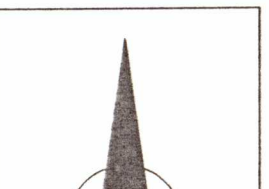
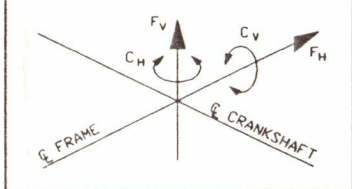


COMPRESSOR UNBALANCED FORCES @ 1200 RPM

	PRIMARY	SECONDARY
HORIZONTAL FORCE, KIPS	0.318	0.090
VERTICAL FORCE, KIPS	0.00	0.00
HORIZONTAL COUPLE, KIP-FT	8.85	0.150
VERTICAL COUPLE, KIP-FT	26.78	0.00



CUSTOMER CONNECTIONS

NO.	DESCRIPTION	SIZE
1	STAGE ONE INLET	8"-300HRF
9	FINAL DISCHARGE	3"-900HRF
16	SCRUBBER DRAIN HEADER	1-1/2" UNION
29	PSV VENT HEADER	4"-150HRF
30	FUEL GAS SUPPLY	1-1/2" UNION
32	RAW FUEL GAS SUPPLY TO OFF-SKID	2"-300HRF
34	START GAS SUPPLY	1-1/2" UNION
43	ENGINE OIL DRAIN	2" UNION
70	GLYCOL SUPPLY TO HEATERS	2"-150HRF
71	GLYCOL RETURN FROM HEATERS	2"-150HRF
91	CONTROL PANEL-SUCTION VALVE CONTROL	1/4" TUBE

OTHER CONNECTIONS

CONN.	DESCRIPTION	SIZE
A	COMPRESSOR OIL FILL	2" NPT
B	ENGINE OIL FILL	2" NPT
C	COMPRESSOR OIL TANK FILL	1" NPT
D	ENGINE OIL TANK FILL	1" NPT
G	JACKET WATER (SURGE) FILL	2"-7# PRESS. CAP
H	AUXILIARY WATER FILL	2"-7# PRESS. CAP
J	CONTROL PANEL VENT	1" STACK
K	START GAS VENT	2" STACK
N	PACKING/DISTANCE PIECE DRAIN TANK VENT	2" NPT
P	WASTE OIL TANK VENT	2" NPT
Q	GLYCOL TANK VENT	2" NPT
R	COMPRESSOR OIL TANK VENT	3/4" STACK
S	ENGINE OIL TANK VENT	3/4" STACK
U	PACKING/DISTANCE PIECE TANK PUMP OUT	2" NPT
V	WASTE OIL TANK PUMP OUT	2" NPT
W	GLYCOL TANK PUMP OUT	2" NPT

MAJOR COMPONENTS

- AA COMPRESSOR
(1) ARIEL, JGK/4
A1 (2) 14-1/8" DIA. BORE "K" CLASS CYLINDER, MAMP 635 PSIG C/W VVCP
A2 (1) 9-1/8" DIA. BORE "K" CLASS CYLINDER, MAMP 1070 PSIG C/W VVCP
A3 (1) 5-7/8" DIA. BORE "K" CLASS CYLINDER, MAMP 2050 PSIG C/W VVCP
- BB ENGINE
(1) WAUKESHA, L7042GSI
- CC COOLER
(1) AIR-X-CHANGERS, 156CH-112-26
C1 (1) JACKET WATER SECTION, MAMP 14 PSIG @ 300°F
C2 (1) AUXILIARY WATER SECTION, MAMP 14 PSIG @ 300°F
C3 (1) FIRST INTERCOOLING SECTION, MAMP 450 PSIG @ 300°F
C4 (1) SECOND INTERCOOLING SECTION, MAMP 900 PSIG @ 300°F
C5 (1) AFTERCOOLING SECTION, MAMP 1800 PSIG @ 300°F
- DD SCRUBBERS
D1 (1) 18" DIA., PECD HORIZONTAL INLET FILTER/SEPARATOR BY ETRID-EQUIP
D2 (1) 24" DIA. x 69" S/S, MAMP 655 PSIG @ 300°F, 1/16" C.A.
D3 (1) 20" DIA. x 68" S/S, MAMP 1000 PSIG @ 300°F, 1/16" C.A.
- EE BOTTLES
E1 (1) 24" DIA. x 65" S/S STG. 1 SUC. BOT., MAMP 655 PSIG @ 300°F, 1/16" C.A.
E2 (1) 20" DIA. x 65" S/S STG. 1 DIS. BOT., MAMP 500 PSIG @ 300°F, 1/16" C.A.
E3 (1) 16" DIA. x 40" S/S STG. 2 SUC. BOT., MAMP 500 PSIG @ 300°F, 1/16" C.A.
E4 (1) 14" DIA. x 56" S/S STG. 2 DIS. BOT., MAMP 1000 PSIG @ 300°F, 1/16" C.A.
E5 (1) 12-3/4" DIA. x 30" S/S STG. 3 SUC. BOT., MAMP 1000 PSIG @ 300°F, 1/16" C.A.
E6 (1) 12-3/4" DIA. x 48" S/S STG. 3 DIS. BOT., MAMP 1935 PSIG @ 350°F, 1/16" C.A.
- FF FUEL GAS FILTER
(1) ESL, STD 8-5/8" DIA., MAMP 285 PSIG @ 100°F
- GG CONTROL PANEL
(1) MICROGUARD BY SPARTAN CONTROLS

GENERAL NOTES

- THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS STAMPED "RELEASED FOR MANUFACTURE".
- DO NOT SCALE THIS DRAWING.
- ALL DIMENSIONS ARE IN MILLIMETERS.
- FOR DESIGN PARAMETERS AND PAINT SPECIFICATION REFER TO PROJECT SCOPE SUMMARY DRAWING NO. SS04067
- ALL PIPING MUST BE SELF-SUPPORTING BEYOND UNIT CONNECTIONS.
- LOCATIONS OF CUSTOMER CONNECTIONS ARE NOT GUARANTEED AS THESE DIMENSIONS MAY BE SUBJECT TO AN ACCUMULATION OF TOLERANCES ON SEVERAL COMPONENTS. MINOR CHANGES MAY ALSO BE MADE ON SCAFFOLD SERVICE PIPING IN ORDER TO FACILITATE INSTALLATION AND MAINTENANCE. ON COMPLETION A FINAL DRAWING WILL BE ISSUED WITH FIELD CONNECTIONS CORRECTED TO 5 mm.
- IT IS ESL'S RECOMMENDATION THAT ANY PRE-SPOOLING TO THIS COMPRESSOR PACKAGE CONTAIN FIELD WELDS AT ALL CUSTOMER CONNECTIONS.
- DIMENSIONS INDICATED (**) SHALL BE CONFIRMED AND CERTIFIED CORRECT (**) ON A FINAL REVISION.
- THE FOLLOWING ITEMS WILL BE SHIPPED LOOSE FOR FIELD INSTALLATION BY OTHERS: EXHAUST PIPING, MUFFLER, MUFFLER STAND, COOLER INTERCONNECTING PROCESS & SERVICE PIPING.

SHIPPING WEIGHTS	KG.	LBS.
ENGINE	9670	21300
COMPRESSOR	8437	18600
COOLER	12927	28500
VESSELS	3311	7300
SKID	35240	77704
MISC. & LIQUIDS	10038	22129
BUILDING	4717	10400
CRANE	2225	4906

TOTAL SHIPPING WT.				86565		190838	
SHIPPED LOOSE ITEMS				1362		3000	
TOTAL UNIT WEIGHT				87927		193839	
UNIT DIMENSIONS		LENGTH		WIDTH		HEIGHT	
		mm	ft./in	mm	ft./in	mm	ft./in
MAIN SKID w/ ALL EQUIP. MOUNTED		14512	47' 7-3/8"	9449	31'-0"	5973	19' 7-1/8"
SHIPPING DIMENSIONS		10863	35'-8"	7696	25'-3"	5973	19' 7-1/8"
COOLER		3416	11'-2-1/2"	8401	27'-6-3/4"	4535	14'-10"

3	AS BUILT	95-03-27	DRD	
2	ADDED CENTER LINE DIMENSIONS	95-02-28	DRD	DW
1	FOR CONSTRUCTION	94-12-02	DRD	DW
0	FOR APPROVAL	94-11-01	DRD	DW

REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY



TITLE:	GENERAL ARRANGEMENT
	ARIEL JGK/4, WAUKESHA L7042GSI, AIR-X-CHANGERS 156CH COMPRESSOR PACKAGE
FOR:	PINNACLE RESOURCES LTD.
CONSULTANT:	LSI
P.O.:	JOB No.: 94067
DATE:	DESIGN BY: DRD DATE: 94-11-01
DWG. NO.:	DWG. NO. GA94067
SCALE:	1:30
APPROV. BY:	DATE: 94-12-01
CHECKED BY:	DATE: 94-12-01
OPER. #:	10

