



ITT

ROBOT PUMPS

Stainless Steel Grinder pump

RS2210BA-M

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.

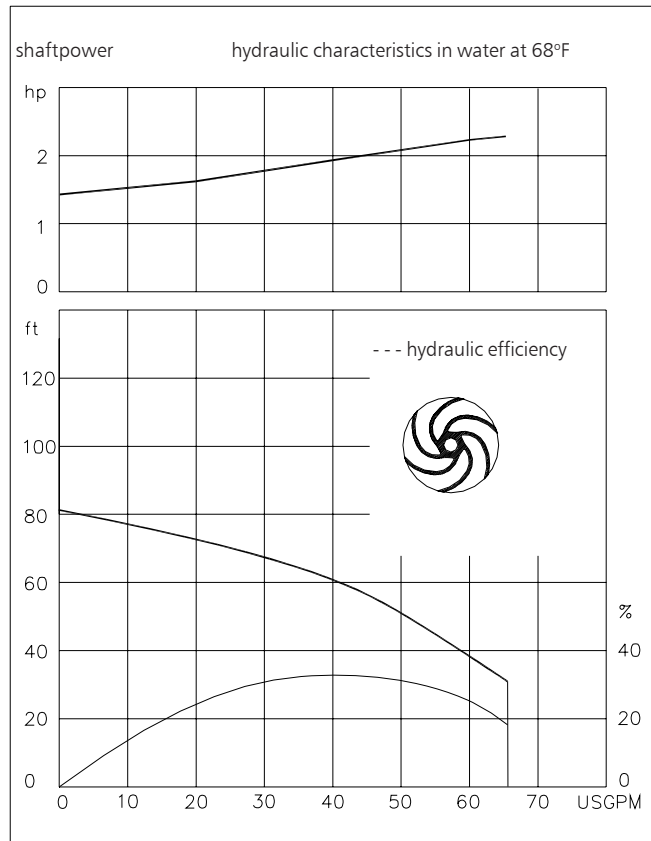
Standard elastomers are in FPM (Viton).

Pump

suction diameter : 1 5/8"
 discharge diameter : 1 5/8"
 impeller code : 114
 recommended minimum flow : 24 USGPM

Motor

1 phase
 rated horse power : 2.8 hp
 rated electrical power : 2.8 kW
 rated kVA : 2.9 kVA
 mains : 60 c/s
 speed : 3500 rpm
 rated efficiency : 75 %
 rated power factor (cos phi) : 0.98
 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) |

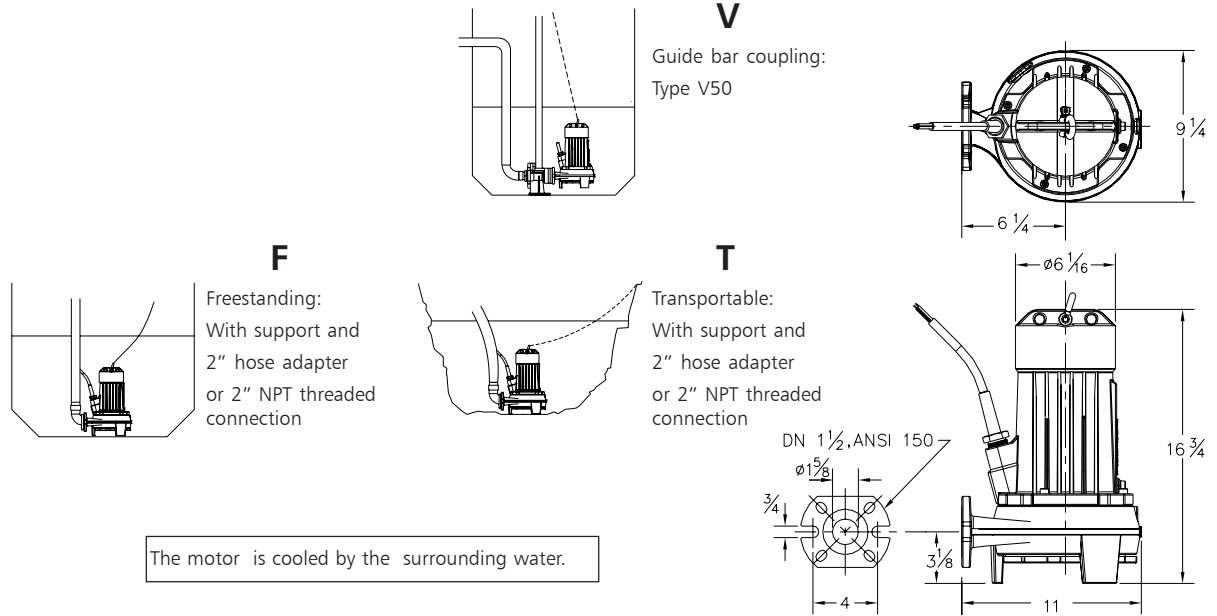
www.ittwalphen.com

Engineered for life



Installation options

RS2210BA-M



Versions

BR Basic Stainless Steel

Standard with thermostiches
All parts in stainless steel 316

Weight

98 lbs

BD Basic Duplex Steel

Standard with thermostiches
All casted parts in stainless steel 329

98 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 thermostiches | | | |
| | | | | start/run capacitor | |
| 115 | 23 | | 12 AWG/7 | 200 uF/120 uF- 450V | |
| 230 | 12 | | 14 AWG/7 | 60 uF/35 uF- 450V | |

starting current

: 2.9 x rated current (with start capacitor)

* other voltages on request

We reserve the right to alter specifications without prior notice.