

**DATASHEET OF PRODUCE WATER TRANSFER PUMPS**

**P-1001 A/B**

Unit		Service		Produce Water Transfer Pumps	
No. Pumps Req'd	2	No. Motors Req'd	2	Provided By	Mtd By
Item No.	P-1001 A/B	Item Description	Submersible Pumps		
No. Engines Req'd	N/A	No. Turbines Req'd	N/A	Provided By	Mtd By
Item No.	-	Item Description	-		
Pump Mfr.	-	Size and Type	Manufacturer Std.	Serial No.	-
<b>OPERATING CONDITIONS, EACH PUMP</b>				<b>PERFORMANCE</b>	
Liquid	Produced Water	Flowrate(Usqpm)	145	Rated	Proposal Curve No. _____ X _____
Sp. Gravity at P. T.	1.05	Disch. Press., psig	28		RPM X NPSHR (Water) _____ X _____
P.T. °F, Nor.	100 Max. 120	Suct. Press., psig	-3 Rated		NPSHR (Service) _____ X _____
Vap. Press. at P.T, Psig	0.9-1.0	Diff. Head (Psig)	31.0		Eff. _____ X _____ BHP Rated _____ X _____
Vis. at P.T., cp	0.7	NPSHA (ft)	20		Max. Head Rated IMP _____ X _____
Corr/Eros. Caused by	Water	Hydraulic Power(kW)	3.85		Min. Continuous gpm _____ X _____
Location:	<input type="radio"/> Indoor <input checked="" type="radio"/> Outdoor	Area:	<input type="radio"/> Safe <input checked="" type="radio"/> Hazardous	Rotation (Viewed from CPLG End) _____ X _____	
Working:	<input type="radio"/> Continuous <input checked="" type="radio"/> Intermittent	<input type="radio"/> Random			
<b>CONSTRUCTION</b>				<b>SHOP TESTS</b>	
Nozzles	Size	Rating	Facing	Location	<input type="radio"/> Non-Wit. Perf. <input type="radio"/> Wit. Perf.
Suction	6"(VTC)	150#	RF	VTS	<input type="radio"/> Non-Wit. Hydro <input type="radio"/> Wit. Hydro
Discharge	4"(VTC)	150#	RF	VTS	<input type="radio"/> NPSH Req'd. <input type="radio"/> Wit. NPSH
Case-mount:	<input type="radio"/> Centerline <input type="radio"/> Foot <input type="radio"/> Bracket <input type="radio"/> Vert. (Type)				<input type="radio"/> Shop Inspection
- Split:	<input type="radio"/> Axial <input type="radio"/> Rad; Type Volute	<input type="radio"/> SGL <input type="radio"/> DBL <input type="radio"/> Diffuser			<input type="radio"/> Dismant. & Insp. After Test
- Press:	<input type="radio"/> Max. Allow, _____ psig	<input type="radio"/> °F; <input type="radio"/> Hydro Test _____ psig			<input type="radio"/> Other _____
- Connect:	<input checked="" type="radio"/> Vent <input checked="" type="radio"/> Drain <input type="radio"/> Gage <input type="radio"/> PSV				
Impeller Dia.:	<input type="radio"/> Rated <input type="radio"/> Max. _____	<input type="radio"/> Type: _____			
Mount:	<input type="radio"/> Between Brgs <input type="radio"/> Overhung				
Bearings-type:	<input type="radio"/> Radial	<input type="radio"/> Thrust		<b>MATERIALS</b>	
Lube:	<input type="radio"/> Ring Oil <input type="radio"/> Flood <input type="radio"/> Oil Mist	<input type="radio"/> Flinger <input type="radio"/> Pressure	Chrome plated Carbon Steel		
Coupling:	<input checked="" type="radio"/> Mfr. Metastream or Eq.	<input checked="" type="radio"/> Model Sparkproof			
Driver Half Mtd By:	<input type="radio"/> Pump Mfr. <input type="radio"/> Driver Mfr. <input type="radio"/> Purchaser				
Packing:	<input type="radio"/> Mfr. & Type _____	<input type="radio"/> Size/No. of Rings _____			
Mech. Seal:	<input checked="" type="radio"/> Mfr. & Model YES	API Class. Code _____			
	<input type="radio"/> Mfr. Code (Note-2)			Baseplate:	Yes
<b>AUXILIARY PIPING</b>					
<input type="radio"/> C.W. Pipe Plan	N/A	<input type="radio"/> CU; <input type="radio"/> SS; <input type="radio"/> Tubing; <input type="radio"/> Pipe			
<input type="radio"/> Total Cooling Water Req'd, gpm	<input type="radio"/> Sight F.I. Req'd _____				
<input type="radio"/> Packing Cooling Injection Req'd:	<input type="radio"/> Total gpm _____	<input type="radio"/> psig _____			
<input type="radio"/> Seal Flush Pipe Plan	<input type="radio"/> CS <input type="radio"/> SS <input type="radio"/> Tubing <input type="radio"/> Pipe				
<input type="radio"/> External Seal Flush Fluid	<input type="radio"/> gpm _____	<input type="radio"/> psig _____			
<input type="radio"/> Auxiliary Seal Plan	<input type="radio"/> CS <input type="radio"/> SS <input type="radio"/> Tubing <input type="radio"/> Pipe				
<input type="radio"/> Aux. Seal Quench Fluid					
<b>MOTOR DRIVER</b>					
Est. Power Req'd.	5 kW	Frame	Volts/Phase/Cycles	NOTE-5	
Type	Explosion Proof	Bearings	Lube	Approx. WT. Pump & Base _____ VTS	
Type	TEFC	Insul.	F	Full Load Amps	Motor _____ Turbine _____ O
Enc	IP 55	Temp. Rise, °C	80	Locked Rotor Amps	

- NOTES :
- 1- X : means requirement      O : Not Required.
  - 2- Mechanical Seals shall be in accordance with ASME B 73.1.
  - 3- Motor driver shall be in accordance with IEC 60034-1 and NEMA Standards and or other practice.
  - 4- Pump with Motor should be mounted on common base plate by pump manufacturer.
  - 5- Motor shall be Explosion Proof suitable for Zone-1, Group IIA, Class T6 and should compatible with 415V & 440 V / 50 Hz.
  - 6- VTS : Vendor to Specify ; VTC : Vendor to Confirm

No. Pumps Req'd	1	No. Motors Req'd	1	Provided By		Submersible Pump	
Item No.	P-1002	Item Description			N/A	Mtd By	N/A
No. Engines Req'd	N/A	No. Turbines Req'd	N/A	Provided By		Manufacturer Std.	Serial No.
Pump Mfr.				Size and Type		<b>PERFORMANCE</b>	
<b>OPERATING CONDITIONS</b>							
Liquid	Recoverd Oil	Usgpm	25	Rated		Proposal Curve No.	X
Sp. Gravity at P. T.	0.86	Disch. Press., Psig	20			RPM X NPSHR (Water)	X
P.T. °F, Nor.	100 Max.	Suct. Press., Psig	-2.44	Rated		NPSHR (Service)	X
Vap. Press. at P.T, Psia	0	Diff. Head (psig)	22.0			Eff. X BHP Rated	X
Vis. @ 100°C	2.21 cP	NPSHA, ft.	29			Max. Head Rated IMP	X
Corr/Eros. Caused by	Water	Hydraulic Power(kW)	1.5			Min. Continuous gpm	X
Location:	<input type="radio"/> Indoor	<input checked="" type="radio"/> Outdoor	Area:	<input type="radio"/> Safe	<input checked="" type="radio"/> Hazardous	Rotation (Viewed from CPLG End)	__ X
Working:	<input type="radio"/> Continuous	<input checked="" type="radio"/> Intermittent		<input type="radio"/> Random		<b>SHOP TESTS</b>	
<b>CONSTRUCTION</b>							
Nozzles	Size	Rating	Facing	Location		<input type="radio"/> Non-Wit. Perf.	<input type="radio"/> Wit. Perf.
Suction	4"(VTC)	150#	RF	VTS		<input type="radio"/> Non-Wit. Hydro	<input type="radio"/> Wit. Hydro
Discharge	3"(VTC)	150#	RF	VTS		<input type="radio"/> NPSH Req'd.	<input type="radio"/> Wit. NPSH
Case-mount:	<input type="radio"/> Centerline	<input type="radio"/> Foot	<input type="radio"/> Bracket	<input type="radio"/> Vert. (Type)		<input type="radio"/> Shop Inspection	
- Split:	<input type="radio"/> Axial	<input type="radio"/> Rad; Type	Volute	<input type="radio"/> SGL	<input type="radio"/> DBL	<input type="radio"/> Diffuser	
- Press:	<input type="radio"/> Max. Allow,	psig	°F	<input type="radio"/> Hydro Test		psig	
- Connect:	<input checked="" type="radio"/> Vent	<input checked="" type="radio"/> Drain	<input type="radio"/> Gage	<input type="radio"/> PSV			
Impeller Dia.:	<input type="radio"/> Rated	<input type="radio"/> Max.		<input type="radio"/> Type:			
Mount:	<input type="radio"/> Between Brgs	<input type="radio"/> Overhung					
Bearings-type:	<input type="radio"/> Radial		<input type="radio"/> Thrust				
Lube:	<input type="radio"/> Ring Oil	<input type="radio"/> Flood	<input type="radio"/> Oil Mist	<input type="radio"/> Flinger	<input type="radio"/> Pressure		
Coupling:	<input checked="" type="radio"/> Mfr.	Metastream or Eq.	<input checked="" type="radio"/> Model	<input type="radio"/> Sparkproof			
Driver Half Mtd By:	<input type="radio"/> Pump Mfr.	<input type="radio"/> Driver Mfr.	<input type="radio"/> Purchaser				
Packing:	<input type="radio"/> Mfr. & Type		<input type="radio"/> Size/No. of Rings				
Mech. Seal:	<input checked="" type="radio"/> Mfr. & Model	YES	API Class. Code				
	<input type="radio"/> Mfr. Code	(Note-2)				Baseplate:	Yes
<b>AUXILIARY PIPING</b>							
<input type="radio"/> C.W. Pipe Plan	N/A	<input type="radio"/> CU;	<input type="radio"/> SS;	<input type="radio"/> Tubing;	<input type="radio"/> Pipe		
<input type="radio"/> Total Cooling Water Req'd,	gpm			<input type="radio"/> Sight F.I. Req'd			
<input type="radio"/> Packing Cooling Injection Req'd:		<input type="radio"/> Total gpm	<input type="radio"/> psig				
<input type="radio"/> Seal Flush Pipe Plan		<input type="radio"/> CS	<input type="radio"/> SS	<input type="radio"/> Tubing	<input type="radio"/> Pipe		
<input type="radio"/> External Seal Flush Fluid		<input type="radio"/> gpm		<input type="radio"/> psig	<input type="radio"/> Pipe		
<input type="radio"/> Auxiliary Seal Plan		<input type="radio"/> CS	<input type="radio"/> SS	<input type="radio"/> Tubing	<input type="radio"/> Pipe		
<input type="radio"/> Aux. Seal Quench Fluid							
<b>MOTOR DRIVER</b>							
Est. Power Req'd.	2 kW	Frame	Volts/Phase/Cycles	NOTE-5		Approx. WT. Pump & Base	VTS
Type	Explosion Proof	Bearings	Lube			Motor	Turbine
Type	TEFC	Insul.	F	Full Load Amps			O
Enc	IP 55	Temp. Rise, °C	80	Locked Rotor Amps			