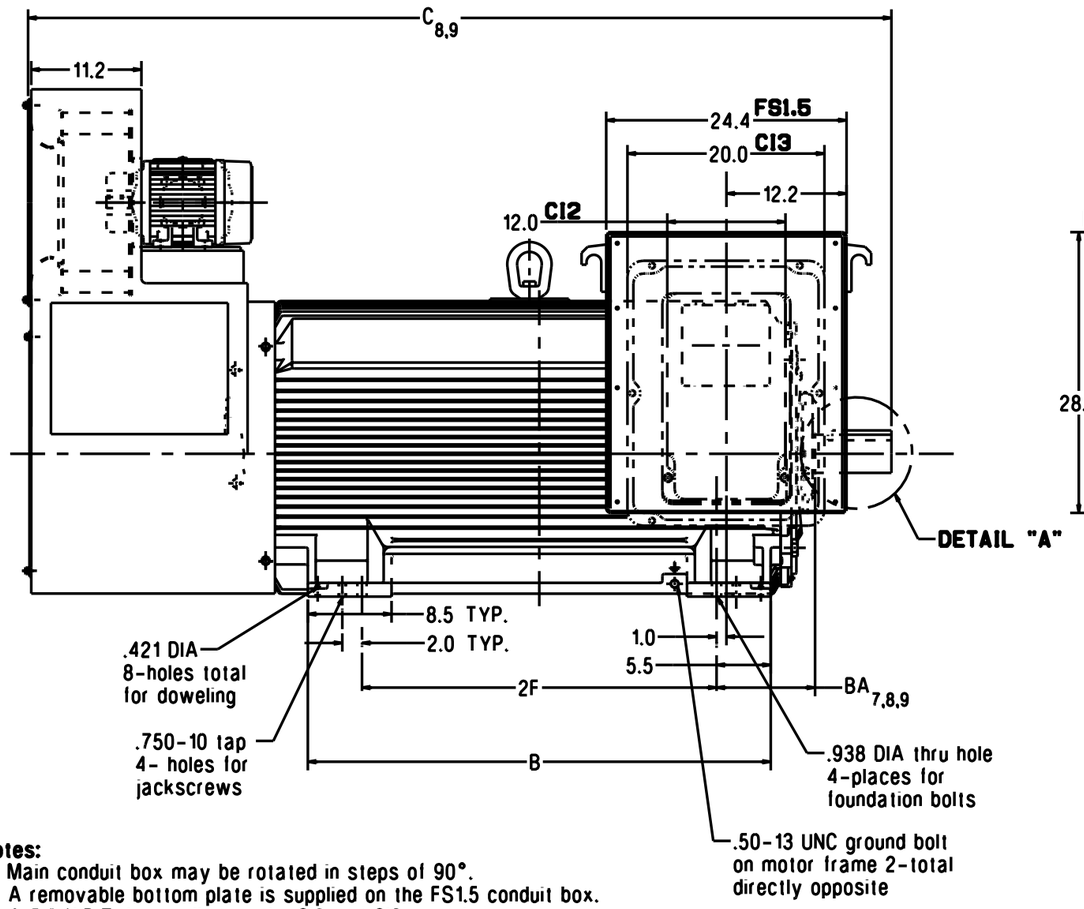
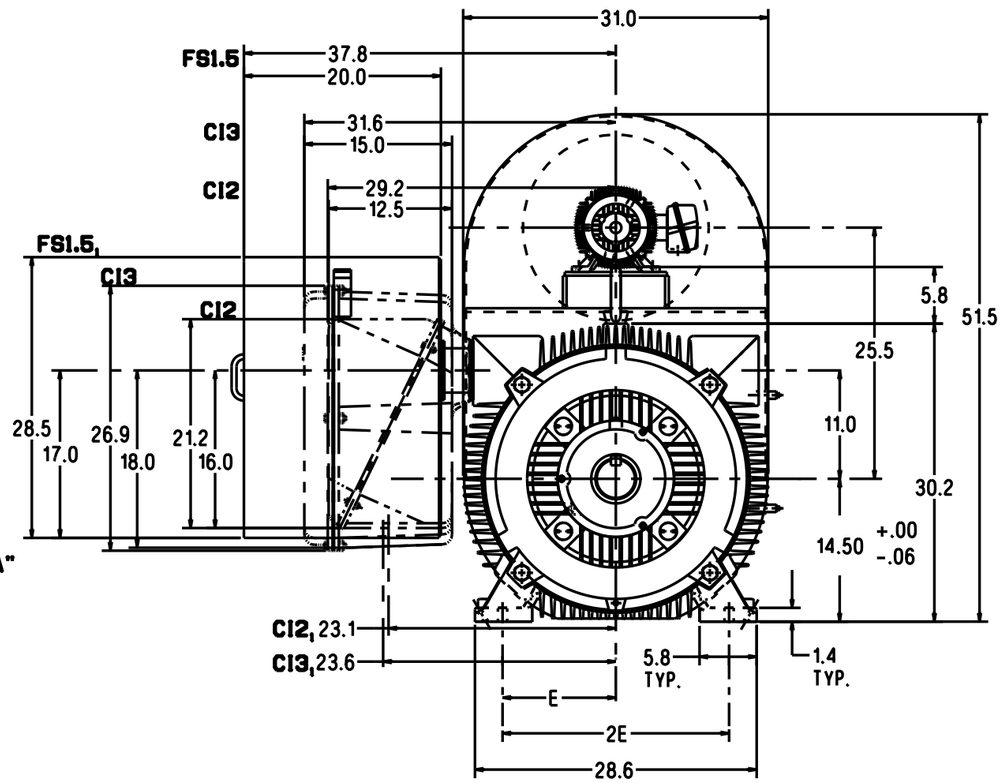
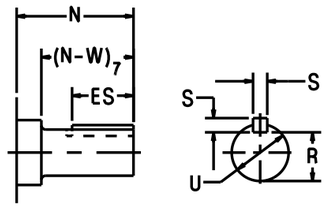
SIEMENS

Dimension Prints for Above NEMA Motors

Type CZAO - Horizontal - TEAO with Auxiliary Blower
Anti-Friction Bearing
Frames 588 & 5810 - 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 3.0" spacer is supplied on both frames for the FS1.5 conduit box.
2. C = Length of motor from drive end of shaft to end of standard fan housing.
3. V = (N-W)-0.25" = length of shaft available for coupling.
4. Machines may rotate in either direction.
5. Shims may be necessary under motor feet for direct connection.
6. Short shaft is for direct connection. Long shaft may be either belt drive or direct connection depending upon the bearing installed in the motor.
7. Adding a rotating labyrinth seal to the drive end increases BA and decreases (N-W) by:
   2 Pole: 0.28" 4 Pole & Slower: 0.28" Long Shaft 4 Pole & Slower: 0.28"
8. Adding a ground brush increases BA & C by:
   2 Pole: 2.50" 4 Pole & Slower: 2.50" Long Shaft 4 Pole & Slower: 2.50"
9. Adding a ground brush with rotating labyrinth seal increases BA & C by:
   2 Pole: 2.75" 4 Pole & Slower: 2.75" Long Shaft 4 Pole & Slower: 2.75"

Standard Dimensions in Inches

Shaft	Frame	Speed	B	$BA_{7,8,9}$	$C_{8,9}$	E	2F	N	$(N-W)_7$	R	S	U	V_3	ES	Approx. Ship Wt. (Lbs)
Short	588S	2 Pole	39.0	10.00	78.3	11.5	28.0	7.00	6.75	2.450	0.75	2.875	6.50	5.0	5200
Short	588S	4 Pole & Slower	39.0	10.00	79.4	11.5	28.0	8.00	7.75	3.309	1.00	3.875	7.50	6.0	5600
Short	5810S	2 Pole	47.0	10.00	86.3	11.5	36.0	7.00	6.75	2.450	0.75	2.875	6.50	5.0	6400
Short	5810S	4 Pole & Slower	47.0	10.00	87.3	11.5	36.0	8.00	7.75	3.309	1.00	3.875	7.50	6.0	6600
Long	588	4 Pole & Slower	39.0	10.00	86.2	11.5	28.0	14.87	14.62	4.169	1.25	4.875	14.37	13.0	5600
Long	5810	4 Pole & Slower	47.0	10.00	94.2	11.5	36.0	14.87	14.62	4.169	1.25	4.875	14.37	13.0	6600

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.

CZAO_588-5810_2plusPL_AF_ROT
Revision 01
03/11/10