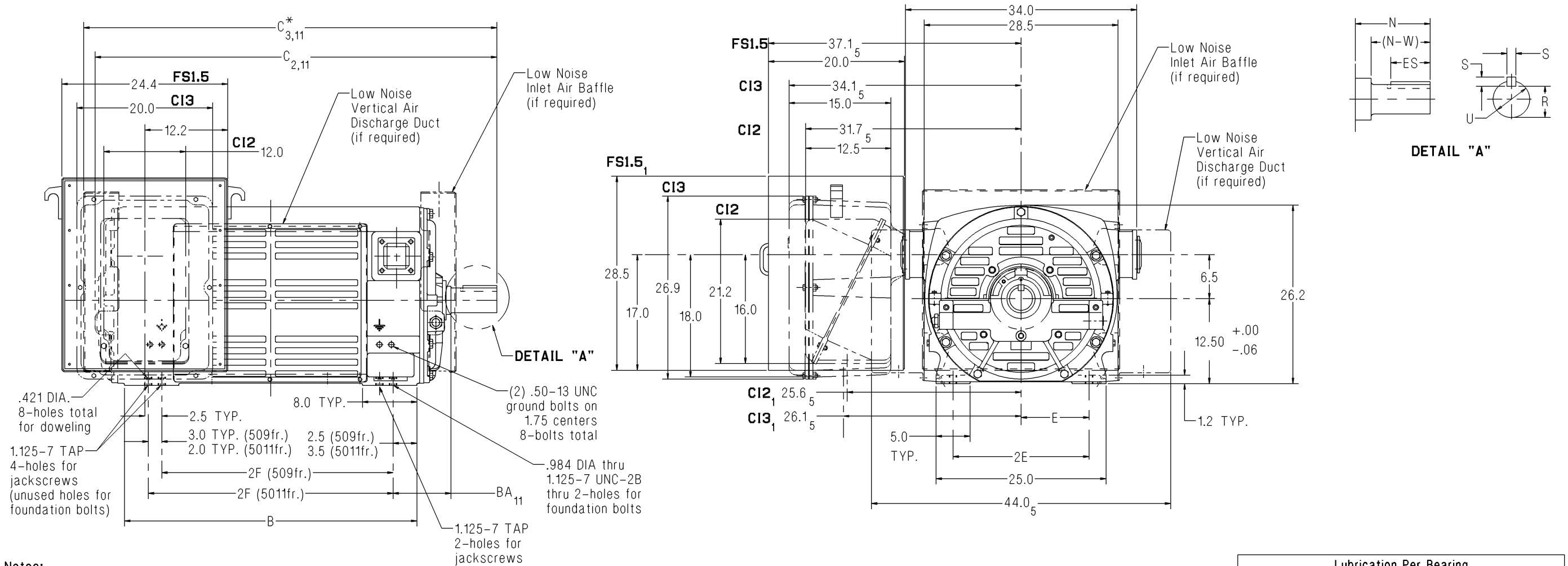


# SIEMENS

Dimension Prints for Above NEMA Motors

Type NCG – Custom Horizontal – Open Drip Proof / Weather Protected Type I  
Sleeve Bearing – Direct Connected  
Frames 509 & 5011 – Rotatable Main Conduit Box



**Notes:**

- 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.
- C = Length of motor from drive end of shaft to end of non-drive end of motor.
- C\* = Length of motor from drive end of shaft to edge of low noise inlet air baffle.
- $V = (N-W) - 0.25$  = length of shaft available for coupling.
- 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.
- 2 Pole machines may rotate in one direction only.
- Shims may be necessary under motor feet for direct connection.
- Rotor end float = 0.5"
- End float of LEF coupling = 0.19"
- Adding a rotating labyrinth seal to the drive end does not change any dimensions.
- When adding a ground brush, consult the factory. (BA, C, and C\* will increase.)
- For motors equipped with provisions for proximity probes use this print for our standard internal mounting.

Lubrication Per Bearing	
2 Pole	4 Pole & Slower
140-160 SUS @ 100°F	290-350 SUS @ 100°F
1.4 qt. capacity	1.4 qt. capacity

**Standard Dimensions in Inches**

Shaft	Frame	Speed	B	BA <sub>11</sub>	C <sub>2,11</sub>	C* <sub>3,11</sub>	E	2F	N	(N-W)	R	S	U	V <sub>4</sub>	ES	Approx. Ship Wt. (Lbs)
Short	509S	2 Pole	36.0	8.50	51.6	54.5	10.00	28.0	6.95	5.25	2.275	0.625	2.625	5.00	3.5	3800
Short	509S	4 Pole & Slower	36.0	8.50	53.0	55.9	10.00	28.0	8.45	6.75	2.880	0.875	3.375	6.50	5.0	4100
Short	5011S	2 Pole	43.0	8.50	57.6	60.5	10.00	36.0	5.95	5.25	2.275	0.625	2.625	5.00	3.5	4700
Short	5011S	4 Pole & Slower	43.0	8.50	59.0	61.9	10.00	36.0	7.45	6.75	2.880	0.875	3.375	6.50	5.0	4900

**Certification:** Customer \_\_\_\_\_ P.O. \_\_\_\_\_ S.O. \_\_\_\_\_ Item \_\_\_\_\_  
 HP \_\_\_\_\_ RPM \_\_\_\_\_ Frame \_\_\_\_\_ PH/HZ/Volts 3/\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_ Terminal Box Size CI2  CI3  FS1.5  NCG\_509and5011\_2plusPL\_SLV\_ROT  
 By \_\_\_\_\_ Date \_\_\_\_\_  
 Comments \_\_\_\_\_  
 Not for construction, installation or application purposes unless certified.

Revision 01  
01/28/09