



### Turbotex Pump

### RT4030DG

50 Hz

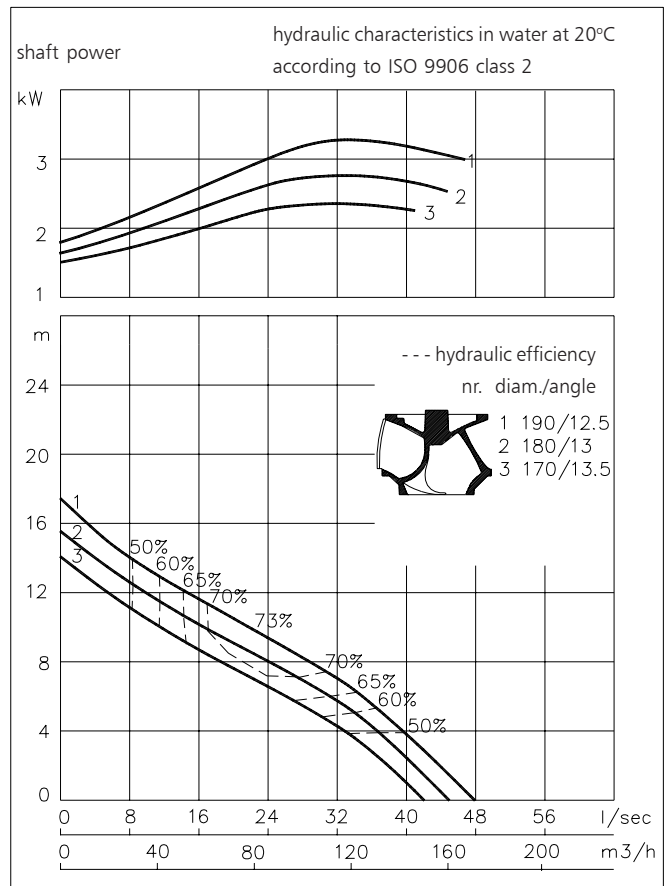
Turbotex pumps are auto cleaning solids handling pumps. The impeller leading edge is almost parallel with the direction of the flow and leads into the impeller passage. Turbotex pumps are first choice for raw unscreened sewage as well as for lightly contaminated liquids.

#### Pump

solids passage : 82 mm  
 suction diameter : 107 mm  
 discharge diameter : 100 mm  
 impeller diameter : 190 - 170 mm  
 recommended minimum flow : 6 l/s (21 m<sup>3</sup>/h)

#### Motor

rated shaft power : 3.5 kW  
 rated electrical power : 4.5 kW  
 mains : 50 Hz - 3 phase  
 nominal speed : 1450 rpm  
 motor efficiency : 79%  
 rated power factor (cos phi) : 0.73  
 degree of protection : IP 68  
 isolation class : H (180 °C)  
 max. water temperature : 40 °C  
 (higher temp. on request)  
 standard cable length : 10 m



#### Materials

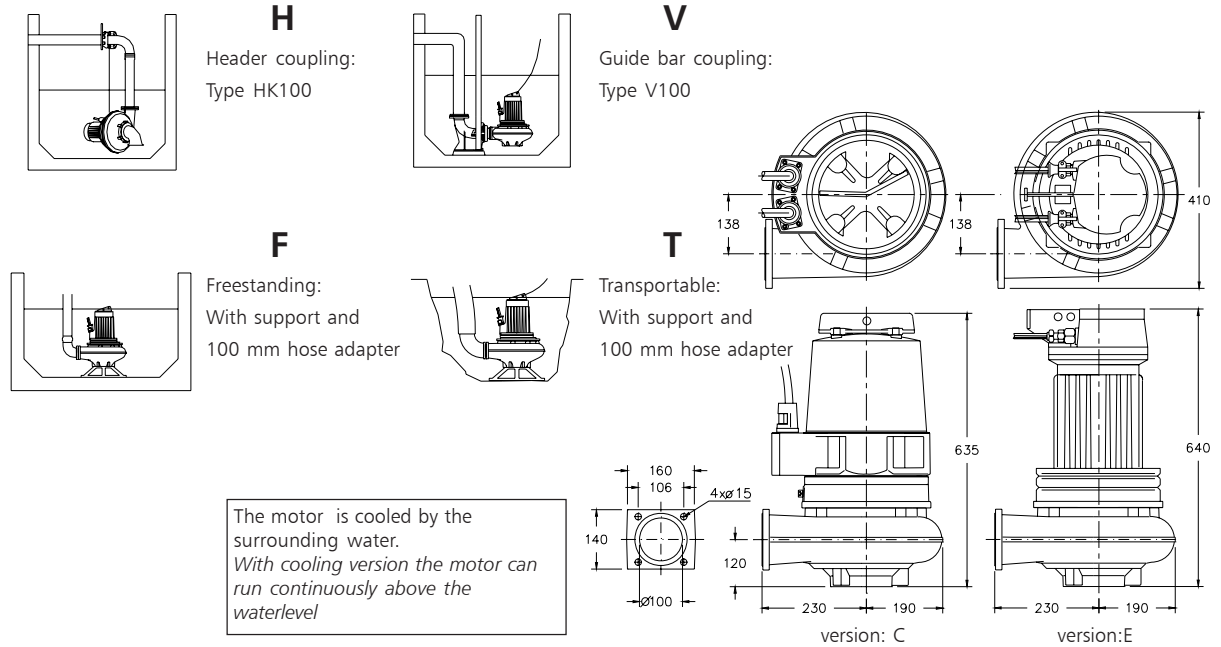
motor housing : 1  
 seal housing : 1  
 volute : 1  
 impeller : 2 7  
 shaft : 3 5  
 bolts : 4 5  
 cooling jacket : 5  
 elastomers : 8+9 10  
 electrical cable : 9  
 seal lubrication : oil  
 pump seal : silicon carbide-silicon carbide  
 motor seal : silicon carbide-silicon carbide  
 primer :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

1	cast iron	EN-GJL-250
2	sg cast iron	EN-GJS-400-15
3	stainless steel 431	X20 CrNi 17 2
4	stainless steel 304	X5 CrNi 18 10
5	stainless steel 316	X5 CrNiMo 17 12 2
6	stainless steel 329	X4 CrNiMoN 27 5 2
7	wear resistant sg iron	HB 500
8	nitrile	(NBR)
9	neoprene	(CR)
10	viton	(FPM)



### Installation options

### RT4030DG



### Versions

- E Explosion proof version**  
Certified according to: II 2 G Ex de IIB c T4  
Standard with 2 sets of thermostiches.
- C Version with cooling system**  
(Not possible for explosion proof version)  
Internal or external circulation  
(external cooling water min. flow 0.15 l/s)

### Weight:

- 106 kg
- 109 kg

### Optional:

- Flexible protective sheating for cable**  
(AISI 316)
- Water detector in motor and oil housing**  
(for explosion proof version only in oil housing with external cable)

### Motor connection details

		number of cables x number of cores x cross section [mm <sup>2</sup> ]					
voltage [V]*	rated current[A]			with waterdetector and/or thermostiches		explosion proof vevrsion	
		DOL-start	YD-start	DOL- start	YD-start	DOL- start	YD-start
220	16.4	1x4x2.5	1x7x1.5	1x7x2.5	1x10x1.5	1x7x2.5	1x7x2.5 + 1x4x2.5
380	9.5	1x4x2.5	1x7x1.5	1x7x1.5	1x10x1.5	1x7x2.5	1x7x2.5 + 1x4x2.5
400	9.0	1x4x2.5	1x7x1.5	1x7x1.5	1x10x1.5	1x7x2.5	1x7x2.5 + 1x4x2.5
415	8.7	1x4x2.5	1x7x1.5	1x7x1.5	1x10x1.5	1x7x2.5	1x7x2.5 + 1x4x2.5
500	7.2	1x4x2.5	1x7x1.5	1x7x1.5	1x10x1.5	1x7x2.5	1x7x2.5 + 1x4x2.5

starting current DOL start : 6.4 x rated current  
starting current YD-start : 2.1 x rated current

\* other voltages on request

We reserve the right to alter specifications without prior notice.