



**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. Note: When adding a rotating labyrinth seal, (N-W) will change so V will change accordingly.
- Machines rotate in one direction only.
- Shims may be necessary under motor feet for direct connection.
- Approximate ship weight is based on standard aluminum cooling tubes.
- Short shaft or long shaft is for direct connection.
- Adding a rotating labyrinth seal to the drive end increases BA and decreases (N-W) by:  
 4 Pole & Slower: 0.28" Long Shaft 4 Pole & Slower: 0.28"
- Adding a ground brush increases BA, C, and C\* by:  
 4 Pole & Slower: 2.50" Long Shaft 4 Pole & Slower: 2.50"
- Adding a ground brush with rotating labyrinth seal increases BA, C, and C\* by:  
 4 Pole & Slower: 2.75" Long Shaft 4 Pole & Slower: 2.75"
- 2 Pole Machine limited to maximum of 1750 HP.

**Standard Dimensions in Inches**

Shaft	Frame	Speed	B	BA <sub>9,10,11</sub>	C <sub>2,10,11</sub>	C* <sub>3,10,11</sub>	E	2F	N	(N-W) <sub>g</sub>	R	S	U	V <sub>4</sub>	ES	Approx. Ship Wt. (Lbs) <sub>7</sub>
Short <sub>12</sub>	5812S	2 Pole	60.0	10.00	95.4	121.4	11.50	45.0	7.00	6.75	2.450	0.750	2.875	6.50	5.0	10100
Short	5812S	4 Pole & Slower	60.0	10.00	96.6	122.6	11.50	45.0	8.25	8.00	3.436	1.000	4.000	7.75	6.0	10100
Long	5812	4 Pole & Slower	60.0	10.00	103.2	129.2	11.50	45.0	14.90	14.62	4.169	1.250	4.875	14.38	13.0	10100

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