

GAS COMPRESSOR

UNIT: CB10

PERFORMANCE

Base Horsepower	400 HP
Packager	Propak
Year Built	2009

DRIVER

Style	Electric
Make	Teco Westinghouse
Model	AEHH 8NUW4
Serial Number	M6 AC07B505-1
Cylinders	
Frame	5011C
Output (RPM)	1185 RPM
Phases	3
Voltage	460V
Frequency	60Hz



COMPRESSOR

Make	Ariel
Model	JGJ/4
Serial Number	F-31086
Rated HP	400 HP
Throws	4
Stages	3
Rated RPM	1800 RPM
Distance Pieces	Standard Singles



CONNECTIONS

Suction Inlet Flange	6" CL150
Discharge Flange	2" CL600
Fuel Gas	1" Threaded
Start Gas	N/A
Instrument Air	3/4" Threaded
Flare	4" CL150

CONTROL PANEL

Make	Propak
Model	082564
Serial Number	082564-146
HMI / PLC	Allen Bradley

COOLER

Make	AXH
Model	72EF
Job Number	87527
Serial Number	WO82564
Fan Size	72"
Fan Model	Moore
Louvres	Yes
Fan Drive (electric/jackshaft)	Electric

Section	Make	CRN	Serial Number	MAWP	Temp	RT HT
Jacket Water	N/A	N/A	N/A	N/A	N/A	N/A
Inter-Cooler 1	AXH	R4712.2	87527.1	215 psi (1482 kPa)	350°F	RT1 HT
Inter-Cooler 2	AXH	R1519.2	87527.2	645 psi (4447 kPa)	350°F	RT1 HT
Inter-Cooler 3						
After Cooler	AXH	V5453.2	87527.3	1287 psi (8873 kPa)	350°F	RT1 HT

SCRUBBERS

	Manuf.	CRN	Serial Number	MAWP	Temp	RT HT
Stage 1 Suction	Propak	V6206.21	082564-101	230 psi (1586 kPa)	300°F	RT1 HT
Stage 1 Suction	Propak	V6210.21	082564-102	230 psi (1586 kPa)	300°F	RT1 HT
Stage 2 Suction	Propak	V6211.21	082564-103	655 psi (4516 kPa)	300°F	RT1 HT
Stage 3 Suction						

END DEVICES

	Quantity	Make	Model
LEL Detection	2	Net Safety	Millennium
H2S Detection	0		
Fire Detection	2	Net Safety	Millennium
Beacons	0		

PULSATION

	Manuf.	CRN	Serial Number	MAWP	Temp	RT	HT
Stage 1 Suction	Propak	V6212.21	082564-105	230 psi (1585 kPa)	300°F		RT1 HT
Stage 1 Disch.	Propak	V6213.21	082564-106	215 psi (1482 kPa)	300°F		RT1 HT
Stage 2 Suction	Propak	V6214.21	082564-107	230 psi (1585 kPa)	300°F		RT1 HT
Stage 2 Disch.	Propak	V6215.21	082564-108	645 psi (4447 kPa)	300°F		RT1 HT
Stage 3 Suction	Propak	V6216.21	082564-109	655 psi (4516 kPa)	300°F		RT1 HT
Stage 3 Disch.	Propak	V6217.21	082564-110	1287 psi (8873 kPa)	350°F		RT1 HT

CYLINDERS

	Size	Bore	MAWP	Class	Serial Number
Stage 1	13"	13.000"	300 psi (2.06 MPa)	RJ	C-104281
Stage 1	13"	13.000"	300 psi (2.06 MPa)	RJ	C-104279
Stage 2	8 3/8"	8.375"	635 psi (4.37 MPa)	RJ	C-104282
Stage 3	4 5/8"	4.625"	2600 psi (17.92 MPa)	HJ	C-10428

PSV's

	Manufacturer	Model	Serial Number	Set Pressure	Size
Stage 1 Suction	N/A	N/A	N/A	N/A	N/A
Stage 1 Disch.	Tyco	JOS E-15-3	C0768121	215 psi	1.5" x 2"
Stage 2 Disch.	Tyco	JOS E35 J	C-08 29477	635 psi	1" x 2"
Stage 3 Disch.	Tyco	JOS E 45J	G08 30299	1287 psi	1" x 2"

VALVES

	Make	Model	Serial Number	Size	Trim
Suction Control	None				
Disch Control.	None				
Bypass Control					
Recycle	Fisher	657	0018684451G	1-3600 psi	1/2"
Blowdown	Fisher	D2		3/8" Port	1/2"
Stage 3 Disch.					

CERTIFICATION

Vessel	ASME Sec. VIII Div. 1
Piping	ASME B31.3
Province(s) of Registration	AB
Area Classification	Class I Zone II
Service	Sweet

NOISE ATTENUATION

Muffler Style	N/A
Sound Power Levels	None

SHIPPING DIMENSIONS

Width	16' – 6" (5.02 m)
Length	33' – 4" (10.16 m)
Height	15' – 9" (4.8 m)
Weight Estimate (dry)	78,705 lbs. (35700 kg)

PILE LAYOUT

Approximate Number of piles	TBD
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