

 		LOW VOLTAGE MOTOR (IEEE 841) DATA SHEET U.S. CUSTOMARY UNITS		Contract: A8KM																															
		APPLICABLE MOTOR SPECIFICATION A8KM-PP-000-50670-A		Item No: 18-P-1805M																															
		Doc. No.: A8KM-18-090-540127-A		Revision: 0																															
		Unit: South Tank Farm		Date: 11-Apr-23																															
		RFQ / P.O. No.: 4-601D-RQ		Sheet 1 of 1																															
Rev																																			
1 APPLICABLE TO <input type="radio"/> PROPOSAL <input type="radio"/> PURCHASE <input checked="" type="radio"/> AS BUILT																																			
2 CLIENT: World Energy Paramount SERVICE T-10003 Recirculating Pump																																			
3 PLANT: World Energy Paramount MOTOR TAG NO. / NO. REQ'D 18-P-1805M / One (1)																																			
4 SITE: Paramount, CA DRIVEN EQUIPMENT TYPE / TAG NO. Centrifugal Pump / 18-P-1805																																			
5 DESIGN DATA AND ACCESSORY EQUIPMENT																																			
6 NAMEPLATE 25 HP 1.15 S.F. 3600 RPM POWER (VOLTAGE/PHASE/HERTZ) 460 / 3 / 60																																			
7 ROTATION (WHEN FACING MOTOR OPPOSITE DRIVE END): <input type="radio"/> CW <input type="radio"/> CCW Fans shall be bi-directional																																			
8 INSULATION CLASS: <input type="radio"/> B <input checked="" type="radio"/> F <input type="radio"/> H <input type="radio"/> VPI TEMP. RISE CLASS B / 40 °C over 40 °C AMBIENT																																			
9 AREA CLASSIFICATION: <input checked="" type="radio"/> CLASS I , GROUP B/C/D DIV. 2 <input checked="" type="radio"/> T-RATING T3C / 160 °F																																			
10 <input type="radio"/> UNCLASSIFIED <input type="radio"/>																																			
11 LOCATION: <input type="radio"/> INDOOR <input checked="" type="radio"/> OUTDOOR <input type="radio"/> SHELTERED UNUSUAL CONDITIONS: <input type="radio"/> DUST <input type="radio"/> OTHER																																			
12 AMBIENT TEMPERATURE: MAX 105 °F / MIN. 35 °F ALTITUDE 69 ft																																			
13 ENCLOSURE: <input checked="" type="radio"/> TOTALLY-ENCLOSED FAN-COOLED <input type="radio"/> TOTALLY-ENCLOSED NONVENTILATED <input type="radio"/> EXPLOSION PROOF																																			
14 MOUNTING METHOD: <input checked="" type="radio"/> FOOT <input type="radio"/> FLANGE, TYPE:																																			
15 MOUNTING ARRANGEMENT: <input checked="" type="radio"/> HORIZONTAL <input type="radio"/> VERTICAL SHAFT DOWN <input type="radio"/> VERTICAL SHAFT UP																																			
16 BEARING TYPE: <input checked="" type="radio"/> BALL <input type="radio"/> ROLLER BEARING LUBRICATION: <input checked="" type="radio"/> GREASE <input type="radio"/> OIL <input type="radio"/> PURE OIL MIST																																			
17 CONNECTION TO LOAD: <input checked="" type="radio"/> DIRECT CONNECTED <input type="radio"/> V-BELT <input type="radio"/> THROUGH GEAR <input type="radio"/> CLOSE COUPLED																																			
18 EQUIPMENT OPERATION: <input type="radio"/> CONTINUOUS <input type="radio"/> SPARED CONTINUOUS <input checked="" type="radio"/> INTERMITTENT-CYCLES / DAY																																			
19 SOUND PRESSURE LEVEL REQUIREMENTS: 85 dBA @ 3 FEET																																			
20 STARTING: <input checked="" type="radio"/> FULL VOLTAGE <input checked="" type="radio"/> REDUCED VOLTAGE, 80 % OF VOLTAGE Starting Voltage Dip Allowance																																			
21 <input type="radio"/> UNLOADED <input checked="" type="radio"/> LOADED <input type="radio"/> CAPACITORS FOR POWER FACTOR CORRECTION																																			
22 <input checked="" type="radio"/> SPACE HEATERS V PHASE °F MAX. TEMP																																			
23 <input checked="" type="radio"/> OVERSIZE TERMINAL BOX <input checked="" type="radio"/> DRAIN PLUGS																																			
24 <input checked="" type="radio"/> SS NAMEPLATE <input type="radio"/> AUXILIARY NAMEPLATE																																			
25 TEST <input checked="" type="radio"/> ROUTINE <input type="radio"/> COMPLETE <input checked="" type="radio"/> VIBRATION <input checked="" type="radio"/> REPORT <input checked="" type="radio"/> FOOT FLATNESS																																			
26 REMARKS: 10.1) This data sheet applies to motors 1/2 hp through 500 hp with anti-friction bearings.																																			
27 10.2) Deleted.																																			
28 10.3) IP56 degree of protection is required. 2.4) Average relative humidity is 54%.																																			
29																																			
30 INFORMATION BELOW TO BE COMPLETED BY VENDOR																																			
31 MOTOR MFR. ABB MODEL 110WGZ242-R0001 SERIAL NO. C2204070382																																			
32 NAMEPLATE HP 25 FULL LOAD RPM 3520 FRAME 286TS WEIGHT 429 LB																																			
33 MOTOR OUTLINE DRAWING NO. 10LY-000-823																																			
34 ROTOR CAGE MATERIAL OF CONSTRUCTION																																			
35 BEARING MANUFACTURER																																			
36 VERTICAL MOTOR THRUST BEARING: TYPE CAPACITY: UP LBS DOWN LBS LOCATION																																			
37																																			
<table border="1"> <tr> <td>LOAD</td> <td>FULL</td> <td>3/4</td> <td>1/2</td> <td>OTHER</td> <td></td> </tr> <tr> <td>AMPERES</td> <td>28.3</td> <td>27.1</td> <td>15.4</td> <td></td> <td></td> </tr> <tr> <td>EFFICIENCY, %</td> <td>91.8</td> <td>92.1</td> <td>91.6</td> <td></td> <td></td> </tr> <tr> <td>POWER FACTOR</td> <td>90</td> <td>89</td> <td>83</td> <td></td> <td></td> </tr> <tr> <td>SPEED, RPM</td> <td>3521.3</td> <td>3542.7</td> <td>3563.2</td> <td></td> <td></td> </tr> </table>						LOAD	FULL	3/4	1/2	OTHER		AMPERES	28.3	27.1	15.4			EFFICIENCY, %	91.8	92.1	91.6			POWER FACTOR	90	89	83			SPEED, RPM	3521.3	3542.7	3563.2		
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38 LOCKED ROTOR AMPS* 171 AMPS																																			
39 FULL LOAD TORQUE* 37.3 FT-LB																																			
40 LOCKED ROTOR TORQUE* 54 LB-FT																																			
41 PULL UP TORQUE* 42.1 LB-FT																																			
42 BREAKDOWN TORQUE* 103 LB-FT																																			
43 ACCEL. TIME W/ LOAD (0 TO FULL SPEED)* SEC.																																			
44 SOUND LEVEL: GUARANTEED dBA / EXPECTED dBA																																			
45 FAN MATERIAL (NON-SPARKING)																																			
46 NUMBER OF CONSECUTIVE STARTS*																																			
47 * INDICATED AT RATED VOLTAGE																																			
48 INFORMATION BELOW TO BE PROVIDED BY VENDOR AFTER PURCHASE (REFER TO RFQ/PO DOCUMENTS)																																			
49 <input checked="" type="radio"/> SAFE TIME - CURRENT CURVE MAX. SURFACE TEMP. DURING NORMAL STARING OR OPERATION OF:																																			
50 <input checked="" type="radio"/> SPEED - TORQUE CURVE <input type="radio"/> ROTOR °F <input type="radio"/> STATOR °F <input type="radio"/> ENCLOSURE °F																																			
51 <input checked="" type="radio"/> SAFE LOCKED ROTOR TIME HOT COLD																																			
52 NOTES:																																			
53 10.4 Motor nameplate shall indicate service factor, area classification and T-rating. T-rating relates to both external and internal components.																																			
54 10.5 Deleted.																																			
55 10.6 All motors shall be rated for Cl. I, Div. 2, Gr. B,C,D and a T3C temperature code for project uniformity.																																			
56 10.7 An oversized electrical terminations box is required.																																			
57 10.8 Grounding provisions are required for inside and outside the motor connection box.																																			

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