



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.
2. C = Length of motor from drive end of shaft to end of standard fan housing.
3. V = (N-W)-0.25" = length of shaft available for coupling.
4. Machines may rotate in either direction.
5. Shims may be necessary under motor feet for direct connection.
6. Short shaft is for direct connection. Long shaft may be either belt drive or direct connection depending upon the bearing installed in the motor.
7. Adding a rotating labyrinth seal to the drive end increases BA and decreases (N-W) by:
2 Pole: 0.28" 4 Pole & Slower: 0.28" Long Shaft 4 Pole & Slower: 0.28"
8. Adding a ground brush increases BA & C by:
2 Pole: 2.50" 4 Pole & Slower: 2.50" Long Shaft 4 Pole & Slower: 2.50"
9. Adding a ground brush with rotating labyrinth seal increases BA & C by:
2 Pole: 2.75" 4 Pole & Slower: 2.75" Long Shaft 4 Pole & Slower: 2.75"

Standard Dimensions in Inches

Shaft	Frame	Speed	B	BA _{7,8,9}	C _{8,9}	E	2F	N	(N-W) ₇	R	S	U	V ₃	ES	Approx. Ship Wt. (Lbs)
Short	5812S	4 Pole & Slower	56.0	10.00	96.9	11.5	45.0	8.00	7.75	3.309	1.00	3.875	7.50	6.0	9150
Long	5812	4 Pole & Slower	56.0	10.00	103.8	11.5	45.0	14.87	14.62	4.169	1.25	4.875	14.37	13.0	9150

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.

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Revision 01
03/15/11