

BOOK 1

USER: ARAMCO SERVICES COMPANY
KHURSANIYAH, SAUDI ARABIA

PURCHASER: FLUOR ENGINEERS AND CONSTRUCTORS
HOUSTON, TEXAS

Purchase Order No. FD-U75-31-0003NA

Elliott Co. General Order No. HU75-1728

Item No. U75-K-003

Service SPHEROID GAS COMPRESSOR

THE INSTRUCTION BOOKS FOR THIS CONTRACT ARE COMPRISED OF TWO SEPARATE BOOKS,
THE CONTENTS OF EACH BOOK IS AS FOLLOWS:

Contained in Book #1 of 2

ELLIOTT COMPRESSORS

Serial No./Shop Order No. A508187 Type: 38M6-5

PHILADELPHIA GEARS

Serial No. 120907 Type: 13HSS

GENERAL ELECTRIC MOTORS

Serial No. 8405944 Type: 5K841167A15

*sent to
city Elec
3/13/88*

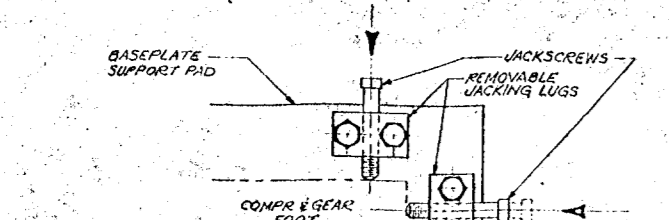
Contained in Book #2 of 2

ELLIOTT LUBRICATION AND SEALING OIL SYSTEM

Serial No./Shop Order No. A528187

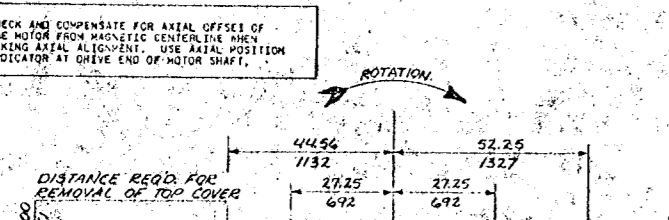
52515/6

| CHANGE DESCRIPTION | APPROVED | DATE |
|-------------------------------------|----------|------|
| REVISIONS TO DRAWING | | |
| RELOCATED LIFTING LUGS ON MOTOR END | | |
| ADDED FOLLOWING DIMS: | | |
| AB-C-1 | | |
| AB-C-2 | | |
| AB-C-3 | | |
| M-C | | |
| M-1 | | |
| M-2 | | |
| M-3 | | |
| M-4 | | |
| M-5 | | |
| M-6 | | |
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| M-99 | | |
| M-100 | | |

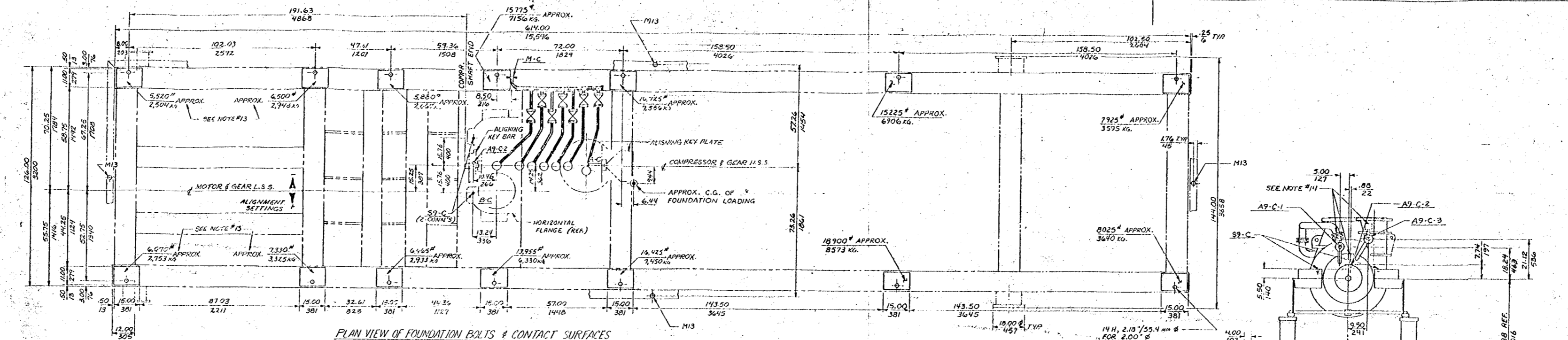


TYPICAL JACKING LUG ARRANGEMENT

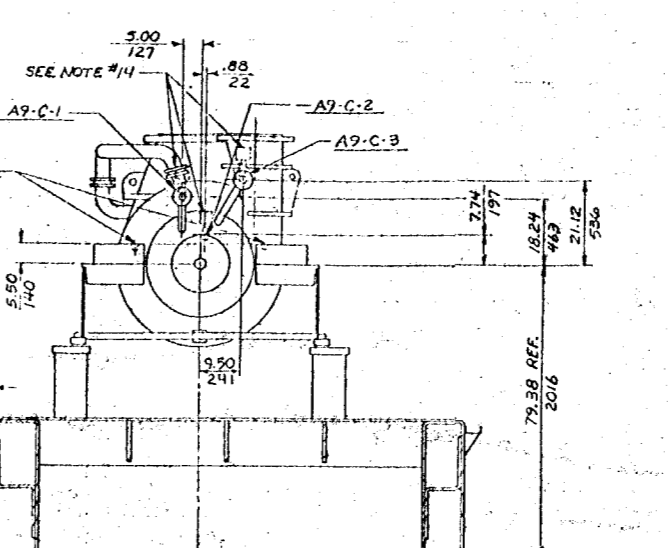
| Coupling Location | Motor to Gear | Gear to Comp. | Model |
|-------------------|---------------|----------------|-------|
| AB-C-1 | 3.75/12.94 | 3.500/83.9 MM | |
| AB-C-2 | 6.375/12.94 | 3.500/83.9 MM | |
| AB-C-3 | 5.150/14.00 | 4.000/101.6 MM | |



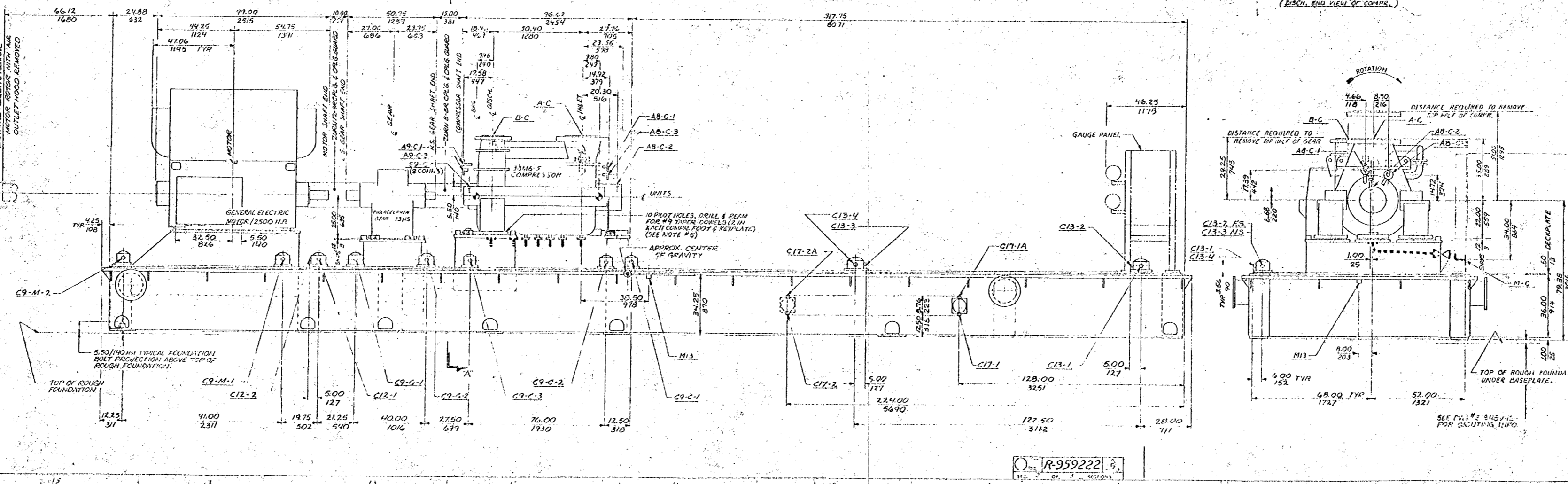
AXIAL ALIGNMENT DATA



PLAN VIEW OF FOUNDATION BOLTS & CONTACT SURFACES



SECTION A-A (BACK END VIEW OF COMPRESSOR)

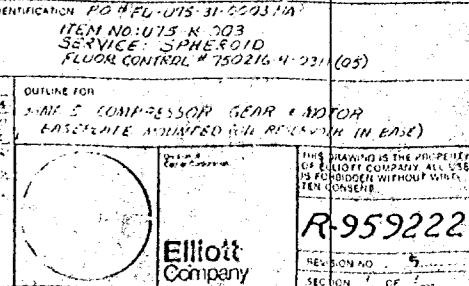


| UNIT | DESCRIPTION | NOMINAL SIZE AND WEIGHT | PURCHASER'S CONNECTIONS | REMARKS |
|--------|---|-------------------------|-------------------------|-----------------------------|
| A-C | COMPRESSOR INLET | 20" - 300# | 1/2" NPT | SEE NOTE #12 |
| AB-C-1 | COMPRESSOR AIR PURGE (INLET END) (BEARING LUBRICATION) | 1/2" - 150# | 1/2" NPT | PLUGGED |
| AB-C-2 | COMPRESSOR AIR PURGE (OUTLET END) (BEARING LUBRICATION) | 1/2" - 150# | 1/2" NPT | PLUGGED |
| A9-C-1 | COMPRESSOR AIR PURGE (DISCHARGE END) (BEARING LUBRICATION) | 1/2" - 150# | 1/2" NPT | SEE NOTE #12 |
| A9-C-2 | COMPRESSOR AIR PURGE (DISCHARGE END) (BEARING LUBRICATION) | 1/2" - 150# | 1/2" NPT | PLUGGED |
| B-C | COMPRESSOR DISCHARGE | 12" - 300# | 1/2" NPT | SEE NOTE #12 |
| AB-C-3 | COMPRESSOR AIR PURGE (INLET END) (SEAL OIL LUBRICATION) | 1/2" - 150# | 1/2" NPT | SEE NOTE #12 |
| A9-C-3 | COMPRESSOR AIR PURGE (DISCHARGE END) (SEAL OIL LUBRICATION) | 1/2" - 150# | 1/2" NPT | SEE NOTE #12 |
| C12-2 | COMPRESSOR THERMOCOUPLES | 1" CONDUIT | | SEE WIRING DIAGRAM R-959417 |
| C9-C-1 | COMPRESSOR VIBRATION DETECTORS (AXIAL) | 1" CONDUIT | | SEE WIRING DIAGRAM R-959417 |
| C9-C-2 | (RADIAL INLET) | | | |
| C9-C-3 | (RADIAL DISCH) | | | |
| M-C | COMPRESSOR CASING DRAIN | 1/2" - 300# | 1/2" NPT | SEE NOTE #12 |
| M13 | DRIP RIM DRAIN | 2" - N.P.T. | | 4 CONN'S. |
| S9-C | COMPRESSOR SHIFFER PORT | 1/2" N.P.T. | | 2 CONN'S. (PLUGGED) |
| C12-1 | GEAR THERMOCOUPLES | 1" CONDUIT | | SEE WIRING DIAGRAM R-959417 |
| C9-G-1 | VIBRATION DETECTORS (RADIAL LS) | | | |
| C9-G-2 | VIBRATION DETECTORS (RADIAL LS) | | | |
| C9-M-1 | MOTOR VIBRATION DETECTORS (RADIAL DRIVE END) | | | |
| C9-M-2 | (RADIAL DISCHARGE END) | | | |
| C13-1 | DIFFERENTIAL PRESSURE SWITCHES | | | |
| C13-2 | PRESSURE SWITCH ALARMS | | | |
| C13-3 | LIQUID LEVEL SWITCHES | | | |
| C13-4 | TEMPERATURE SWITCHES | | | |
| C13-5 | PRESSURE SWITCHES | | | |
| C13-6 | LIQUID LEVEL SWITCHES | | | |
| C17-1 | OIL RESERVOIR HEATER LEADS | 1/2" CONDUIT | | |
| C17-2 | | | | |
| C17-1A | ALTERNATE OIL RESERVOIR HEATER LEADS | 1" CONDUIT | | |
| C17-2A | | | | |

| UNIT | WEIGHT OF UNIT | WEIGHT OF MOTOR | WEIGHT OF HOUSING |
|----------------------------|----------------|-----------------|-------------------|
| 30% S COMP. | 24,000# | 1,200# | 1,200# |
| GEAR | 5,000# | 1,500# | 1,500# |
| BASEPLATE (LESS OIL) | 15,000# | 1,500# | 1,500# |
| MOTOR | 11,300# | 1,500# | 1,500# |
| OIL | 15,000# | 1,500# | 1,500# |
| TOTAL COMPT SURFACE WEIGHT | 71,000# | 7,700# | 7,700# |

| MASTER'S DIMENSIONS | SUPPLEMENTAL DIMENSIONS | OTHER DIMENSIONS FOR LOCAL VENDOR CONTACT | OTHER DIMENSIONS FOR LOCAL VENDOR CONTACT |
|---------------------|-------------------------|---|---|
| ... | ... | ... | ... |

Fig. 2-24



52516

ELLIOTT HEATING CO. R. WARD
PH 119:76

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INDUCTION MOTOR DATA SHEET

To be used with

MOTOR: ELECTRIC
AC, 3 PHASE : 60 HERTZ, SQUIRREL CAGE

| | |
|---------------------|-----------|
| Engineering Office: | Date: |
| Employ/Order No.: | Item No.: |
| | Quantity: |

MOTOR DESIGN DATA

WORKING CONDITIONS:

OUTDOORS: Dosem area with high concentrations of wind-borne dust and sand. Ambient temperature up to 60°C and material may reach 100°C when exposed to sun. Humidity up to 100%. Highly corrosive atmosphere. All painted surfaces require tropical finish. Motor will be installed without shelter.

INDOORS: Ambient temperature up to 38°C. Humidity up to 100%. Corrosive atmosphere. All painted surfaces require tropical finish.

Area classification Cl. 1, Gr. D, Div. 2.

GENERAL REVISION 3/12/76
 GENERAL REVISION 3/12/76
 GENERAL REVISION 3/12/76

| | | | | |
|--|--------------------|--------|---|-------------|
| Motor Mark Nos. | | | | |
| Motors used to drive | ETHANE COMPRESSORS | | | |
| 1. Horse Power rating | HP | 10000 | 11. Supplier to supply speed-torque and speed-current curves (YES or NO) | YES |
| 2. Voltage rating | VOLT | 13,200 | 12. Oil Pumps driven electrically | VOLT N/A |
| 3. Number of poles | | 4 | 13. Provide sight oil gage (YES or NO) | YES |
| 4. Duty continuous (CONT) or intermittent (INTER) | | CONT | 14. Thrust bearing desired. (YES or NO) | NO |
| 5. Class insulation | | F | Suitable for a thrust of | LBS |
| 6. Vertical - V; horizontal - H | | H | 15. Vendor to make provision for (PROV.) or to install (INST) vibration detector(s) | INST |
| 7. Drip Proof - DP; NEMA Weather Protected Type II - WP II; Totally Enclosed, Fan Cooled - TEFC; Totally Enclosed, not Fan cooled - TE; Explosion proof - EX (suitable for NEC Class I, Division I Group D, Hazardous areas) | | WP II | Type Seismic (SEIS) or Proximity (PROX) | PROX |
| 8. Minimum Full Load Efficiency | % | 94 | Make BEASLEY - Model 7200 | EA 4 |
| 9. Minimum Full Load Power Factor | % | 90 | 16. Main terminal box for rigid steel conduits, EA | LATER |
| 10. Direction of rotation when viewed from end opposite shaft extension. Refer Picture. CW or CCW | | CW | NPT conduit size, INCH | |
| | | | provide solderless cable LUGS, or cable TAILS if cable lugs EA/AWG | |
| | | | if tails: length from non-drive end. FT | |
| | | | 17. Vibration Detector for conduits | EA LATER |
| | | | Terminal Box NPT size | INCH |
| | | | 18. R.T.D. Terminal Box for conduits | EA LATER |
| | | | NPT size | INCH |
| | | | 19. Space Heater, for conduits | EA LATER |
| | | | Cooling Fan, Term. Box NPT size | INCH |

REVISIONS

PICTURE

Direction of view



For direction of rotation refer page 10

MANUFACTURERS DATA - TO BE COMPLETED BY VENDOR

| | | | | |
|--|-------------------------|------------------------------|-------------------------|-----------|
| Vendor | WESTINGHOUSE | | | |
| Vendor Motor type | C.S. 7/6 | Vendor Drawing No. | 133/E.50 | |
| Motor Serial Nos. | | 22. Efficiency FL. | NFL. %FL. | |
| 20. Bearing type | SLEEVE or Anti-Friction | SLEEVE | 23. Power Factor FL. | %FL. %FL. |
| Type and make | | 24. Full Load Speed | RPM 1788 | |
| 21. Bearing Lubrication: OIL or GREASE | OIL | 25. Full Load Current | AMPS 279 | |
| | | 26. Full Load Torque | FT lbs. | |
| | | 27. Minimum Starting Torque | % | |
| | | 28. Minimum Breakdown Torque | % | |
| | | 29. Rotor WR ² | LB FT ² 9670 | |
| | | 30. Space Heater | KW | |
| | | 31. Winding temp. rise | Method RTD RES | |

COMMENTS

(3) 2 WINDING RTD'S 200 OHM PER PHASE
 (4) BEARING THERMOCOUPLES - MINCO TC 356 TYPE E PER
 (5) FURNISH IN 11 MONTHS WITH PARTS PER

REVISION

| | | |
|------------------------------|----------------|------|
| Index | Drawing Number | Rev. |
| | | |
| Driven Equip. Data Sheet No. | | |

9#-A-5#

52516

WRS 2/1/77

DATA AND OPERATING LIMITS - COMPRESSOR

EQUIPMENT DATA

| | |
|---|--|
| SERVICE <u>ETHANE COMPRESSOR</u> NO. <u>3</u> | SERVICE _____ NO. _____ |
| MFR <u>ELLIOTT/JEANNETTE</u> | MFR _____ |
| TYPE <u>CENTRIFUGAL</u> MODEL <u>38M4</u> | TYPE _____ MODEL _____ |
| MFR SER NO. <u>A508130/132</u> EQUIP NO. _____ | MFR SER NO. _____ EQUIP NO. _____ |
| ORDER NO. _____ DATA SHEET NO. _____ | ORDER NO. _____ DATA SHEET NO. _____ |
| DRAWINGS _____ | DRAWINGS _____ |
| PRES SUCTION <u>21</u> psia DISCH <u>165</u> psia | PRES SUCTION _____ psia DISCH _____ psia |
| MFR MAX PRES RATING _____ psig | MFR MAX PRES RATING _____ psig |
| GPM _____ F SPEED <u>7888</u> RPM | GPM _____ F SPEED _____ RPM |
| IMP DIA INSTALL _____ MAX _____ | IMP DIA INSTALL _____ MAX _____ |
| INLET: SIZE <u>24</u> IN. RATING <u>400</u> psia BE FACING <u>UP</u> | INLET: SIZE _____ IN. RATING _____ psia BE FACING _____ |
| OUTLET: SIZE <u>12</u> IN. RATING <u>400</u> psia BE FACING <u>UP</u> | OUTLET: SIZE _____ IN. RATING _____ psia BE FACING _____ |
| MAT'L CASE <u>STEEL</u> IMP <u>STEEL</u> | MAT'L CASE _____ IMP _____ |
| _____ CYL _____ PISTON _____ | _____ CYL _____ PISTON _____ |
| LINING _____ | LINING _____ |
| TEST NEW _____ psia SHUT OFF HEAD _____ FT | TEST NEW _____ psia SHUT OFF HEAD _____ FT |
| MFR <u>WESTINGHOUSE</u> | MFR _____ |
| TYPE <u>INDUCTION MOTOR</u> | TYPE _____ |
| MFR SER NO. _____ EQUIP NO. _____ | MFR SER NO. _____ EQUIP NO. _____ |
| ORDER NO. _____ DATA SHEET NO. _____ | ORDER NO. _____ DATA SHEET NO. _____ |
| DRAWINGS _____ | DRAWINGS _____ |

REVISIONS

APPROVALS

ENG. DEPT.

OPER. DEPT.

SCALE

DATE

| | | | |
|-----------------------|-------------------------|------------------|-------------------------|
| MOTOR | TURBINE | MOTOR | TURBINE |
| SPEED <u>1788</u> RPM | OVERSPEED SET _____ RPM | SPEED _____ RPM | OVERSPEED SET _____ RPM |
| VOLTS <u>13200</u> | PRES INLET _____ psia | VOLTS _____ | PRES INLET _____ psia |
| CYCLE <u>60</u> | TEMP INLET _____ F | CYCLE _____ | TEMP INLET _____ F |
| PHASE <u>3</u> | PRES OUTLET _____ psia | PHASE _____ | PRES OUTLET _____ psia |
| +SPEED INCREASER | MAT'L CASE _____ | MAT'L CASE _____ | MAT'L ROTOR _____ |
| MAT'L ROTOR _____ | | | |

OPERATING LIMITS (CONSULT DESIGN ENGINEER BEFORE EXCEEDING THESE LIMITS)

| | |
|------------------------------------|------------------------------------|
| DESIGN PRES _____ psia | DESIGN PRES _____ psia |
| BASED ON _____ | BASED ON _____ |
| PROTECTED BY SAFETY VALVE ON _____ | PROTECTED BY SAFETY VALVE ON _____ |
| SV SET AT _____ psia | SV SET AT _____ psia |
| MAX SAFE SPEED FOR UNIT _____ | MAX SAFE SPEED FOR UNIT _____ |
| TEST PRESSURE _____ psia | TEST PRESSURE _____ psia |

SAFETY PRECAUTIONS

REFER TO GENERAL SAFETY INSTRUCTIONS AEP-4-15, SHEETS 1 TO 3 AND 13 TO 15, FOR NOTES ON EQUIPMENT FAILURE HAZARDS, WITH RECOMMENDATIONS FOR THEIR AVOIDANCE AND FOR INSPECTIONS AND TESTS. NOTE BELOW ANY SPECIAL HAZARDS, RECOMMENDATIONS, INSPECTIONS, OR TESTS THAT ARE IMPORTANT FOR THE ABOVE EQUIPMENT.

SAFETY INSTRUCTION SHEET
COMPRESSORS _____ AND DRIVERS

DWG

52516

9#-5#

DATA AND OPERATING LIMITS - PUMPS

EQUIPMENT DATA

SERVICE LUBRICAL OIL PUMPS NO. 6
FOR ETHANE COMPRESSORS
PUMP

SERVICE _____ NO. _____
PUMP

MFR ABB LERS
TYPE _____ MODEL _____
MFR SER NO. _____ EQUIP NO. SEA ABOVE
ORDER NO. _____ DATA SHEET NO. _____
DRAWINGS _____
PRES SUCTION _____ psia DISCH _____ psia
MFR MAX PRES RATING _____ psia
GPM _____ F SPEED _____ RPM
IMP DIA INSTALL _____ MAX _____
INLET: SIZE _____ IN. RATING _____ psia FACING _____
OUTLET: SIZE _____ IN. RATING _____ psia FACING _____
MATERIAL CASE _____ IMP _____
CYL _____ PISTON _____

MFR _____
TYPE _____ MODEL _____
MFR SER NO. _____ EQUIP NO. _____
ORDER NO. _____ DATA SHEET NO. _____
DRAWINGS _____
PRES SUCTION _____ psia DISCH _____ psia
MFR MAX PRES RATING _____ psia
GPM _____ F SPEED _____ RPM
IMP DIA INSTALL _____ MAX _____
INLET: SIZE _____ IN. RATING _____ psia FACING _____
OUTLET: SIZE _____ IN. RATING _____ psia FACING _____
MATERIAL CASE _____ IMP _____
CYL _____ PISTON _____

LINING _____
TEST NEW _____ psia SHUT OFF HEAD _____ FT

LINING _____
TEST NEW _____ psia SHUT OFF HEAD _____ FT

MFR AEA DRIVER
TYPE INDUCTION MOTOR
MFR SER NO. _____ EQUIP NO. _____
ORDER NO. _____ DATA SHEET NO. _____
DRAWINGS _____

MFR _____ DRIVER
TYPE _____
MFR SER NO. _____ EQUIP NO. _____
ORDER NO. _____ DATA SHEET NO. _____
DRAWINGS _____

60 MOTOR
SPEED _____ RPM OVERSPEED SET _____ RPM
VOLTS 460 PRES INLET _____ psia
CYCLE 60 TEMP INLET _____ F
PHASE 3 PRES OUTLET _____ psia
MATERIAL CASE _____
MATERIAL ROTOR _____

MOTOR
SPEED _____ RPM OVERSPEED SET _____ RPM
VOLTS _____ PRES INLET _____ psia
CYCLE _____ TEMP INLET _____ F
PHASE _____ PRES OUTLET _____ psia
MATERIAL CASE _____
MATERIAL ROTOR _____

OPERATING LIMITS
(CONSULT DESIGN ENGINEER BEFORE EXCEEDING THESE LIMITS)

DESIGN PRES _____ psia
BASED ON _____
PROTECTED BY SAFETY VALVE ON _____
SV SET AT _____ psia
MAX SAFE SPEED FOR UNIT _____
TEST PRESSURE _____ psia

DESIGN PRES _____ psia
BASED ON _____
PROTECTED BY SAFETY VALVE ON _____
SV SET AT _____ psia
MAX SAFE SPEED FOR UNIT _____
TEST PRESSURE _____ psia

SAFETY PRECAUTIONS

REFER TO GENERAL SAFETY INSTRUCTIONS APP-A-11, SHEETS 1 TO 3 AND 13 TO 15, FOR NOTES ON EQUIPMENT FAILURE HAZARDS, WITH RECOMMENDATIONS FOR THEIR AVOIDANCE, AND FOR INSPECTIONS AND TESTS. NOTE BELOW ANY SPECIAL HAZARDS, RECOMMENDATIONS, INSPECTIONS, OR TESTS THAT ARE IMPORTANT FOR THE ABOVE EQUIPMENT.

SAFETY INSTRUCTION SHEET
PUMPS AND DRIVERS

DWG NO.

52516

#5 & #6

| INDUCTION MOTOR DATA SHEET | | | | Engineering Office | Date |
|---|--|-------------------------|------|---|-------------------|
| To be used with | | | | | |
| MOTOR: ELECTRIC AC, 3 PHASE : 60 HERTZ, SQUIRREL CAGE | | | | Quantity / Order No. | Item No. Quantity |
| MOTOR DESIGN DATA | | | | | |
| WORKING CONDITIONS: <input checked="" type="checkbox"/> OUTDOORS: Desert area with high concentrations of wind-borne dust and sand. Ambient temperature up to 60°C and material may reach 100°C when exposed to sun. Humidity up to 100%. Highly corrosive atmosphere. All painted surfaces require tropical finish. Motor will be installed without shelter. <input type="checkbox"/> INDOORS: Ambient temperature up to 50°C. Humidity up to 100%. Corrosive atmosphere. All painted surfaces require tropical finish. <input type="checkbox"/> Area classification Cl. 1, Gr. D, Div. 2. | | | | | |
| Motor Mark No. | | | | | |
| Methods are to drive | | LUBE/SEAL OIL PUMPS | | 11. Supplier to supply speed-torque and speed-current curves (YES or NO) | |
| 1. Horse Power rating | | HP | 460 | 12. Oil Pumps driven electrically | |
| 2. Voltage rating | | VOLT | 460 | 13. Provide sight oil gage (YES or NO) | |
| 3. Number of poles | | | * 2 | 14. Thrust bearing desired. (YES or NO) | |
| 4. Duty continuous (CONT) or Intermittent (INTER) | | | CONT | Suitable for a thrust of | |
| 5. Class insulation | | AS PER SPEC. | | 15. Vendor to make provision for (PROV.) or to install (INST) vibration detector(s) | |
| 6. Vertical - V; horizontal - H | | | * V | Type Seismic (SEIS) or Proximity (PROX) | |
| 7. Drip Proof - DP; NEMA | | TEFC | | Motor Model EA | |
| Weather Protected Type II - WP II; Totally Enclosed, Fan Cooled - TEFC; Totally Enclosed, not Fan cooled - TE; Explosion-proof - EX (suitable for NEC Class I, Division I Group D, Hazardous areas) | | | | 18. Main terminal box for rigid steel conduits, EA | |
| 8. Minimum Full Load Efficiency | | % | * | provide solderless cable LUGS, or cable TAILS | |
| 9. Maximum Full Load Power Factor | | % | * | if cable lugs EA / AWG | |
| 10. Direction of rotation when viewed from end opposite shaft extension. Refer Picture. | | CW or CCW | | 17. Vibration Detector for conduits EA | |
| | | | | Terminal Box NPT size INCH | |
| | | | | 18. R.T.D. Terminal Box for conduits EA | |
| | | | | NPT size INCH | |
| | | | | 19. Space Heater, for conduits EA | |
| | | | | Cooling Fan, Term. Box NPT size INCH | |
| MANUFACTURERS DATA - TO BE COMPLETED BY VENDOR | | | | | |
| Vendor | | ASEA | | 22. Efficiency FL. 1/2 FL. 1/4 FL. | |
| Vendor Motor type | | Vendor Drawing No. | | 23. Power Factor FL. 1/2 FL. 1/4 FL. | |
| Motor Serial No. | | | | 24. Full Load Speed RPM | |
| | | | | 25. Full Load Current AMPS | |
| | | | | 26. Full Load Torque FT lbs. | |
| | | | | 27. Minimum Starting Torque % | |
| | | | | 28. Minimum Breakdown Torque % | |
| 20. Bearing type | | SLEEVE or Anti-Friction | | 29. Rotor WR ² LB FT ² | |
| Type and make | | A-F | | 30. Space Heater KW | |
| 21. Bearing Lubrication OIL or GREASE | | | | 31. Winding temp. rise Method RTD RES | |
| REVISIONS DEPT. | | | | | |
| 3 GENERAL REVISION 3/12 | | | | | |
| 2 GENERAL REVISION 3/12 | | | | | |
| 1 GENERAL REVISION 3/12 | | | | | |
| PICTURE | | | | | |
| Direction of view | | | | | |
| | | | | | |
| For direction of rotation refer pag. 10 | | | | | |
| REMARKS * SUPPLIER TO COMPLETE | | | | | |
| TITLE | | | | Drawing Number | |
| Driven Equip. LUBE/SEAL OIL PUMPS | | | | Rev. 3 | |
| Data Sheet No. | | | | | |

52516

9#-5#

INDUCTION MOTOR DATA SHEET

Engineering Office

Date

To be used with

MOTOR: ELECTRIC
AC; 3PHASE : 60HERTZ, SQUIRREL CAGE

Warranty/Order No.

Item No.

Quantity

MOTOR DESIGN DATA

WORKING CONDITIONS:

OUTDOORS: Desert area with high concentrations of wind-borne dust and sand. Ambient temperature up to 60°C and material may reach 100°C when exposed to sun. Humidity up to 100%. Highly corrosive atmosphere. All painted surfaces require tropical finish. Motor will be installed without shelter.

INDOORS: Ambient temperature up to 50°C. Humidity up to 100%. Corrosive atmosphere. All painted surfaces require tropical finish.

Area classification Cl. 1, Gr. D, Div. 2.

Motor Mark Nos.

Motors are to drive

OIL RESERVOIR BLOWER

11. Supplier to supply speed-torque and speed-current curves (YES or NO)

NO

12. Oil Pumps driven electrically VOLT

NA

13. Provide sight oil gauge (YES or NO)

*

14. Thrust bearing desired (YES or NO) Suitable for a thrust of LBS

15. Vendor to make provision for (PROV.) or to install (INST) vibration detector(s) Type Seismic (SEIS) or Proximity (PROX)

NO

1. Horse Power rating HP

1/3

2. Voltage rating VOLT

230/460

3. Number of poles

*

4. Duty continuous (CONT) or intermittent (INTER)

CONT

5. Class insulation AS PER SPEC

*

6. Vertical - V; horizontal - H

2 H

7. Drip Proof - DP; NEMA

Weather Protected Type II - WP II; Totally Enclosed, Fan Cooled - TEFC; Totally Enclosed, not Fan cooled - TE; Explosion-Proof - EX (suitable for NEC Class I, Division 1 Group D, Hazardous areas)

TEFC

16. Main terminal box for rigid steel conduits, EA

NPT conduit size, INCH

provide solderless cable LUGS; or cable TAILS

if cable lugs EA/AWG

if tail length from non-drive end. FT

LUGS

3

17. Vibration Detector for conduits EA

Terminal Box NPT size INCH

NO

18. R.T.D. Terminal for conduits EA

Box NPT size INCH

NO

19. Space Heater for conduits EA

Cooling Fan, Term. Box NPT size INCH

NO

10. Direction of rotation when viewed from end opposite shaft extension. Refer Picture.

CW or CCW

PICTURE

Direction of view



For direction of rotation refer

MANUFACTURERS DATA - TO BE COMPLETED BY VENDOR

Vendor GENERAL ELECTRIC

Vendor Motor type

Vendor Drawing No.

Motor Serial Nos.

22. Efficiency FL. %FL. %FL.

23. Power Factor FL. %FL. %FL.

24. Full Load Speed RPM

25. Full Load Current AMPS

26. Full Load Torque FT lbs.

27. Minimum Starting Torque %

28. Minimum Breakdown Torque %

29. Rotor WR² LB FT²

30. Space Heater KW

31. Winding temp. rise Method RTD RES

20. Bearing type SLEEVE or Anti-Friction A-F

Type and make

21. Bearing Lubrication OIL or GREASE GREASE

COMMENTS * SUPPLIER TO COMPLETE

Drawing Number

Rev.

Driven Equip. OIL RESERVOIR BLOWER

Draw Sheet No.