PES

DATA SHEET FOR CENTRIFUGAL PUMP

Spec. No.
Prep. By Apr. By
Date
Sheet 1 of 1 Rev. 0

Applicable To: X Proposals O Purchase O As Built
Note: O Indicates Information to be Completed by Purchaser;
O By Manufacturer

For Site
Unit Service Ethanol
No. Pumps Req'd 5 No. Motors Req'd 5 Provided By Pump Mfr. Mtd By
Item No. - Item Description
No. Engines Req'd - No. Turbines Req'd - Provided By Mtd By
Item No. Item Description
Pump Mfr. Size and Type Serial No.

OPERATING CONDITIONS, EACH PUMP

Liquid Ethanol USGPM at P.T. Nor. 600 Rated
S.G 0.84 Disch. Press., Barg 4
P.T. ºC, Nor. 40 Max. 70 Suct. Press., Barg max. -0.22 Rated
Vap. Press. at P.T, Psia 8.5 Diff. Head, meter 45
Vis. at P.T., 0.9 cP NPSHA, m. 2.5
Corr/Eros. Caused by HC Hyd. HP
Location: O Indoor | X Outdoor Area: O Safe | X Hazardous
Working: O Continuous | X Intermittent O Random

PERFORMANCE

Proposal Curve No.
RPM NPSHR (Water)
Eff. BHP Rated
Max. Head Rated IMP
Min. Continuous gpm
Rotation (Viewed from CPLG End)

CONSTRUCTION

Nozzles	Size	Rating	Facing	Location
Suction	VTS	150 #	RF	
Discharge	VTS	150#	RF	

Case-mount: O Centerline | O Foot | O Bracket | O Vert. (Type)
- Split: O Axial | O Rad; Type Volute | O SGL | O DBL | O Diffuser
- Press: O Max. Allow, psig ºF; | O Hydro Test psig
- Connect: X Vent | X Drain | O Gage
Impeller Dia.: O Rated O Max. O Type:
Mount: O Between Brgs | O Overhung
Bearings-type: O Radial O Thrust
Lube: O Ring Oil | O Flood | O Oil Mist O Flinger | O Pressure
Coupling: O Mfr. Metastream or Eq. O Model Sparkproof
Driver Half Mtd By: O Pump Mfr. O Driver Mfr. O Purchaser
Packing: O Mfr. & Type O Size/No. of Rings
Mech. Seal: O Mfr. & Model YES API Class. Code API-682
O Mfr. Code

SHOP TESTS

X Non-Wit. Perf. O Wit. Perf.
X Non-Wit. Hydro O Wit. Hydro
X NPSH Req'd. O Wit. NPSH
X Shop Inspection
O Dismant. & Insp. After Test
O Other

MATERIALS

Pump:
Casing: Cast Iron
Impeller : Carbon Steel
Baseplate: Steel

AUXILIARY PIPING

O C.W. Pipe Plan O CU; O SS; O Tubing; O Pipe
O Total Cooling Water Req'd, gpm O Sight F.I. Req'd
O Packing Cooling Injection Req'd: O Total gpm | O psig
O Seal Flush Pipe Plan O CS O SS O Tubing O Pipe
O External Seal Flush Fluid O gpm | O psig
O Auxiliary Seal Plan O CS O SS O Tubing O Pipe
O Aux. Seal Quench Fluid

VERTICAL PUMPS

Pit or Sump Depth
Min. Submergence Req'd.
Column Pipe: O Flanged O Threaded
Line Shaft: O Open O Enclosed
Brgs: O Bowl O Line Shaft
Brg. Lube O Water O Oil O Grease
Float & Rod O CS O SS O BRZ O None
Float Switch O
Pump thrust,lb. O UP O Down

MOTOR DRIVER

HP RPM Frame Volts/Phase/Cycles 400/3/50
Mfr. Bearings Lube
Type Insul. Full Load Amps
Enc TEFC Temp. Rise, ºC Locked Rotor Amps
O VHS O VSS Vert. Thrust Cap., lb.

Approx. WT. Pump & Base
Motor Turbine

NOTES :

1 Pump shall be as per ANSI standard
2 Vendor to confirm the HP or kW of motors.
3 Pump motor shall be of explosion proof.
4 VTS = Vendor to specify
5 Motor shall be of explosion proof type