



ITT

ROBOT PUMPS

Vortex stainless steel pump

RW2122DG

60 c/s

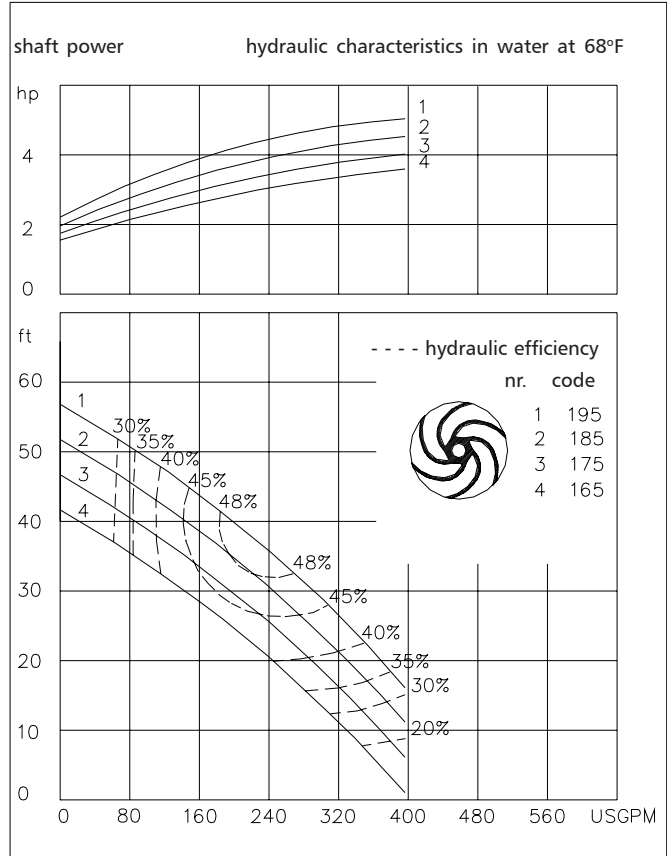
The vortex stainless steel pumps are designed to pump a wide variety of solids contaminated liquids in many applications. Vortex pumps are used for sewage and other waste water applications. The pump can be used in aggressive applications pH = 1-13. Standard elastomers are in FPM (Viton).

Pump

solids passage : 2 1/2"
 suction diameter : 2 7/8"
 discharge diameter : 2 1/2"
 impeller code : 195-165
 recommended minimum flow : 32 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) |

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Engineered for life

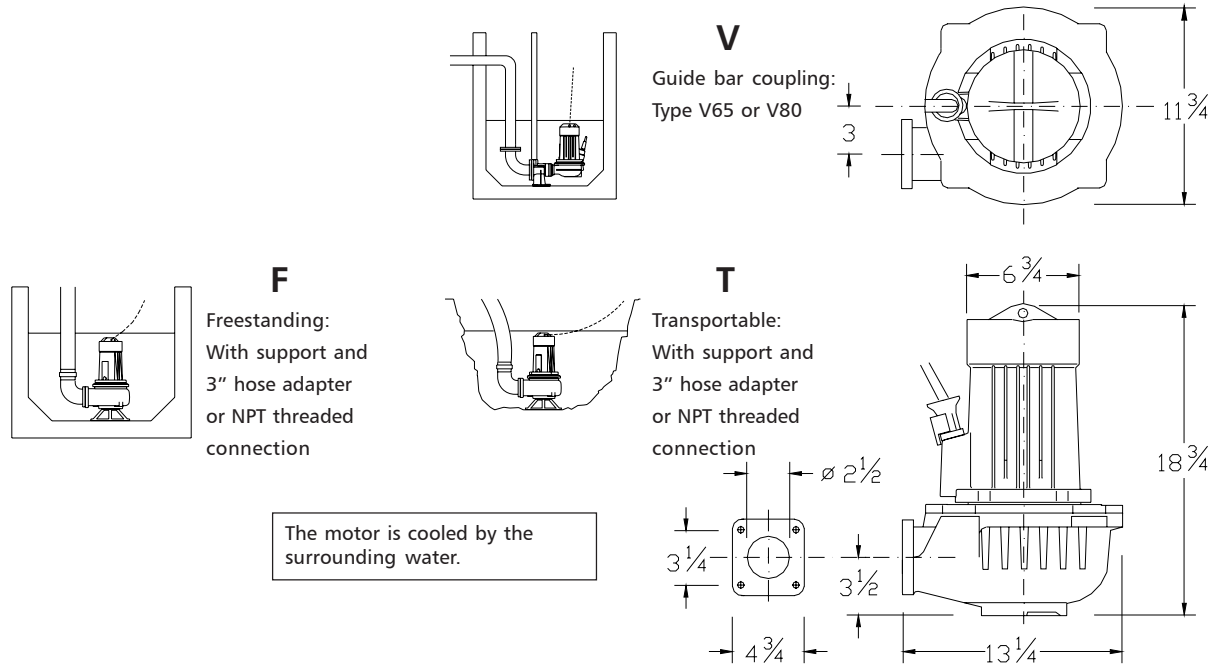


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Installation options

RW2122DG



Versions

Weight

- BR Basic Stainless Steel**
Standard with thermostiches
All parts in stainless steel 316
- BD Basic Duplex Steel**
Standard with thermostiches
All casted parts in stainless steel 329

196 lbs

196 lbs

Optional:

- Flexible protective sheating 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
starting current YD-start : 1.4 x rated current

* other voltages on request

We reserve the right to alter specifications without prior notice.