

GAS COMPRESSOR

UNIT: CB02

PERFORMANCE

Base Horsepower	100 HP
Packager	Enerflex 950414

DRIVER

Style	Electric Motor Drive
Make	Teco Westinghouse
Type	4EHH-8N
Serial Number	FX7126445011
Cylinders	N/A
Frame	405T
Output (RPM)	1800 RPM
Phases	Three Phase
Voltage	460 V
Frequency	60 Hz



COMPRESSOR

Make	Ariel
Model	JGA/2
Serial Number	F-20589
Throws	2
Stages	2
Rated RPM	1,800
Distance Pieces	S2C



CONTROL PANEL

Make	Murphy
Model	Enerflex
Serial Number	950414
HMI / PLC	Pneumatic

NOISE ATTENUATION

Muffler Style	None
Sound Power Levels Engine exhaust	None
Enclosure	None

PULSATION

	Manuf.	CRN	Serial Number	MAWP	Temp	RT HT
Stage 1 Suction	Expanded	Pipe				
Stage 1 Disch.	Expanded	Pipe				
Stage 2 Suction	Expanded	Pipe				
Stage 2 Disch.	Expanded	Pipe				
Stage 3 Suction	N/A	N/A	N/A	N/A	N/A	N/A
Stage 3 Disch.	N/A	N/A	N/A	N/A	N/A	N/A

CYLINDERS

	Size	Bore	MAWP	Class	Serial Number
Stage 1	7 1/8" JG	7.125	330 psi (2.27 MPa)	JG	C-25526
Stage 2	4 1/8" JG	4.125"	1270 psi (8.75 MPa)	JG	C-60922
Stage 3	N/A	N/A	N/A	N/A	N/A
Stage 4	N/A	N/A	N/A	N/A	N/A

SCRUBBERS

	Manuf.	CRN	Serial Number	MAWP	Temp	RT HT
Stage 1 Suction	Penefabco	R7004.213	8775	645 psi (4447 kPa)	350°F	RT1 HT
Stage 2 Suction	Penefabco	R7004.213	8775	645 psi (4447 kPa)	350°F	RT1 HT
Stage 3 Suction	N/A	N/A	N/A	N/A	N/A	N/A
Stage 4 Suction	N/A	N/A	N/A	N/A	N/A	N/A

END DEVICES

	Quantity	Make	Model
LEL Detection	1	Net Safety	Millennium
H2S Detection	1	Net Safety	Millennium
Fire Detection	1	Net Safety	Millennium
Beacons	0	N/A	N/A

PSV's

	Manufacturer	Model	Serial Number	Set Pressure	Size
Stage 1 Suction	Mercer	91-23E11T11115	170957	260 psi (1793 kPa)	1" (23.4 mm) x 1.5" (48.3 mm)
Stage 1 Disch.	Mercer	RMV23050R	172685	225 psi (1552 kPa)	1" (33.4 mm) x 1.5" (48.3 mm)
Stage 2 Disch.	Mercer	91-24E1111.301S	172686	650 psi (4482 kPa)	1" (33.4 mm) x 1.5" (48.3 mm)
Stage 3 Disch.	N/A	N/A	N/A	N/A	N/A

VALVES

	Make	Model	Serial Number	Size	Trim
Suction Control	Auto Fisher	V-200 SERB	18666012G	3" CL600	40
Disch Control.	Northstar	40552-36221	EV01014	2" CL600	20
Bypass Control	Manual	Ball	Valve		
Recycle	Manual	Ball	Valve		
Blowdown					
Stage 3 Disch.					

COOLER

Make	AHX Hemphill
Model	3330
Job Number	3330
Fan Size	36" (914.1 mm)
Fan Model	Hemphill
Louvres	Manual
Fan Drive (electric/jackshaft)	Electric Motor

Section	Make	CRN	Serial Number	MAWP	Temp	RT HT
Jacket Water	Hemphill	N/A	10138.1	14 psi (96 kPa)	300°F	RT1 HT
Inter-Cooler 1	Hemphill	R2276.213	10138.2	1292 psi (8908 kPa)	350°F	RT1 HT
Inter-Cooler 2	N/A	N/A	N/A	N/A	N/A	N/A
Inter-Cooler 3	N/A	N/A	N/A	N/A	N/A	N/A
After Cooler	Hemphill	R2276.213	10138.2	1292 psi (8908 kPa)	350°F	RT1 HT

CONNECTIONS

Suction Inlet Flange	4"(114.3 mm) CL300 RF
Discharge Flange	4" (114.3 mm) CL300 RF
Fuel Gas	1" Threaded
Start Gas	1" Threaded
Instrument Air	N/A
Flare	3" (76.2 mm) CL150 RF
Separator Drain	1" Threaded

SHIPPING DIMENSIONS

Width	12' – 7" (3.85 m)
Length	24' – 11" (7.6 m)
Height	11' – 6" (3.51 m)
Weight Estimate	TBD

CERTIFICATION

Vessel	ASME Sec. VIII Div.1
Piping	ASME B31.3
Province(s) of Registration	AB, BC, SK
Area Classification	Class 1 Zone 2
Service	Sour

PILE LAYOUT

Approximate Number of piles	20
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