
	DATA SHEET - COMPRESSOR		Identification Code 60187-DS(a)	
			Sheet 1 / 2	Rev C
	Client MEG Energy Corp.	Project No. 1500 HI-Q Field Demonstration Pilot H343937	Date July 28, 2014	

Identifiers	Name: BOGE C 20	Tag: 13K-1401A/B
	Qty: 2	P&ID: 60187-PID

Process	Inlet Fluid: Air	Capacity: 90 cfm
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Design Conditions	Maximum Pressure: 125 psig
	Outlet Temperature Above Ambient Temperature: 10 K
	Suction or ambient temperature (min...max): +41...+113 °F
	Residual oil content in compressed air: 1...3 ppm

Connections	Inlet:	Outlet: NPT 1"
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Supports	Type: Structural Steel Skid	Lifting Lugs: 4
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Accessories	<ul style="list-style-type: none"> • Associated Piping • Boge C22 Converter • 200 gallon wet air receiver • Skid • Boge FOCUS controller
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Coatings	External Paint: Light blue, RAL 5012
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Regulatory	Code: ASME Section VIII, Division 1, Latest Edition
	Canadian Electrical Code
	Registration: Province of Alberta, ABSA
	U-Stamp: Required for pressure vessels and ASME-rated heat exchangers

Electricity	Operating Voltage: 575	Hertz: 60	Phase: 3
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Utilities	Cooling Air flow volume (if connected to ducting): 1177 cfm
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General Specifications	Weight: 1082 lbs	Dimensions: 30.4" (W) x 41.6"
	Noise: 65 dB(A)	(D) x 68.3" (H)

HATCH		VENDOR DATA REVIEW			
Name	Signature	Date yy-mm-dd	Comments		
			Yes	No	
A. Patki	AP.	14-02-08			-
Doc Number					
Date Received					
Review Grade			Next Submittal Status		
<input type="checkbox"/> C1 - Proceed to next submission & status <input type="checkbox"/> C2 - Proceed with exceptions as noted to next submission & status <input type="checkbox"/> C3 - Do not proceed, revise as noted & resubmit			<input type="checkbox"/> Internal Review <input type="checkbox"/> Certified Final <input type="checkbox"/> Final <input type="checkbox"/> As-Built		
			Next Submittal Date:		
No further submission required - Complete			<input type="checkbox"/>		
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Notes

- Supply air filter fitted at cooling air inlet
- Electrical switch cabinet NEMA 12 (IP 54) with star-delta contactor and pressure sensor
- Motor protection IP 55 with PTC thermistors
- All components are integral but still easily accessible from the outside
- Patented **BOGE GM drive system** constant belt tension, maintenance free.
- Compressor unit isolated from mechanical vibration
- Hermetically sealed **BOGE suction regulator with integrated solenoid valve** ensures no load starting and safe operation of all moving parts
- Minimal internal pressure loss due to the **BOGE air end with optimized screw profile** fitted directly into a compact module
- Constant low oil carry-over in all operating phases due to efficient pre-separation in the integral compressed air-oil separator
- Easy change oil separator cartridge and high efficiency oil filter via common access lid
- Valveless oil circuit
- No condensate in the oil due to thermostatically controlled oil cooler
- Surface coating in light blue, RAL 5012
- Economical operating mode selection due to BOGE control, regulation and monitoring systems with microprocessor control and individual fault message displays
- Constant compression temperature and pressure display
- Precise pressure adjustment via keypad
- Anti-freeze protection for compressors in environments with ambient temperature below 36F

		VENDOR DATA REVIEW		
Name	Signature	Date yy-mm-dd	Comments	
			Yes	No
A. Passa	A. A.	14-08-06		✓
A. Patki	A. P.	14-08-08		-
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<input type="checkbox"/> No further submission required - Superseded			<input type="checkbox"/>	
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