



- 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 21.0" spacer is supplied on both frames for the FS2 and FS3 conduit boxes.
 2. C = Length of motor from drive end of shaft to end of auxiliary blower.
 3. 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.
 4. 2 Pole machines rotate in one direction only.
 5. Shims may be necessary under motor feet for direct connection.
 6. Approximate ship weight is based on standard aluminum cooling tubes.
 7. Short shaft is for direct connection. Long shaft may be either belt drive or direct connection depending upon the bearing installed in the motor.
 8. 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"
 9. Adding a ground brush increases BA and C by:
2 Pole: 2.50" 4 Pole & Slower: 2.50" Long Shaft 4 Pole & Slower: 2.50"
 10. Adding a ground brush with rotating labyrinth seal increases BA and 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 _{8,9,10} | C _{2,9,10} | E | 2F | N | (N-W) ₈ | R | S | U | V ₃ | ES | Approx. Ship Wt. (Lbs) ₆ |
|-------|-------|-----------------|------|----------------------|---------------------|-------|------|-------|--------------------|-------|-------|-------|----------------|------|-------------------------------------|
| Short | 588S | 2 Pole | 43.0 | 10.00 | 85.5 | 11.50 | 28.0 | 7.00 | 6.75 | 2.450 | 0.750 | 2.875 | 6.50 | 5.0 | 7100 |
| Short | 588S | 4 Pole & Slower | 43.0 | 10.00 | 86.75 | 11.50 | 28.0 | 8.25 | 8.00 | 3.436 | 1.000 | 4.000 | 7.75 | 6.0 | 7300 |
| Short | 5810S | 2 Pole | 51.0 | 10.00 | 93.5 | 11.50 | 36.0 | 7.00 | 6.75 | 2.450 | 0.750 | 2.875 | 6.50 | 5.0 | 8500 |
| Short | 5810S | 4 Pole & Slower | 51.0 | 10.00 | 94.75 | 11.50 | 36.0 | 8.25 | 8.00 | 3.436 | 1.000 | 4.000 | 7.75 | 6.0 | 8700 |
| Long | 588 | 4 Pole & Slower | 43.0 | 10.00 | 93.4 | 11.50 | 28.0 | 14.90 | 14.62 | 4.169 | 1.250 | 4.875 | 14.38 | 13.0 | 7300 |
| Long | 5810 | 4 Pole & Slower | 51.0 | 10.00 | 101.4 | 11.50 | 36.0 | 14.90 | 14.62 | 4.169 | 1.250 | 4.875 | 14.38 | 13.0 | 8700 |

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.