

# NEMA Premium Efficiency Rolled Steel 3-Phase ODP Motors 1/4HP thru 15HP

## -48 thru 215T

### FEATURES

- 208–230/460V/60Hz
- NEMA Service Factor 1.15
- Continuous Duty 40°C Ambient
- Class F Insulation With Class B Temp Rise
- High Efficiency
- NEMA Design B
- Ball Bearings
- Rolled Steel Construction
- Stainless Steel Nameplate

### APPLICATIONS

- Pumps
- Compressors
- Fans
- Conveyors
- Machine Tools
- Three Phase or Other General Purpose Applications

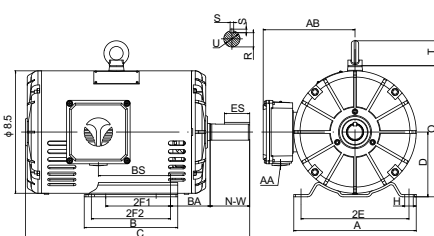


Figure 1 48 thru 210T (Foot Mounting)

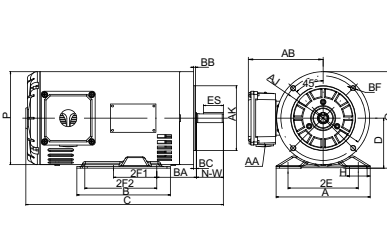


Figure 2 48 thru 140T(C- Face)

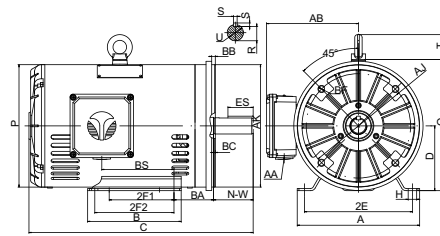


Figure 3 180T, 210T(C- Face)

## Overall & Installation Dimensions

Frame	Foot Mounting								Shaft					General					Bearings		C-Face				
	A	B	D	2E	2F1	2F2	BA	H	U	N-W	R	ES	S	AA	AB	O	T	P	DE	NDE	AJ	AK	BB	BC	BF
48	5.69	3.94	3.0	4.24	2.75	2.50	1.05×0.34	0.50	1.50	0.453				1/2-14NPT	4.77	5.83		6.42	6203	6202	3.750	3.0	0.16	-0.19	4×1/4-20UNC
56	6.54	4.02	3.5	4.88	3	2.75	1.22×0.34	0.625	1.875	0.517	1.375	0.1875		1/2-14NPT	4.77	6.33		5.67	6204	6203	5.875	4.5	0.16	-0.19	4×3/8-16UNC
56H	6.54	6.5	3.5	4.88	3	5	2.75	1.22×0.34	0.625	1.875	0.517	1.375	0.1875	1/2-14NPT	5.2	6.75		6.46	6205	6203	5.875	4.5	0.16	-0.19	4×3/8-16UNC
140T	6.55	5.9	3.5	5.5	4	5	2.25	0.5×0.35	0.875	2.25	0.771	1.375	0.1875	3/4-14NPT	5.2	6.75		6.46	6205	6203	5.875	4.5	0.16	0.12	4×3/8-16UNC
180T	8.5	6.5	4.5	7.5	4.5	5.5	2.75	0.59×0.433	1.125	2.75	0.986	1.75	0.25	3/4-14NPT	6.4	9.1	1.75	8.5	6206	6205	7.25	8.5	0.25	0.12	4×1/2-13UNC
210T	10.5	8.5	5.25	8.5	5.5	7	3.5	0.56×0.433	1.375	3.375	1.201	2.41	0.312	1-11 1/2NPT	7.15	10.65	1.75	10.05	6208	6206	7.25	8.5	0.25	0.25	4×1/2-13UNC



# Three-Phase Rolled Steel Frame ODP Motors Technical Data

HP	Full Load Speed, RPM	Frame Size	EFF. 100% FL	Power Factor 100% FL	IFL 460V A	Full Load Torque Lb-Ft	Moment Of Inertia Lb-Ft Squared	Locked Rotor		TST TFL	TPU TFL	TM TFL	Service Factor	Dim "C"
								KVA Code	II/In					
1/4	3450	48	65.6	70.0	0.51	0.38	0.0064	M	6.60	2.8	2.2	3.4	1.25	10.2
		56												10.6
	1740	48	69.5	62.0	0.54	0.76	0.0216	L	5.70	2.9	2.4	3.7	1.25	10.2
		56												10.6
	1150	56	67.5	59.0	0.59	1.14	0.0484	L	5.00	2.1	1.8	3.3	1.25	12.2
1/3	3450	48	69.5	70.0	0.64	0.51	0.0069	M	6.70	2.7	2	3.3	1.25	11.0
		56												11.4
	1740	48	73.4	64.0	0.66	1.00	0.0261	L	6.20	3.2	2.7	3.7	1.25	11.0
		56												11.4
	1150	56	71.4	60.0	0.73	1.51	0.0586	L	5.20	2.1	1.8	3.3	1.25	12.2
1/2	3450	48	73.4	72.0	0.88	0.76	0.0079	L	6.90	2.6	2	3.3	1.25	11.0
		56												11.4
	1740	48	78.2	66.0	0.91	1.51	0.0327	L	6.40	3.1	2.6	3.5	1.25	11.0
		56												11.4
	1150	56	75.3	63.0	0.99	2.28	0.0785	K	5.20	2.1	1.9	3.3	1.25	13.0
3/4	3450	48	76.8	75.0	1.22	1.14	0.0092	L	7.00	2.6	2	3	1.25	11.8
		56												12.2
	1740	48	81.1	68.0	1.28	2.27	0.0451	L	7.00	3.2	2.5	3.4	1.25	11.8
		56												12.2
	1150	56	81.7	65.0	1.33	3.43	0.0785	J	5.30	2.1	2	3	1.25	13.0
1	3450	56H	81.0	78.0	1.48	1.52	0.0304	K	7.3	3.5	3.1	4.25	1.25	12.9
		140T												13.3
	1740	56H	85.5	70.0	1.56	3.02	0.1023	N	9.6	4.2	3.3	5.2	1.25	13.7
		140T												14.1
	1150	56H	82.5	66.0	1.72	4.57	0.0885	J	5.3	2.2	2	2.95	1.25	13.7
		140T												14.1
1.5	3500	56H	84.0	82.0	2.04	2.25	0.0356	L	8.5	2.75	2.4	3.75	1.25	12.9
		140T												13.3
	1740	56H	86.5	75.0	2.17	4.53	0.1210	M	9.0	3.4	2.9	4.35	1.25	14.3
		140T												14.7
	1165	180T	86.5	71.0	2.28	6.77	0.3583	J	6.5	1.85	1.25	2.9	1.25	14.8
2	3500	56H	85.5	83.0	2.64	3.00	0.0420	K	8.5	2.8	2.4	3.75	1.25	12.9
		140T												13.3
	1740	56H	86.5	79.0	2.74	6.04	0.1424	L	8.5	3.25	2.9	4.0	1.25	15.1
		140T												15.5
	1165	180T	87.5	72.0	2.97	9.02	0.4176	J	6.2	1.8	1.2	2.8	1.25	14.8
3	3500	56H	86.5	86.0	3.78	4.50	0.0558	K	8.9	2.85	2.15	3.7	1.25	13.7
		140T												14.1
		1755	180T	89.5	82.0	3.83	8.98	0.3370	K	8.3	2.35	1.7	3.35	1.25
	1170	210T	88.5	74.0	4.29	13.47	0.7689	J	6.6	1.9	1.5	2.8	1.25	17.2
5	3510	180T	87.5	90.0	5.95	7.49	0.1637	J	7.7	1.9	1.4	3.0	1.25	14.8
	1755	180T	89.5	84.0	6.25	14.97	0.4034	J	7.7	2.2	1.8	3.1	1.25	15.6
	1170	210T	89.5	75.0	7.00	22.46	1.0417	H	6.5	2	1.3	2.6	1.25	18.0
7.5	3510	180T	88.5	91.0	8.70	11.23	0.2017	J	8.1	2.2	1.5	3.0	1.25	15.6
	1755	210T	91.0	85.0	9.10	22.46	0.7665	K	8.4	2.3	1.6	3.15	1.25	18.0
10	3520	210T	89.5	91.5	11.5	14.93	0.4509	J	8.3	2.15	1.35	2.85	1.25	18.0
	1755	210T	91.7	85.0	12.0	29.94	0.8756	K	8.7	2.3	1.5	3.2	1.25	18.8
15	3530	210T	90.2	91.5	17.1	22.33	0.5695	J	8.1	1.9	1.2	2.8	1.25	18.8

IEC MOTOR

FIRE PUMP MOTOR

GOST MOTOR

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DC MOTOR

EC MOTOR