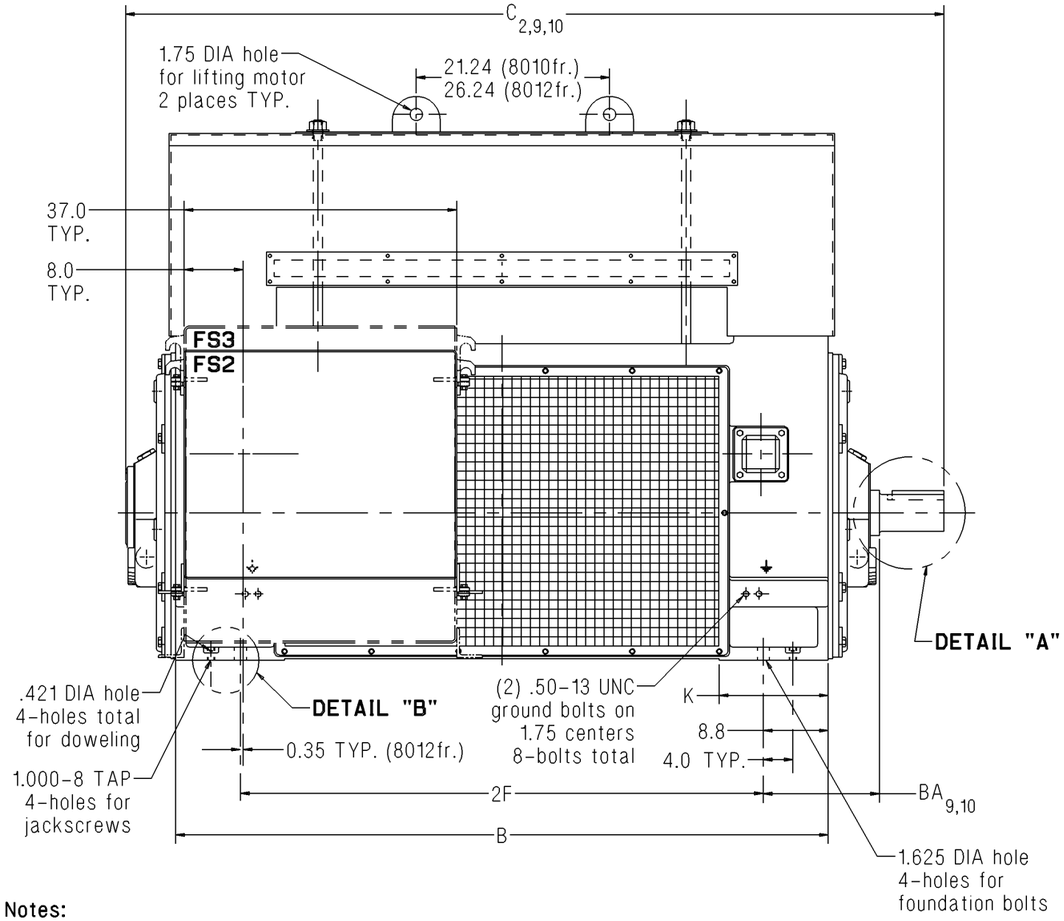
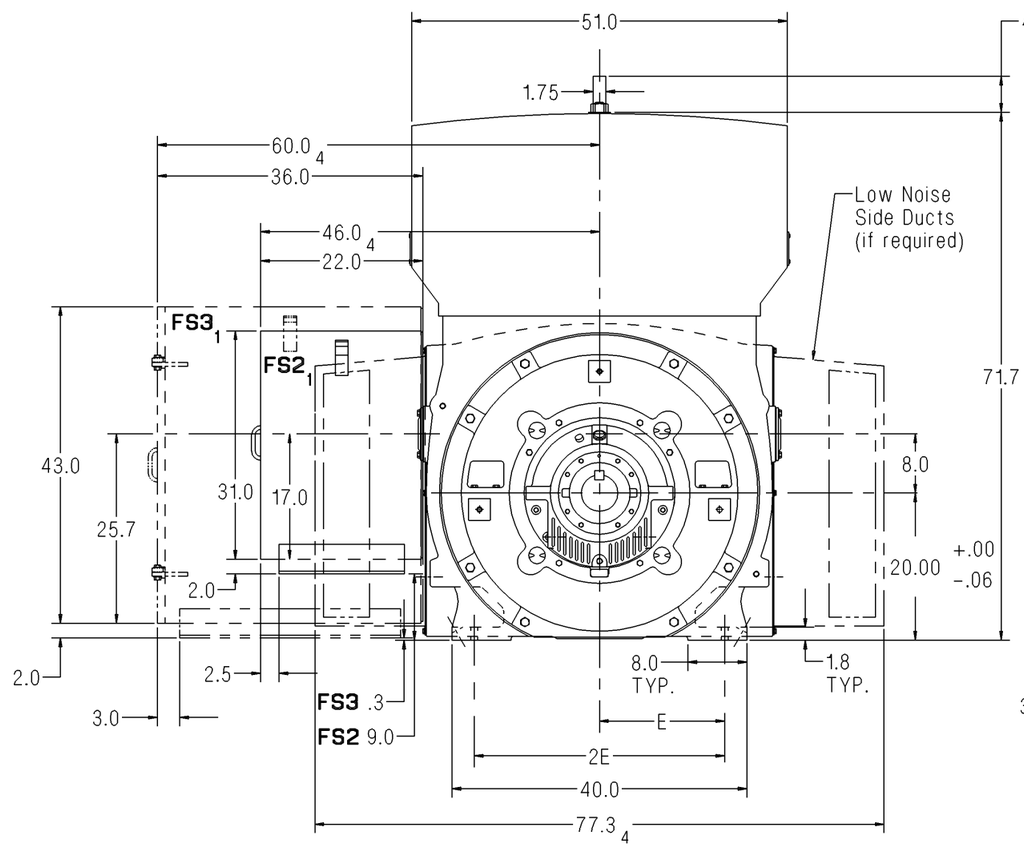
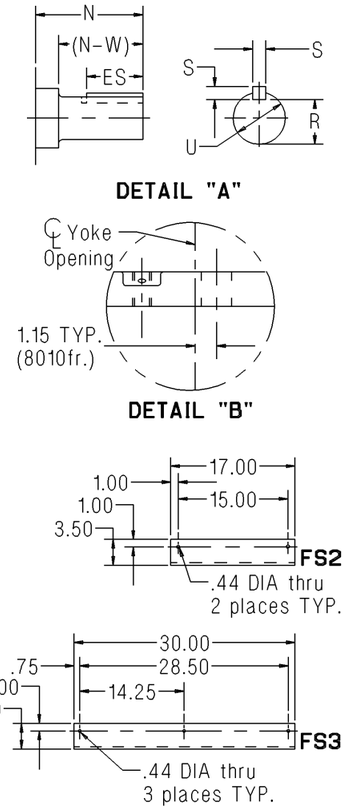
# SIEMENS

*Dimension Prints for Above NEMA Motors*

Type CG – Horizontal – Open Drip Proof / Weather Protected Type I
Sleeve Bearing – Direct Connected
Frames 8010 / 8012 – 8 Pole & Slower – Free Standing Main Conduit Box




**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.
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. Adding the low noise side ducts requires a 16.0" spacer for the FS2 and FS3 conduit boxes.
   All associated free standing conduit box dimensions will change accordingly.
5. Machines may rotate in either direction.
6. Shims may be necessary under motor feet for direct connection.
7. Rotor end float = 0.5"
8. End float of LEF coupling = 0.19"
9. Adding a rotating labyrinth seal to the drive end increases BA and C by:
   8 Pole & Slower: 1.00"
10. When adding a ground brush consult the factory. (BA and C will increase.)
11. For motors equipped with proximity probes use print CG_800_8plusPL_SLVPRB_FS.

| Lubrication Per Bearing |
|---|
| 8 Pole & Slower |
| 290-350 SUS @ 100°F |
| 6.0 qt. capacity |

Standard Dimensions in Inches

| Shaft | Frame | Speed | B | $BA_{9,10}$ | $C_{2,9,10}$ | E | 2F | K | N | (N-W) | R | S | U | $V_3$ | ES | Approx. Ship Wt. (Lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Short | 8010 | 8 Pole & Slower | 73.6 | 15.75 | 98.0 | 17.0 | 56.0 | 13.3 | 11.75 | 11.00 | 5.408 | 1.50 | 6.250 | 10.75 | 9.5 | 18000 |
| Short | 8012 | 8 Pole & Slower | 88.6 | 15.75 | 113.0 | 17.0 | 71.0 | 14.8 | 11.75 | 11.00 | 5.408 | 1.50 | 6.250 | 10.75 | 9.5 | 22800 |

**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.