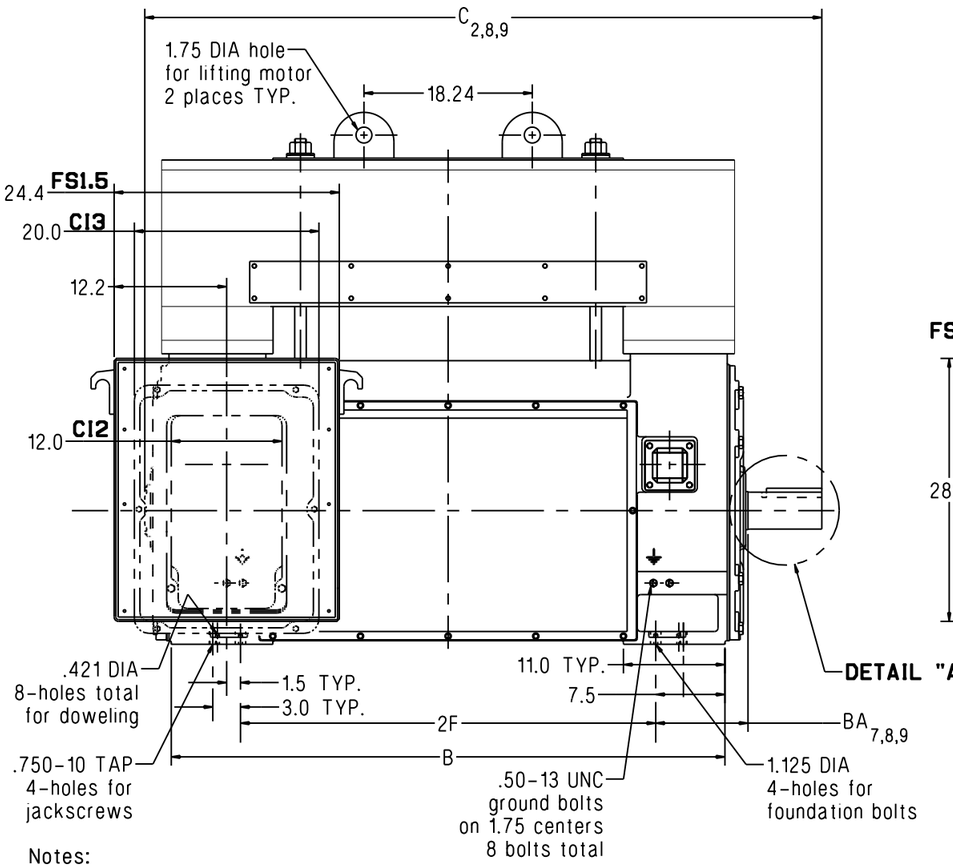
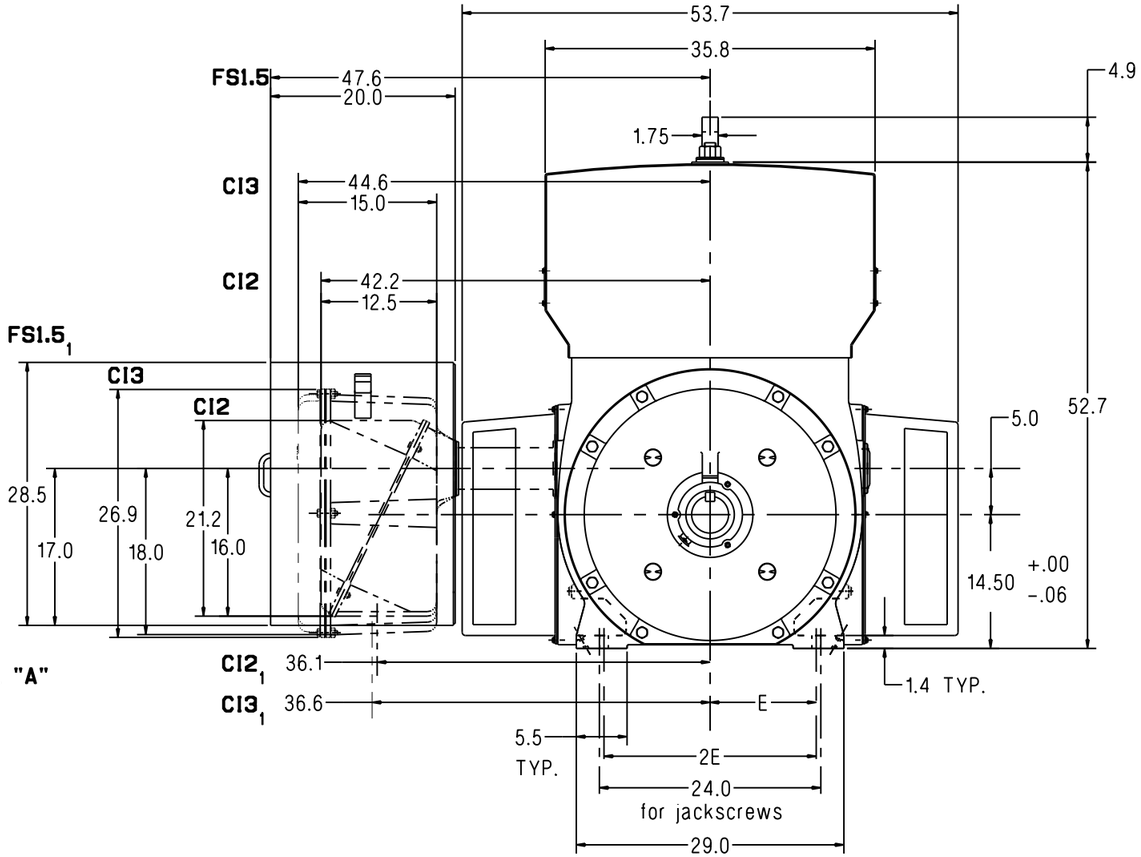
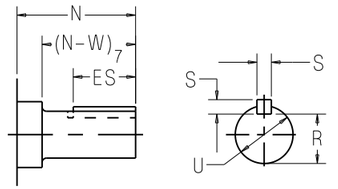
SIEMENS

Dimension Prints for Above NEMA Motors

Type CGII – Horizontal – Weather Protected Type II
Anti-Friction Bearing – Direct Connected
Frame 5812 – 2 Pole & Slower – Rotatable Main Conduit Box







DETAIL "A"

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 10.75" spacer is supplied on the 5812 frame 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. Note: When adding a rotating labyrinth seal, (N-W) will change so V will change accordingly.
4. Machines may rotate in either direction.
5. Shims may be necessary under motor feet for direct connection.
6. Short shaft or long shaft is for direct connection only.
7. Adding a rotating labyrinth seal to the drive end increases BA and decreases (N-W) by:
   4 Pole & Slower: 0.28" Long Shaft 4 Pole & Slower: 0.28"
8. Adding a ground brush increases BA and C by:
   4 Pole & Slower: 2.50" Long Shaft 4 Pole & Slower: 2.50"
9. Adding a ground brush with rotating labyrinth seal increases BA and C by:
   4 Pole & Slower: 2.75" Long Shaft 4 Pole & Slower: 2.75"
10. 2 Pole Machine limited to maximum of 1750 HP.

Standard Dimensions in Inches

Shaft	Frame	Speed	B	$BA_{7,8,9}$	$C_{2,8,9}$	E	2F	N	$(N-W)_7$	R	S	U	V_3	ES	Approx. Ship Wt. (Lbs)
$Short_{10}$	5812S	2 Pole	60.0	10.00	72.0	11.5	45.0	7.00	6.75	2.450	0.750	2.875	6.50	5.0	8400
Short	5812S	4 Pole & Slower	60.0	10.00	73.2	11.5	45.0	8.25	8.00	3.436	1.000	4.000	7.75	6.0	8400
Long	5812	4 Pole & Slower	60.0	10.00	79.8	11.5	45.0	14.90	14.62	4.169	1.250	4.875	14.38	13.0	8400

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.