

13K-1401A
BOGE C 20 W/ 25HP MOTOR
ELECTRIC DRIVEN, 575V
79.3 ACFM @ 125 PSIG

C-6187A
BOGE BC22 CONVERTER
79.3 ACFM @ 125 PSIG

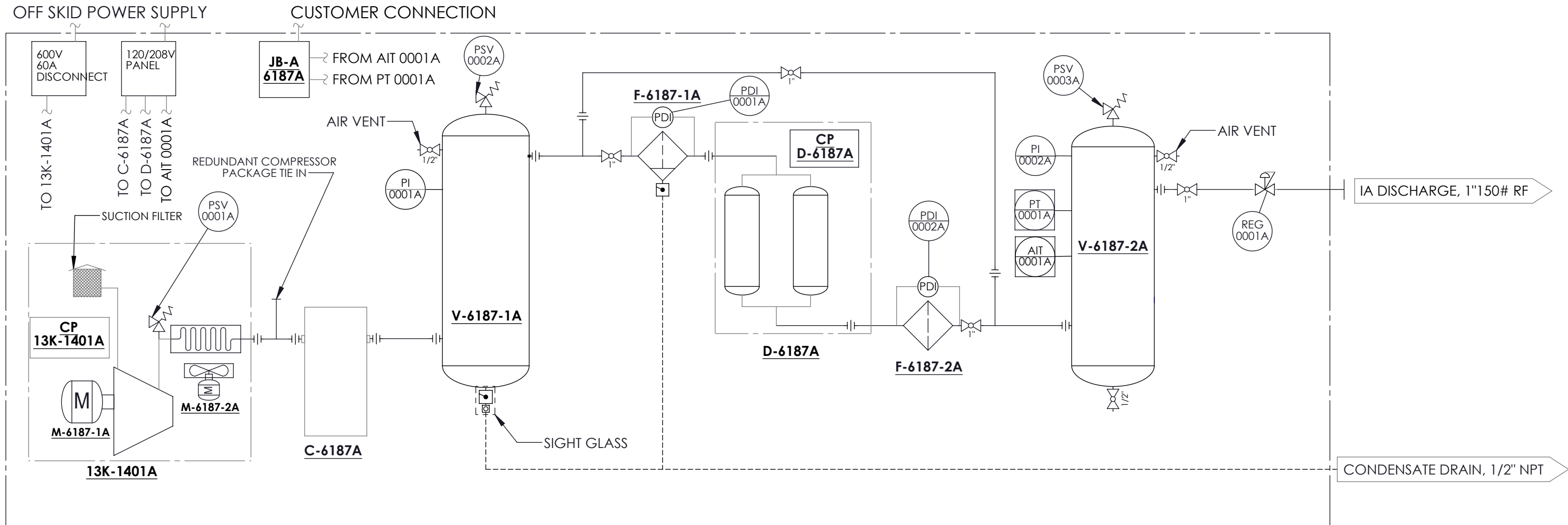
V-6187-1A
WET AIR RECIEVER
CAPACITY: 200 GAL
MAWP: 200 PSIG
INTERNALLY COATED

F-6187-1A
FILTER- VAPOR
ADSORBING
HANKISON

D-6187A
AIR DRYER-
DESSICANT
HANKISON HHE-60
60 CFM @ 150 PSI
-40 °F DEWPOINT

F-6187-2A
FILTER-
PARTICULATE
HANKISON

V-6187-2A
DRY AIR RECIEVER
CAPACITY: 500 GAL
MAWP: 200 PSIG
INTERNALLY COATED



NOTES:

1. ALL INTERCONNECTING PIPING TO BE DONE IN 1" SS PIPE OR TUBING
2. SEE VENDOR DRAWINGS FOR DETAILED SUB COMPONENT DETAILS

SUB COMPONENT	VENDOR P&ID DOC NO.	VENDOR ELECTRICAL SCHEMATIC DOC NO.
13K-1401A	F4 200.0631GB	S3691.3624
D-6187A	0059101-D1	0059101-D2

E		ADDED DEWPOINT AND PRESSURE TRANSMITTERS	10DEC2014	
D		REVISE PER CUSTOMER COMMENTS	28JULY2014	
C		REVISE PER CUSTOMER COMMENTS	12MAY2014	
B		REVISE PER CUSTOMER COMMENTS	14MAR2014	SPH
A		INITIAL RELEASE	18DEC2013	SPH
REV	DCN NO.	DESCRIPTION	DATE	APPROVED

REVISIONS



CENTRAL AIR EQUIPMENT (FAB) LTD.

1. DO NOT SCALE THIS DRAWING.
2. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. (I) ARE IN MILLIMETERS.
3. TOLERANCES UNLESS OTHERWISE NOTED:
XXX 0.001 (0.005mm)
XX 0.01 (0.01mm)
X 0.1 (0.2mm)
4. VIEWS SHOWN IN 3RD ANGLE PROJECTION.

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DRAWN	BY WV	DATE 10DEC14
CHECK	BY	DATE
APPRV	BY	DATE

DESCRIPTION
OIL FREE INSTRUMENT AIR PACKAGE
TAG NO.: 13K-1401A
CLIENT NAME: MEG ENERGY
PROJECT NAME: 1500 BPD HI-Q FIELD DEMONSTRATION PILOT
PROJECT NO.: H343937
PROJECT LOCATION: BRUDERHEIM / ALBERTA

SIZE A3	DRAWING NO. 60187-PID-A	REV E
SCALE NTS	WEIGHT	SHEET 1 OF 2

13K-1401B
BOGE C 20 W/ 25HP MOTOR
ELECTRIC DRIVEN, 575V
79.3 ACFM @ 125 PSIG

C-6187B
BOGE BC22 CONVERTER
79.3 ACFM @ 125 PSIG

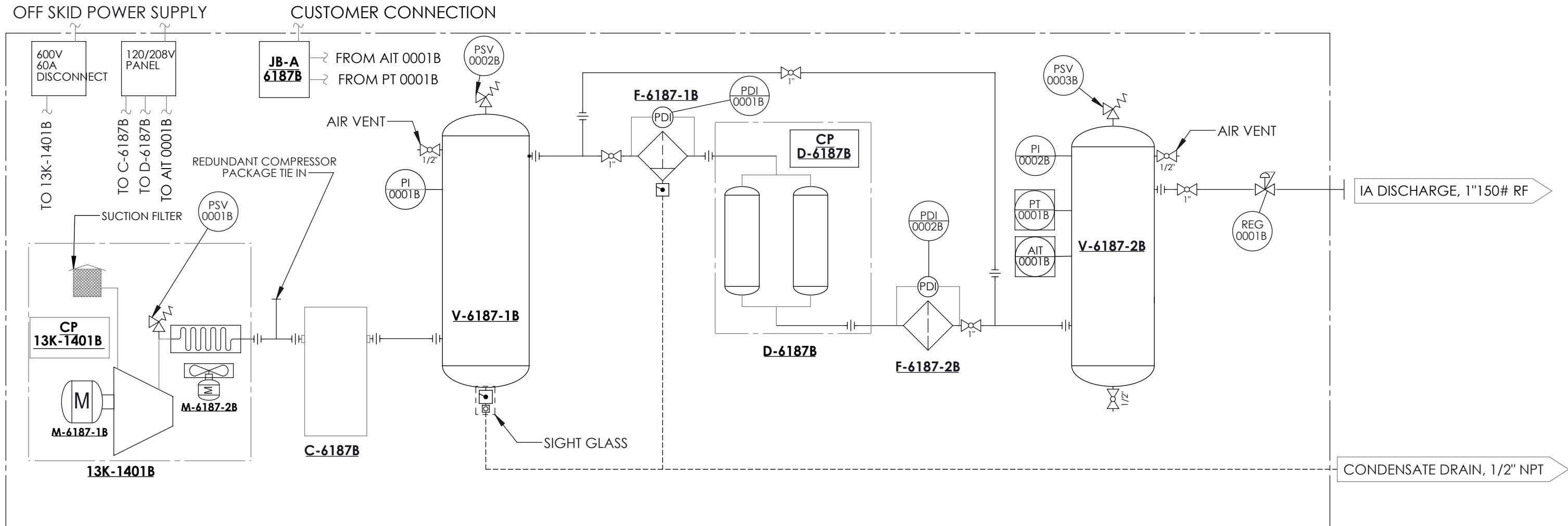
V-6187-1B
WET AIR RECIEVER
CAPACITY: 200 GAL
MAWP: 200 PSIG
INTERNALLY COATED

F-6187-1B
FILTER- VAPOR
ADSORBING
HANKISON

D-6187B
AIR DRYER-
DESSICANT
HANKISON HHE-60
60 CFM @ 150 PSI
-40 °F DEWPOINT

F-6187-2B
FILTER-
PARTICULATE
HANKISON

V-6187-2B
DRY AIR RECIEVER
CAPACITY: 500 GAL
MAWP: 200 PSIG
INTERNALLY COATED



- NOTES:
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 2. SEE VENDOR DRAWINGS FOR DETAILED SUB COMPONENT DETAILS

SUB COMPONENT	VENDOR P&ID DOC NO.	VENDOR ELECTRICAL SCHEMATIC DOC NO.
13K-1401B	F4 200.0631GB	S3691.3624
D-6187B	0059101-D1	0059101-D2

E		ADDED DEWPOINT AND PRESSURE TRANSMITTERS	10DEC2014	
D		REVISE PER CUSTOMER COMMENTS	28JULY2014	
C		REVISE PER CUSTOMER COMMENTS	12MAY2014	
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A		INITIAL RELEASE	18DEC2013	SPH
REV	DCN NO.	DESCRIPTION	DATE	APPROVED

REVISIONS



CENTRAL AIR EQUIPMENT (FAB) LTD.

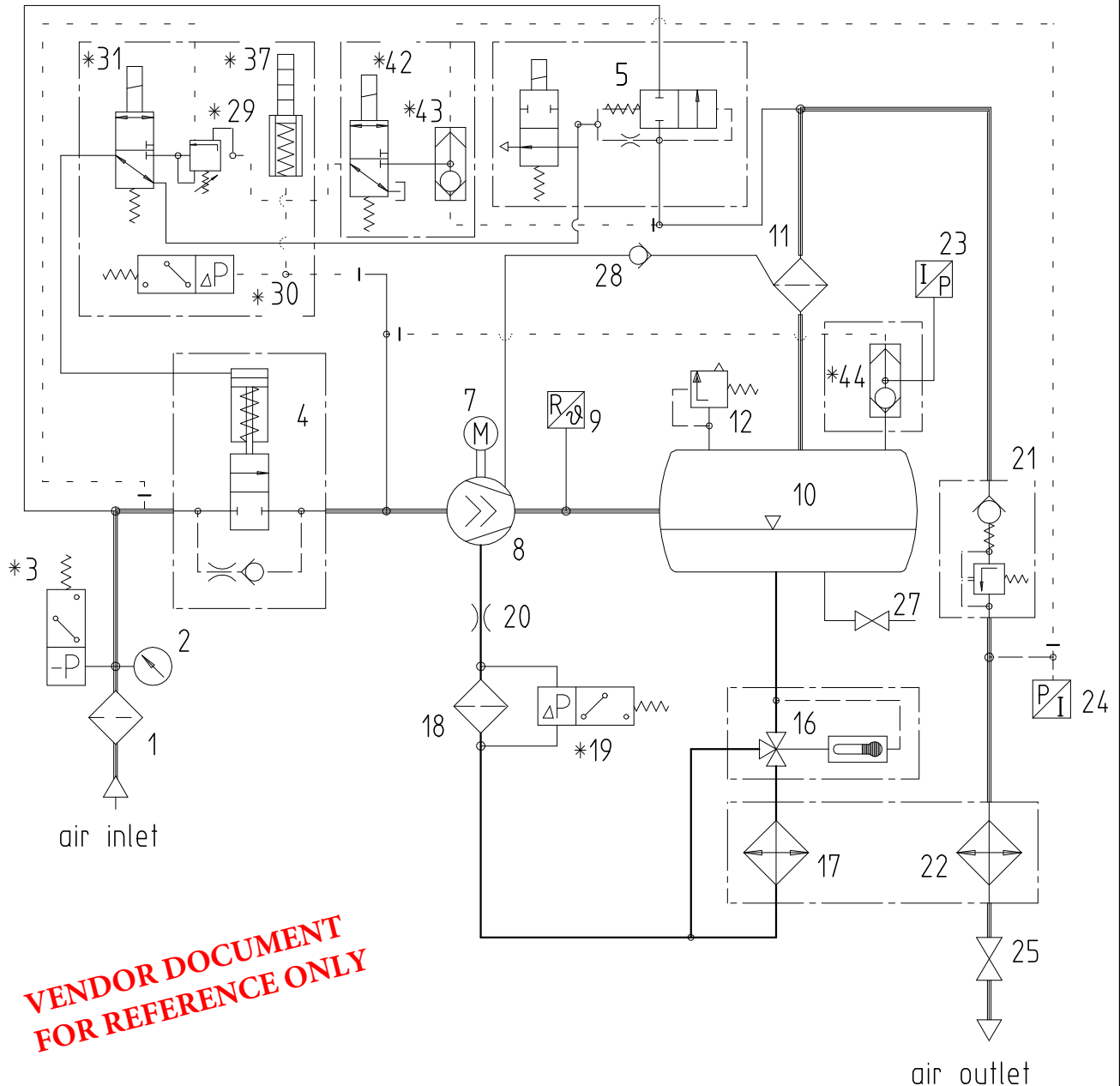
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XX 0.01 (0.01mm)
X 0.1 (0.2mm)
4. VIEWS SHOWN IN 3RD ANGLE PROJECTION.

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DRAWN	BY WV	DATE 10DEC14
CHECK	BY	DATE
APPRV	BY	DATE


DESCRIPTION
OIL FREE INSTRUMENT AIR PACKAGE
TAG NO.: 13K-1401B
CLIENT NAME: MEG ENERGY
PROJECT NAME: 1500 BPD HI-Q FIELD DEMONSTRATION PILOT
PROJECT NO.: H343937
PROJECT LOCATION: BRUDERHEIM / ALBERTA

SIZE A3	DRAWING NO. 60187-PID-B	REV E
SCALE NTS	WEIGHT	SHEET 2 OF 2



- VENDOR DOCUMENT
FOR REFERENCE ONLY**
- 1 = Suction filter
 - 2 = Service indicator (from 30 kW)
 - * 3 = Pressure switch (suction filter monitoring)
 - 4 = Suction regulator
 - 5 = Unloading valve and controlvalve
 - 7 = Driving motor
 - 8 = Air end
 - 9 = Final compression temperature indication and switch
 - 10 = Combined compressed air/oil vessel
 - 11 = Oil separator
 - 12 = Safety valve
 - 16 = Thermostatic valve
 - 17 = Oil cooler
 - 18 = Oil filter
 - * 19 = Differential pressure switch (oil filter monitoring)
 - 20 = Oil throttle
 - * = Option
 - 21 = Minimum pressure valve
 - 22 = Air cooler
 - 23 = Network pressure transmitter
 - 24 = System pressure transmitter
 - 25 = Stop cock
 - 27 = Oildrainage valve
 - 28 = Non return valve drain pipe
 - * 29 = Proportional regulator
 - * 30 = Differential pressure switch for prop. regulator
 - * 31 = Solenoid valve 3/2 ways for prop. regulator
 - * 37 = Volume flow indicator
 - * 42 = Solenoid valve 3/2 ways for suction regulator control
 - * 43 = Double non return valve
(Pos. 42+43 = Quick start valve)
 - * 44 = Double non return valve (direction of rotation and unloading monitoring)

**VENDOR DOCUMENT
FOR REFERENCE ONLY**

UNLESS OTHERWISE SPECIFIED:			NAME		DATE		UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES OR FEET. DIMENSIONS SHOWN IN PARENTHESES ARE IN METERS OR FEET.	
DIMENSIONS ARE IN: <u>R/A</u>			DWN BY	SDM	06/12/06		 HANKSON A QUALITY CONNECTION	
SURFACE FINISH: <u>R/A</u>			ENG BY	DEB	06/12/06			
TOL	MIN	INCHES	CHK BY	CRB	06/12/06			
1			APP BY	DEB	06/15/06			
3			REL BY	SDM	06/15/06			
JOK			CAT NO.					
SCALE: <u>R/A</u> <u>R/A</u> <u>R/A</u> FLOOR: DRAWING NO: <u>R/A</u>			ID NO.	98714				
			REV. D	DATE: <u>06/12/06</u> BY: <u>0059101-D1</u>		REV. D DATE: <u>06/12/06</u> BY: <u>0059101-D1</u>		