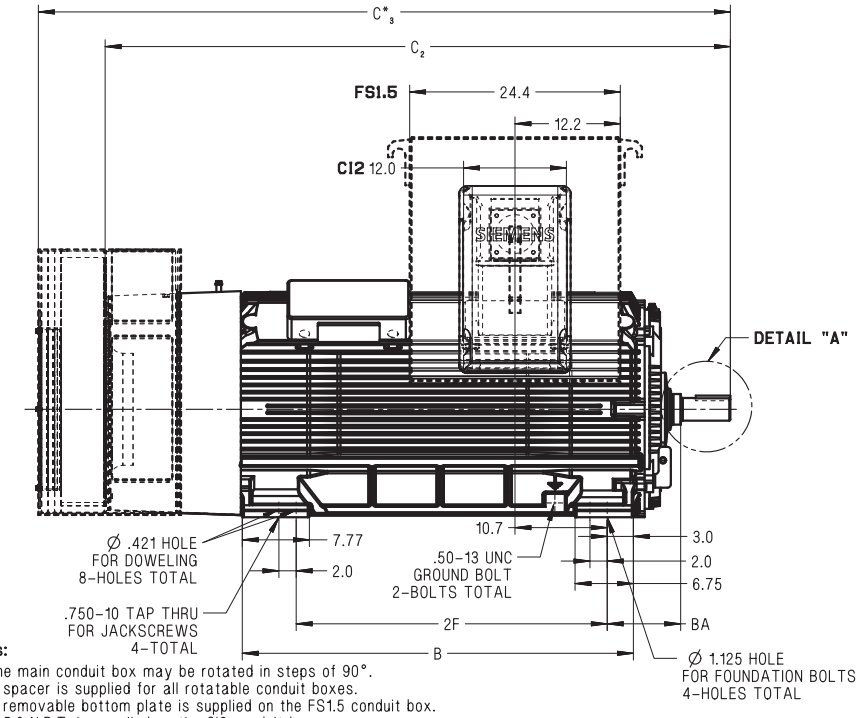
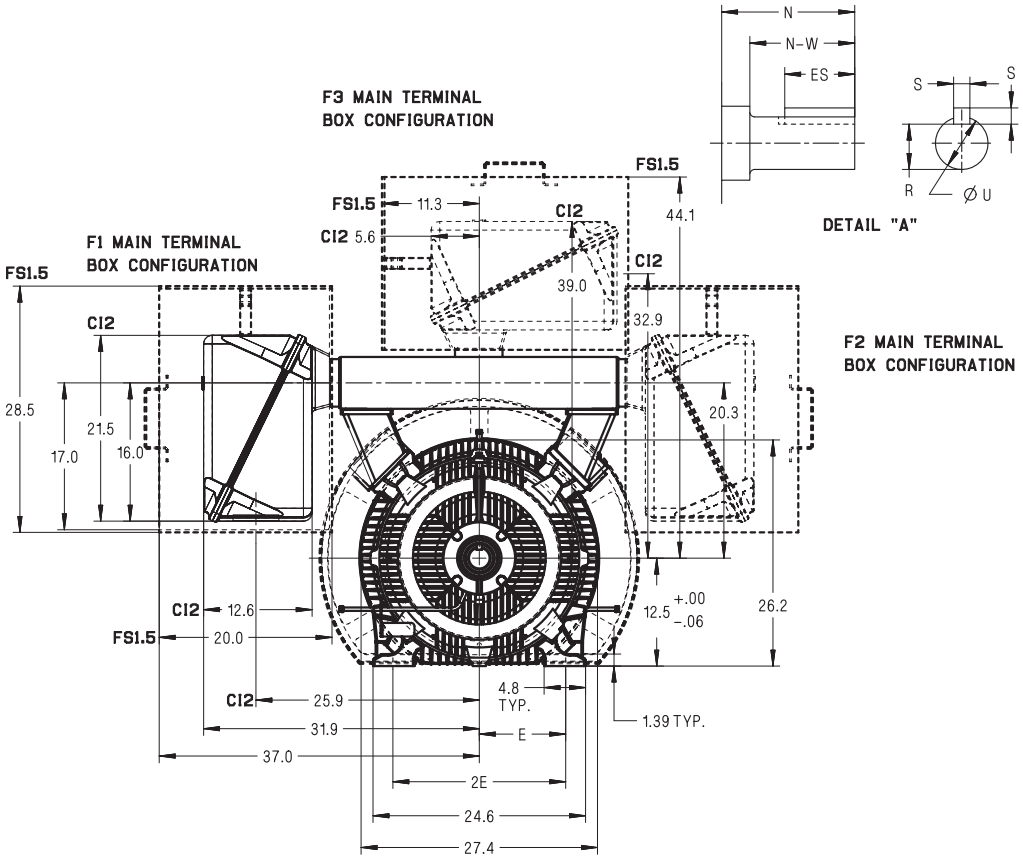
SIEMENS

Dimension Prints for AboveNEMA Motors

Type 1LA3 – Horizontal – TEFC / Totally Enclosed Fan Cooled
Anti-Friction Bearing – Direct Connected
Frame 5011 – 2 Pole & Slower – Rotatable Main Conduit Box with Optional Top-Mount Spacer





Notes:

1. The main conduit box may be rotated in steps of 90°.
   A spacer is supplied for all rotatable conduit boxes.
   A removable bottom plate is supplied on the FS1.5 conduit box.
   A 5.0 N.P.T. is supplied on the CI2 conduit box.
2. C = Length of motor from drive end of shaft to end of standard fan housing.
3. C* = Length of motor from drive end of shaft to end of low noise fan housing
4. V = (N-W)-0.25" = length of shaft available for coupling.
5. 2 Pole machines may rotate in one direction only.
6. Shims may be necessary under motor feet for direct connection.
7. 2 Pole machines are for direct connection. 4 Pole and slower machines may be either belt drive or direct connection depending upon the bearing installed in the motor.
8. Adding a ground brush increases BA and decreases N-W by:
   4 Pole +: 0.20"
9. Ground brush not available with C & D flange motors.

Frame	Speed	B	BA	C_2	C^*_3	E	2F	N	(N-W)	R	S	U	V	ES	Approx. Ship Wt. (Lbs)
5011	2 Pole	45.28	8.50	72.4	80.09	10.00	36.0	6.86	5.75	2.275	0.625	2.625	5.50	4.0	4455
5011	4 Pole +	45.28	8.50	78.0	85.69	10.00	36.0	12.56	11.62	3.309	1.000	3.875	11.37	10.0	4705

Certification: Customer _____ P.O. _____ S.O. _____ Item _____

HP _____ RPM _____ Frame _____ PH/HZ/Volts 3/_____/_____ Terminal Box Size CI2☐ FS1.5☐

Customer Tag # _____ By _____ Date _____

Comments _____

Not for construction, installation or application purposes unless certified.

TEFC_1LA3_5011_2plusPL_AF_TOP-SPACER_ROT
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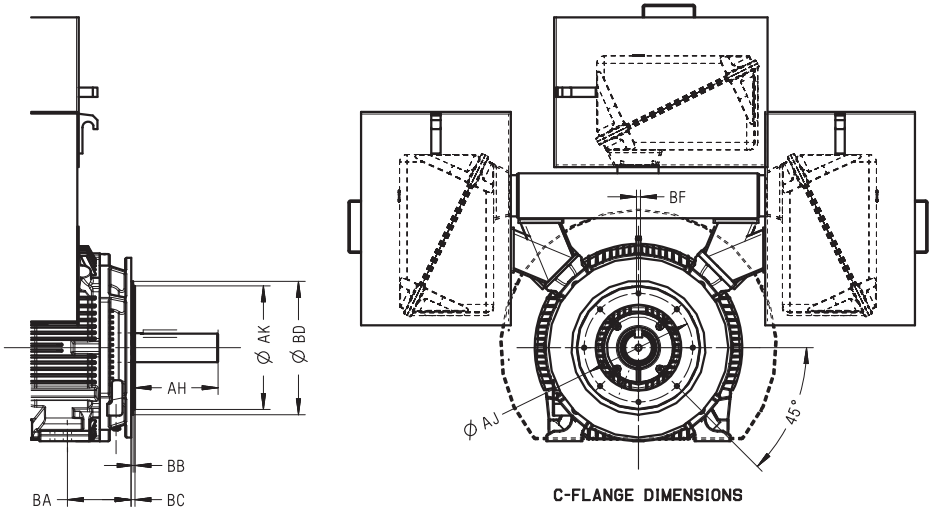
10/02/20

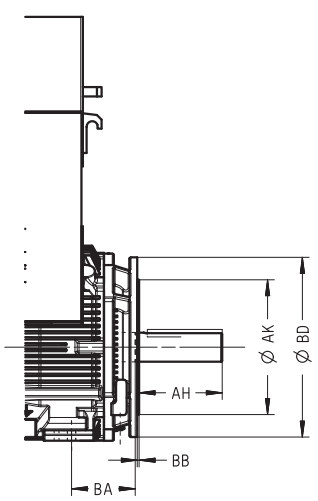
SIEMENS

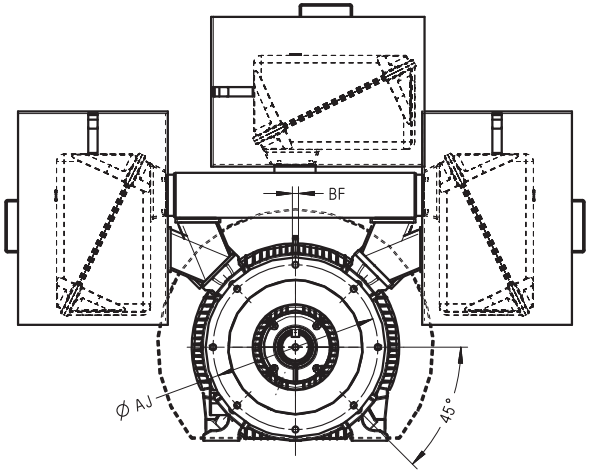
Dimension Prints for AboveNEMA Motors

Type 1LA3 – Horizontal – TEFC / Totally Enclosed Fan Cooled
Anti–Friction Bearing – Direct Connected
Frame 5011 – 2 Pole & Slower – Rotatable Main Conduit Box with Optional Top–Mount Spacer



C-FLANGE DIMENSIONS





D-FLANGE DIMENSIONS

Notes:

1. The main conduit box may be rotated in steps of 90°.
   A spacer is supplied for all rotatable conduit boxes.
   A removable bottom plate is supplied on the FS1.5 conduit box.
   A 5.0 N.P.T. is supplied on the CI2 conduit box.
2. C = Length of motor from drive end of shaft to end of standard fan housing.
3. C* = Length of motor from drive end of shaft to end of low noise fan housing
4. V = (N–W)–0.25" = length of shaft available for coupling.
5. 2 Pole machines may rotate in one direction only.
6. Shims may be necessary under motor feet for direct connection.
7. 2 Pole machines are for direct connection. 4 Pole and slower machines may be either belt drive or direct connection depending upon the bearing installed in the motor.
8. Adding a ground brush increases BA and decreases N–W by:
   4 Pole +: 0.20"
9. Ground brush not available with C & D flange motors.

Mounting	Frame	Speed	BA	AJ	AK	BD	BF	BB	BC	AH
C–Flange	5011	4 Pole +	8.50	14.50	16.50	17.91	5/8–11 UNC	0.25	0.52	11.10
D–Flange	5011	4 Pole +	8.50	22	18	24	0.812	0.25	N/A	11.10

Certification: Customer _____ P.O. _____ S.O. _____ Item _____

HP _____ RPM _____ Frame _____ PH/HZ/Volts 3/_____/_____ Terminal Box Size CI2☐ FS1.5☐

Customer Tag # _____ By _____ Date _____

Comments _____

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