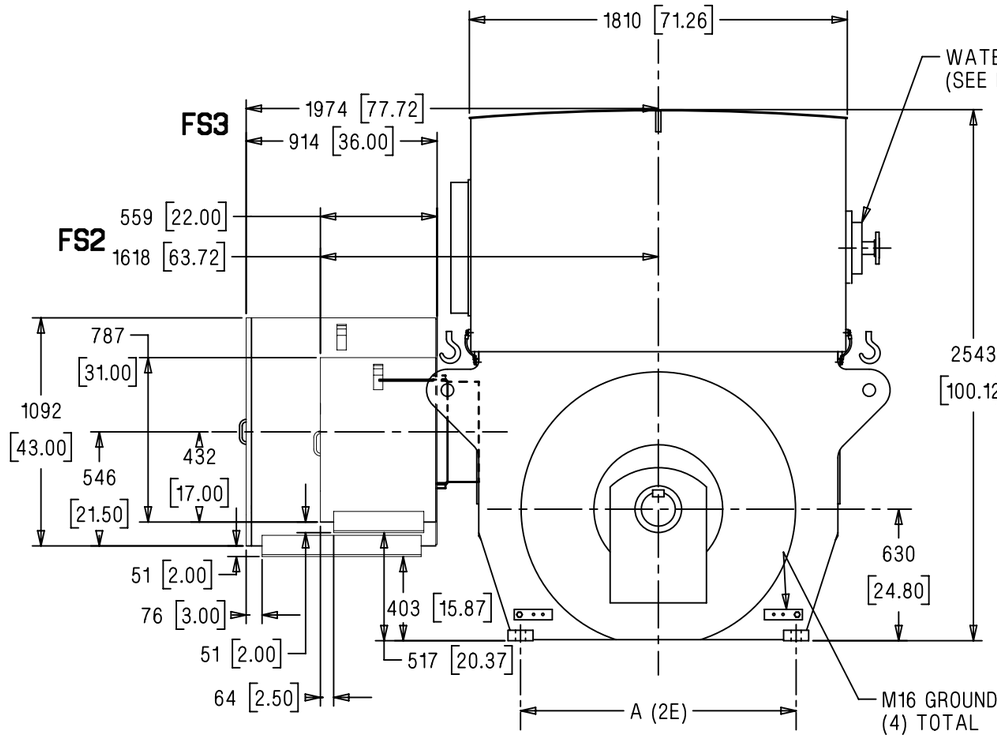
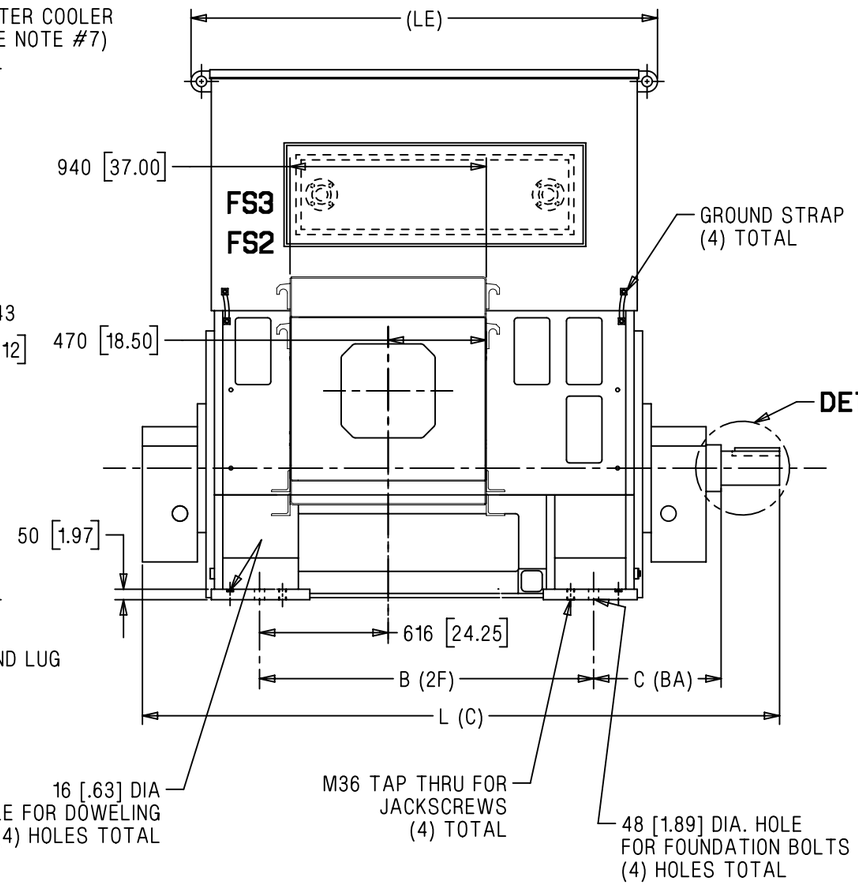
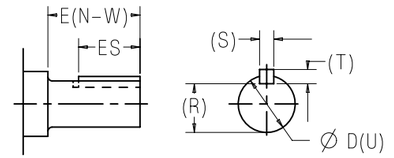
SIEMENS

Dimension Prints for 630 Frame Global Motors

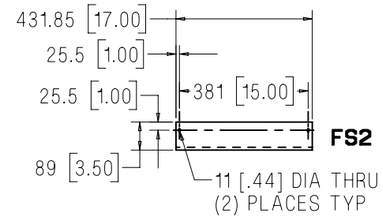
Type IRN4 – Horizontal – TEWAC / Totally Enclosed Water to Air Cooled
Sleeve Bearing – Direct Connected
Frames 630/2/4/6 – Free Standing Main Conduit Box

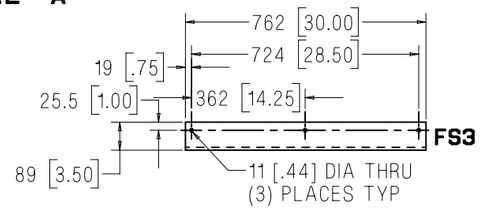






DETAIL "A"





BOX FEET DIMENSIONS

Lubrication Per Bearing	
2 Pole	4 Pole
140–160 SUS @ 100°F	140–160 SUS @ 100°F
8L [8.45 qt.] capacity	13L [13.74 qt.] capacity

Standard Dimensions in Millimeters (Inches)

SHAFT DIA	TOLERANCE
150 (5.91)	+0.033 (+0.0013)
160 (6.30)	+0.015 (+0.0006)
200 (7.87)	+0.037 (+0.0015)
220 (8.66)	+0.017 (+0.0007)

Notes:

1. The FS2 and FS3 conduit boxes are free standing and must be supported from below by the customer. A removable bottom plate is supplied on the FS2 and FS3 conduit boxes.
2. L (C) = Length of motor from drive end of shaft to end of non–drive end of motor.
3. Machines operate in one direction only.
4. Shims may be necessary under motor feet for direct connection.
5. The standard shaft seal is rated IP55.
6. The dimensions are valid with or without standard shaft proximity probes.
7. The water cooler inlet and outlet is always located opposite main terminal box.

Standard Dimensions in Millimeters (Inches) *IEC Designations (NEMA)

		A	B	C	L	–	E	–	–	–	D	–	
Frame	**Speed**	**(2E)**	**(2F)**	**(BA)**	**(C)**	**(LE)**	**(N–W)**	**(R)**	**(S)**	**(T)**	**(U)**	**(ES)**	**Approx. Max Wt. kgs (lbs)**
630/2	2 Pole	1320 (51.96)	1600 (62.99)	560 (22.05)	2820 (111.02)	2322 (91.42)	200 (7.87)	138 (5.43)	36 (1.42)	20 (0.79)	150 (5.91)	167 (6.57)	13500 (29800 lbs)
630/2	4 Pole	1320 (51.96)	1600 (62.99)	600 (23.62)	2970 (116.93)	2322 (91.42)	280 (11.02)	185 (7.28)	45 (1.77)	25 (0.98)	200 (7.87)	232.5 (9.15)	14050 (31000 lbs)
634/6	2 Pole	1320 (51.96)	1800 (70.87)	560 (22.05)	3100 (122.05)	2562 (100.87)	240 (9.45)	147 (5.79)	40 (1.57)	22 (0.87)	160 (6.30)	205 (8.07)	15450 (34100 lbs)
634/6	4 Pole	1320 (51.96)	1800 (70.87)	600 (23.62)	3210 (126.38)	2562 (100.87)	280 (11.02)	203 (7.99)	50 (1.97)	28 (1.10)	220 (8.66)	230 (9.06)	16000 (35300 lbs)

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

HP _____ RPM _____ Frame _____ PH/HZ/Volts 3/_____/_____ Terminal Box Size FS2☐ FS3☐

Customer Tag # _____ By _____ Date _____

Comments _____

Not for construction, installation or application purposes unless certified.

A5E31870918A
TEWAC_630_2-4PL_SLV_FS
Revision AB
7–26–13