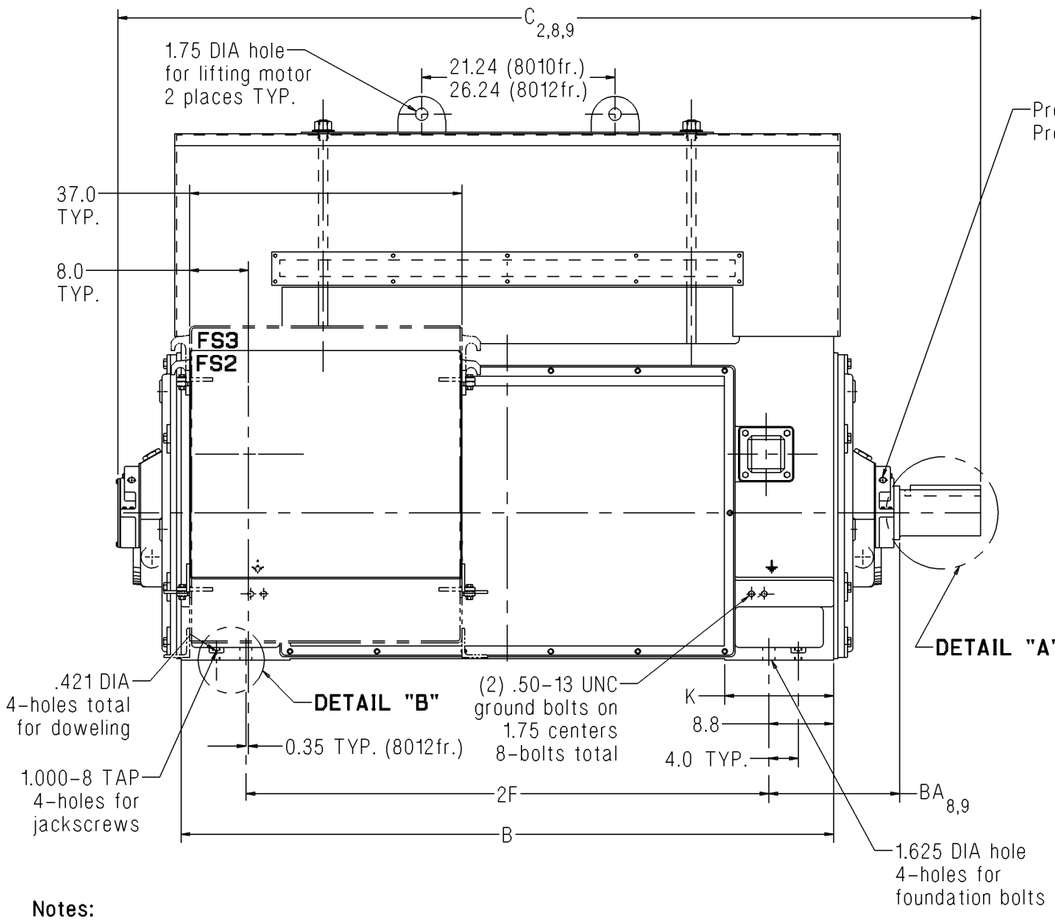
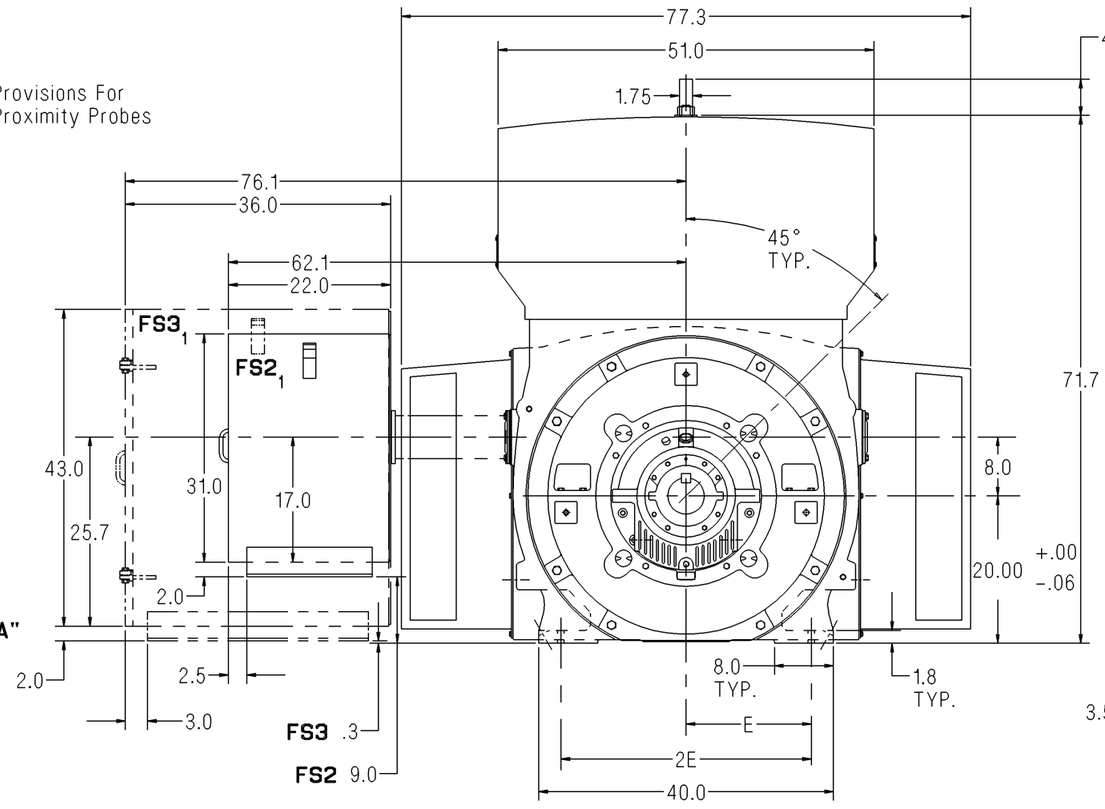
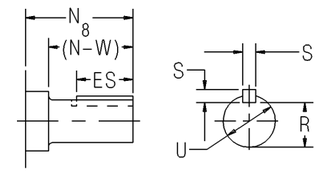
**SIEMENS**

*Dimension Prints for Above NEMA Motors*

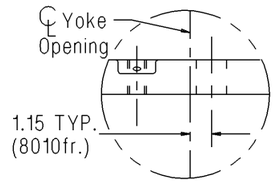
# Type CG – Horizontal – Open Drip Proof / Weather Protected Type I
## Sleeve Bearing With Provisions For External Proximity Probes – Direct Connected
## Frames 8010 / 8012 – 2, 4, & 6 Pole – Free Standing Main Conduit Box



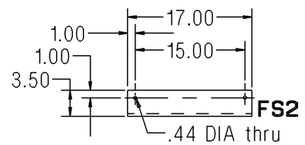



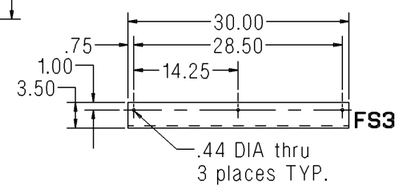




**DETAIL "A"**




**DETAIL "B"**




**BOX FEET DIMENSIONS**

**Notes:**

1. Main conduit box is free standing and must be supported from below by customer.
   Main conduit box is not level with motor feet.
   A removable bottom plate is supplied on the FS2 and FS3 conduit boxes.
   A 16.0" spacer is supplied on both frames for the FS2 and FS3 conduit boxes.
2. C = Length of motor from drive end of shaft to end of non-drive end of motor.
3. V = (N-W)-0.25" = length of shaft available for coupling.
4. 2 Pole machines may rotate in one direction only.
5. Shims may be necessary under motor feet for direct connection.
6. Rotor end float = 0.5"
7. End float of LEF coupling = 0.19"
8. Adding a rotating labyrinth seal to the drive end increases BA and C by: 2 Pole: 0.35" 4 & 6 Pole: 0.35" and decreases N by: 2 Pole: 0.20" 4 & 6 Pole: 0.20"
9. When adding a ground brush consult the factory. (BA and C will increase.)
10. For motors equipped without provisions for proximity probes use print CG_800_2-4-6PL_SLV_FS.

| Lubrication Per Bearing | |
|---|---|
| 2 Pole | 4 & 6 Pole |
| 140-160 SUS @ 100°F | 290-350 SUS @ 100°F |
| 6.0 qt. capacity | 6.0 qt. capacity |

Standard Dimensions in Inches

| Shaft | Frame | Speed | B | $BA_{8,9}$ | $C_{2,8,9}$ | E | 2F | K | $N_8$ | (N-W) | R | S | U | $V_3$ | ES | Approx. Ship Wt. (Lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Short | 8010 | 2 Pole | 73.6 | 17.75 | 99.9 | 17.0 | 56.0 | 13.3 | 9.50 | 8.75 | 4.296 | 1.25 | 5.000 | 8.50 | 7.0 | 18700 |
| Short | 8010 | 4 & 6 Pole | 73.6 | 17.75 | 102.1 | 17.0 | 56.0 | 13.3 | 11.75 | 11.00 | 5.408 | 1.50 | 6.250 | 10.75 | 9.5 | 19600 |
| Short | 8012 | 2 Pole | 88.6 | 17.75 | 114.9 | 17.0 | 71.0 | 14.8 | 9.50 | 8.75 | 4.296 | 1.25 | 5.000 | 8.50 | 7.0 | 23000 |
| Short | 8012 | 4 & 6 Pole | 88.6 | 17.75 | 117.1 | 17.0 | 71.0 | 14.8 | 11.75 | 11.00 | 5.408 | 1.50 | 6.250 | 10.75 | 9.5 | 24400 |

**Certification:** Customer _____ P.O. _____ S.O. _____ Item _____

HP _____ RPM _____ Frame _____ PH/HZ/Volts 3/_____/_____ Terminal Box Size FS2☐ FS3☐

By _____ Date _____

Comments _____

Not for construction, installation or application purposes unless certified.

CG_800_2-4-6PL_SLVPRB_FS
Revision 00
11/01/07