



# ITT

## ROBOT PUMPS

### Stainless Steel Grinder pump

### RS2210BB

### 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.

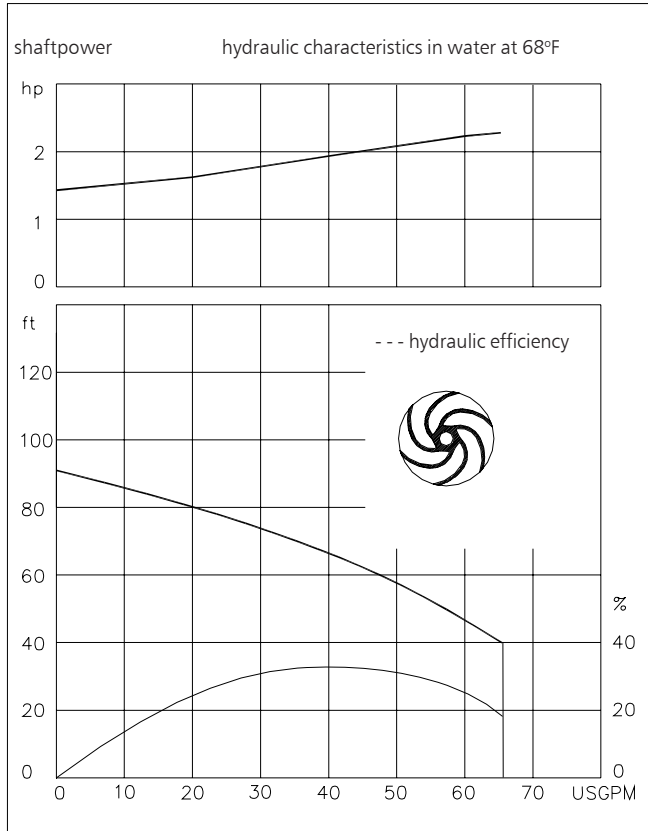
Standard elastomers are in FPM (Viton).

#### Pump

suction diameter : 1 5/8"  
 discharge diameter : 1 5/8"  
 impeller code : 123  
 recommended minimum flow : 24 USGPM

#### Motor

3 phase  
 rated horse power : 2.3 hp  
 rated electrical power : 2.4 kW  
 rated kVA : 2.6 kVA  
 mains : 60 c/s  
 speed : 3500 rpm  
 rated efficiency : 69 %  
 rated power factor (cos phi) : 0.91  
 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)

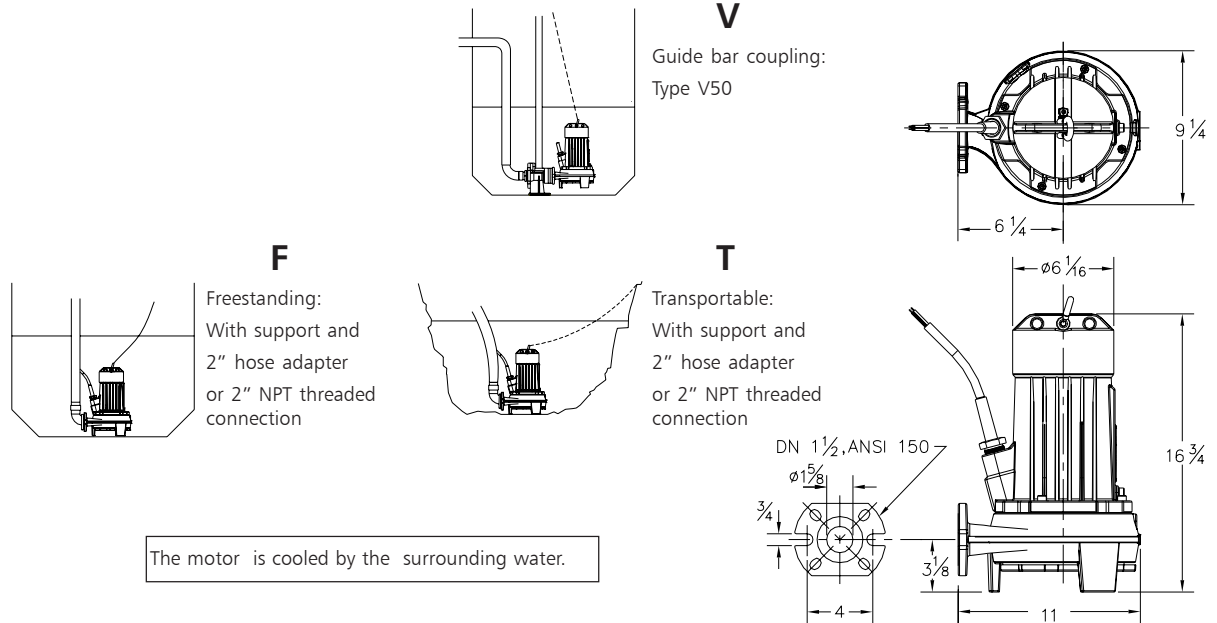
www.ittwalphen.com

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### Installation options

### RS2210BB



### Versions

#### BR Basic Stainless Steel

Standard with thermostiches  
All parts in stainless steel 316

### Weight

89 lbs

#### BD Basic Duplex Steel

Standard with thermostiches  
All casted parts in stainless steel 329

89 lbs

### Optional:

**Flexible protective sheating for cable**  
(AISI 316)

**Water detector** in motor and oil housing

### Connection details

		electrical cable size					
volt [V]*	rated curr. [A]			With thermostats and/or waterdector			
				DOL-start			
230	6.6			14 AWG/7			
380	4.0			14 AWG/7			
440	3.5			14 AWG/7			
460	3.3			14 AWG/7			
575	2.6			14 AWG/7			

starting current DOL-start

: 4.8 x rated current

\* other voltages on request

We reserve the right to alter specifications without prior notice.