

SEVERE DUTY METAL FINISHING MOTORS MADE FOR YOU



1-250 HP 3600RPM & 1800RPM 3PH TEFC 60 Hz NEMA AC Foot Mounted or Footless, D-Flange & C-Face Motors Available

- Labyrinth Seal 1045 Hardened Steel
- Ultra-strong double-shielded oversized ball bearings on both ends
- High temperature grease
- Precision Balanced G 1.0 Class
- Reduced vibration level below 0.04 in/sec
- IP55 water-tight and dust-proof TEFC enclosure
- Junction box rotatable every 90 degrees
- Designed for horizontal and vertical application
- 230/460V rated
- Vacuum pressure impregnation moisture-resistant tropicalized windings
- High temperature protected Class H resin
- Temperature Class 200 double layer wire
- Inverter duty rated 10:1CT and 20:1VT
- Thermally protected: PTC140 built in
- CSA-US certified, DOE approved, CE and NEMA Premium marked
- Made in Poland
- 3-year warranty

Optional features:

- Special shafts including tapped shafts
- M8 hole for DE bearing vibration sensor
- Potted leads with terminal rings
- 575V and other ratings available

OEMs take note:
full export
re-rate-ability!
dozens of
voltages/hz available!



CALL NOW



Find Your Motor

Elektrim Motors
1270 Abbott Drive
Elgin, IL 60123
847-524-1074
www.elektrimmotors.com

BUILT TO PERFORM WHERE OTHERS FAIL

Severe Duty Metal Finishing Motors – 1-250 HP

Applications: Ideal for hard-wearing metal finishing applications such as blast wheels in shot blast equipment, tumble blast machines, drum blast systems, continuous blast systems, table machines, hanger type machines, horizontal belt machines, roller conveyor machines, wire belt machines, and more.

HP	RPM	Frame	Torque			FLA			LRA		Efficiency			Power Factor			NEMA Design	Code	SF	WK ² lb ft ²	lbs
			FLT lb-ft	LRT %	BDT %	460V	575V	208V	460V	575V	FL	75%	50%	FL	75%	50%					
1	1765	143T	3	300	320	1.4	1.1	3.1	12.9	10.3	85.5	84.5	81.3	78	70	57	B	M	1.4	0.09	53
	3540	143T	2.2	350	410	2.1	1.7	4.6	20	16	84.5	83.2	79.8	78	69	57	B	M	1.4	0.07	56
1.5	1750	145T	4.5	300	400	2	1.6	4.4	16.6	13.3	87	86.8	85	79	72	59	B	K	1.4	0.1	57
	3525	145T	3	360	400	2.7	2.2	6.0	25.4	20.3	86	85.7	83.3	82	75	62	B	L	1.4	0.08	57
2	1745	145T	6	260	340	2.6	2.1	5.8	19.2	15.4	86.5	87.1	85.8	83	77	64	B	J	1.4	0.13	59
	3500	182T	4.5	310	320	4	3.2	8.8	32	25.6	86.5	86.4	84.4	82	76	65	B	K	1.4	0.12	76
3	1775	182T	8.9	320	400	4.2	3.4	9.3	38	30.4	89.5	88.5	85.8	75	67	54	A	M	1.4	0.27	102
	3535	184T	7.4	450	530	6.2	5.0	13.7	73	58.4	89	88.6	86.7	85	80	68	A	N	1.4	0.2	102
5	1770	184T	14.8	300	380	6.7	5.4	14.8	61	48.8	89.5	89.2	87.6	78	71	58	A	L	1.3	0.34	108
	3525	213T	11.2	290	315	8.5	6.8	18.8	76	60.8	90	90	88.7	92	89	81	A	K	1.3	0.45	159
7.5	1765	213T	22.3	240	290	9.3	7.4	20.6	71	56.8	91.7	91.6	90.5	82	78	67	A	J	1.3	0.87	167
	3535	215T	14.8	300	335	11.4	9.1	25.2	93	74.4	90.2	90.4	89.3	91	88	80	A	J	1.3	0.5	173
10	1770	215T	29.6	230	280	12.5	10.0	27.6	87	69.6	91.7	91.7	90.4	82	77	66	A	H	1.3	0.99	185
	3540	254T	22.3	240	250	17.6	14.1	38.9	112	90	91.7	91.8	90.5	87	85	77	B	G	1.3	1.15	258
15	1775	254T	44.3	380	440	17.3	13.8	38.3	168	134.4	92.4	92	90.7	88	84	76	A	K	1.3	2.89	301
	3540	256T	29.7	230	260	22.9	18.3	50.6	138	110	92	92.4	91.7	89	88	82	B	F	1.3	1.47	306
20	1775	256T	59.1	380	450	22.9	18.3	50.6	230	184	93	92.7	91.4	88	84	76	A	L	1.2	3.57	390
	3555	284TS	36.9	260	300	29.5	23.6	65.2	205	164	92.4	92.4	91.3	86	82	74	A	H	1.2	1.72	348
25	1780	284T	73.7	380	420	30.5	24.4	67.5	300	240	93.6	93.1	91.6	82	76	66	A	L	1.2	3.59	397
	3540	286TS	44.5	250	300	35.2	28.2	77.8	215	172	91.7	92	91.2	87	85	80	A	G	1.2	1.92	390
30	1780	286T	88.4	370	390	37.5	30.0	82.9	350	280	93.6	93	91.3	80	73	61	A	L	1.2	3.84	441
	3552	324TS	59	145	200	44	35	97.3	290	232	93	93.6	93.3	92	91	88	B	G	1.2	4	608
40	1780	324T	118	240	270	45	36	99.5	290	232	94.1	94.7	94.3	88	86	78	B	G	1.3	9.3	690
	3552	326TS	74	145	200	55	44	121.6	362	290	93	93.7	93.5	92	92	89	B	G	1.2	4.7	655
50	1781	326T	148	250	270	56	45	123.8	362	290	94.5	95.1	94.9	88	85	78	B	G	1.3	11.6	769
	3562	364TS	88.5	125	200	65	52	143.8	435	348	93.6	94.1	93.8	92	91	87	B	G	1.2	6.5	860
60	1786	364T	177	140	200	67	54	148.2	435	348	95	95.6	95.3	88	87	80	B	G	1.2	15.5	926
	3560	365TS	111	120	200	81	65	179.1	542	434	94.1	94.8	94.7	92	91	89	B	G	1.2	7.9	933
75	1787	365T	221	150	210	84	67	185.8	542	434	95.4	95.8	95.5	88	86	80	B	G	1.2	17.8	1012
	3565	405TS	147	170	240	109	87	241.1	725	580	95.4	95.6	95.3	90	88	83	B	G	1.2	10	1058
100	1785	405T	294	220	230	108	86	238.8	790	632	95.4	95.9	95.7	91	89	84	B	G	1.2	29.8	1241
	3578	444TS	184	140	260	133	106	—	950	760	95.4	95.7	95.5	92	90	86	B	G	1.2	22.5	1488
125	1788	444T	367	175	210	136	109	—	907	726	95.8	96.2	96.1	90	89	85	B	G	1.2	42.9	1662
	3578	445TS	220	160	270	159	127	—	1180	944	95.8	96.1	96	92	91	86	B	G	1.2	28.4	1594
150	1788	445T	441	180	200	161	129	—	1085	868	95.8	96.2	96.1	91	90	86	B	G	1.2	52.7	1823
	3578	447TS	294	150	250	210	168	—	1500	1200	95.8	96.2	96.1	93	92	88	B	G	1.2	29.1	2161
200	1790	447T	587	170	200	218	174	—	1550	1240	96.5	96.7	96.2	89	87	81	B	G	1.2	68	2310
	3579	447TS	367	180	270	261	209	—	1900	1520	96.2	96.6	96.5	93	92	89	B	G	1.2	36.9	2271
250	1788	447T	735	160	200	267	214	—	1825	1460	96.2	96.6	96.5	91	9	85	B	G	1.2	81.5	2447

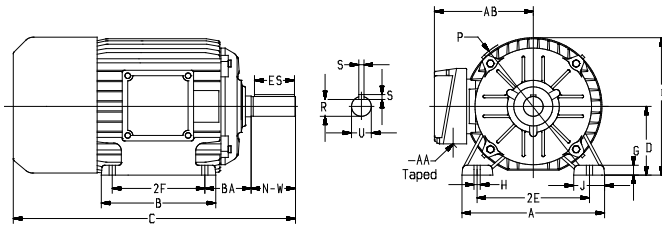
Ultra-Strong Oversized Bearings

Did You Know? Across all industries and manufacturers, bearing failures are the most common cause for electric motor downtime, repair and replacement costs.

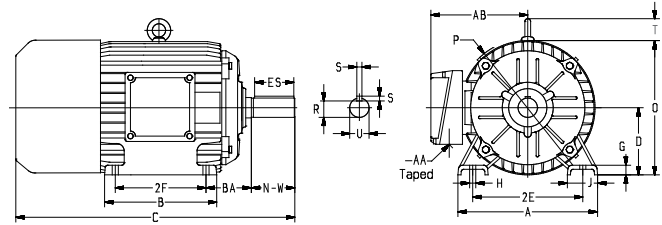
Solution: Elektrim Motors ultra-strong oversized ball bearings on both ends for added strength and durability at no additional cost.



143T-145T



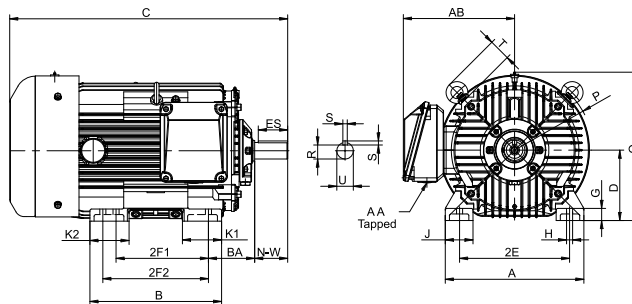
182T-286TS



Frame	# of Poles	Mounting Dimensions												Overall Dimensions									
		A	B	D	2E	2F	H	R	U	N-W	AA	BA	ES	C	G	J	O	P	S	T	AB	Bearings	
143T	2,4,6	6.62	5.83	3.5	5.5	4	0.34	0.771	0.875	2.25	3/4	2.25	1.52	14.2	0.39	1.66	7.48	8.27	0.188	-	6.5	6205 2Z	
145T	2,4,6	6.62	7	3.5	5.5	5	0.34	0.771	0.875	2.25	3/4	2.25	1.52	15.15	0.39	1.66	7.48	8.27	0.188	-	6.5	6205 2Z	
182T	2,4,6	9	8.31	4.5	7.5	4.5	0.41	0.986	1.125	2.75	1	2.75	1.94	17.7	0.6	2.13	9.09	9.53	0.25	1.77	7.9	6306 2Z	
184T	2,4,6	9	8.31	4.5	7.5	5.5	0.41	0.986	1.125	2.75	1	2.75	1.94	17.7	0.6	2.13	9.09	9.53	0.25	1.77	7.9	6306 2Z	
213T	2,4,6	10.24	8.7	5.25	8.5	5.5	0.41	1.201	1.375	3.38	1	3.5	2.55	22.25	0.67	2.2	10.96	11.61	0.312	2.08	8.92	6308/6 2Z	
215T	2,4,6	10.24	10.28	5.25	8.5	7	0.41	1.201	1.375	3.38	1	3.5	2.55	22.88	0.67	2.2	10.96	11.61	0.312	2.08	8.92	6308/6 2Z	
254T	2,4,6	12.28	9.92	6.25	10	8.25	0.55	1.416	1.625	4	1 1/4	4.25	3.11	25.83	0.58	2.36	13.18	14.17	0.375	2.08	10.08	6309 2Z	
256T	2,4,6	12.28	11.65	6.25	10	10	0.55	1.416	1.625	4	1 1/4	4.25	3.11	27.6	0.58	2.36	13.18	14.17	0.375	2.08	10.08	6309 2Z	
284T	4,6	13.78	13.11	7	11	9.5	0.55	1.591	1.875	4.62	1 1/2	4.75	3.53	31.16	0.89	2.75	14.01	14.17	0.5	2.08	10.34	6311 2Z	
284TS	2	13.78	13.11	7	11	9.5	0.55	1.416	1.625	3.25	1 1/2	4.75	2.1	27.2	0.89	2.75	14.01	14.17	0.375	2.08	10.34	6311 2Z	
286T	4,6	13.78	13.11	7	11	11	0.55	1.591	1.875	4.62	1 1/2	4.75	3.53	31.16	0.89	2.75	14.01	14.17	0.5	2.08	10.34	6311 2Z	
286TS	2	13.78	13.11	7	11	11	0.55	1.416	1.625	3.25	1 1/2	4.75	2.1	27.2	0.89	2.75	14.01	14.17	0.375	2.08	10.34	6311 2Z	

Dimensions in inches

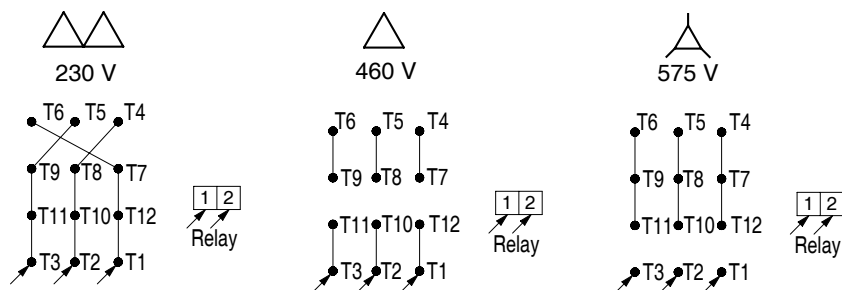
324TS-447T



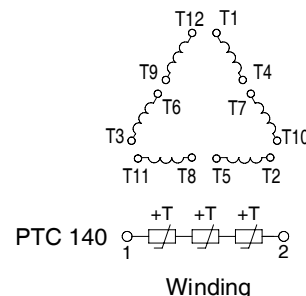
Frame	# of Poles	Mounting Dimensions												Overall Dimensions											
		D	2E	2F1	2F2	G	H	Shaft End						A	AA	AB	B	C	J	K1	K2	O	P	T	Bearings
								BA	ES	N-W	R	S	U												
324TS	2	8	12.5	10.5	12	1.38	0.66	5.25	2.75	3.75	1.591	0.5	1.875	15.8	2	13	15	31.6	3.15	4.45	4.45	16.9	17.9	2.5	6312C3
324T	4,6	8	12.5	10.5	12	1.38	0.66	5.25	4.33	5.25	1.845	0.5	2.125	15.8	2	13	15	33.1	3.15	4.45	4.45	16.9	17.9	2.5	6312C3
326TS	2	8	12.5	10.5	12	1.38	0.66	5.25	2.75	3.75	1.591	0.5	1.875	15.8	2	13	15	31.6	3.15	4.45	4.45	16.9	17.9	2.5	6312C3
326T	4,6	8	12.5	10.5	12	1.38	0.66	5.25	4.33	5.25	1.845	0.5	2.125	15.8	2	13	15	33.1	3.15	4.45	4.45	16.9	17.9	2.5	6312C3
364TS	2	9	14	11.25	12.25	1.49	0.66	5.88	2.75	3.75	1.591	0.5	1.875	17.5	3	14.2	15	33.6	3.35	4.53	4.53	18.8	19.9	2.5	6313C3
364T	4,6	9	14	11.25	12.25	1.49	0.66	5.88	4.92	5.88	2.021	0.625	2.375	17.5	3	14.2	15	35.7	3.35	4.53	4.53	18.8	19.9	2.5	6313C3
365TS	2	9	14	11.25	12.25	1.49	0.66	5.88	2.75	3.75	1.591	0.5	1.875	17.5	3	14.2	15	33.6	3.35	4.53	4.53	18.8	19.9	2.5	6313C3
365T	4,6	9	14	11.25	12.25	1.49	0.66	5.88	4.92	5.88	2.021	0.625	2.375	17.5	3	14.2	15	35.7	3.35	4.53	4.53	18.8	19.9	2.5	6313C3
404T	6	10	16	12.25	13.75	1.57	0.81	6.62	6.3	7.25	2.45	0.75	2.875	18.9	3	15.5	17.6	40.4	3.54	5.32	5.32	20.8	21.3	2.95	6315C3
405TS	2	10	16	12.25	13.75	1.57	0.81	6.62	3.5	4.25	1.845	0.5	2.125	18.9	3	15.5	17.6	37.4	3.54	5.32	5.32	20.8	21.3	2.95	6315C3
405T	4,6	10	16	12.25	13.75	1.57	0.81	6.62	6.3	7.25	2.45	0.75	2.875	18.9	3	15.5	17.6	40.4	3.54	5.32	5.32	20.8	21.3	2.95	6315C3
444TS	2	11	18	14.5	16.5	1.57	0.81	7.5	4.3	4.75	2.021	0.625	2.375	21.7	2x3	17.6	20.5	42	4.15	5.12	6.5	23.4	24.4	3.75	6315C3
444T	4,6	11	18	14.5	16.5	1.57	0.81	7.5	7.9	8.5	2.88	0.875	3.375	21.7	2x3	17.6	20.5	45.7	4.15	5.12	6.5	23.4	24.4	3.75	6318C3
445TS	2	11	18	14.5	16.5	1.57	0.81	7.5	4.3	4.75	2.021	0.625	2.375	21.7	2x3	17.6	20.5	42	4.15	5.12	6.5	23.4	24.4	3.75	6315C3
445T	4,6	11	18	14.5	16.5	1.57	0.81	7.5	7.9	8.5	2.88	0.875	3.375	21.7	2x3	17.6	20.5	45.7	4.15	5.12	6.5	23.4	24.4	3.75	6318C3
447TS	2	11	18	20	—	1.654	0.81	7.5	4.3	4.75	2.021	0.625	2.375	22.1	2x3	19.5	24	46.3	4.18	6.8	6.8	23.4	24.4	3.75	6315C3
447T	4,6	11	18	20	—	1.654	0.81	7.5	7.9	8.5	2.88	0.875	3.375	22.1	2x3	19.5	24	50	4.18	6.8	6.8	23.4	24.4	3.75	6318C3

Dimensions in inches

Wiring Diagram — Power



Wiring Diagram — Thermal Protection



RE-RATEABLE TO DOZENS OF VOLTAGES

Because your motor should be able to do what you need, wherever and whenever you need it.

60 Hz		50 Hz	
208V		190V	415V
230V		200V	420V
380V		220V	440V
400V		230V	500V
460V		240V	525V
480V		250V	660V
575V		380V	690V
600V		400V	720V
796V			

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