



- 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 3.0" spacer is supplied on both frames for the FS2 conduit box. A 21.0" spacer is supplied on both frames for the FS3 conduit box.
 - C = Length of motor from drive end of shaft to end of non-drive end of motor.
 - 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.
 - 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.
 - Machines may rotate in either direction.
 - Shims may be necessary under motor feet for direct connection.
 - Short shaft is for direct connection. Long shaft may be either belt drive or direct connection depending upon the bearing installed in the motor.
 - Adding a rotating labyrinth seal to the drive end increases BA and decreases (N-W) by:
6 Pole & Slower: 0.28" Long Shaft 6 Pole & Slower: 0.28"
 - Adding a ground brush increases BA and C by:
6 Pole & Slower: 2.50" Long Shaft 6 Pole & Slower: 2.50"
 - Adding a ground brush with rotating labyrinth seal increases BA and C by:
6 Pole & Slower: 2.75" Long Shaft 6 Pole & Slower: 2.75"

Standard Dimensions in Inches

Shaft	Frame	Speed	B	BA _{8,9,10}	C _{2,9,10}	E	2F	N	(N-W) ₈	R	S	U	V ₃	ES	Approx. Ship Wt. (Lbs)
Short	588S	6 Pole & Slower	43.0	10.00	56.4	11.50	28.0	8.25	8.00	3.436	1.000	4.000	7.75	6.0	5100
Short	5810S	6 Pole & Slower	51.0	10.00	64.4	11.50	36.0	8.25	8.00	3.436	1.000	4.000	7.75	6.0	6000
Long	588	6 Pole & Slower	43.0	10.00	63.0	11.50	28.0	14.90	14.62	4.169	1.250	4.875	14.38	13.0	5100
Long	5810	6 Pole & Slower	51.0	10.00	71.0	11.50	36.0	14.90	14.62	4.169	1.250	4.875	14.38	13.0	6000

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.