



ITT

ROBOT PUMPS

Vortex stainless steel pump

RW2110BA-M

60 c/s

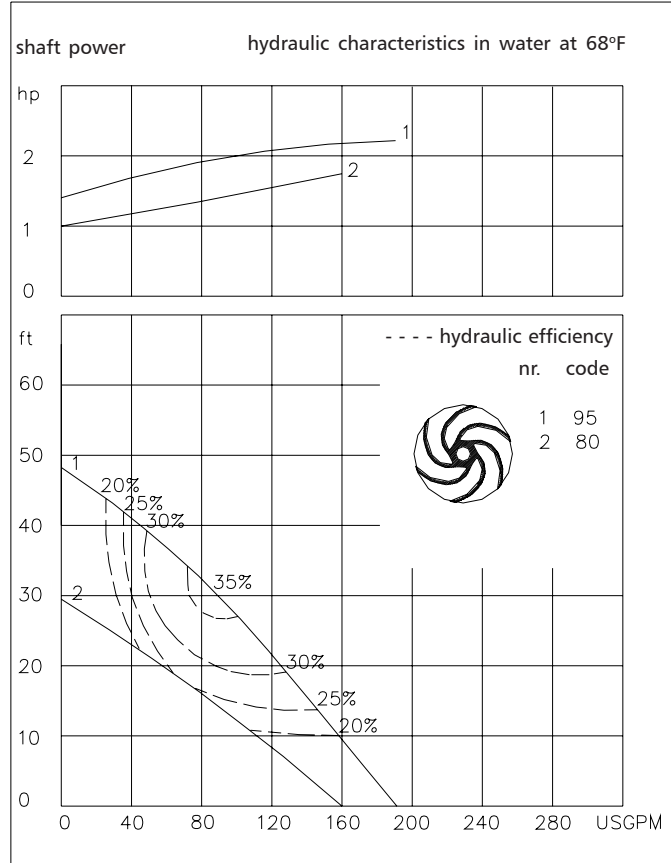
The vortex stainless steel pumps are designed to pump a wide variety of solids contaminated liquids in many applications. Vortex pumps are used for sewage and other waste water applications. The pump can be used in aggressive applications pH = 1-13. Standard elastomers are in FPM (Viton).

Pump

solids passage : 2 "
 suction diameter : 2 "
 discharge diameter : 2 "
 impeller code : 95-80
 recommended minimum flow : 24 USGPM

Motor

1 phase
 rated horse power : 2.8 hp
 rated electrical power : 2.8 kW
 rated kVA : 2.9 kVA
 mains : 60 c/s
 speed : 3500 rpm
 rated efficiency : 75 %
 rated power factor (cos phi) : 0.98
 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

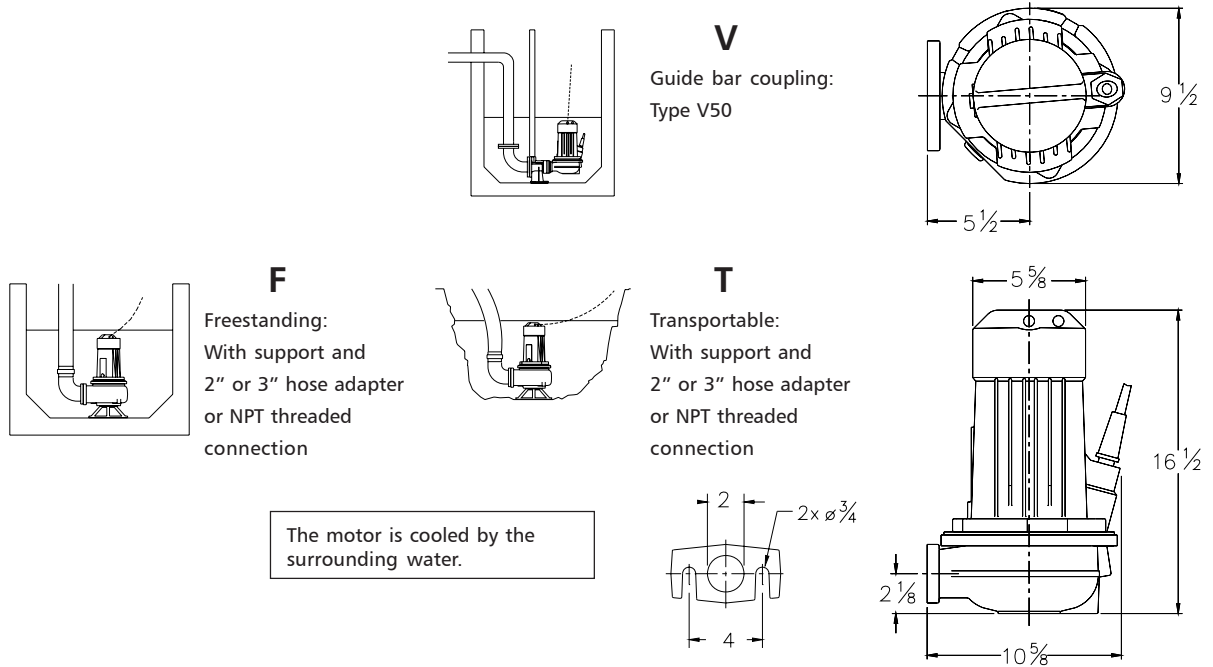


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Installation options

RW2110BA-M



Versions

Weight

BRM	Basic Stainless Steel 1-phase motor Standard with thermostiches All parts in stainless steel 316	83 lbs
BDM	Basic Duplex Steel 1-phase motor Standard with thermostiches All casted parts in stainless steel 329	83 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				
		themoswitches	condensator			
115	23.0	1xAWG 14/7	140µF / 450V			
220	12.0	1xAWG 14/7	50µF / 450V			

starting current

: 1.7 x rated current

* other voltages on request

We reserve the right to alter specifications without prior notice.