





MOTOR DATA SHEET (INCL. CURVES)

CLIENT	:	Air Products Manufacturing LLC
PROJECT NAME/NO.	:	WEP Renewables
CLIENT PO NO	:	4505605360
HMD DOCUMENT NO	:	HMD-4505605360-C11-07
CLIENT DOCUMENT NO	:	
HMD PUMP NO	:	840055 & 840056
EQUIPMENT TAG NO	:	18-P-257/18-P-257S

2	14/03/2023	ISSUE FOR REVIEW	GC	AFS	AFS
1	16/12/2022	ISSUE FOR REVIEW	KW	AFS	AFS
0	13/09/2022	ISSUE FOR REVIEW	ABB	AFS	AFS
REV	DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY

NOTE:

<div></div> <div>RESOLUTION SHEET</div>				
Comment Number	Document Name: Motor Data Sheet		Revision from which comment first appeared	Comment Status: Open\Closed - (Date Closed:)
	CLIENT COMMENT	HMD RESPONSE	Current Rev:	
1	Update lines 48-50	Noted & added	1	Closed - (14/03/2023)
2	Vendor to provide HOT and COLD withstand curves	Noted & added	1	Closed - (14/03/2023)
3	Provide speed torque	Already added	1	Closed - (14/03/2023)

	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-257 (840055)	
	Doc. No.:		Revision: 1 Date: 13-Sep-22	
	Unit: SWSPlus Unit		RFQ / P.O. No.: 4505605360	
Sheet 1 of 1			Rev	

1	APPLICABLE TO	<input type="radio"/> PROPOSAL <input checked="" type="radio"/> PURCHASE <input type="radio"/> AS BUILT
2	CLIENT:	World Energy Paramount SERVICE Slop Oil Pump
3	PLANT:	World Energy Paramount MOTOR TAG NO. / NO. REQ'D 18-P-257 / One (1)
4	SITE:	Paramount, CA DRIVEN EQUIPMENT TYPE / TAG NO. Slop Oil Pump / 18-P-257

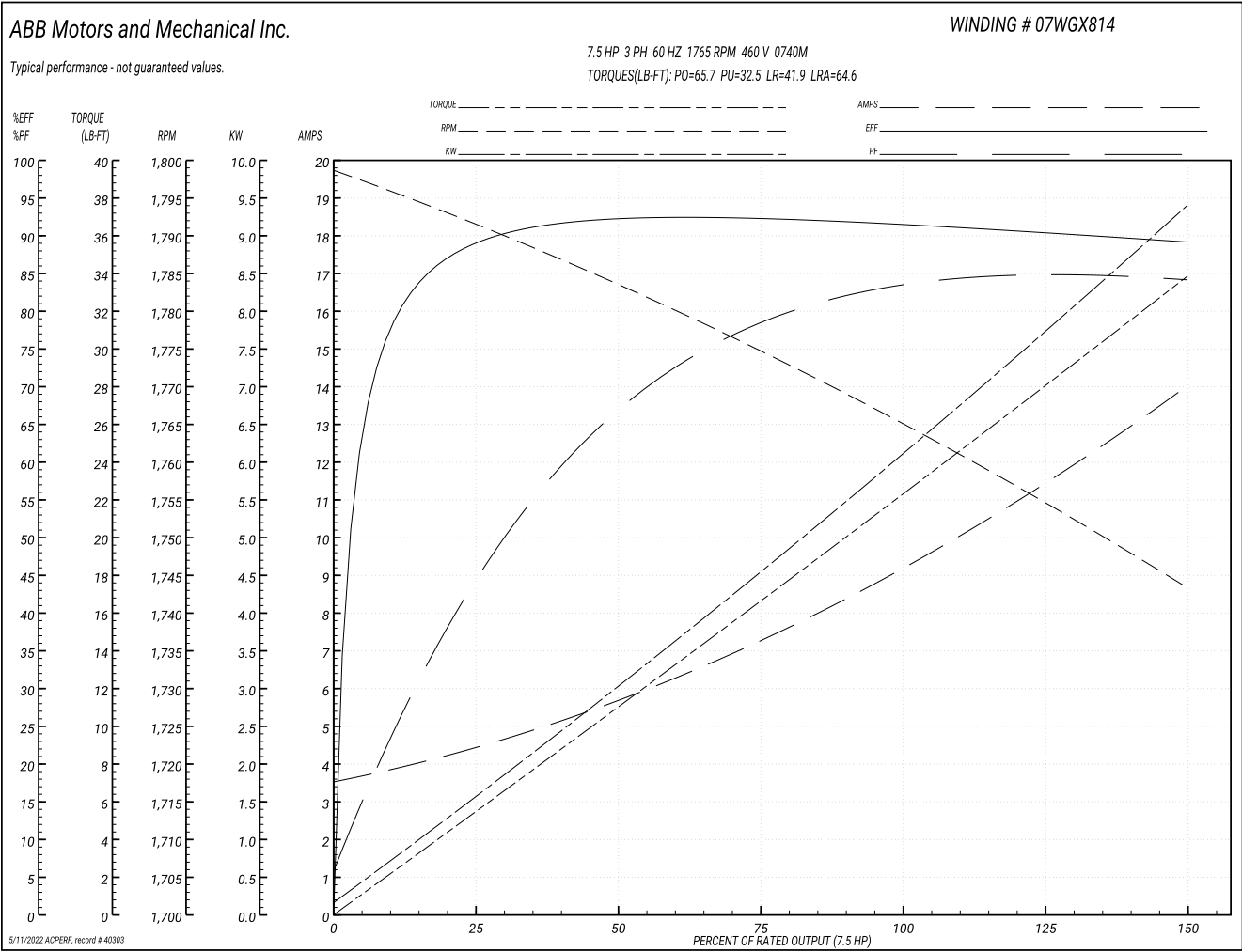
DESIGN DATA AND ACCESSORY EQUIPMENT									
6	NAMEPLATE	7.5 HP	1.15 S.F.	1780 RPM	POWER (VOLTAGE/PHASE/HERTZ)			460 / 3 / 60	
7	ROTATION (WHEN FACING MOTOR OPPOSITE DRIVE END):				CW	CCW	Fans shall be bi-directional		
8	INSULATION CLASS:	<input type="radio"/> B <input checked="" type="radio"/> F <input type="radio"/> H <input type="radio"/> VPI	TEMP. RISE		CLASS B /		°C over 41 °C AMBIENT		
9	AREA CLASSIFICATION:		CLASS I	GROUP	A/B/C/D	DIV.	2	T-RATING	T3C / °F
10	<input type="radio"/> UNCLASSIFIED								
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 checked="" type="radio"/> CONTINUOUS <input type="radio"/> SPARED CONTINUOUS <input 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 type="radio"/> SPACE HEATERS	120 V	1 PHASE			°F MAX. TEMP			
23	<input checked="" type="radio"/> OVERSIZE TERMINAL BOX <input checked="" type="radio"/> DRAIN PLUGS	Terminal Box shall be the largest feasible for the motor frame.							
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: 8.1) This data sheet applies to motors 1/2 hp through 500 hp with anti-friction bearings.								
27	8.2) Space heaters are required for 100 hp and above.								
28	8.3) IP55 degree of protection is required.								
29	8.4) Average relative humidity is 54%.								

INFORMATION BELOW TO BE COMPLETED BY VENDOR									
31	MOTOR MFR.	ABB Baldor		MODEL	07-0000-0463		SERIAL NO.		
32	NAMEPLATE HP	7.5	FULL LOAD RPM	1765	FRAME	215T	WEIGHT	178	LB
33	MOTOR OUTLINE DRAWING NO. 07LYK629								
34	ROTOR CAGE MATERIAL OF CONSTRUCTION				Al	MOTOR WINDING MATERIAL		Cu	
35	BEARING MANUFACTURER				SKF	SIZE		6307	
36	VERTICAL MOTOR THRUST BEARING:		TYPE N/A	CAPACITY:	UP N/A	LBS DOWN N/A	LBS	LOCATION	N/A
37									
38	LOAD	FULL	3/4	1/2	OTHER	LOCKED ROTOR AMPS*		64.6	AMPS
39	AMPERES	9.29	7.32	5.61	N/A	FULL LOAD TORQUE*		22.37	FT-LB
40	EFFICIENCY, %	91.7	92.2	92.1	N/A	LOCKED ROTOR TORQUE*		41.9	FT-LB
41	POWER FACTOR	83	78	69	N/A	PULL UP TORQUE*		32.5	FT-LB
42	SPEED, RPM	1765	1775	1783	N/A	BREAKDOWN TORQUE*		65.7	FT-LB
43	SOUND LEVEL: GUARANTEED		<90 dBA /	EXPECTED	80 dBA	ACCEL. TIME W/ LOAD (0 TO FULL SPEED)*		6 SEC.	
44	FAN MATERIAL		Polypropylene MP5000 (NON-SPARKING)			STALL TIMES AT ZERO RPM* - HOT / COLD		23 / 51 SEC.	
45						NUMBER OF CONSECUTIVE STARTS*		1 Hot / 2 Cold	
46	* INDICATED AT RATED VOLTAGE								

INFORMATION BELOW TO BE PROVIDED BY VENDOR AFTER PURCHASE (REFER TO RFQ/PO DOCUMENTS)									
48	<input checked="" type="radio"/> SAFE TIME - CURRENT CURVE				MAX. SURFACE TEMP. DURING NORMAL STARING OR OPERATION OF:				
49	<input checked="" type="radio"/> SPEED - TORQUE CURVE				<input type="radio"/> ROTOR n/a °F		<input type="radio"/> STATOR n/a °F		<input type="radio"/> ENCLOSURE n/a °F
50	<input checked="" type="radio"/> SAFE LOCKED ROTOR TIME				HOT 23	COLD 51			
51	NOTES:								
52	8.5 Motor nameplate shall indicate service factor, area classification and T-rating. T-rating relates to both external and internal components.								
53	8.6 Provide accessory loads on submittal documents, e.g. Volts, HP, kVA, etc.								
54	8.7 All motors shall be rated for Cl. I, Div. 2, Gr. B,C,D and a T3C temperature code for project uniformity.								
55	8.8 An oversized electrical terminations box is required.								
56	8.9 Grounding provisions are required for inside and outside the motor connection box.								
57									



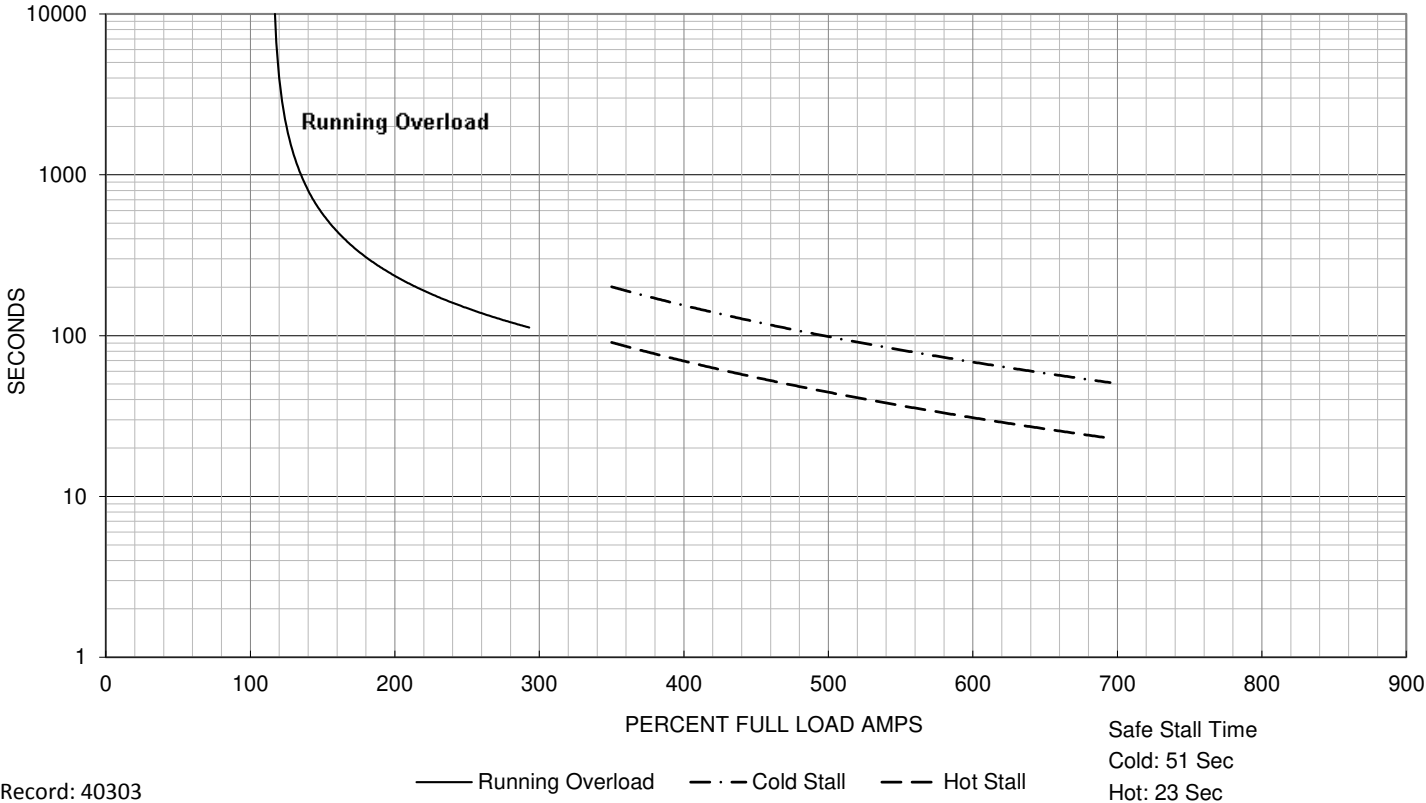
Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values



THERMAL LIMIT CURVE

07WGX814

7.5HP 460V 60HZ



Speed Time / Current Time Curve



07WGX814 : Variable Torque : 39. lb-ft² Load Inertia

7.5HP 460V 60HZ

