



ITT

ROBOT PUMPS

Stainless Steel Grinder pump

RS2210BE

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.

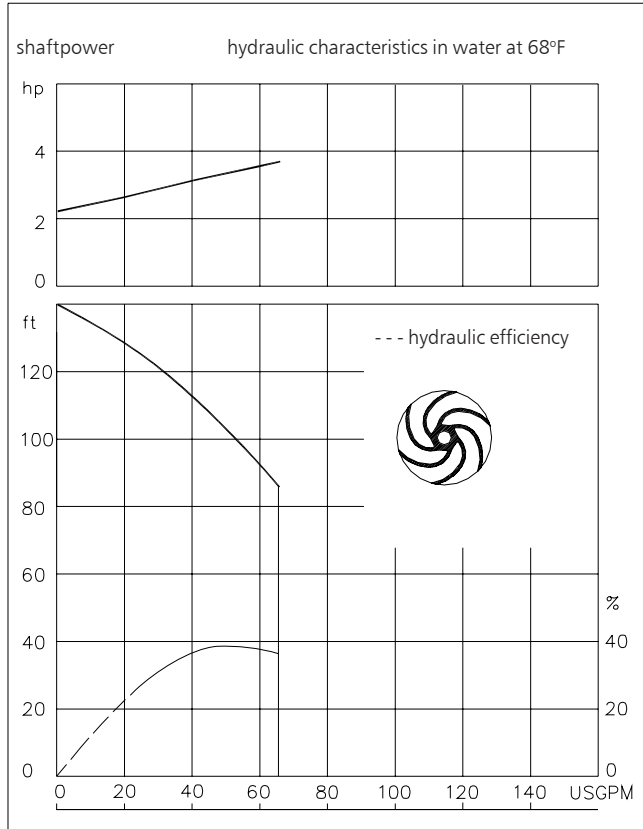
Standard elastomers are in FPM (Viton).

Pump

suction diameter : 1 5/8"
 discharge diameter : 1 5/8"
 impeller code : 146
 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 : 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)

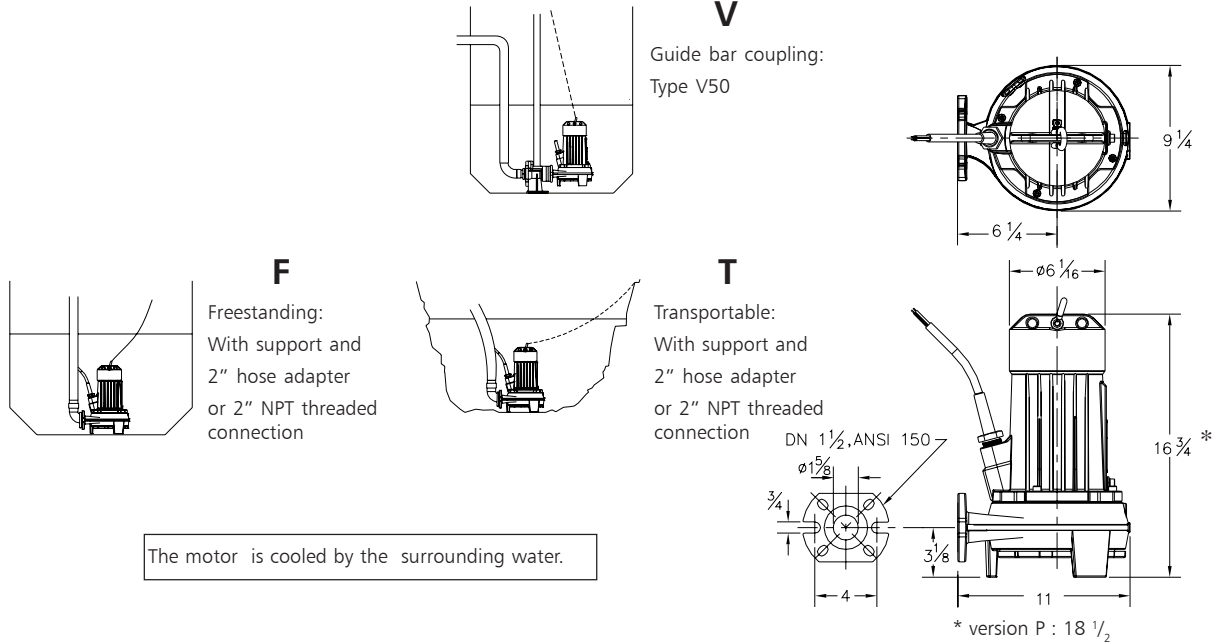
www.ittwalphen.com

Engineered for life



Installation options

RS2210BE



Versions

Weight

- BR Basic Stainless Steel**
Standard with thermostiches
All parts in stainless steel 316
- BD Basic Duplex Steel**
Standard with thermostiches
All casted parts in stainless steel 329
- PR FM approved version**
Certified according to:
Class I, Division I, Groups C&D T4
Standard with thermostats.
All parts in stainless steel 316

- 104 lbs
- 104 lbs
- 122 lbs

Optional:

- Flexible protective sheating for cable**
(AISI 316)
- Water detector** in motor and oil housing

Connection details

voltage [V]*	rated current[A]	electrical cable size					
		with thermostiches and/or waterdetector			FM approved version		
230	11.2			DOL-start		DOL-start	
380	6.8			14 AWG/7		7G2.5+2x1.5	
440	5.9			14 AWG/7		7G2.5+2x1.5	
460	5.6			14 AWG/7		7G2.5+2x1.5	
575	4.5			14 AWG/7		7G2.5+2x1.5	

starting current DOL-start

: 4.6 x rated current

* other voltages on request

We reserve the right to alter specifications without prior notice.