

GAS COMPRESSOR

UNIT: CB501

PERFORMANCE

Base Horsepower	1265 HP
Packager	Enerflex
Year Built	2005
Suction Pressure (typical range) *	50 – 150 PSI (345 – 1035 kPa)
Discharge Pressure (maximum) *	1050 PSI (7240 kPa)
Flow Rate (typical range) *	3.5 – 7.5 mmscfd
Gas Source	Sweet
<i>*Performance is subject to confirmation on site specific process conditions</i>	

MAJOR EQUIPMENT

Gas Compressor	Included

DRIVER

Style	Gas, CAT 3516 TA-LE
Rating	1265 HP
Output (RPM)	1800 RPM



COMPRESSOR

Make	Ariel
Model	JGE/6
Throws	6
Stages	2/3
Stroke	3.5"
Rated RPM	1800 RPM
Distance Pieces	

CYLINDERS

	Model	Bore	MAWP	Class	Serial Number
Cylinder 1		8.375"	800 PSIG	RJ	C70222
Cylinder 2		8.375"	800 PSIG	RJ	C70223
Cylinder 3		8.375"	800 PSIG	RJ	C70224
Cylinder 4		5.50"	1725 PSIG	RJ	C70225

Cylinder 5		5.50"	1725 PSIG	RJ	C70226
Cylinder 6		5.50"	1725 PSIG	RJ	C70227

COOLER

Make	ACE
Model	E-138
Louvres	Auto
Fan Drive (electric/jackshaft)	

Section	CRN	Serial Number	MAWP	Temp	RT	HT
Engine Jacket						
Inter-Cooler			1292 PSIG	-20/350°F		
Inter-Cooler			1600 PSIG	-20/350°F		
After-Cooler			1600 PSIG	-20/350°F		

SCRUBBERS

	CRN	Serial Number	MAWP	Temp	RT	HT
Stage 1 Suction	T1140.213	050137-01	1315 PSIG	-20/300°F		
Stage 2 Suction	T1561.213	050137-03	1100 PSIG	-20/300°F		
Stage 3 Suction	T0576.213	050137-02	1600 PSIG	-20/300°F		

PULSATION

	Manuf.	CRN	Serial Number	MAWP	Temp	RT HT
N/A						

PSV's

	Set Pressure	Size
Stage 1 Disch.	800 PSIG	2.5" 600# x 4" 150#
Stage 2 Disch.	1600 PSIG	1.5 900# x 2.5" 300#

CONTROL VALVES

	Make	Model	Size	Trim
Auto bypass	TBC			
Dump Valve				
Recycle				

Blowdown				
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CONTROL PANEL

Make	Spartan
Model	Remvue 500
HMI / PLC	

END DEVICES

	Quantity
LEL Detection	TBC
H2S Detection	TBC
Fire Detection	TBC

SKID CONNECTIONS

Suction Inlet Flange	8" 600#
Discharge Flange	6" 900#
Flare	8" 150#
Drain	1.5 NPT

DRAIN TANK

Capacity	TBC
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SHIPPING DIMENSIONS (MAIN SKID)

Width	12' (3.66m)
Length	53' (16.16m)
Height	16' (4.88m)
Weight Estimate (dry)	120,000 lbs (54525 kg)

CERTIFICATION

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