



- Notes:**
1. 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 3.0" spacer is supplied on the 5812 frame for the FS2 conduit box. A 21.0" spacer is supplied on the 5812 frame for the FS3 conduit box.
 2. C = Length of motor from drive end of shaft to end of non-drive end of motor.
 3. V = (N-W)-0.25" = length of shaft available for coupling.
 4. Adding the low noise side duct requires adding 7.75" to the spacer for the FS2 conduit box. All associated FS2 conduit box dimensions will change accordingly.
 5. Machines may rotate in either direction.
 6. Shims may be necessary under motor feet for direct connection.
 7. Rotor end float = 0.5"
 8. End float of LEF coupling = 0.19"
 9. Adding a rotating labyrinth seal to the drive end decreases N by: 6 Pole & Slower: 0.28"
 10. When adding a ground brush, consult the factory. (BA and C will increase.)
 11. For motors equipped with provisions for proximity probes use this print for our standard internal mounting.

Lubrication Per Bearing	
6 Pole & Slower	
290-350 SUS @ 100°F	
3.5 qt. capacity	

Standard Dimensions in Inches

Shaft	Frame	Speed	B	BA ₁₀	C _{2,10}	E	2F	N ₉	(N-W)	R	S	U	V ₃	ES	Approx. Ship Wt. (Lbs)
Short	5812S	6 Pole & Slower	60.0	10.00	74.3	11.5	45.0	8.38	8.00	3.436	1.000	4.000	7.75	6.0	7700

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.