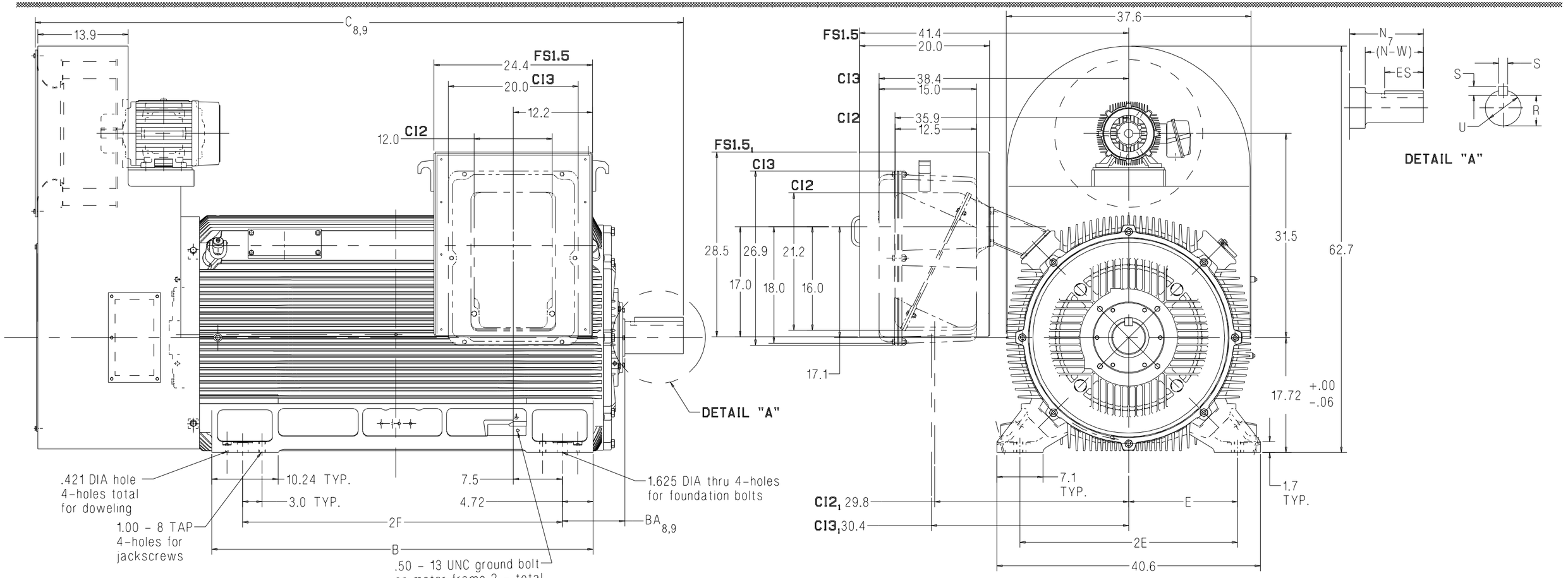
SIEMENS

Dimension Prints for Above NEMA Motors

Type CGZAO – Horizontal – TEAO with Auxiliary Blower
Anti-Friction Bearing
Frame SH450 – 4 Poles & Slower – 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. Machines may rotate in either direction.
5. Shims may be necessary under motor feet for direct connection.
6. Short shaft is for direct connection.
7. Adding a rotating labyrinth seal to the drive end decreases N by:
   4 Pole & Slower: 0.25"
8. Adding a ground brush increases BA & C by:
   4 Pole & Slower: 2.50"
9. Adding a ground brush with rotating labyrinth seals increases BA & C by:
   4 Pole & Slower: 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	SH450	4 Pole & Slower	58.7	9.60	99.7	16.75	49.2	9.30	9.0	4.296	1.25	5.0	8.75	7.5	13700

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.

CGZAO_SH450_4plusPL_AF_ROT
Revision 00
02/24/12