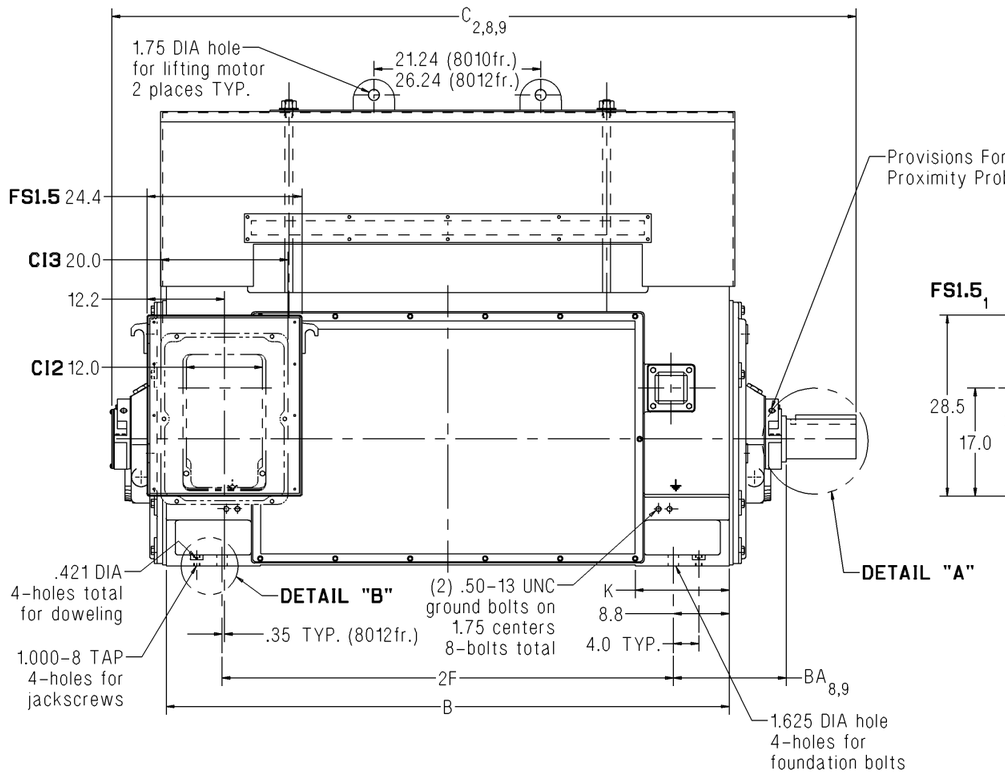
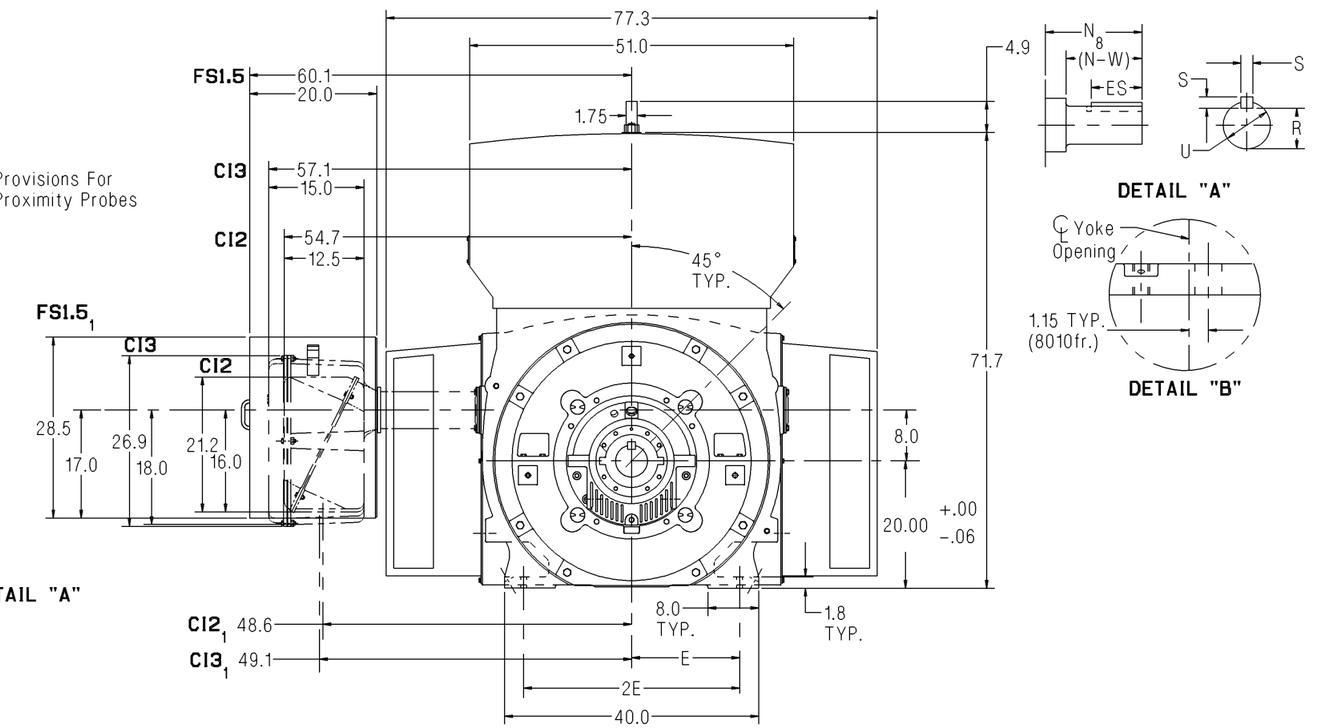
SIEMENS

Dimension Prints for Above NEMA Motors

Type CGII – Horizontal – Weather Protected Type II
Sleeve Bearing With Provisions For External Proximity Probes – Direct Connected
Frames 8010 / 8012 – Rotatable Main Conduit Box





Notes:

1. Main conduit box may be rotated in steps of 90°.
   A removable bottom plate is supplied on the FS1.5 conduit box.
   A 5.0 N.P.T. is supplied on the CI2 and CI3 conduit boxes.
   A 16.0" spacer is supplied on both frames for all rotatable 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 & C by: 2 Pole: 0.35" 4 Pole & Slower: 0.35"
   and decreases N by: 2 Pole: 0.20" 4 Pole & Slower: 0.20"
9. When adding a ground brush consult the factory. (BA and C will increase.)
10. For motors equipped without proximity probes use print CGII_800_2plusPL_SLV_ROT.

Lubrication Per Bearing	
2 Pole	4 Pole & Slower
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	99.7	17.0	56.0	13.3	9.50	8.75	4.296	1.25	5.00	8.50	7.0	18700
Short	8010	4 Pole & Slower	73.6	17.75	102.1	17.0	56.0	13.3	11.75	11.00	5.408	1.50	6.25	10.75	9.5	19600
Short	8012	2 Pole	88.6	17.75	114.7	17.0	71.0	14.8	9.50	8.75	4.296	1.25	5.00	8.50	7.0	23000
Short	8012	4 Pole & Slower	88.6	17.75	117.1	17.0	71.0	14.8	11.75	11.00	5.408	1.50	6.25	10.75	9.5	24400

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

HP _____ RPM _____ Frame _____ PH/HZ/Volts 3/_____/_____ Terminal Box Size CI2☐ CI3☐ FS1.5☐

By _____ Date _____

Comments _____

Not for construction, installation or application purposes unless certified.

CGII_800_2plusPL_SLVPRB_ROT
Revision 01
01/26/09