

Enalysis Version 21.6

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ENALYSIS

by detection technologies LLC

SETUP WORKSHEET FOR RECIPROCATING COMPRESSORS

Detection Unit Number 3384Company Name CNRLLocation (Station) 16-28-20-11W4Compressor Name DENHART 16-28State or Province ALBERTAUnit Packaged for Sour Service ☐ Yes ☐ No

PROPAK
PACKAGE

RPM 1030

Q
JAMES
-388

HAS

121,630

W

ENGINE

Manufacturer

CAT

Model Description

3508 TALE

Serial Number

9TG 00331

Maximum RPM

1400

Maximum Horsepower

630

(at maximum rpm at sea level)

Other Auxiliary hp draw - hp

☒ Turbo☐ NA☐ Electric**COMPRESSOR****FRAME DATA**

Frame Manufacturer

ARIEL

Frame Model

JG 5/4

Serial Number

F18586

Number of Throws

4

Number of Stages

3

Stroke - inches

3.5

Using Internal Rod Load ☐ Yes ☐ No

Max Compression Rod Load - lbs

Maximum Tension Rod Load - lbs

Total Maximum Rod Load - lbs

Using External Rod Load ☐ Yes ☐ No

Max Compression Rod Load - lbs

Maximum Tension Rod Load - lbs

CYLINDER DATA

STAGE NUMBER	1	1	2	3		
THROW NUMBER	2	4	3	1		
Cylinder Model	RJ	RJ	RJ	RJ		
Cylinder MAWP - psig	635	635	1135	1725		
Cylinder Diameter - inches	9.750	9.750	7.375	5.125		
Serial Number	58260	58261	58262	58263		

ORIFICE DATA

If any...

Suction Orifice Diameter - inches						
Suction Pipe Internal Diameter - inches						
Location on Suction Bottle (inlet/outlet)						
Discharge Orifice Diameter - inches						
Discharge Pipe Internal Diameter - inches						
Location on Discharge Bottle (inlet/outlet)						

CLEARANCE DATA - from cylinder stamps

Minimum Head End Clearance - %	15.4	15.4	18.4	17.6		
Maximum Head End Clearance - %						
Maximum Pocket Travel - inches	3.1	3.1	N/A	N/A		
Minimum Crank End Clearance - %	16.1	16.1	19.3	19.9		

STAGE NUMBER

THROW NUMBER

VALVE DATA

Total Number of Valves

Valve Model

Valve Lift

RECIPROCATING DATA - from balance record

Connecting Rod Length - inches

Crosshead Pin Weight - lbs

Piston and Rod Weight - lbs

1/3 of Connecting Rod Weight - lbs

Crosshead Weight - lbs

Balance Weight Added - lbs

AERIAL COOLER

Manufacturer

Model Number

Driven by Engine

(Yes / No)

Serial Number

Horsepower Draw

(at maximum rpm)

STAGE NUMBER

Design Pressure MAWP - psig

Maximum Design Temperature - °F

DESIGN CONDITIONS

PSV Setting - psig

Discharge Valve Max. Temp. - °F

Discharge Piping / Bottles Max. Temp. - °F

Discharge Piping / Bottles MAWP - psig