



Stainless Steel Grinder pump

RS2210BB

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.

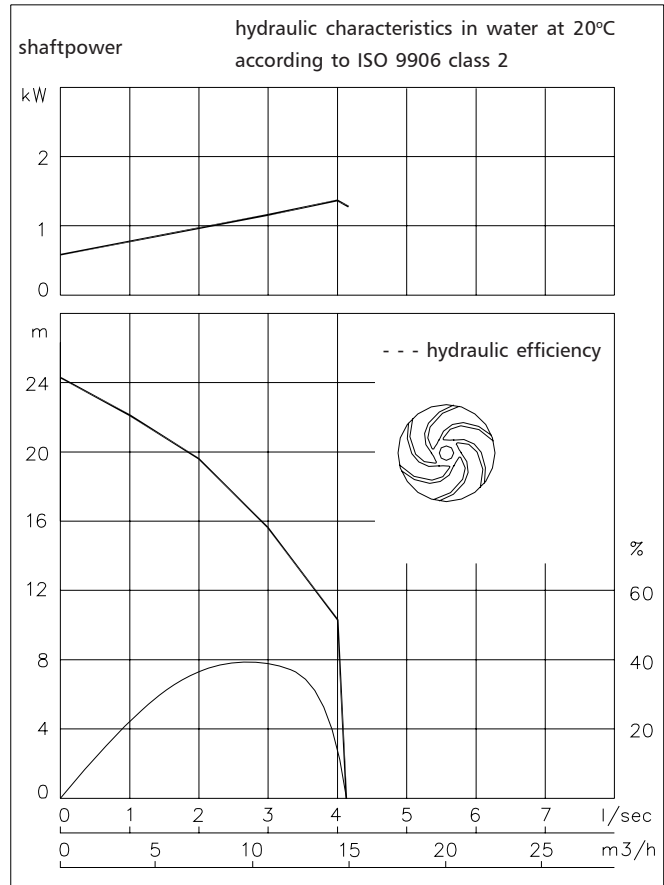
The pumps can be used in aggressive applications pH = 1-13. Standard elastomers are in FPM (Viton).

Pump

- suction diameter : 40 mm
- discharge diameter : 40 mm
- impeller diameter : 130 mm
- recommended minimum flow : 0.5 l/s (2 m³/h)

Motor

- rated shaft power : 1.5 kW
- rated electrical power : 2.1 kW
- mains : 50 Hz - 3 phase
- nominal speed : 2900 rpm
- motor efficiency : 69 %
- rated power factor (cos phi) : 0.91
- 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

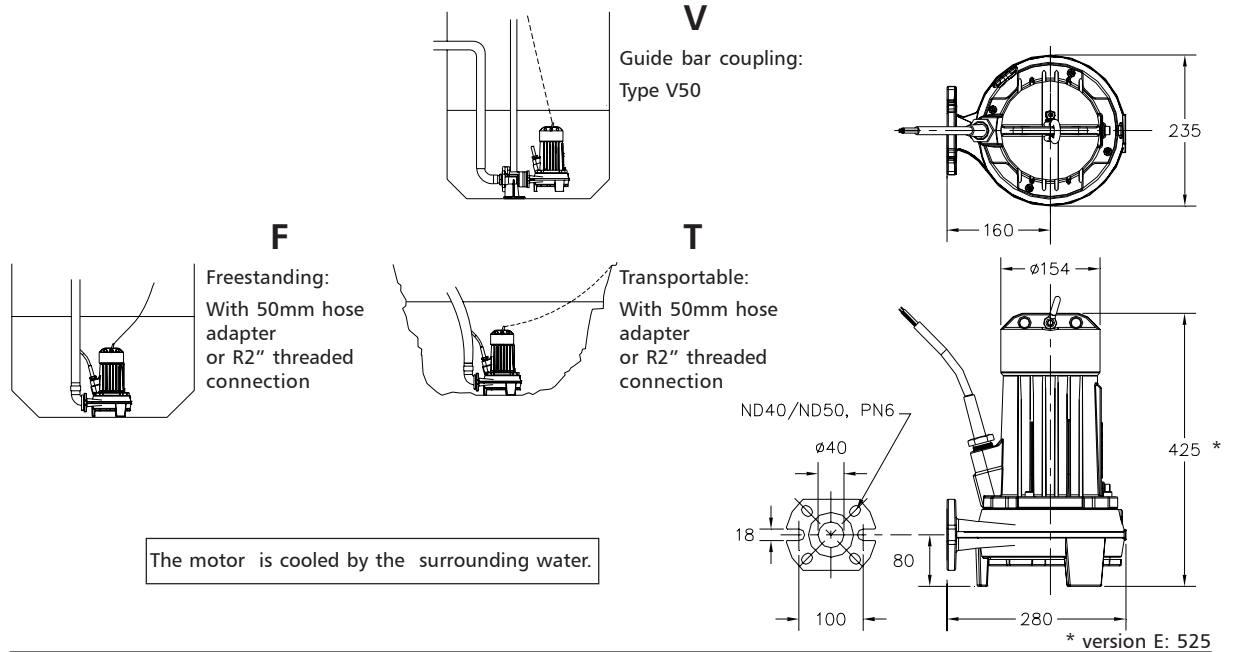
- motor housing : 5 6
- seal housing : 5 6
- volute : 5 6
- impeller : 5 6
- grinder parts : 7
- shaft : 5 6
- bolts : 5
- elastomers : 10
- electrical cable : 9
- seal lubrication : oil
- pump seal : silicon carbide-silicon carbide
- motor seal : carbon-ceramic

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)



Installation options

RS2210BB



Version

Weight

BR Basic Stainless Steel

Standard with thermostiches
All external parts in stainless steel 316

40 kg

BD Basic Duplex Steel

Standard with thermostiches
All casted parts in stainless steel 329

40 kg

ER Explosion proof

Certified according to: II 2 G Ex de IIB c T4
Standard with thermostiches
All parts in stainless steel 316

47 kg

Optional:

Flexible protective sheating for cable
(AISI 316)

Water detector in motor and oil housing
(for explosion proof version only in oil housing with external cable)

Motor connection details

voltage [V]*	rated current[A]	number of cables x number of cores x cross section [mm ²]					
		with thermostiches			explosion proof version		
				DOL-start		DOL-start	
220	6.1			4 G 1.5 + 2x1.5		7 G 2.5	
380	3.5			4 G 1.5 + 2x1.5		7 G 2.5	
400	3.3			4 G 1.5 + 2x1.5		7 G 2.5	
415	3.2			4 G 1.5 + 2x1.5		7 G 2.5	
500	2.7			4 G 1.5 + 2x1.5		7 G 2.5	

starting current DOL-start

: 4.8 x rated current

* other voltages on request

We reserve the right to alter specifications without prior notice