



### Vortex stainless steel pump

### RW2140DD

### 60 c/s

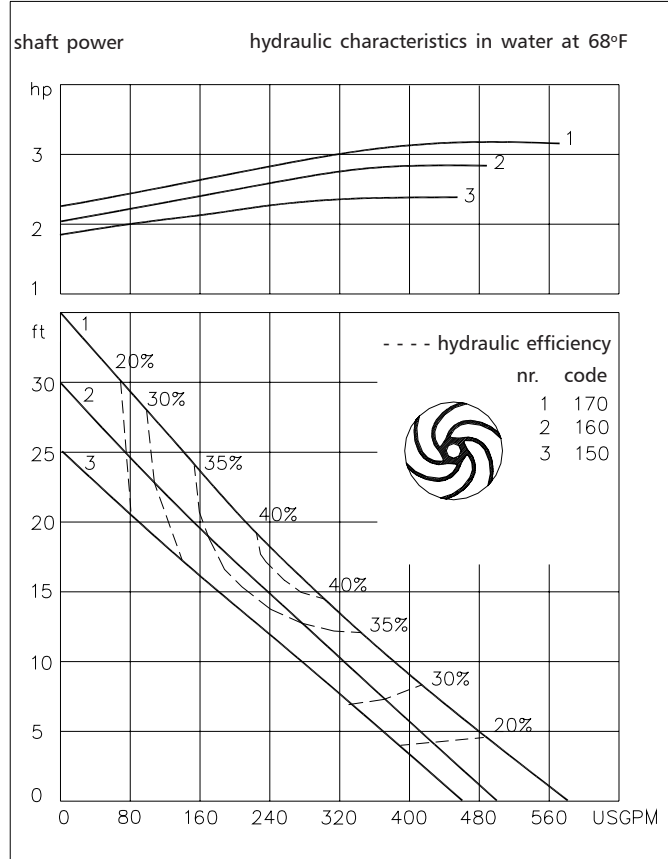
The vortex stainless steel pumps are designed to pump a wide variety of solids contaminated liquids in many applications. Vortex pumps are used for sewage and other waste water applications. The pump can be used in aggressive applications pH = 1-13. Standard elastomers are in FPM (Viton).

#### Pump

solids passage : 4"  
 suction diameter : 4"  
 discharge diameter : 4"  
 impeller code : 170-150  
 recommended minimum flow : 95 USGPM

#### Motor

rated horse power : 3.4 hp  
 rated electrical power : 3.6 kW  
 rated kVA : 4.0 kVA  
 mains : 60 c/s - 3 phase  
 speed : 1750 rpm  
 rated efficiency : 71 %  
 rated power factor (cos phi) : 0.89  
 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  
 shaft : 5  
 bolts : 5

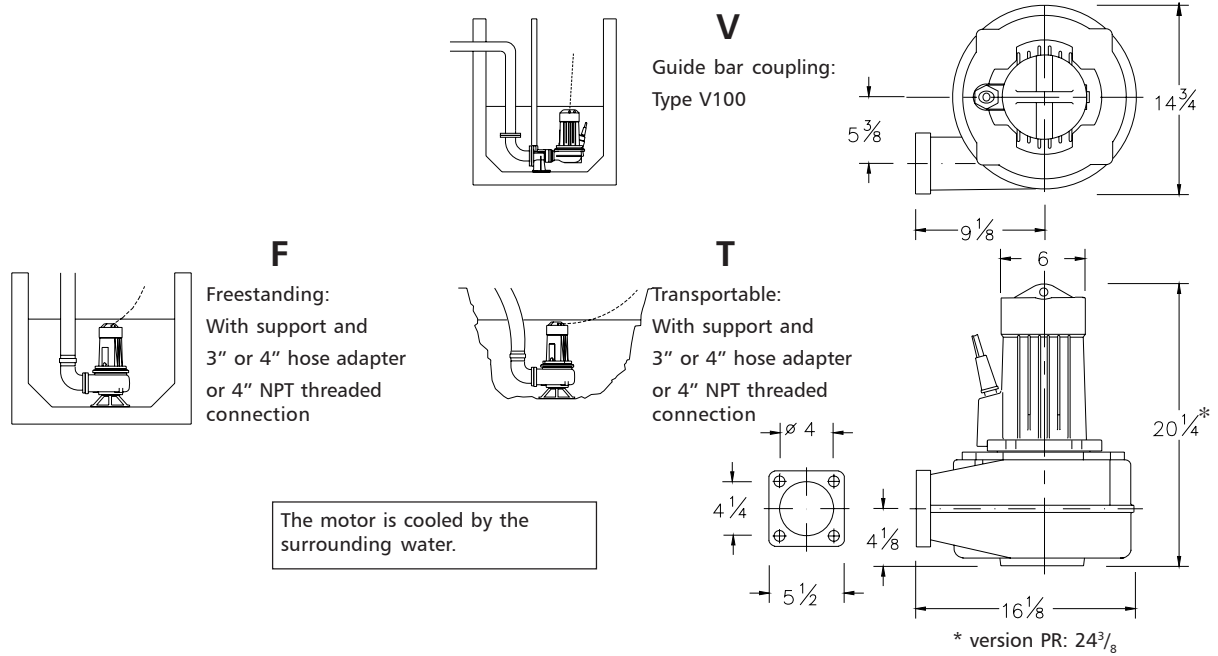
elastomers : 10  
 electrical cable : 9  
 seal lubrication : oil  
 pump seal : silicon carbide-silicon carbide  
 motor seal : carbon-ceramic

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	wear resistant sg iron	HB500
8	nitrile	(NBR)
9	neoprene	(CR)
10	viton	(FPM)



### Installation options

### RW2140DD



### Versions

### Weight

#### BR Basic Stainless Steel

172 lbs

Standard with thermostiches  
All parts in stainless steel 316

#### BD Basic Duplex Steel

172 lbs

Standard with thermostiches  
All casted parts in stainless steel 329

#### PR FM approved version

198 lbs

Certified according to:  
Class I, Division I, Groups C&D T4  
Standard with thermostiches  
All parts in stainless steel 316

### Optional:

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

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

### Motor connection details

voltage [V]*	rated current[A]	electrical cable size				
		with waterdetector and/or thermostiches		FM approved version		
			DOL-start	YD-start	DOL-start	
220	10.4		1xAWG 14/7	1xAWG 16/10	1xAWG 14/7	
380	6.0		1xAWG 14/7	1xAWG 16/10	1xAWG 14/7	
440	5.2		1xAWG 14/7	1xAWG 16/10	1xAWG 14/7	
460	5.0		1xAWG 14/7	1xAWG 16/10	1xAWG 14/7	
575	4.0		1xAWG 14/7	1xAWG 16/10	1xAWG 14/7	

starting current DOL-start : 3.4 x rated current

\* other voltages on request

starting current YD-start : 1.1 x rated current

We reserve the right to alter specifications without prior notice.