

**GAS COMPRESSOR**

**UNIT: CB09**

**PERFORMANCE**

Base Horsepower	630 HP
Packager	Propak
Year Built	2008

**DRIVER**

Style	Natural Gas
Make	CAT
Model	3508 LE
Serial Number	WPN00108
Cylinders	8
Frame	JGJ-4
Output (RPM)	1400 RPM



**COOLER**

Make	AXH
Model	108 AEF
Job Number	87526
Fan Size	108"
Fan Model	Moore
Louvres	Manual
Fan Drive (electric/jackshaft)	Jackshaft



Section	Make	CRN	Serial Number	MAWP	Temp	RT HT
Jacket Water	AXH	N/A	87526.2	14 psi	300°F	RT1 HT
Inter-Cooler 1	AXH	U5776.21	87526.3	215 psi	350°F	RT1 HT
Inter-Cooler 2	AXH	U5777.21	87526.4	215 psi	350°F	RT1 HT
Inter-Cooler 3	AXH	U5778.21	87526.5	645 psi	350°F	RT1 HT
After Cooler	AXH	U57526.6	87526.6	1287 psi	350°F	RT1 HT

**\*\*ALL COOLER FLANGE CONNECTIONS ARE STAINLESS STEEL\*\***

**SCRUBBERS**

	<b>Manuf.</b>	<b>CRN</b>	<b>Serial Number</b>	<b>MAWP</b>	<b>Temp</b>	<b>RT</b>	<b>HT</b>
Stage 1 Suction	Propak	U6112.21	082563-101	230 psi	300°F	RT1	HT
Stage 2 Suction	Propak	U6113.21	082563-102	230 psi	300°F	RT1	HT
Stage 3 Suction	Propak	U6114.21	082563-103	230 psi	300°F	RT1	HT
Stage 4 Suction	Propak	U6115.21	082563-104	655 psi	300°F	RT1	HT

**PULSATION**

	<b>Manuf.</b>	<b>CRN</b>	<b>Serial Number</b>	<b>MAWP</b>	<b>Temp</b>	<b>RT</b>	<b>HT</b>
Stage 1 Suction	Propak	U6116.21	082563-105	230 psi	300°F	RT1 /	HT
Stage 1 Disch.	Propak	U6117.21	082563-106	215 psi	350°F	RT1 /	HT
Stage 2 Suction	Propak	U6118.21	082563-107	230 psi	300°F	RT1 /	HT
Stage 2 Disch.	Propak	U6119.21	082563-108	215 psi	350°F	RT1 /	HT
Stage 3 Suction	Propak	U6120.21	082563-109	230 psi	300°F	RT1 /	HT
Stage 3 Disch.	Propak	U6121.21	082563-110	645 psi	350°F	RT1 /	HT
Stage 4 Suction	Propak	U6122.21	082563-111	655 psi	300°F	RT1 /	HT
Stage 4 Disch.	Propak	U6123.21	082563-112	1287 psi	350°F	RT1 /	HT

**PSV's**

	<b>Manufacturer</b>	<b>Model</b>	<b>Serial Number</b>	<b>Set Pressure</b>	<b>Size</b>
Stage 1 Suction	Anderson Crosby Tyco	702 E12-7VL Spring	C08-39852	200 psi	1.5" x 3"
Stage 1 Disch.	Anderson Crosby Tyco	702 E12 7V4 Spring	CVM	215 psi	1.5" x 3"
Stage 2 Disch.	Anderson Crosby Tyco	Spring	C08-13755	215 psi	1.5" x 3"
Stage 3 Disch.	Anderson Crosby Tyco	Spring	CO9-29428	635 psi	1.5" x 3"
Stage 4 Disch.	Tyco Valve Control	Pilot	C06-30560	835 psi	1.5" x 3"

**VALVES**

	<b>Make</b>	<b>Model</b>	<b>Serial Number</b>	<b>Size</b>	<b>Trim</b>
Suction Control	Fisher	D4	185364056	40 - 4"	40
Disch Control.					
Bypass Control					
Recycle	Fisher	657	18878612G	4.5-2"	45
Blowdown	Fisher	D2		1" CL900	No Actuator
Stage 3 Disch.					

**CYLINDERS**

	<b>Size</b>	<b>Bore</b>	<b>MAWP</b>	<b>Class</b>	<b>Serial Number</b>
Stage 1	19 1/2"	19.500"	200 psi	RJ	C-104035
Stage 2	13 1/2"	13.500"	300 psi	RJ	C-104036
Stage 3	8 3/8"	8.375"	635 psi	RJ	C-104034
Stage 4	4 5/8"	4.625"	2600 psi	HJ	C-104033

**END DEVICES**

	<b>Quantity</b>	<b>Make</b>	<b>Model</b>
LEL Detection	2	Net Safety	
H2S Detection	0		
Fire Detection	2	Net Safety	
Beacons			

**COMPRESSOR**

Make	Ariel
Model	JGJ/4
Serial Number	F-30995
Throws	4
Stages	4
Rated RPM	1800 RPM
Distance Pieces	Standard Singles

**PILE LAYOUT**

Approximate Number of Piles	40
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## CONNECTIONS

Suction Inlet Flange	8" CL300 RF
Discharge Flange	2" CL600 RF
Fuel Gas	1.5" Threaded
Start Gas	1.5" Threaded
Instrument Air	¾" Threaded
Flare	4" CL150 RF
Drain	1" Threaded

## SHIPPING DIMENSIONS

Width	18'-6" (5.64 m)
Length	39'-6" (12.05 m)
Height	15'-9" (4.80 m)
Weight Estimate (dry)	115,908 lbs. (52,575 kg)

## CONTROL PANEL

Make	Propak
Model	082563
Serial Number	082563-146
HMI / PLC	HMI/PLC (Allen Bradley)

## NOISE ATTENUATION

Muffler Style	Noise Annunciation Muffler
Sound Power Levels Engine exhaust	Yes
Enclosure	No

## CERTIFICATION

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

