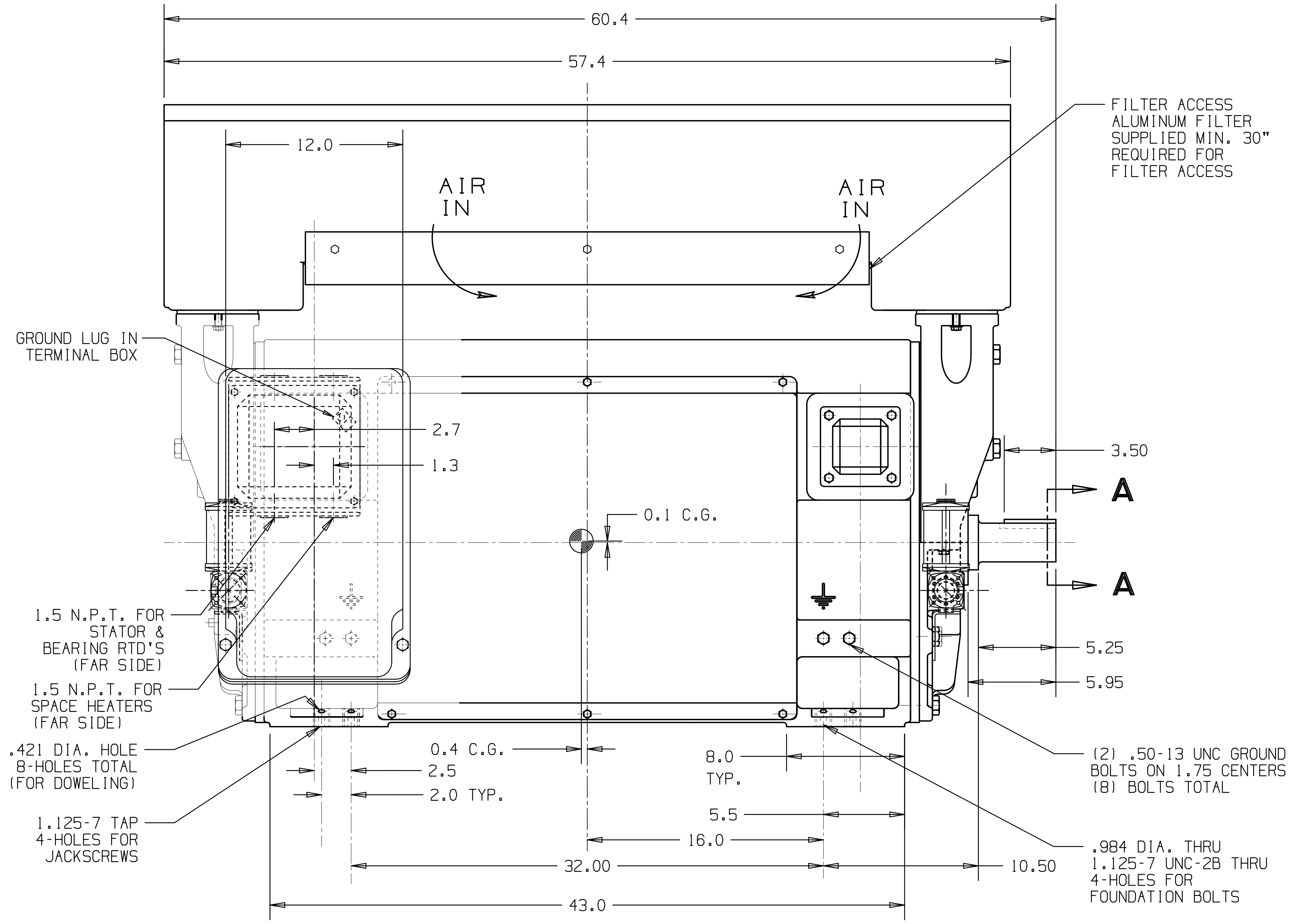
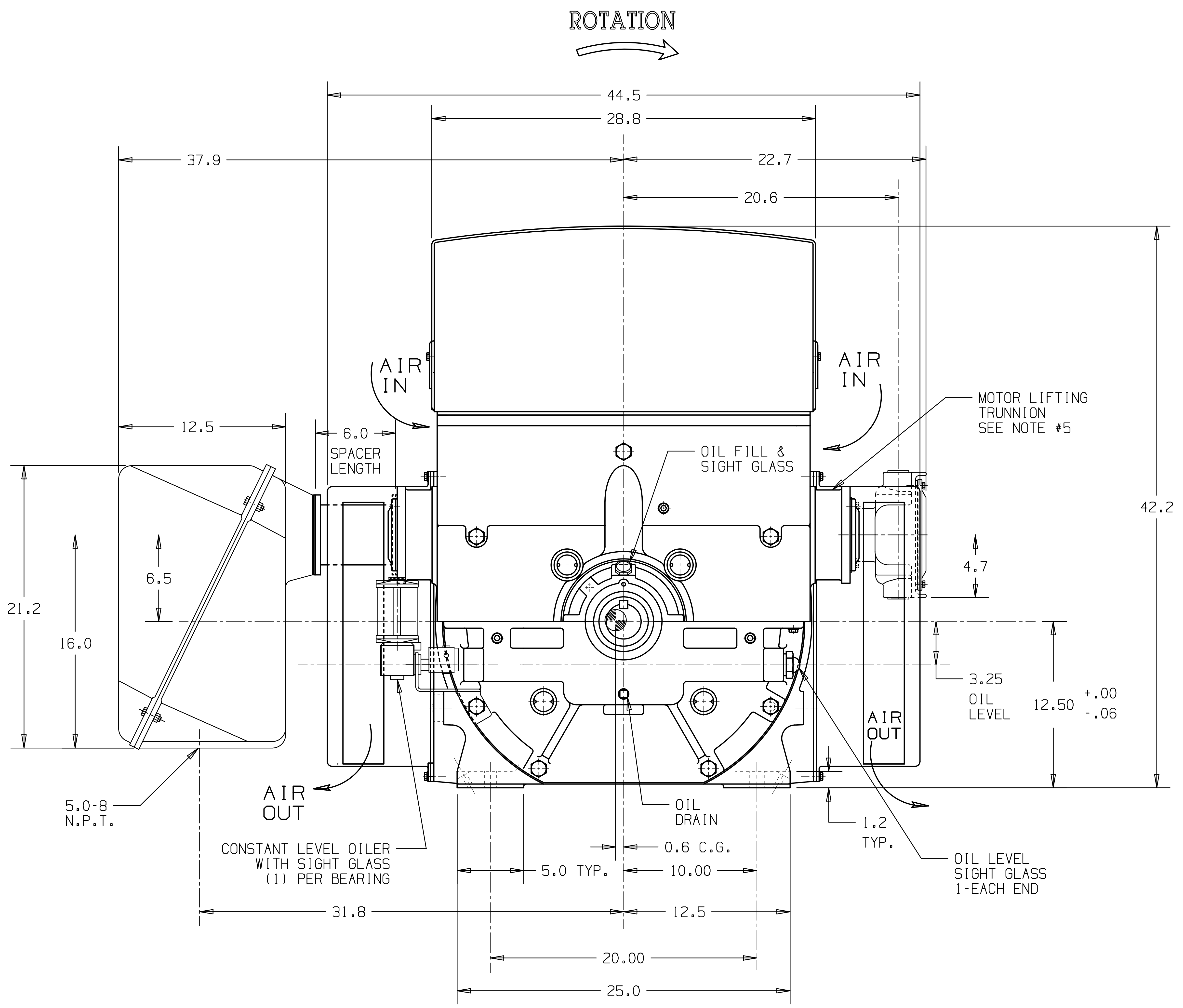
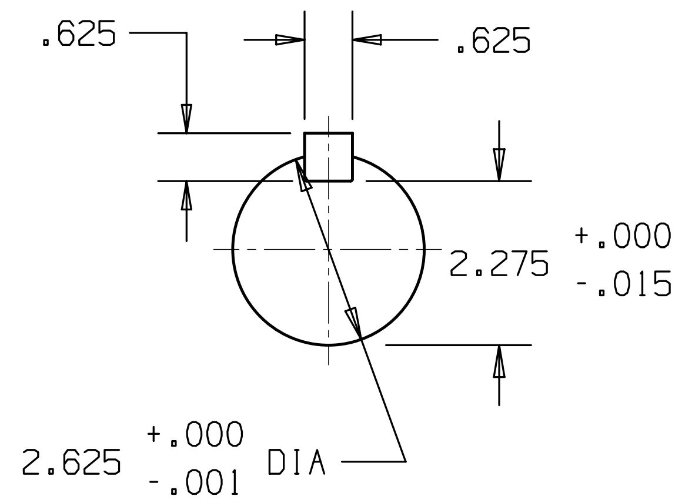
NOTES:
1. MAIN CONDUIT BOX MAY BE ROTATED IN STEPS OF 90°.
2. APPROXIMATE WEIGHT OF MOTOR: 5,150#.
   APPROXIMATE WEIGHT OF ROTOR: 614#.
3. THIS MOTOR IS SUITABLE FOR DIRECT CONNECTION ONLY.
4. THIS MOTOR IS SUITABLE FOR ROTATION IN ONE DIRECTION ONLY.
   SEE ROTATION ARROW ON THIS DRAWING AND ON MACHINE.
   OPERATION IN THE WRONG DIRECTION MAY CAUSE MACHINE OVERHEATING.
5. WHEN LIFTING MOTOR, LIFT BY TWO DIAGONALLY OPPOSITE TRUNNIONS AT THE SAME TIME. ALWAYS USE A SPREADER TO MAKE A VERTICAL LIFT AT THE TRUNNIONS AND PROTECT THE ENCLOSURE.
6. SHIMS MAY BE NECESSARY UNDER MOTOR FEET FOR DIRECT CONNECTION.
7. NON-DRIVE END BEARING IS INSULATED, INSULATE ANY CONNECTIONS TO THIS BEARING.

MOTOR DATA:
ROTOR END FLOAT = .50"
END FLOAT OF LTD END FLOAT CPLG = .19"
OIL CAPACITY PER BEARING = 1.4 QT.
USE A HIGH QUALITY TURBINE OIL HAVING A VISCOSITY
OF 140 TO 160 SUS @ 100°F (ISO VG 32)
FOR SAFETY PROCEDURES AND ALIGNMENT REQUIREMENTS SEE THE INSTRUCTION MANUAL.







## SECTION A-A

SIEMENS
CERTIFIED PRINT
CUSTOMER INITIATED CHANGES MAY AFFECT PRICE AND DELIVERY
PRODUCTION WILL PROCEED ON THE BASIS OF THIS DRAWING

CUSTOMER
EAST COAST ELECTRICAL
P.O.#
16038
S.O.#
3006187718-40

| HP | RPM | FRAME | TYPE | VOLTS | PH | Hz |
|---|---|---|---|---|---|---|
| 900 | 3600 | 5010S | CGII | 2300/4000 | 3 | 60 |

TRI-RATED MOTOR:
800HP @ 1.15 SF
900HP @ 1.15 SF
1000HP @ 1.15 SF

CAD FORMAT REQUESTED: DWG ☒ DXF ☐ KAH

Tolerance
Surface
Material
Weight 0
Scale inch
SIMILIAR TO: A5E36590292A
Author Emery
Creator 2016-12-19 Emery
Approval see PDM see PDM
Department NAM RC-US I DT LD APP OPS ENG
Change Order P5A00186726
Doc State see PDM
Revision 001 Index RS AA
Project No
OUTLINE_1RP2_H_5010_2_SB_F1_CW_CI2
MLFB
Item No
Doc No A5E40512256A
Ref No
Doc Type TB / MB
Paper Size D
1st Language en
2nd Language de
Sheet 1 of 2

SIEMENS

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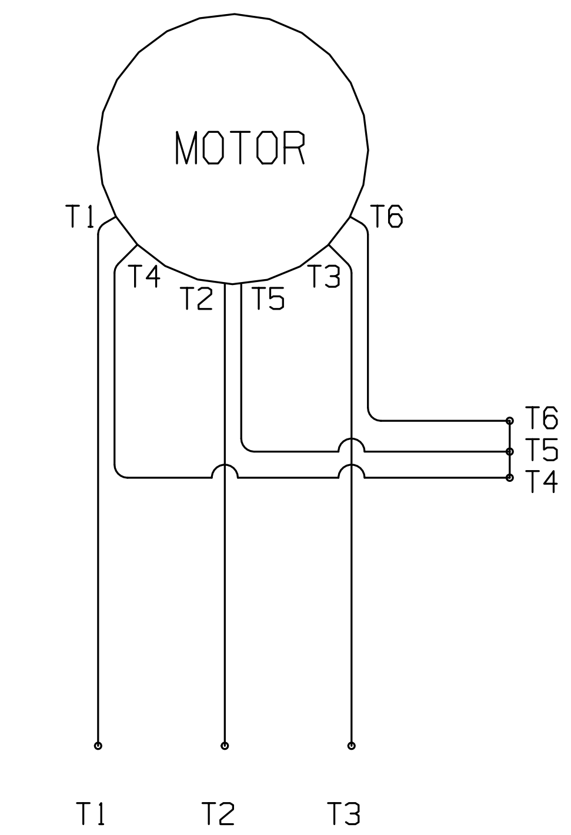
| FOUNDATION LOADING | |
|---|---|
| *LOADING CONDITIONS* | *LOADING PER SIDE* |
| STATIC: | 2575 lbs |
| RATED TORQUE: | 2575 ± 795 lbs |
| LOCKED ROTOR TORQUE: | 2575 ± 772 lbs |
| BREAK DOWN TORQUE: | 2575 ± 1957 lbs |
| SHORT CIRCUIT TORQUE: | 2575 ± 5015 lbs |

| RTD ALARM/SHUTDOWN DATA | | |
|---|---|---|
| | ALARM | SHUTDOWN |
| STATOR | 155°C | 170°C |
| BEARING | 100°C | 105°C |

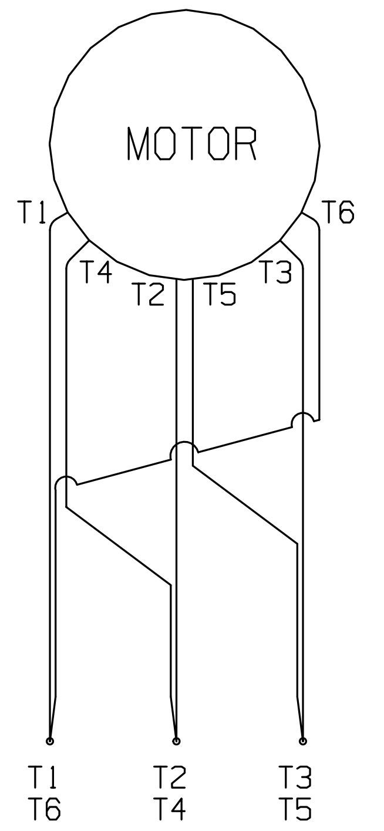
STATOR RTD
SLOT AND PHASE LOCATION

| | SLOT | PHASE |
|---|---|---|
| PR1 | 1 | A |
| PR2 | 9 | B |
| PR3 | 17 | C |
| PR4 | 25 | A |
| PR5 | 33 | B |
| PR6 | 41 | C |

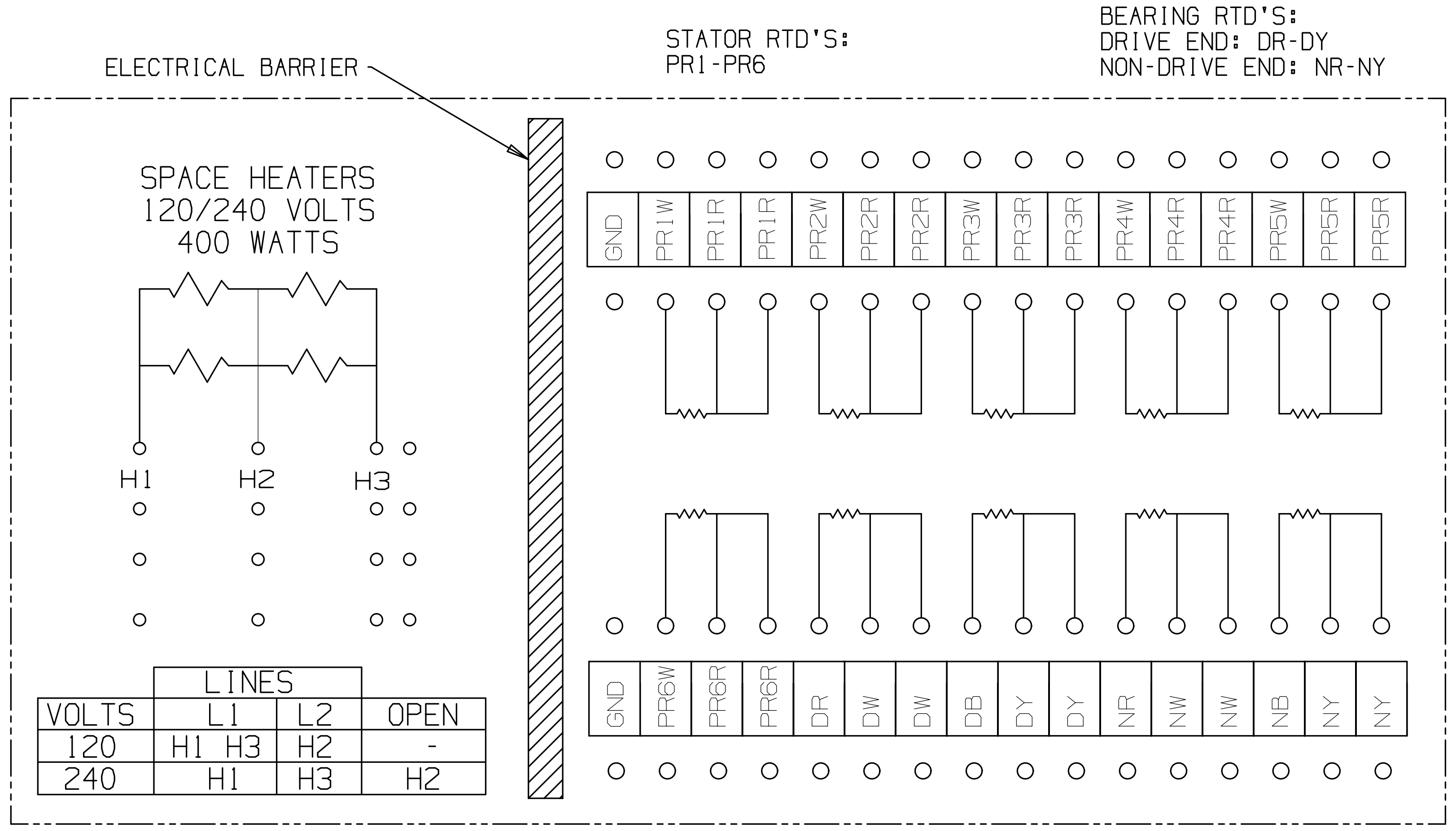
SLOT #1 IS IN 12 O'CLOCK POSITION. SLOTS COUNTED CLOCKWISE FACING CONN. END



MOTOR CONNECTION
DIAGRAM
HIGH VOLTAGE



MOTOR CONNECTION
DIAGRAM
LOW VOLTAGE



| | LINES | | |
|---|---|---|---|
| VOLTS | L1 | L2 | OPEN |
| 120 | H1 H3 | H2 | - |
| 240 | H1 | H3 | H2 |

TERMINAL BOARD ARRANGEMENT IN AUXILIARY BOX
FOR SPACE HEATERS, 100-OHM STATOR & BEARING RTD'S

SIEMENS
CERTIFIED PRINT
CUSTOMER INITIATED CHANGES MAY AFFECT PRICE AND DELIVERY
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CUSTOMER
EAST COAST ELECTRICAL

P.O.#
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3006187718-40

| HP | RPM | FRAME | TYPE | VOLTS | PH | Hz |
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TRI-RATED MOTOR:
800HP @ 1.15 SF
900HP @ 1.15 SF
1000HP @ 1.15 SF

CAD FORMAT REQUESTED:DWG ☒ DXF ☐ KAH

| | | | | |
|---|---|---|---|---|
| Tolerance | Surface | Material | Weight 0 | Scale inch |
| SIMILIAR TO: A5E36590292A | Author Emery | OUTLINE_1RP2_H_5010_2_SB_F1_CW_CI2 | | |
| | Creator 2016-12-19 Emery | | | |
| | Approval see PDM see PDM | | | |
| | Department NAM RC-US I DT LD APP OPS ENG | | | |
| | Change Order P5A00186726 | MLFB | Doc Type TB / MB | |
| SIEMENS | Doc State see PDM | Item No | Paper Size D | |
| | Revision 001 Index RS AA | Doc No A5E40512256A | 1st Language en<br>2nd Language de | |
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