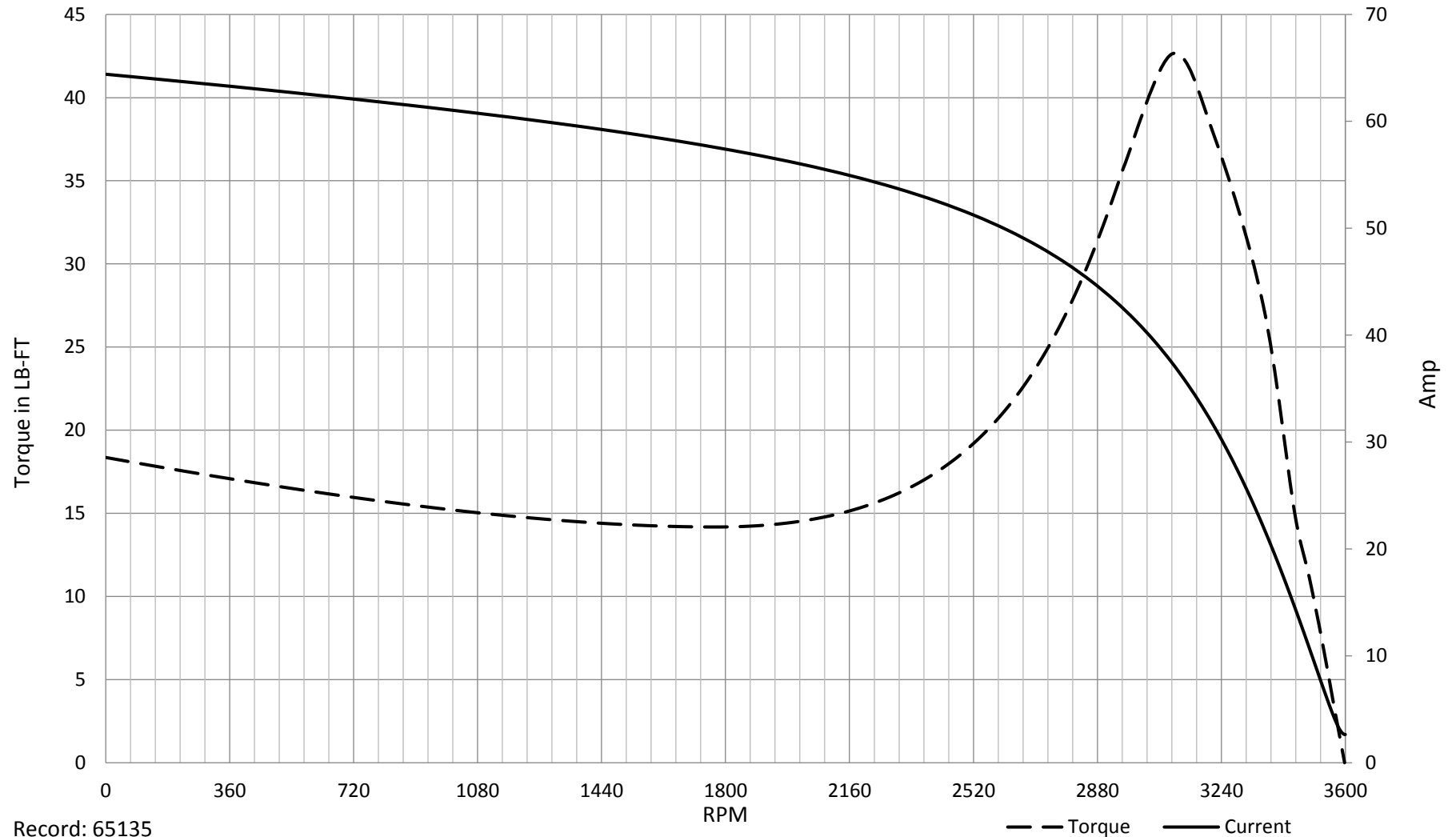
	<b>LOW VOLTAGE MOTOR (IEEE 841)</b> <b>DATA SHEET</b> <b>U.S. CUSTOMARY UNITS</b>		<b>Contract:</b> A8KM <b>Item No:</b> 18-P-382A/B <b>Revision:</b> F <b>Date:</b> 1-Apr-24 <b>Unit:</b> Propane Recovery Unit <b>RFQ / P.O. No.:</b> A8KM-4-619 <b>Sheet</b> 10 of 10		Rev																										
	<b>APPLICABLE MOTOR SPECIFICATION</b> A8KM-PP-000-50670-A																														
	Doc. No.: A8KM-18-070-540091-A																														
1	APPLICABLE TO <input type="radio"/> PROPOSAL <input checked="" type="radio"/> PURCHASE <input type="radio"/> AS BUILT				D																										
2	CLIENT: <b>World Energy Paramount</b>		SERVICE: <b>Compressor KO Drum Pumps</b>																												
3	PLANT: <b>World Energy Renewables Project</b>		MOTOR TAG NO. / NO. REQ'D: <b>18-P-382AM/BM</b> / <b>Two (2)</b>		D																										
4	SITE: <b>Paramount, CA</b>		DRIVEN EQUIPMENT TYPE / TAG NO.: <b>Regen. Turbine Pump</b> / <b>18-P-382A/B</b>																												
5	<b>DESIGN DATA AND ACCESSORY EQUIPMENT</b>																														
6	NAMEPLATE <b>10</b> HP <b>1.15</b> S.F. <b>3600</b> RPM POWER (VOLTAGE/PHASE/HERTZ) <b>460</b> / <b>3</b> / <b>60</b>					D																									
7	ROTATION (WHEN FACING MOTOR OPPOSITE DRIVE END): CW CCW <b>Fans shall be bi-directional</b>																														
8	INSULATION CLASS: <input type="radio"/> B <input checked="" type="radio"/> F <input type="radio"/> H <input type="radio"/> VPI TEMP. RISE <b>CLASS B</b> / °C over <b>40</b> °C AMBIENT																														
9	AREA CLASSIFICATION: CLASS <b>I</b> , GROUP <b>B/C/D</b> DIV. <b>2</b> T-RATING <b>T3C</b> / °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 <b>104</b> °F / MIN. <b>35</b> °F ALTITUDE <b>69</b> ft					D																									
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: <b>85</b> dBA @ <b>3</b> FEET																														
20	STARTING: <input checked="" type="radio"/> FULL VOLTAGE <input checked="" type="radio"/> REDUCED VOLTAGE, <b>80</b> % OF VOLTAGE <b>Starting Voltage Dip Allowance</b>																														
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 <b>Note 10.2</b> V <b>1</b> PHASE <b>320</b> °F MAX. TEMP					D																									
23	<input checked="" type="radio"/> OVERSIZE TERMINAL BOX <input type="radio"/> DRAIN PLUGS <b>Terminal Box shall be the largest feasible for the motor frame.</b>																														
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: <b>10.1) This data sheet applies to motors 1/2 hp through 500 hp with anti-friction bearings.</b>																														
27	<b>10.2) Space heaters are required for 100 hp and above. Not Applicable TO 10 HP Motor.</b>					E																									
28	<b>10.3) IP55 min degree of protection is required.</b>					D																									
29	<b>10.4) Average relative humidity is 54%.</b>																														
30	<b>INFORMATION BELOW TO BE COMPLETED BY VENDOR</b>																														
31	MOTOR MFR. <b>ABB / Baldor</b>		MODEL <b>CECP83771T-4</b>		SERIAL NO. <b>F2306025461 &amp; F2303275452</b>	E																									
32	NAMEPLATE HP <b>10</b>		FULL LOAD RPM <b>3453</b>		FRAME <b>215 TC</b>	WEIGHT <b>225</b> LB	D																								
33	MOTOR OUTLINE DRAWING NO. <b>07LY-M320</b>																														
34	ROTOR CAGE MATERIAL OF CONSTRUCTION <b>Steel</b>		MOTOR WINDING MATERIAL <b>Copper</b>			E																									
35	BEARING MANUFACTURER <b>SKF</b>		SIZE <b>6307</b>			E																									
36	VERTICAL MOTOR THRUST BEARING: TYPE <b>N/A</b>		CAPACITY: UP <b>N/A</b> LBS DOWN <b>N/A</b> LBS		LOCATION <b>N/A</b>	E																									
37																															
38	<table border="1"> <thead> <tr> <th>LOAD</th> <th>FULL</th> <th>3/4</th> <th>1/2</th> <th>OTHER</th> </tr> </thead> <tbody> <tr> <td>AMPERES</td> <td>11.3</td> <td>8.61</td> <td>6.21</td> <td></td> </tr> <tr> <td>EFFICIENCY, %</td> <td>91.6</td> <td>92.3</td> <td>92.2</td> <td></td> </tr> <tr> <td>POWER FACTOR</td> <td>89.0</td> <td>88.0</td> <td>81.0</td> <td></td> </tr> <tr> <td>SPEED, RPM</td> <td>3504</td> <td>3530</td> <td>3554</td> <td></td> </tr> </tbody> </table>				LOAD	FULL	3/4	1/2	OTHER	AMPERES	11.3	8.61	6.21		EFFICIENCY, %	91.6	92.3	92.2		POWER FACTOR	89.0	88.0	81.0		SPEED, RPM	3504	3530	3554		LOCKED ROTOR AMPS* <b>81 @ 460V</b> AMPS	D
LOAD	FULL	3/4	1/2	OTHER																											
AMPERES	11.3	8.61	6.21																												
EFFICIENCY, %	91.6	92.3	92.2																												
POWER FACTOR	89.0	88.0	81.0																												
SPEED, RPM	3504	3530	3554																												
39					FULL LOAD TORQUE* <b>14.8 @ 460V</b> FT-LB	D																									
40					LOCKED ROTOR TORQUE* <b>29 LB-FT @ 460V</b> %	D																									
41					PULL UP TORQUE* <b>22.4 LB-FT @ 460V</b> %	D																									
42					BREAKDOWN TORQUE* <b>67.3 LB-FT @ 460V</b> %	D																									
43					ACCEL. TIME W/ LOAD (0 TO FULL SPEED)* SEC.																										
44	SOUND LEVEL: GUARANTEED dBA / EXPECTED dBA				STALL TIMES AT ZERO RPM* - HOT / COLD / SEC.																										
45	FAN MATERIAL (NON-SPARKING)				NUMBER OF CONSECUTIVE STARTS*																										
46	* INDICATED AT RATED VOLTAGE																														
47	<b>INFORMATION BELOW TO BE PROVIDED BY VENDOR AFTER PURCHASE (REFER TO RFQ/PO DOCUMENTS)</b>																														
48	<input checked="" type="radio"/> SAFE TIME - CURRENT CURVE MAX. SURFACE TEMP. DURING NORMAL STARING OR OPERATION OF:					F																									
49	<input checked="" type="radio"/> SPEED - TORQUE CURVE <input type="radio"/> ROTOR °F <input type="radio"/> STATOR °F <input type="radio"/> ENCLOSURE °F					F																									
50	<input checked="" type="radio"/> SAFE LOCKED ROTOR TIME HOT COLD																														
51	NOTES:																														
52	<b>10.5 Motor nameplate shall indicate service factor, area classification and T-rating. T-rating relates to both external and internal components.</b>																														
53	<b>10.6 Provide accessory loads on submittal documents, e.g. Volts, HP, kVA, etc.</b>																														
54	<b>10.7 All motors shall be rated for Cl. I, Div. 2, Gr. B,C,D and a T3C temperature code for project uniformity.</b>																														
55	<b>10.8 Oversized conduit box is rotatable 90 deg increment, F-1 mounted.</b>					D																									
56	<b>10.9 Grounding provisions are required for inside and outside the motor connection box.</b>																														
57	<b>10.10 Motor shall be Inverter Duty rated with 1.0 S.F per NEMA MG-1, para 31.3.7 and noted on the nameplate along with 1.15 S.F. Motor shall also be capable of DOL starting with Voltage dip, as noted.</b>					D																									
58	<b>10.11 Intermittent service, 0.1* to 10 starts per day (* 0.1 represents 1 start /10 days).</b>																														

## SPEED TORQUE / SPEED CURRENT CURVES

07WGY930

10HP 368V 60HZ



Record: 65135

Air Products Inc.  
P.O. No.: 4505675605  
Project No.: EN207120  
Project Name: World Energy Renew Naphtha /PRU US7L  
Location: Paramount, CA

Equipment: Compressor KO Drum Pumps  
Item Nos.: 18-P-382 A/B  
Model No.: MDW5141SA  
S/N: 64228 - 1 & 2

Equipment: Compressor KO Drum Pump Motors  
Item Nos.: 18-P-382 AM/BM

VDR Code: EZ00  
SDDC Code: SUP-CRV-012  
Doc No.: MPC-01  
Document Name: Motor Performance Curve & Motor Data Sheet  
Rev. No.: F