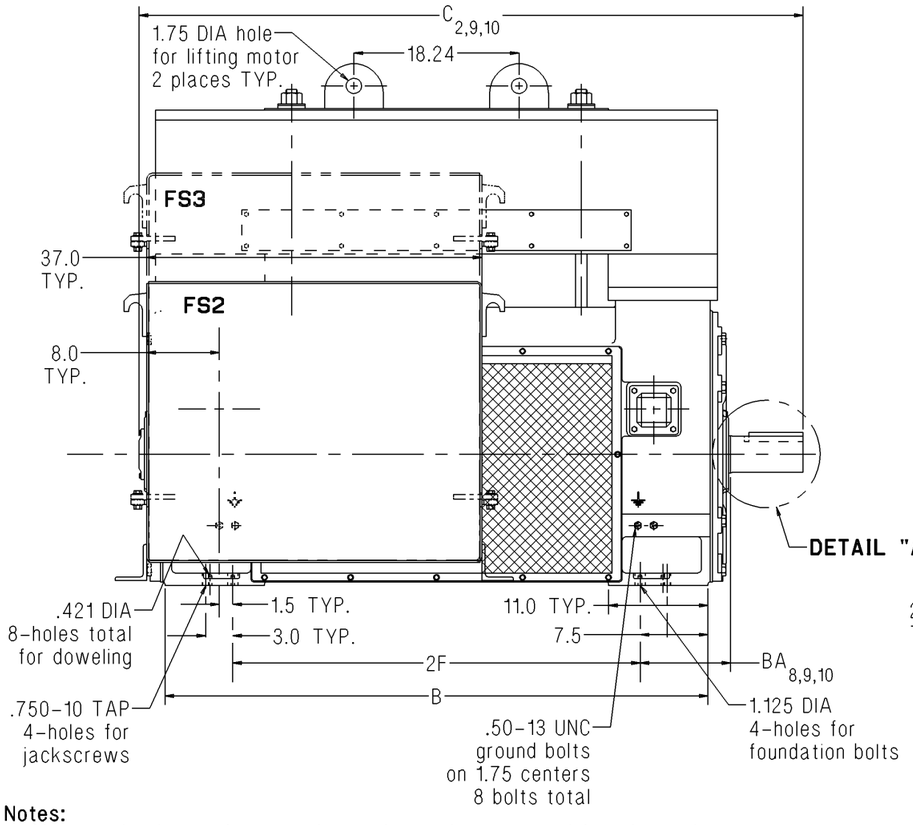
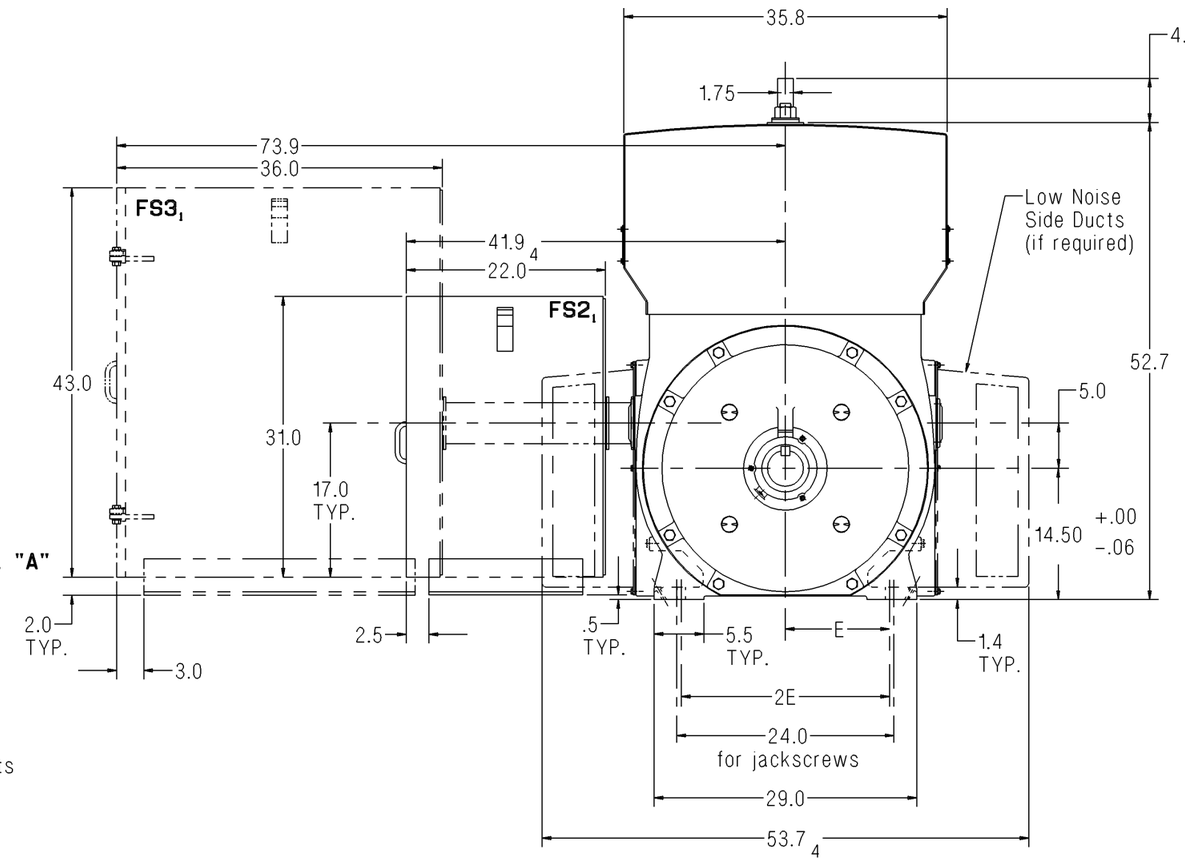
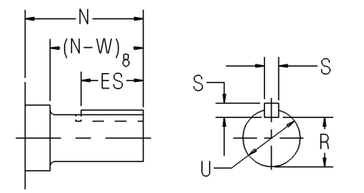
SIEMENS

Dimension Prints for Above NEMA Motors

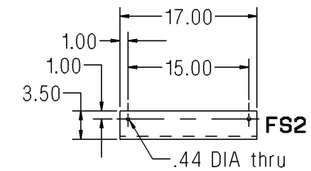
Type CG – Horizontal – Open Drip Proof / Weather Protected Type I
Anti-Friction Bearing – Direct Connected
Frame 5812 – 6 Pole & Slower – Free Standing Main Conduit Box

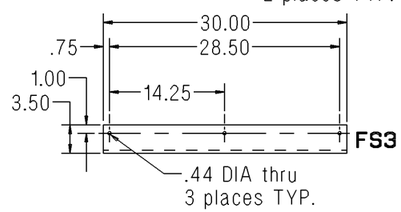






DETAIL "A"





BOX FEET DIMENSIONS

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 3.0" spacer is supplied on the 5812 frame for the FS2 conduit box.
   A 21.0" spacer is supplied on the 5812 frame for the FS3 conduit box.
2. C = Length of motor from drive end of shaft to end of non-drive end of motor.
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. 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.
5. Machines may rotate in either direction.
6. Shims may be necessary under motor feet for direct connection.
7. Short shaft or Long shaft is for direct connection only.
8. 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"
9. Adding a ground brush increases BA and C by:
   6 Pole & Slower: 2.50" Long Shaft 6 Pole & Slower: 2.50"
10. 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	5812S	6 Pole & Slower	60.0	10.00	73.2	11.50	45.0	8.25	8.00	3.436	1.000	4.000	7.75	6.0	7700
Long	5812	6 Pole & Slower	60.0	10.00	79.8	11.50	45.0	14.90	14.62	4.169	1.250	4.875	14.38	13.0	7700

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.