



# ITT

## ROBOT PUMPS

### Stainless Steel Grinder pump

### RS2210AK

### 50 Hz

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

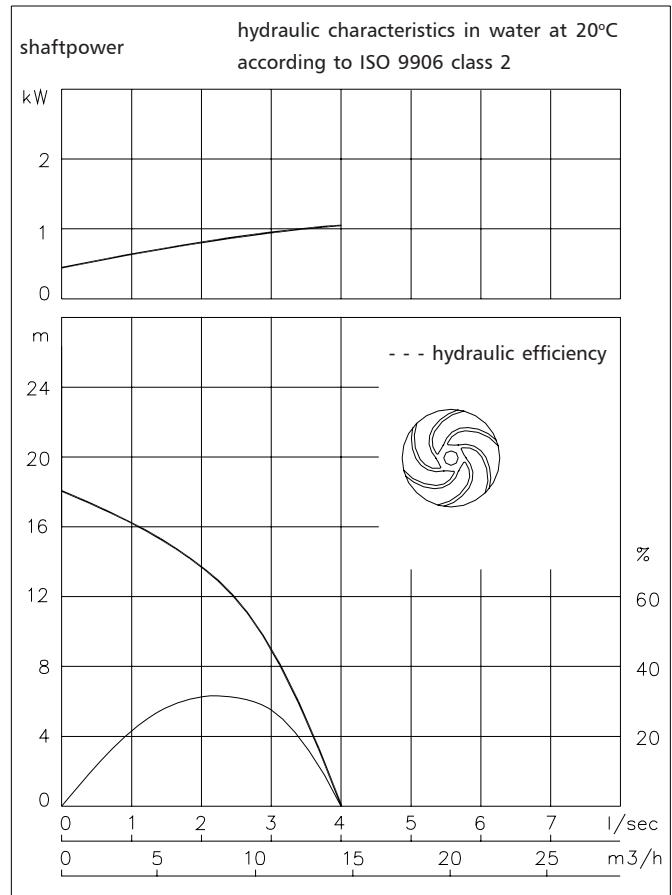
The pumps can be used in aggressive applications pH = 1-13. Standard elastomers are in FPM (Viton).

#### Pump

suction diameter : 40 mm  
discharge diameter : 40 mm  
impeller diameter : 114 mm  
recommended minimum flow : 0.5 l/s (2 m<sup>3</sup>/h)

#### Motor

rated shaft power : 1.1 kW  
rated electrical power : 1.5 kW  
mains : 50 Hz - 3 phase  
nominal speed : 2900 rpm  
motor efficiency : 69 %  
rated power factor (cos phi) : 0.88  
degree of protection : IP 68  
isolation class : F (155 °C)  
max. water temperature : 40 °C  
(higher temp. on request)  
standard cable length : 10 m



#### 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  
seal lubrication : oil  
pump seal : silicon carbide-silicon carbide  
motor seal : carbon-ceramic

1	cast iron	EN-GJL-250
2	sg cast iron	EN-GJS-400-15
3	stainless steel 431	X20 CrNi 17 2
4	stainless steel 304	X5 CrNi 18 10
5	stainless steel 316	X5 CrNiMo 17 12 2
6	stainless steel 329	X4 CrNiMoN 27 5 2
7	hardened stainless steel (HRc 55)	
8	nitrile	(NBR)
9	chlorinated polyethylene	(CPE)
10	viton	(FPM)

[www.ittwalphen.com](http://www.ittwalphen.com)

*Engineered for life*

