

SHY 1 OF 2

DRIVEN EQUIPMENT Centrifugal Pump

☐ EXTEN

4.0 - Provide two 3/8" x 24NF threaded 1/2" deep tap & 1 1/2" dia. counter-bore machined surface, 90° apart near the top thrust bearing for mounting for Cymer's Matrix 544E

REV	DATE	BY	CHKD	APPR
0	Sep-20-06	E. Droppo		
1	Oct. 3-06	E. Droppo		
2	Dec. 13-06	E. Droppo		

ELECTRIC MOTOR DATA SHEET				SHT 2 OF 2			
1	CLIENT <u>Enbridge Pipelines (Athabasca) Inc.</u>	ITEM NO. <u>201-BUM-11</u>					
2	PROJECT <u>Stonefell Terminal Project</u>	SERVICE <u>Dibbit Booster Pump</u>					
3	FABR. SPEC _____						
4	ACCESSORY EQUIPMENT (continued)		1) MANUFACTURER'S DATA (continued)				
5	<input type="checkbox"/> SURGE CAPACITORS <input type="checkbox"/> LIGHTNING ARRESTORS <input type="checkbox"/> CURRENT TRANSFORMER FOR AMMETER		EXCITATION FIELD <input type="checkbox"/> RHEOSTAT <input type="checkbox"/> FIXED RESISTOR REQD. SUPPLIED BY _____				
6	DESCRIPTION _____		BEARINGS TYPE _____ LUBRICATION _____				
7	MAIN TERMINAL BOX SIZED FOR:		LUBE OIL REQD (usgpm) _____ @ (psig) _____				
8	<input checked="" type="checkbox"/> MAIN MOTOR FEEDER SIZE <u>500 MCM</u> NO. / PH. <u>1</u>		TOTAL SHAFT END FLOAT (in) _____				
9	WIRING METHOD <u>3/C TECK Cable</u>		LIMIT END FLOAT TO (in) _____				
10	<input type="checkbox"/> CT'S FOR DIFF. PROTECT MTD BY _____ <input type="checkbox"/> SURGE CAPACITORS MTD BY _____ <input type="checkbox"/> LIGHTNING ARRESTORS MTD BY _____ <input type="checkbox"/> CT FOR AMMETER MOUNTED BY _____ <input checked="" type="checkbox"/> SPACE FOR STRESS CONES _____ <input type="checkbox"/> AIR FILTER _____		MOTOR ROTOR <input type="checkbox"/> SOLID <input type="checkbox"/> SPLIT MOTOR HUB <input type="checkbox"/> SOLID <input type="checkbox"/> SPLIT FOR TEWAC, TEFV & TEKGF MOTORS				
11	1) MFG _____ TYPE _____		COOLING WATER REQD (usgpm) _____ C.W. TEMP RISE (F) _____ PRESS DROP (psig) _____ AIR/GAS REQD (scfm) _____ PRESS MAINT (in H2O) _____				
12	1) MANUFACTURER'S DATA		CURVES REQD BASED ON MOTOR SAT. @ RATED VOLTAGE				
13	MANUFACTURER _____		<input checked="" type="checkbox"/> SPEED vs TORQUE (also @ <u>80</u> % RATED VOLT) <input checked="" type="checkbox"/> SPEED vs POWER FACTOR <input checked="" type="checkbox"/> ACCELERATION <input checked="" type="checkbox"/> SPEED vs CURRENT <input checked="" type="checkbox"/> DAMAGE (cold & hot)				
14	FRAME NO. _____ FULL LOAD RPM (ind) _____		EQUIPMENT WEIGHTS				
15	EFFICIENCY (full load) _____ (3/4 L) _____ (1/2 L) _____		NET WT (lb) _____ SHIPPING WT (lb) _____				
16	POWER FACTOR (ind) _____ (3/4 L) _____ (1/2 L) _____		ROTOR WT (lb) _____ MAX ERECT WT (lb) _____				
17	CURRENT (rated volt)(FL) _____ LOCKED ROTOR _____		MAX MAINT. WT (IDENTIFY) (lb) _____				
18	LOCKED ROTOR POWER FACTOR _____		EQUIPMENT DIMENSIONS				
19	LOCKED ROTOR STALL TIME (cold at 80% & 100% rated voltage) _____		LENGTH (in) _____ WIDTH (in) _____ HEIGHT (in) _____				
20	LOCKED ROTOR STALL TIME (hot at 80% & 100% rated voltage) _____						
21	TORQUE (lb ft)(full load) _____		SHOP INSPECTION AND TESTS				
22	LOCKED ROTOR _____ STARTING (syn) _____ PULL-UP (ind) _____ PULL-IN (syn) _____ BREAK DOWN (ind) _____ PULL-OUT (syn) _____		WITNESSED NON-WITNESSED				
23	OPEN CIRCUIT TIME CONSTANT (Sec) _____		SHOP INSPECTION <input type="checkbox"/> <input checked="" type="checkbox"/>				
24	SYMMETRICAL CONTRIBUTION TO 3 PH TERMINAL FAULT AT:		ROUTINE TEST <input type="checkbox"/> <input checked="" type="checkbox"/>				
25	(1/2 cycles) _____ (5 cycles) _____		MFG STD SHOP TEST <input type="checkbox"/> <input checked="" type="checkbox"/>				
26	REACTANCES X'd _____ X'd _____ X'd _____		IMMERSION TEST <input type="checkbox"/> <input type="checkbox"/>				
27	A.C. STATOR RESISTANCE (ohms) _____ @ (°C) _____		COMPLETE TEST <input type="checkbox"/> <input type="checkbox"/>				
28	RATED KVA _____		Per Specification <input checked="" type="checkbox"/> <input type="checkbox"/>				
29	KVA INRUSH @ FULL VOLTAGE and LOCKED ROTOR (syn)(%) _____		<input type="checkbox"/> <input type="checkbox"/>				
30	KVA @ FULL VOLTAGE & 95 % SPEED (%) _____		<input type="checkbox"/> <input type="checkbox"/>				
31	MAX LINE CURRENT IN STATOR ON 1st SLIP CYCLE @ PULL-OUT (syn) _____		<input type="checkbox"/> <input type="checkbox"/>				
32	ACCELERATION TIME (motor & load @ rated voltage)(s) _____		COUPLING				
33	ACCELERATION TIME (motor & load @ 80 % rated volt)(s) _____		<input checked="" type="checkbox"/> SUPPLIED BY <u>Pump Vendor</u> <input type="checkbox"/> MFG _____ MODEL _____				
34	ROTOR / FIELD WR2 @ MOTOR SHAFT (lb-ft) _____		MOUNTED BY <input type="checkbox"/> MOTOR MFG <input type="checkbox"/> PURCHASER				
35	ROTATION FACING COUPLING END _____		<input checked="" type="checkbox"/> MANUFACTURER OF DRIVEN EQUIPMENT				
36	MAX. NO. OF STARTS PER HOUR _____		PAINTING				
37	FIELD DISCHARGE RESISTOR (ohms) _____		<input type="checkbox"/> MANUFACTURER'S STANDARD <input checked="" type="checkbox"/> Per Specification Section 7				
38	RATED EXCITATION FIELD VOLTAGE(Vac) _____		SHIPMENT				
39	RESISTANCE OF EXCITATION FIELD @ 77 F (ohms) _____		<input type="checkbox"/> DOMESTIC <input type="checkbox"/> EXPORT <input type="checkbox"/> EXPORT BOXING REQD				
40	EXCITATION FIELD @ FULL LOAD & RATED P.F.(amps) _____		<input type="checkbox"/> OUTDOOR STORAGE OVER 6 MONTHS				
41	EXCITATION FIELD (MAX)(A) _____ (MIN)(A) _____		<input type="checkbox"/> OTHER _____				
42	RECOMM MAX POWER FACTOR CORRECTION CAPACITOR (kVAR) _____						
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56	REMARKS: INFORMATION TO BE COMPLETED BY: <input type="checkbox"/> ENBRIDGE <input checked="" type="checkbox"/> VENDOR						
57	1.0 - Vendor to provide air pressure differential switch for the area classification.						
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Enbridge Pipelines (Athabasca) Inc.		JOB NO. <u>06-E-3324</u>	REV	DATE	BY	CHKD	APPR
		DATA SHEET NO. <u>09-201-BUM-11</u>	0	Sep-20-06	E. Droppo		
			1	Oct. 3-08	E. Droppo		
			2	Dec. 13-08	E. Droppo		