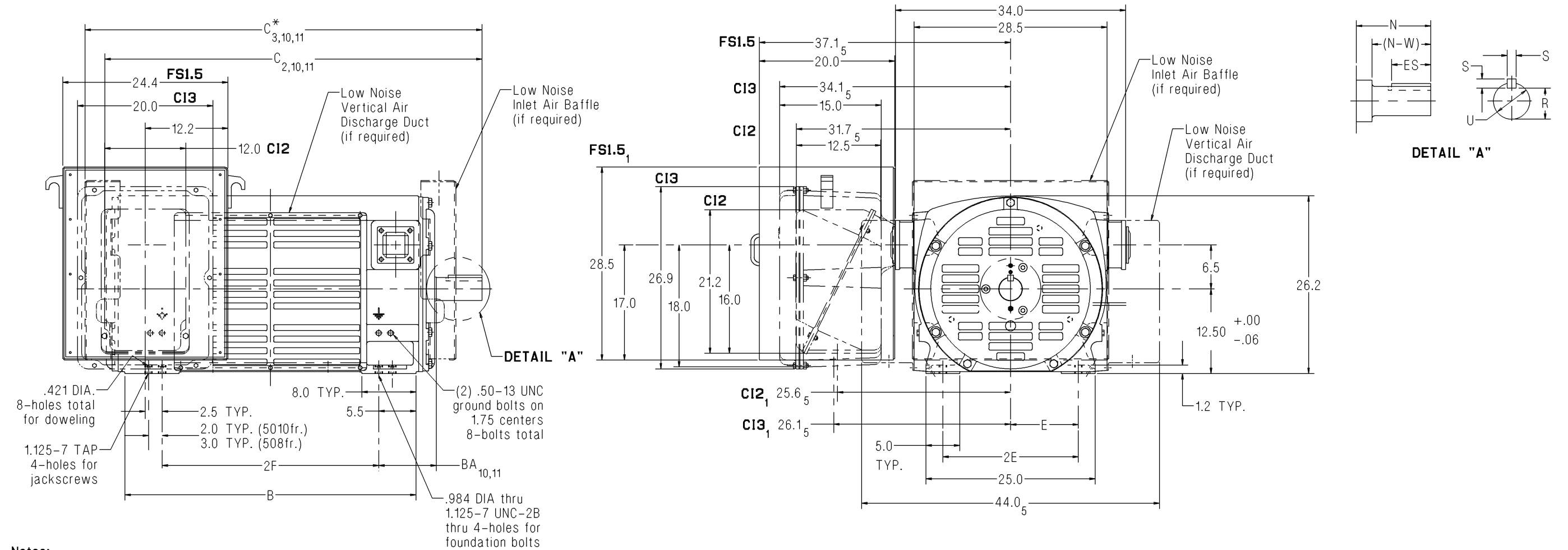


SIEMENS

Dimension Prints for Above NEMA Motors

Type CG – Horizontal – Open Drip Proof / Weather Protected Type I
Anti-Friction Bearing
Frames 508 & 5010 – 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 non-drive end of motor.
3. C* = Length of motor from drive end of shaft to edge of low noise inlet air baffle.
4. V = (N-W)-0.25" = length of shaft available for coupling.
5. Adding a low noise vertical air discharge duct requires a 6.0" spacer for all rotatable conduit boxes. All associated conduit box dimensions will change accordingly.
6. 2 Pole machines may rotate in one direction only.
7. Shims may be necessary under motor feet for direct connection.
8. Short shaft is for direct connection. Long shaft may be either belt drive or direct connection depending upon the bearing installed in the motor.
9. Adding a rotating labyrinth seal to the drive end does not change any dimensions.
10. Adding a ground brush increases BA, C, and C* by:
2 Pole: 2.50" 4 Pole & Slower: 2.50" Long Shaft 4 Pole & Slower: 2.50"
11. Adding a ground brush with rotating labyrinth seal increases BA, C, and C* by:
2 Pole: 2.50" 4 Pole & Slower: 2.50" Long Shaft 4 Pole & Slower: 2.50"

Standard Dimensions in Inches

Shaft	Frame	Speed	B	BA _{10,11}	C _{2,10,11}	C* _{3,10,11}	E	2F	N	(N-W)	R	S	U	V ₄	ES	Approx. Ship Wt. (Lbs)
Short	508S	2 Pole	36.0	8.50	47.2	50.1	10.00	25.0	5.50	5.25	2.275	0.625	2.625	5.00	3.5	3700
Short	508S	4 Pole & Slower	36.0	8.50	48.7	51.6	10.00	25.0	7.00	6.75	2.880	0.875	3.375	6.50	5.0	4000
Short	5010S	2 Pole	43.0	8.50	54.2	57.1	10.00	32.0	5.50	5.25	2.275	0.625	2.625	5.00	3.5	4600
Short	5010S	4 Pole & Slower	43.0	8.50	55.7	58.6	10.00	32.0	7.00	6.75	2.880	0.875	3.375	6.50	5.0	4800
Long	508	4 Pole & Slower	36.0	8.50	51.4	54.3	10.00	25.0	9.75	9.50	3.436	1.000	4.000	9.25	8.0	4000
Long	5010	4 Pole & Slower	43.0	8.50	58.4	61.3	10.00	32.0	9.75	9.50	3.436	1.000	4.000	9.25	8.0	4800

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.

CG_508and5010_2plusPL_AF_ROT
Revision 01
01/27/09