

Pump type: Submersible sewage Pump
 Application: Waste water, Seawater

Pump data

Solids passage 5"
 Discharge/ Suction diameter 8"/ 8"
 Impeller type: Closed screw impeller
 Impeller diameter 260 - 265
 Recommended min. flow 366 USGPM
 Weight 881 lbs

Motor

Mains: 60 c/s – 3 phase
 Rated horse power 52.4 HP
 Rated electrical power 45.3 kW
 Rated kVA 52.9 kVA
 Nominal speed 1730 rpm
 Motor efficiency 86 %
 Power factor (cos phi) 0.86
 Degree of protection IP 68
 Isolation class F (311°F)
 Max. water temperature 104°F
 Standard cable length 33 ft


Materials

Pump casing AISI 329
 Impeller AISI 329
 Motor unit AISI 329
 Shaft AISI 431
 Bolts AISI 316
 Elastomers Viton (FPM)
 Electrical cable Neoprene (CR)
 Seal lubrication Oil
 Seal pump side Silicon carbide – silicon carbide - FPM
 Seal motor side Carbon – Ceramic - FPM

Installation options

Guide bar coupling OWK200-N (cast iron) 

Freestanding 8" hose connection
 Including support 

Dry Installation vertical or horizontal
 Including cooling system discharge 8"
 suction 8" 

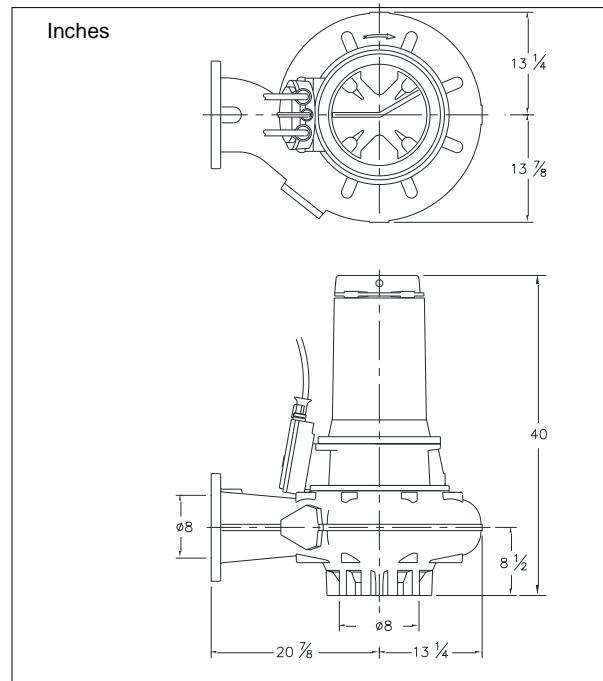
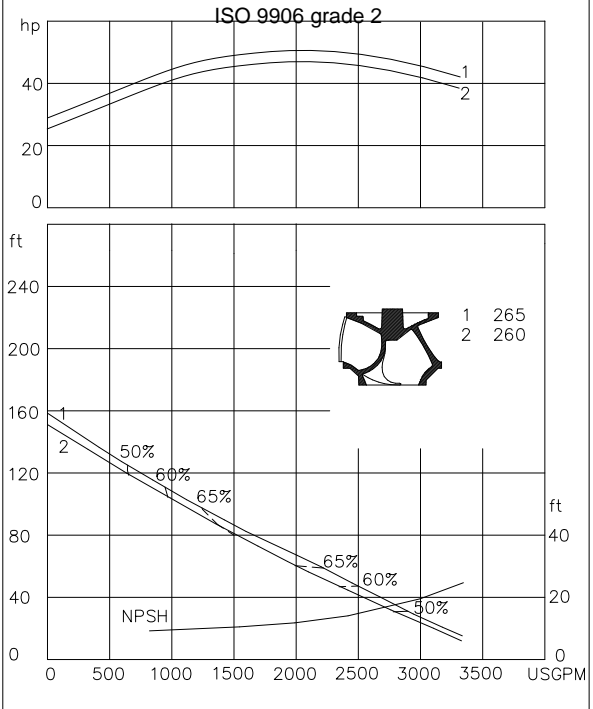
Options available

- Version with cooling system
- Cable protective sheathing (AISI 316)
- Water detector in motor and oil chamber
- Flameproof acc. IECEx class Ex d IIB T4 Gb

Connections

		electrical cable size	
voltage	current	with motor protection and/or water detector	
[V]*	[A]	direct start	star delta start
380	80.3	2x AWG 6/4 + AWG 14/4	-
460	66.4	2x AWG 8/4 + AWG 14/4	2x AWG 6/4 + AWG 14/4
575	53.1	2x AWG 8/4 + AWG 14/4	2x AWG 8/4 + AWG 14/4
starting current DOL start : 4.5 x rated current			
starting current YD start: 1.5 x rated current			
			* other voltages on request

15.9 USGPM = 1l/s, 1ft = 0.3m, 1hp = 0.746kW, 1lb = 0.45kg



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 Impeller diameter 332 - 285
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 Weight 881 lbs

Motor


Mains: 60 c/s – 3 phase
 Rated horse power 32.2 HP
 Rated electrical power 27.3 kW
 Rated kVA 31.4 kVA
 Nominal speed 1165 rpm
 Motor efficiency 88 %
 Power factor (cos phi) 0.87
 Degree of protection IP 68
 Isolation class F (311°F)
 Max. water temperature 104°F
 Standard cable length 33 ft


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Connections

voltage	current	electrical cable size	
		with motor protection and/or water detector	
[V]*	[A]	direct start	star delta start
220	82.0	2x AWG 6/4 + AWG 14/4	-
380	47.5	2x AWG 8/4 + AWG 14/4	2x AWG 8/4 + AWG 14/4
460	39.2	AWG 6/4 + AWG 14/4	2x AWG 10/4 + AWG 14/4
575	31.4	AWG 8/4 + AWG 14/4	2x AWG 10/4 + AWG 14/4
starting current DOL start : 4.8 x rated current			
starting current YD start: 1.6 x rated current			

