very small particles that can be pumped through small pipes without the risk of blocking.

These pumps are suitable for non-waste water applications where high heads are required.

The pumps can be used in aggressive applications pH = 1-13.

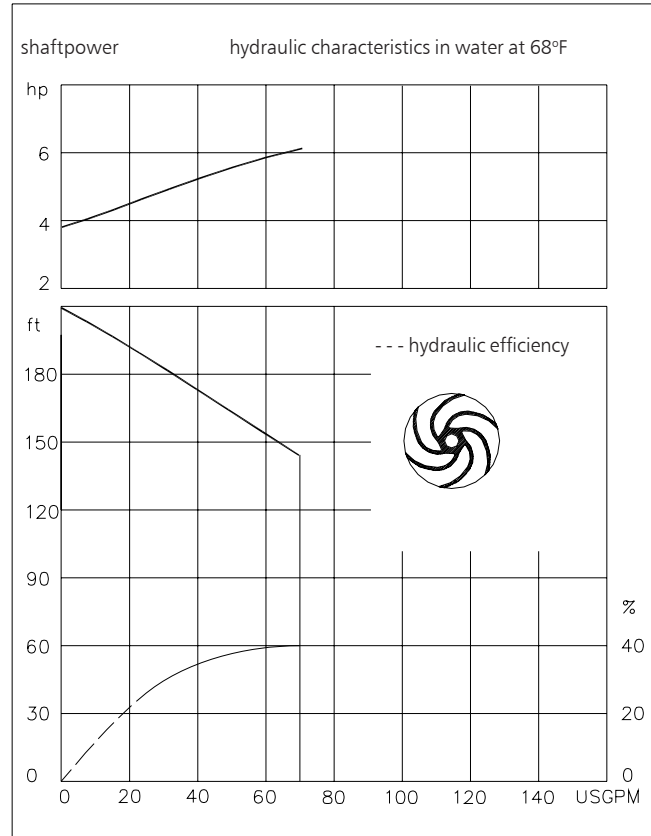
Standard elastomers are in FPM (Viton).

Pump

suction diameter : 1 5/8"
 discharge diameter : 1 5/8"
 impeller code : 168
 recommended minimum flow : 24 USGPM

Motor

rated horse power : 6.2 hp
 rated electrical power : 5.6 kW
 rated kVA : 6.6 kW
 mains : 60 c/s - 3 phase
 speed : 3500 rpm
 rated efficiency : 82 %
 rated power factor (cos phi) : 0.85
 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 : 5 6
 seal housing : 5 6
 volute : 5 6
 impeller : 5 6
 grinder parts : 7
 shaft : 5 6
 bolts : 5
 elastomers : 10
 electrical cable : 9
 mechanical seals : oil
 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	hardened stainless steel	(HRc 55)
8	nitrile	(NBR)
9	chlorinated polyethylene	(CPE)
10	viton	(FPM)

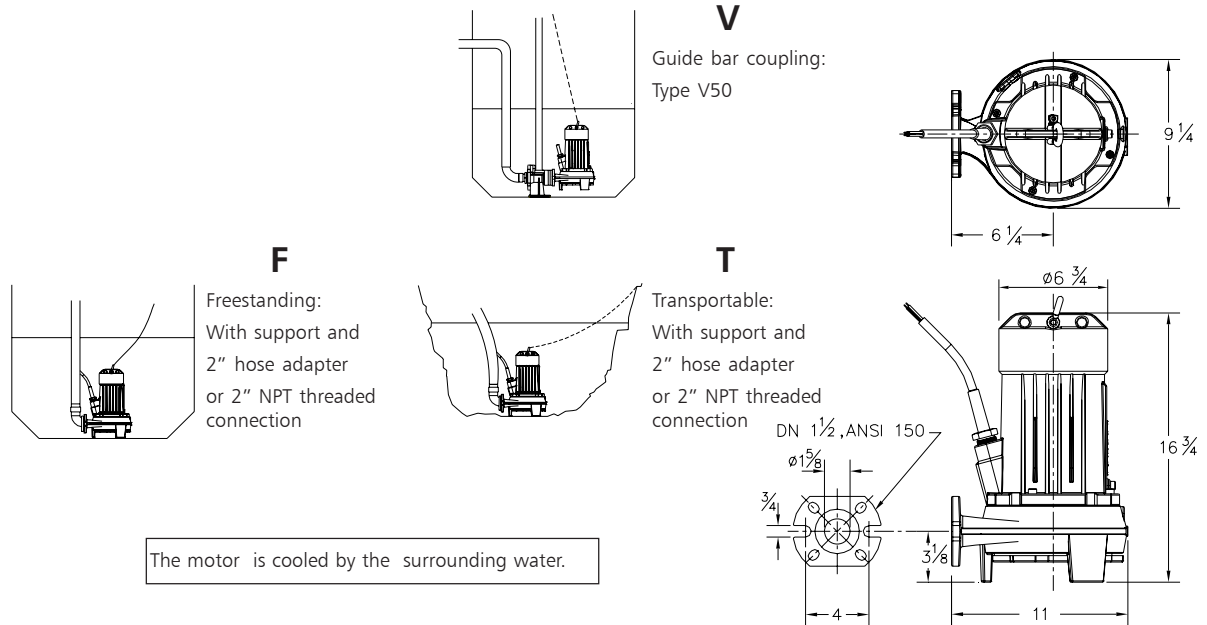
www.ittwalphen.com

Engineered for life



Installation options

RS2210BH



Versions

Weight

BR Basic Stainless Steel

Standard with thermostiches
All parts in stainless steel 316

105 lbs

BD Basic Duplex Steel

Standard with thermostiches
All casted parts in stainless steel 329

105 lbs

Optional:

Flexible protective sheating for cable
(AISI 316)

Water detector in motor and oil housing

Connection details

		electrical cable size			
voltage [V]*	rated current[A]			with thermostiches and/or waterdetector	
				DOL-start	
230	16.5			12 AWG/7	
380	10.0			14 AWG/7	
440	8.7			14 AWG/7	
460	8.3			14 AWG/7	
575	6.6			14 AWG/7	

starting current DOL- start

: 6.2 x rated current

* other voltages on request

We reserve the right to alter specifications without prior notice.