



DETAIL "A"

Notes:

1. Main conduit box may be rotated in steps of 90°.
2. A removable bottom plate is supplied on the FS1.5 conduit box.
3. A 5.0 N.P.T. is supplied on the CI2 and CI3 conduit boxes.
4. A 6.0" spacer is supplied on both frames for all rotatable conduit boxes.
5. C = Length of motor from drive end of shaft to end of non-drive end of motor.
6. 3. V = (N-W)-0.25" = length of shaft available for coupling.
7. 2 Pole machines may rotate in one direction only.
8. Shims may be necessary under motor feet for direct connection.
9. Short shaft is for direct connection. Long shaft may be either belt drive or direct connection depending upon the bearing installed in the motor.
10. Adding a rotating labyrinth seal to the drive end does not change any dimensions.
11. Adding a ground brush increases BA and C by:
12. 2 Pole: 2.50" 4 Pole & Slower: 2.50" Long Shaft 4 Pole & Slower: 2.50"
13. Adding a ground brush with rotating labyrinth seal increases BA and C by:
14. 2 Pole: 2.50" 4 Pole & Slower: 2.50" Long Shaft 4 Pole & Slower: 2.50"

Standard Dimensions in inches

| Shaft | Drive  | Frame | Speed           | B    | BA <sub>8.9</sub> | C <sub>28.9</sub> | E     | 2F   | N     | (N-W) | R     | S     | U     | V <sub>3</sub> | ES  | Approx. Ship Wt. (lbs) |
|-------|--------|-------|-----------------|------|-------------------|-------------------|-------|------|-------|-------|-------|-------|-------|----------------|-----|------------------------|
| Short | Direct | 508S  | 2 Pole          | 36.0 | 8.50              | 51.4              | 10.00 | 25.0 | 5.50  | 5.25  | 2.275 | 0.625 | 2.625 | 5.00           | 3.5 | 4100                   |
| Short | Direct | 508S  | 4 Pole & Slower | 36.0 | 8.50              | 52.9              | 10.00 | 25.0 | 7.00  | 6.75  | 2.880 | 0.875 | 3.375 | 6.50           | 5.0 | 4400                   |
| Short | Direct | 5010S | 2 Pole          | 43.0 | 8.50              | 58.4              | 10.00 | 32.0 | 5.50  | 5.25  | 2.275 | 0.625 | 2.625 | 5.00           | 3.5 | 5050                   |
| Short | Direct | 5010S | 4 Pole & Slower | 43.0 | 8.50              | 59.9              | 10.00 | 32.0 | 7.00  | 6.75  | 2.880 | 0.875 | 3.375 | 6.50           | 5.0 | 5250                   |
| Long  | Direct | 508   | 4 Pole & Slower | 36.0 | 8.50              | 55.7              | 10.00 | 25.0 | 9.75  | 9.50  | 3.436 | 1.000 | 4.000 | 9.25           | 8.0 | 4400                   |
| Long  | Direct | 5010  | 4 Pole & Slower | 43.0 | 8.50              | 62.7              | 10.00 | 32.0 | 9.75  | 9.50  | 3.436 | 1.000 | 4.000 | 9.25           | 8.0 | 5250                   |
| Long  | Belt   | 508   | 4 Pole & Slower | 36.0 | 12.50             | 59.7              | 10.00 | 25.0 | 13.75 | 9.50  | 3.436 | 1.000 | 4.000 | 9.25           | 8.0 | 4400                   |
| Long  | Belt   | 5010  | 4 Pole & Slower | 43.0 | 12.50             | 66.7              | 10.00 | 32.0 | 13.75 | 9.50  | 3.436 | 1.000 | 4.000 | 9.25           | 8.0 | 5250                   |

Certification: Customer

HP \_\_\_\_\_ P.O. \_\_\_\_\_ S.O. \_\_\_\_\_ Item \_\_\_\_\_

Frame \_\_\_\_\_ PH/Hz/Volts 3/ \_\_\_\_\_ Terminal Box Size C12 \_\_\_\_\_ C13 \_\_\_\_\_ FS1.5 \_\_\_\_\_ CGLI\_508and5010\_2plusPL-AF-ROT

By \_\_\_\_\_ Date \_\_\_\_\_ Revision 01 01/28/09

Comments \_\_\_\_\_

Not for construction, installation or application purposes unless certified.