



# ITT

## ROBOT PUMPS

### Vortex stainless steel pump

### RW2131DG

60 c/s

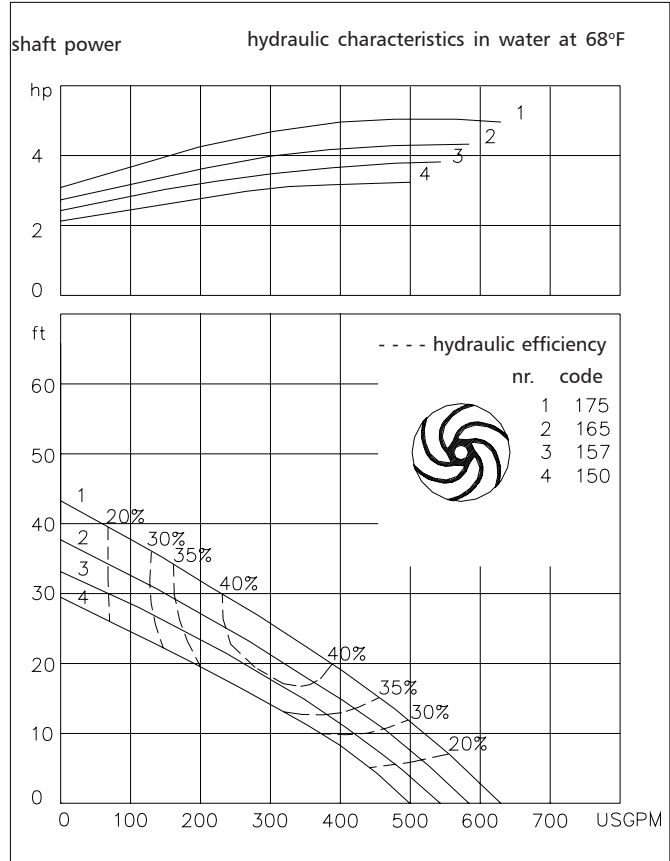
The vortex stainless steel pumps are designed to pump a wide variety of solids contaminated liquids in many applications. Vortex pumps are used for sewage and other waste water applications. The pump can be used in aggressive applications pH = 1-13. Standard elastomers are in FPM (Viton).

#### Pump

solids passage : 3"  
 suction diameter : 4"  
 discharge diameter : 4"  
 impeller code : 175-150  
 recommended minimum flow : 95 USGPM

#### Motor

rated horse power : 5.4 hp  
 rated electrical power : 5.2 kW  
 rated kVA : 6.1 kVA  
 mains : 60 c/s - 3 phase  
 speed : 1750 rpm  
 rated efficiency : 77 %  
 rated power factor (cos phi) : 0.85  
 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)

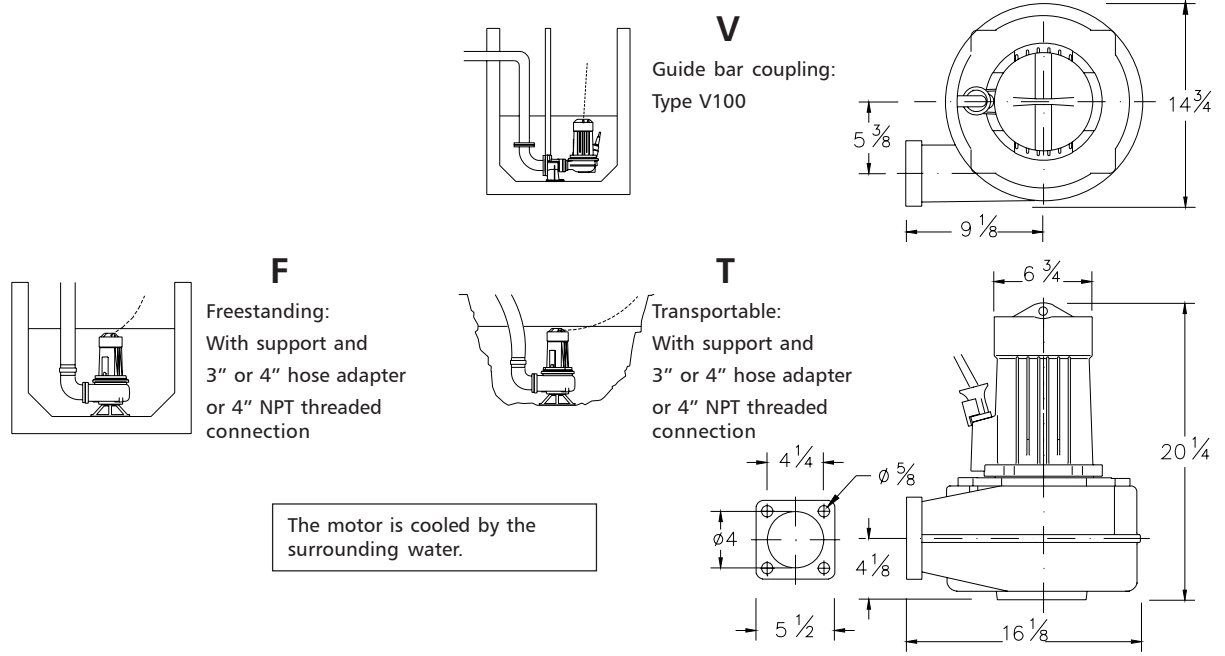
www.ittwalphen.com

*Engineered for life*



### Installation options

### RW2131DG



### Versions

### Weight

#### BR Basic Stainless Steel

196 lbs

Standard with thermostiches  
All parts in stainless steel 316

#### BD Basic Duplex Steel

196 lbs

Standard with thermostiches  
All casted parts in stainless steel 329

### Optional:

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

**Water detector** in motor and oil housing

### Motor connection details

voltage [V]*	rated current[A]	electrical cable size			
		with waterdetector and/or thermostiches			
		DOL-start	YD-start		
220	16.0	1xAWG14/7	1xAWG16/10		
380	9.3	1xAWG14/7	1xAWG16/10		
440	8.0	1xAWG14/7	1xAWG16/10		
460	7.7	1xAWG14/7	1xAWG16/10		
575	6.1	1xAWG14/7	1xAWG16/10		

starting current DOL-start : 4.3 x rated current

\* other voltages on request

starting current YD-start : 1.4 x rated current

We reserve the right to alter specifications without prior notice.