

**GAS COMPRESSOR**

**UNIT: CB12**

**PERFORMANCE**

Base Horsepower	1085 HP
Packager	Toromont Process Systems
Year Built	2006

**DRIVER**

Style	Field Gas
Make	CAT
Model	TAWLE G3516
Serial Number	4EK04833
Cylinders	16
Frame	N/A
Output (RPM)	1200 RPM
Phases	N/A
Voltage	N/A
Frequency	N/A



**COMPRESSOR**

Make	GE Energy 0.18 Gas – Gemini
Model	DS604
Serial Number	DS170
Rated HP	2400 HP
Throws	4
Stages	3
Rated RPM	1200 RPM
Distance Pieces	Sweet



**CYLINDERS**

	Size	Bore	MAWP	Class	Serial Number
Stage 1	10.0-11.25 x D60	11 in	1250 psi	89	95G2291A
Stage 1	10.0 – 11.25 X D60	11 in	1250 psi	89	95G2292A
Stage 2	7-7.5-95 X D60	7.5 in	1800 psi	89	95G2293
Stage 3	5.5 -6.25 -89 X D60	5.5 in	2200 psi	89	89G4672

**COOLER**

Make	AXH
Model	144EH
Job Number	064104
Serial Number	064104.3-11356.3
Fan Size	144 in
Fan Model	Moore – CL 10K
Louvres	Yes
Fan Drive (electric/jackshaft)	Jackshaft

Section	Make	CRN	Serial Number	MAWP	Temp	RT HT
Jacket Water	AXH	N/A	064104.2.2-11356.1.2	14 psi	300°F	HT
Inter-Cooler 1	AXH	T7148.213	064104.3-11356.3	645 psi	350°F	HT
Inter-Cooler 2	AXH	T7147.213	064104.4-11356.4	1292 psi	350°F	HT
Inter-Cooler 3	N/A	N/A	N/A	N/A	N/A	N/A
After Cooler	AXH	T7149.213	064104.5-11356.5	1600 psi	350°F	HT

**SCRUBBERS**

	Manuf.	CRN	Serial Number	MAWP	Temp	RT HT
Stage 1 Suction	Toromont Energy Systems	R3800.213	3153581	655 psi	300°	RT2
Stage 1 Suction	N/A	N/A	N/A	N/A	N/A	N/A
Stage 2 Suction	Toromont Energy Systems		3153582	655 psi	300°F	RT2
Stage 3 Suction	Toromont Energy Systems		3153583	1315 psi	300°F	RT2

**PULSATION**

	<b>Manuf.</b>	<b>CRN</b>	<b>Serial Number</b>	<b>MAWP</b>	<b>Temp</b>	<b>RT HT</b>
Stage 1 Suction	Toromont Energy Systems	T1089.2	31535P1	655 psi	300°F	RT2
Stage 1 Disch.	Toromont Energy Systems	T7095.2	31535P2	645 psi	350°F	RT2
Stage 2 Suction	Toromont Energy Systems	T1092.2	31535P3	655 psi	300°F	RT2
Stage 2 Disch.	Toromont Energy Systems	T7091.2	31535P4	1288 psi	350°F	RT2
Stage 3 Suction	Toromont Energy Systems	T1094.2	31535P5	1315 psi	300°F	RT2
Stage 3 Disch.	Toromont Energy Systems	T7090.2	31535P6	1600 psi	350°F	RT2

**PSV's**

	<b>Manufacturer</b>	<b>Model</b>	<b>Serial Number</b>	<b>Set Pressure</b>	<b>Size</b>
Stage 1 Suction	N/A	N/A	N/A	N/A	N/A
Stage 1 Disch.	Farris Engineering	26GA12A-120 672084-2	502205-5-A10	645 psi	1.5 in G 3 in
Stage 2 Disch.	Farris Engineering	26FA13-120 643008-1	496597-17-A10	1288 psi	1.5 in F 2 in
Stage 3 Disch.	Farris Engineering	26FA14-120 643008-2	496598-7-A10	1600 psi	1.5 in F 2.5 in

**VALVES**

	<b>Make</b>	<b>Model</b>	<b>Serial Number</b>	<b>Size</b>	<b>Trim</b>
Suction Control	Fisher	G (veeball)	17741779	4 in	
Disch Control.	N/A	N/A	N/A	N/A	
Bypass Control	N/A	N/A	N/A	N/A	
Recycle	Fisher	D4	17648455	2 in	¾ in
Blowdown	Fisher	D4	17651741	1 in	¾ in
Stage 3 Disch.	N/A	N/A	N/A	N/A	

**END DEVICES**

	<b>Quantity</b>	<b>Make</b>	<b>Model</b>
LEL Detection	2	Net Safety	Millenium – MLP-A-SC1100
H2S Detection			
Fire Detection			
Beacons			

**CONNECTIONS**

Suction Inlet Flange	8" CL300
Discharge Flange	4" CL900
Fuel Gas	2" CL150
Start Gas	2" CL600
Instrument Air	2" CL150
Flare	4" CL150

**SHIPPING DIMENSIONS**

Width	23' – 6 1/8" (7.16 m)
Length	42' – 4 1/2" (12.92 m)
Height	20' – 4 3/4" (6.22 m)
Weight Estimate (dry)	185,000 lbs (83,914 kgs)

**CERTIFICATION**

Vessel	ASME Sec. VIII Div. 1
Piping	ASME B31.3
Province(s) of Registration	AB
Area Classification	Class 1 Div. 2
Service	Sweet

**CONTROL PANEL**

Make	Toromont Energy Systems
Model	A/B Compact Logix
Serial Number	80383 J
HMI / PLC	Allen Bradley

**NOISE ATTENUATION**

Muffler Style	Hospital Grade II
Sound Power Levels	N/A

**PILE LAYOUT**

Approximate Number of piles	42
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