



# ITT

## ROBOT PUMPS

### Stainless Steel Grinder pump

### RS2210BG

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.

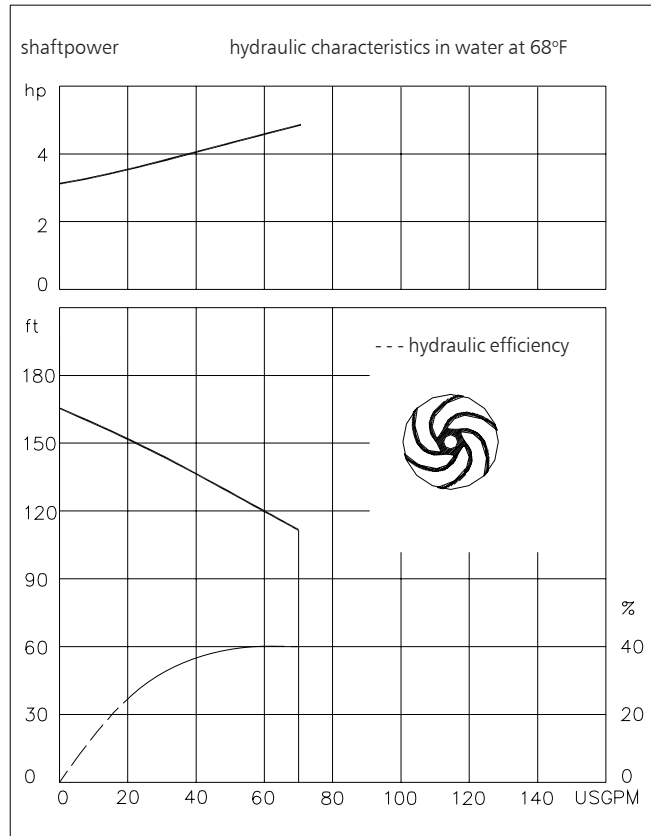
Standard elastomers are in FPM (Viton).

#### Pump

suction diameter : 1 5/8"  
discharge diameter : 1 5/8"  
impeller code : 156  
recommended minimum flow : 24 USGPM

#### Motor

rated horse power : 4.9 hp  
rated electrical power : 4.5 kW  
rated kVA : 6.6 kW  
mains : 60 c/s - 3 phase  
speed : 3500 rpm  
rated efficiency : 82 %  
rated power factor (cos phi) : 0.84  
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)

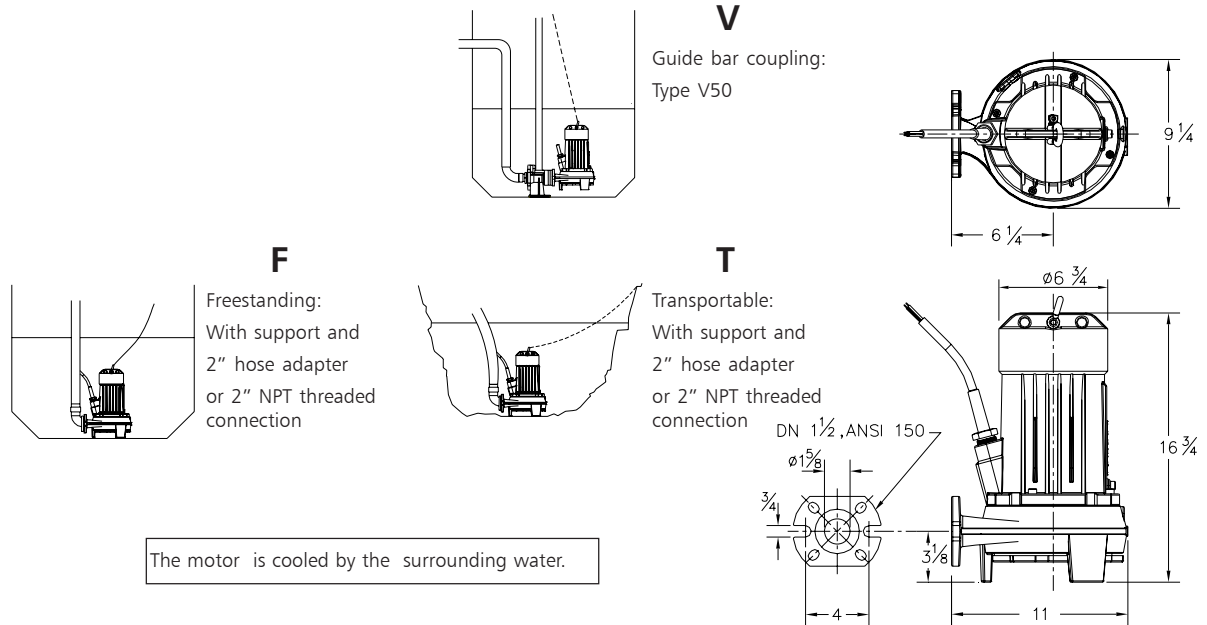
www.ittwalphen.com

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### Installation options

### RS2210BG



### 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

voltage [V]*	rated current[A]	electrical cable size			
				with thermostiches and/or waterdetector	
230	13.4			DOL-start	
380	8.1			14 AWG/7	
440	7.0			14 AWG/7	
460	6.7			14 AWG/7	
575	5.4			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.