



ITT

ROBOT PUMPS

Turbotex Pump

RT6040LD

60 c/s

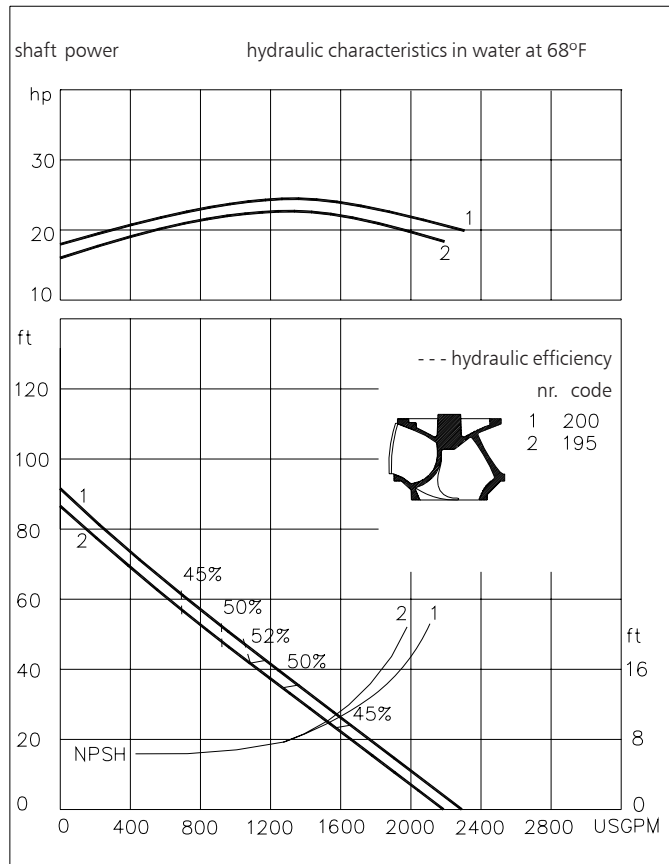
Turbotex pumps are auto cleaning solids handling pumps. The impeller leading edge is almost parallel with the direction of the flow and leads into the impeller passage. Turbotex pumps are first choice for raw unscreened sewage as well as for lightly contaminated liquids.

Pump

solids passage : 4 1/4"
 suction diameter : 8"
 discharge diameter : 6"
 impeller diameter : 195 - 200
 recommended minimum flow : 207 USGPM

Motor

rated horse power : 25.0 hp
 rated electrical power : 21.6 kW
 rated kVA : 27.7 kVA
 mains : 60 c/s - 3 phase
 speed : 1750 rpm
 rated efficiency : 85 %
 rated power factor (cos phi) : 0.78
 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 = 0.736 kW 1 ft = 0.3 m 1 lb = 0.45 kg

Materials

motor housing : 1
 seal housing : 1 5
 volute : 1
 impeller : 2 5 7
 shaft : 3 5
 bolts : 4 5
 cooling jacket : 4 5
 elastomers : 8+9 10
 electrical cable : 9
 seal lubrication : oil
 pump seal : silicon carbide-silicon carbide
 motor seal : carbon - ceramic
 primer : Alkyd primer
 top coating : Two component high-build polyurethane coating

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	bronze	ASTM B 145 Gr. 4a
7	wear resistant sg iron	HB500
8	nitrile	(NBR)
9	neoprene	(CR)
10	viton	(FPM)

www.ittwalphen.com

Engineered for life



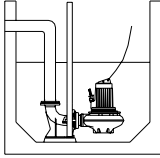
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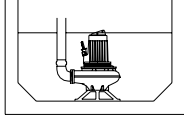
Installation options

RT6040LD

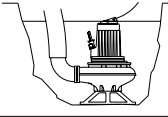
V
Guide bar coupling:
Type V150N

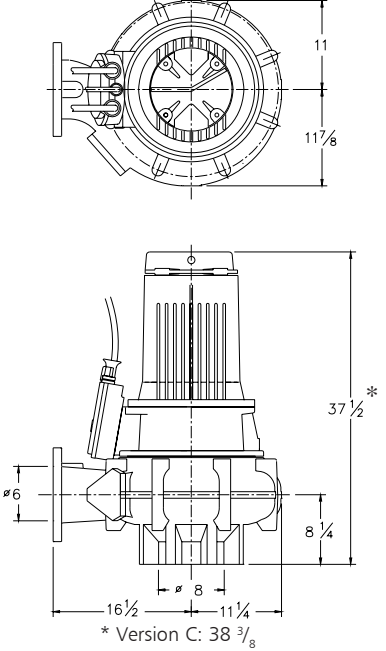


F
Freestanding:
With support and
6" hose adapter

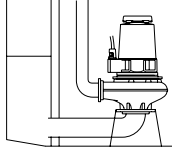


T
Transportable:
With support and
6" hose adapter





A
Immersible:
vertical or horizontal
with cooling system and
support.
Discharge: 6"
Suction: 8"



The motor is cooled by the surrounding water.
With cooling version the motor can run continuously above the waterlevel

Versions

Weight

B Basic version	752 lbs
Standard with thermostiches	
P FM approved version	774 lbs
Certified according to: Class I, Division I, Groups C&D T4 Standard with thermostats and waterdetector in motorhousing.	
C Version with cooling system	775 lbs
Standard with thermostiches Internal or external circulation (ext. coolingwater min. flow 2.4 USGPM)	

Optional:

- Flexible protective sheating 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			
		DOL-start		FM approved version	
		DOL-start	YD-start	DOL-start	YD-start
220	72.5	not possible	2xAWG6/4+1xAWG14/4	not possible	2xAWG6/4+1xAWG14/7
380	42.0	1xAWG6/4+1xAWG14/4	2xAWG10/4+1xAWG14/4	1xAWG6/4+1xAWG14/7	2xAWG10/4+1xAWG14/7
440	36.2	1xAWG6/4+1xAWG14/4	2xAWG12/4+1xAWG14/4	1xAWG6/4+1xAWG14/7	2xAWG12/4+1xAWG14/7
460	34.7	1xAWG8/4+1xAWG14/4	2xAWG12/4+1xAWG14/4	1xAWG8/4+1xAWG14/7	2xAWG12/4+1xAWG14/7
575	27.7	1xAWG8/4+1xAWG14/4	2xAWG12/4+1xAWG14/4	1xAWG8/4+1xAWG14/7	2xAWG12/4+1xAWG14/7

starting current DOL-start : 5.4 x rated current

starting current YD-start : 1.8 x rated current

* other voltages on request

We reserve the right to alter specifications without prior notice.