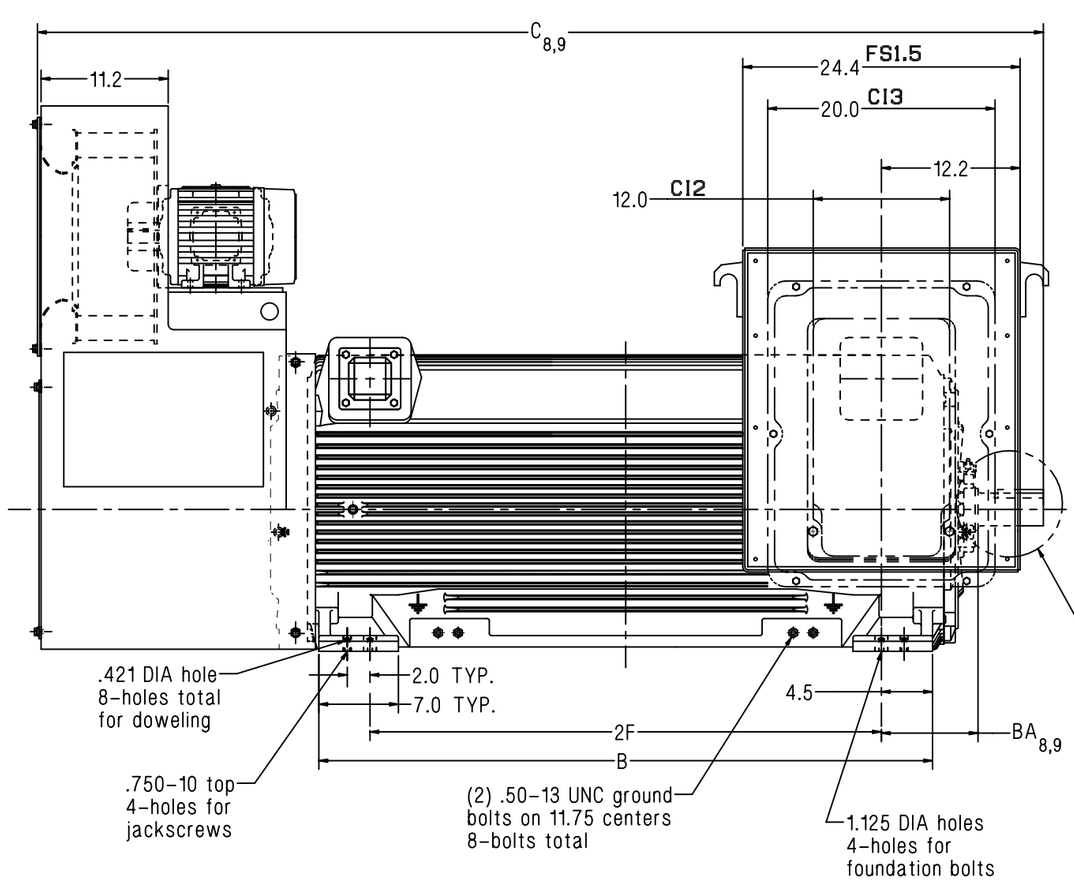
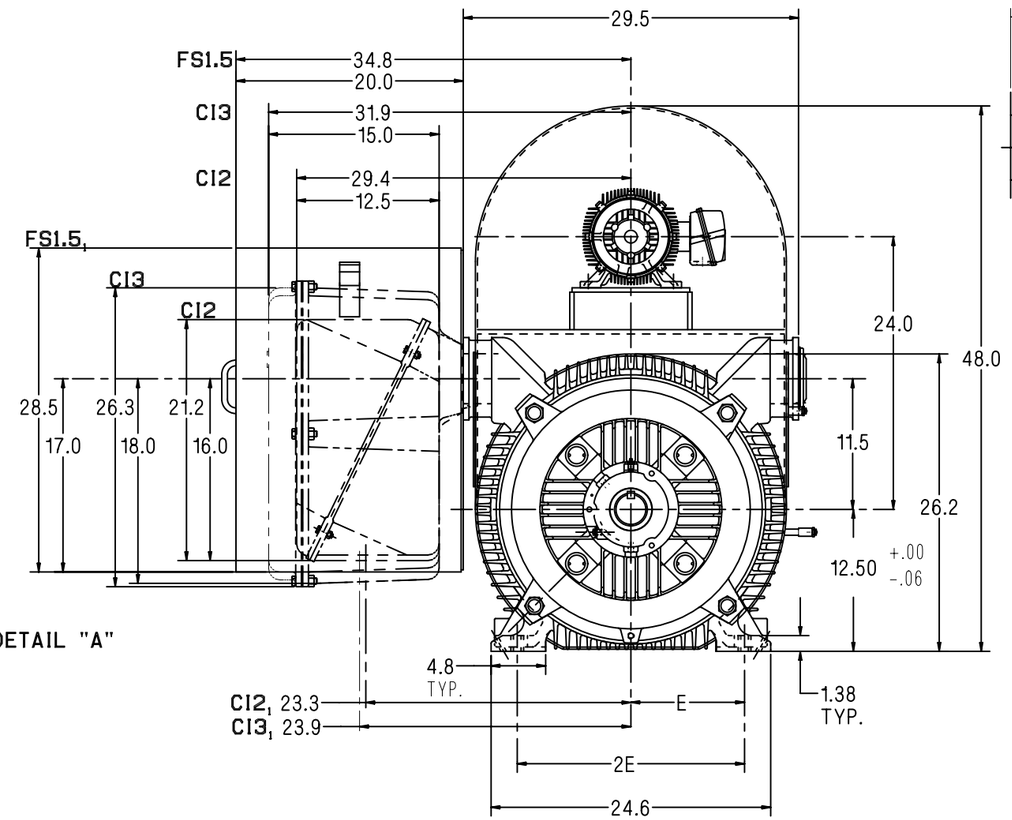
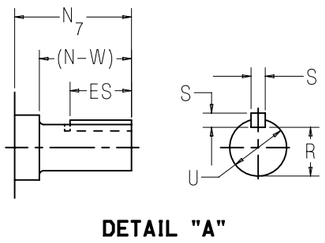
SIEMENS

Dimension Prints for AboveNEMA Motors

Type CZAO – Horizontal – TEAO with Auxiliary Blower
Anti–Friction Bearing – Direct Connected
Frames 509 / 5011 / 5013 – 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.
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. 2 Pole machines may rotate in one direction only.
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 decreases N by:
   2 Pole: 0.55"
8. Adding a ground brush increases BA & C by:
   2 Pole: 2.50"
9. Adding a ground brush with rotating labyrinth seal increases BA & C by:
   2 Pole: 2.75"

Standard Dimensions in Inches

Shaft	Frame	Speed	B	$BA_{8,9}$	$C_{8,9}$	E	2F	N_7	(N–W)	R	S	U	V_3	ES	Approx. Ship Wt. (Lbs)
Short	509S	2 Pole	37.0	8.50	65.3	10.00	28.0	5.50	5.25	2.275	0.625	2.625	5.00	3.5	4500
Short	5011S	2 Pole	45.0	8.50	72.3	10.00	36.0	5.50	5.25	2.275	0.625	2.625	5.00	3.5	5250
Short	5013S	2 Pole	54.0	8.50	81.3	10.00	45.0	5.50	5.25	2.275	0.625	2.625	5.00	3.5	6450

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_509–11–13_2PL_AF_ROT
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03/08/13