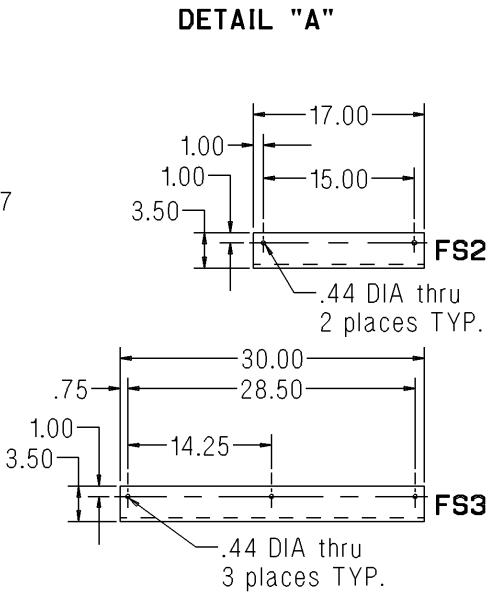
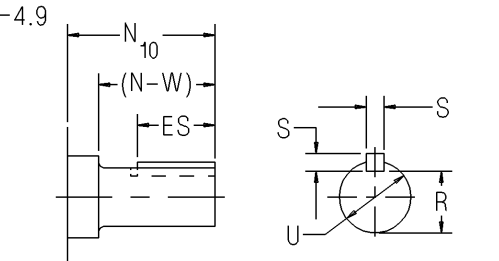
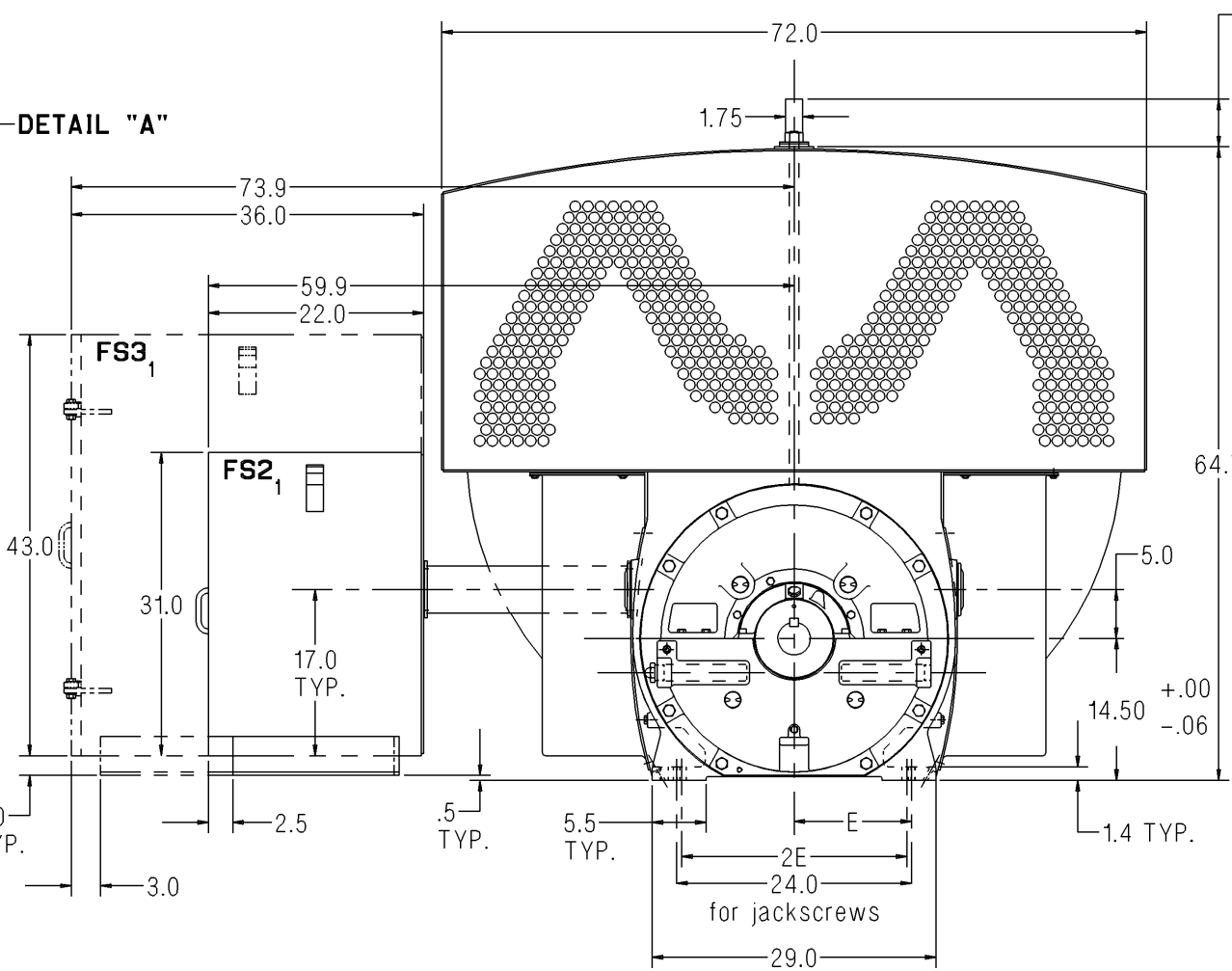
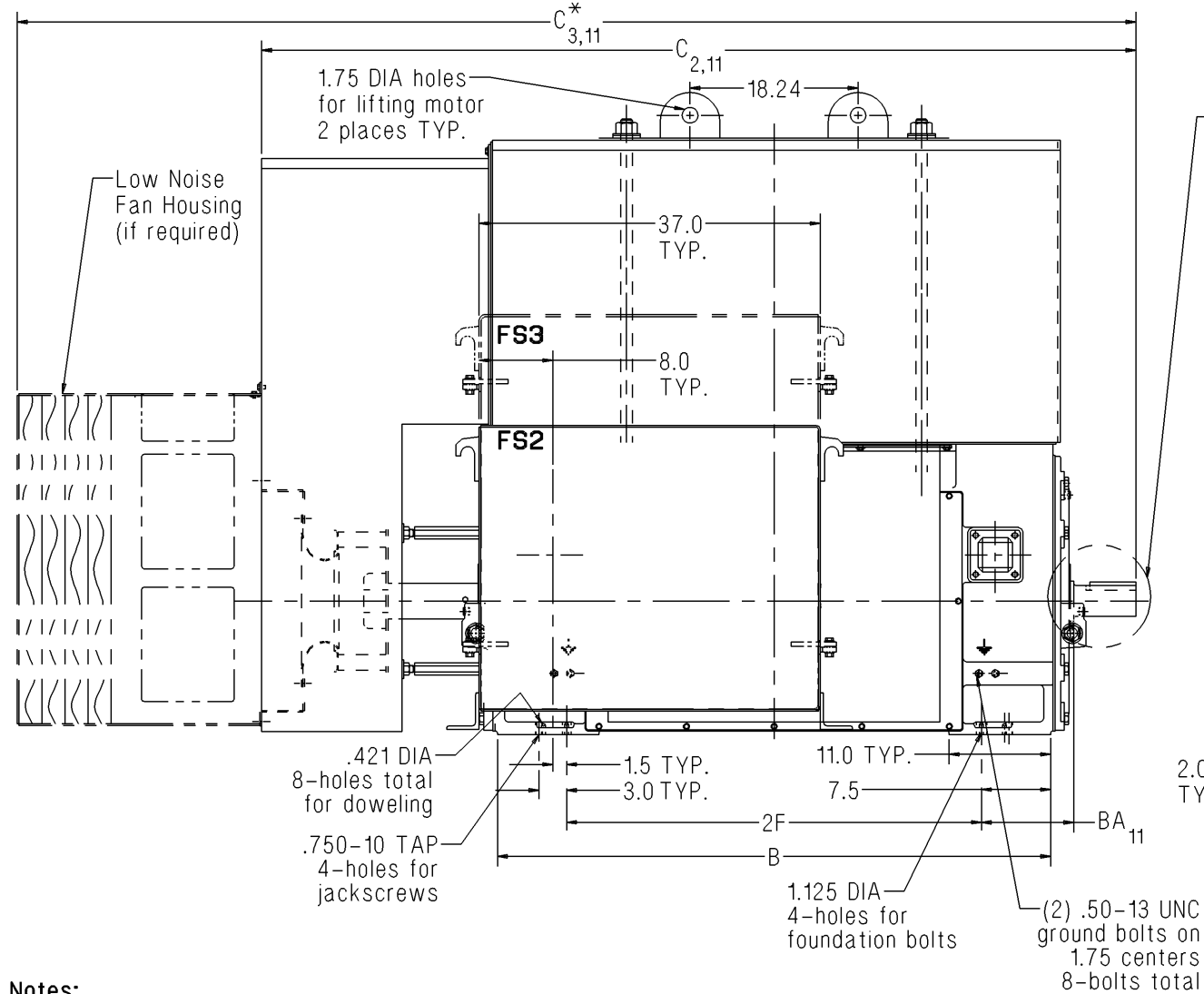


Dimension Prints for Above NEMA Motors



BOX FEET DIMENSIONS

- Notes:**
- Main conduit box is free standing and must be supported from below by customer. Main conduit box is not level with motor feet. A removable bottom plate is supplied on the FS2 and FS3 conduit boxes. A 21.0" spacer is supplied on the 5812 frame for the FS2 and FS3 conduit boxes.
 - C = Length of motor from drive end of shaft to end of standard fan housing.
 - C* = Length of motor from drive end of shaft to end of low noise fan housing.
 - V = (N-W)-0.25" = length of shaft available for coupling.
 - Machines 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"
 - Approximate ship weight is based on standard aluminum cooling tubes.
 - Adding a rotating labyrinth seal to the drive end decreases N by:
2 Pole: 0.28" 4 Pole & Slower: 0.28"
 - 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
3.5 qt. capacity	3.5 qt. capacity

Standard Dimensions in Inches

Shaft	Frame	Speed	B	BA ₁₁	C _{2,11}	C* _{3,11}	E	2F	N ₁₀	(N-W)	R	S	U	V ₄	ES	Approx. Ship Wt. (Lbs) ₉
Short	5812S	2 Pole	60.0	10.00	95.3	121.3	11.50	45.0	7.13	6.75	2.880	0.875	3.375	6.50	5.0	9900
Short	5812S	4 Pole & Slower	60.0	10.00	96.6	122.6	11.50	45.0	8.38	8.00	3.436	1.000	4.000	7.75	6.0	10100

Certification: Customer _____ P.O. _____ S.O. _____ Item _____
 HP _____ RPM _____ Frame _____ PH/HZ/Volts 3/_____/_____
 By _____ Date _____ Terminal Box Size FS2 FS3
 Comments _____
 Not for construction, installation or application purposes unless certified.