



ELECTRICAL DATA SHEET: MOTORS, LOW VOLTAGE, 300KW (400 HP) AND SMALLER

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


Rev. No: 1

Project No: H343937 Client Name: MEG Energy Date: 12/4/2013
Tag No: 13KM-1401A/B Project Name: HI-Q Field Demonstration Pilot
Service: Instrument Air Compressor
EWR/WO/PO No:

1	12/4/2013	Re-issued for Use	ML	KQ	ML	DB
0	11/18/2013	Issued for Use	ML	KQ	ML	DB
Rev	Date	Revision Description	By	Chk.	Eng.	Proj.

These sheets constitute the permanent data record of the specified equipment. Col 1: Item or line number. Col 2: References the Specification or Datasheet item. Col 3: Dictates the requirement to follow the specification and/or Datasheet. Col 4: Requires the Vendor to confirm the values specified in Col 2 or to enter the requested quoted value. Col 5: When 'Q' (Quote) is entered at the time of quotation the Supplier shall enter the information in Col 4 marked 'Supplier Quote', and shall comply with the information marked 'P' (Provide) on receipt of the Purchase Order, to be submitted with Vendor drawings.

Legend: Q = Supplier to Provide Data P = Supplier Quoted Item to be Provided. Yes or No = Specification & Data Sheet to be Followed





1	2	3	4	5	6
	SPECIFICATION ITEM	Required	Supplier Quote	P/Q	Remarks
1	MANUFACTURER DATA				
2	Manufacturer Name: WEG	Yes		P	Vendor
3	Model Number: TBD 	Yes		P	Vendor
4	Serial Number: TBD	Yes		P	Vendor
5	ELECTRICAL SYSTEM				
6	Motor Size: 25 HP  Service Factor: 1.15	Yes		P	Note 3
7	Supply System Voltage: 575 VAC, 3 ph, 60 Hz	Yes		P	
8					
9					
10	SITE ENVIRONMENTAL CONDITIONS				
11	Ambient Temperatures: 75 °F Daily Average -40 °F Low °C High	Yes			
12	Location: Indoors	Yes			
13	Elevation: 2120 Feet Above Sea Level	Yes			
14	Humidity: Max: % Min: %	Yes			
15	Seismic Zone: PGA = 0.06	Yes			
16	Environment:	Yes			
17	Area Classification: Non Hazardous Gas Group: Locn: Indoors	Yes			
18	Unusual Conditions: Yes Corrosive Dust	Yes / No			
19	Gases:				
20	Other:				
21					
22					
23	DESIGN				
24	Number of Poles: 2 NEMA Design Type: B	Yes		P	Vendor
25	Insulation Class: F	Yes		P	
26	Temperature Rise: 80 °C Above 40 °C Ambient	Yes		P	
27	Motor Type: Squirrel Cage Induction Motor	Yes		P	
28	Maximum Locked Rotor Current: 780 %  at % PF	Yes		P	
29	Motor Windings: Material: Yes Copper Aluminum	Yes		P	
30	Efficiency: Yes High Standard	Yes		P	
31	Direction: Yes Horizontal Vertical	Yes		P	
32	Rotation: Two-Speed Yes Reversible	Yes		P	
33	Duty: Inverter Yes Continuous	Yes		P	
34	Turndown Ratio:				
35	NEMA MG-1 (Part 31) Yes	Yes		P	
36	A. The Requirements of CSA STD. C22.2 No. 100, Clause 12, Shall Be Met.				
37	B. If the Induced Voltage on the Shaft Exceeds 300 millivolts (Peak) the Non-Drive End				
38	Bearing shall be Insulated.				
39	Starting Method: Full voltage			P	
40	or				
41	Max. Volt Drop at Motor Terminals: 20 %				



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	SPECIFICATION ITEM	Required	Supplier Quote	P/Q	Remarks
43	DESIGN				
44	See Notes 1 to 4 for additional design requirements.				
45					
46	ENCLOSURE				
47	Type of Enclosure: TEFC (totally enclosed fan cooled) Group:	Yes		P	
48	Other: IP55 				
49	Surface Temperature Code:  °C	Yes			
50	TEFV (Totally Enclosed, Fan Ventilated) No	Yes			
51	Inlet Temperature: Max: °C Min: °C				
52	Temperature Rise: Max: °C Min: °C				
53					
54					
55	SHOP TESTS AND INSPECTION				
56	Manufacturers Standard Tests: Yes	Yes / No		P	
57		Required Observed Witnessed			
58	Routine as per Electrical Specifications: Yes	Yes / No		P	
59	Complete Tests as per Electrical Specifications: No	Yes / No			
60					
61					
62					
63					
64					
65					
66	MISCELLANEOUS				
67	Noise Level: NEMA MG-1: No or <85 dBA at 1m	Yes / No		P	
68	Other: IEEE Std. 841	Yes / No			
69	Efficiency Cost Factor: \$/kW				
70					
71					
72	POWER TERMINAL BOX				
73	Terminal Box Location from Opposite Drive End: RHS (right hand side)	Yes			
74	Direction of Cable Entrance: Bottom	Yes			
75	Terminal Box to be Oversized: Yes	Yes or No			
76	Lugs Required: Yes	Yes or No			
77	Grounding Lugs Required: Yes	Yes or No			
78	Others:				
79					
80					
81	ACCESSORIES				
82	Thermistor Winding Protection: No Number per Phase:	Yes or No			
83	Trip Unit By: Motor Manufacturer: No Others:	Yes or No			
84	Control Voltage: V Source:	Yes			
85	Space Heaters: No VAC phase	Yes or No			
86	Quantity: Rating: watts each	Yes			
87	Explosion Proof: Group:	Yes or No			
88	Auxiliary Terminal Box: No	Yes or No			
89	Grounding Lugs Required on Motor Frame: Yes	Yes or No			
90	Lifting Devices (Eye-Bolts/Lugs): Yes	Yes or No			
91	Others:				
92					
93	MANUFACTURER DATA				
94	Bearings Type Part Number				
95	Drive End 6309-C3 	Yes		P	Vendor
96	Opposite Drive End 6209-Z-C3 	Yes		P	Vendor



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97	MANUFACTURER DATA				
98	Lubrication	Type	Spec		
99	Drive End		Mobil Polirex EM	Yes	P Vendor
100	Opposite Drive end		Mobil Polirex EM	Yes	P Vendor
101	Motor Size: 25 HP	Service Factor: 1.15		Yes	P Vendor
102	Full Load Current: 23 A	180 LRA or	LRKVA Code Letter:	Yes	P Vendor
103	Guaranteed Efficiency: FL: 92.8 %	1/4 FL: 92.8 %	1/2 FL: 92 %	Yes	P Vendor
104	Torque: FL: 49.9 Nm	Locked Rotor: 240 %	Breakdown: 300 %	Yes	P Vendor
105	PF: FL: 0.87	1/4 FL: 0.83	1/2 FL: 0.74	Yes	P Vendor
106	Max Stall Time:	Cold: s	Hot: 11 s	Yes	P Vendor
107	Frame: 160L			Yes	P Vendor
108	Shaft: Solid:	Hollow:	Motor RPM 3540	Yes	P Vendor
109	Two Speed:			Yes	P Vendor
110	Motor Weight: 119 kg	Max PF Correction Capacitor:	kVAr	Yes	P Vendor
111					
112					
113	Deviations from Specification:				
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133	Engineering Notes:				
134	1. Standard CSA nameplate shall be installed with enclosure type added to it.				
135	2. Note Deleted				
136	3. Motor power rating is specified by the package vendor.				
137	4. This data sheet is for motor tag number 13KM-1401A and 13KM-1401B				
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149	Datasheet Form Rev 3				
	End of Datasheet				
	Last Revision Date 2012/12/21				