



# Elektrim NEMA Premium<sup>®</sup> Severe Duty Motors

**Extra Strong Super Resilient Performance in Tough Applications and Environments**

1-250 HP 3PH TEFC 60 Hz NEMA AC Foot Mounted and C-Face Motors

## Features

- Ultra-strong oversized ball bearings on both ends for extra strength and durability
- High starting torque
- High service factor up to 1.4
- IP55 water-tight and dust-proof TEFC enclosure
- Moisture resistant tropicalization
- High temperature protected Class H wiring
- Cast iron construction including junction box, end brackets and fan guard (double gauge reinforced steel fan guard 320T and up for reduced weight and increased air flow)
- Vacuum pressure impregnation for the most dependable failsafe electrical performance
- Low vibration level (below 0.08 in/sec)
- Inverter duty rated 10:1CT and 20:1VT
- V- Ring up to 286T, **Labyrinth seal 324T and up**
- High temperature grease
- 213T and larger suitable for wye/delta starting
- Designed for horizontal and vertical application
- CSA-US certified, DOE approved, CE and NEMA Premium marked
- 3-Year warranty

## Applications

Ideal for hard-wearing applications in petrochemical plants, refineries, tropical climates, mines, foundries, pulp and paper mills, waste management facilities, quarries and processing factories.

**NEMA  
Premium**



# Foot Mounted and C-Face NEMA Premium® Severe Duty Motors

Footed Part Number	List Price	C-Face Part Number	List Price	HP	RPM	Frame	Torque			FLA			LRA		EFF	Power Factor			Design	Code	SF
							FLT lb-ft	LRT %	BDT %	460V	575V	208V	460V	575V		FL	FL	75%			
60NFS-3-1-18	\$737	60NCS-3-1-18	\$804	1	1765	143T/TC	3	300	320	1.4	1.1	3.1	12.9	10.3	85.5	78	70	57	B	M	1.4
60NFS-3-1-12	\$826	60NCS-3-1-12	\$901		1160	145T/TC	4.5	240	300	1.7	1.4	3.8	10	8	82.5	68	59	46	B	K	1.4
60NFS-3-1.5-36	\$744	60NCS-3-1.5-36	\$811	1.5	3540	143T/TC	2.2	350	410	2.1	1.7	4.6	20	16	84.5	78	69	57	B	M	1.4
60NFS-3-1.5-18	\$785	60NCS-3-1.5-18	\$856		1750	145T/TC	4.5	300	400	2	1.6	4.4	16.6	13.3	87	79	72	59	B	K	1.4
60NFS-3-1.5-12	\$906	60NCS-3-1.5-12	\$988		1170	182T/TC	6.7	190	280	2.4	1.9	5.3	14	11.2	87.5	68	59	47	B	J	1.4
60NFS-3-2-36	\$786	60NCS-3-2-36	\$857	2	3525	145T/TC	3	360	400	2.7	2.2	6.0	25.4	20.3	86	82	75	62	B	L	1.4
60NFS-3-2-18	\$839	60NCS-3-2-18	\$915		1745	145T/TC	6	260	340	2.6	2.1	5.8	19.2	15.4	86.5	83	77	64	B	J	1.4
60NFS-3-2-12	\$942	60NCS-3-2-12	\$1,027		1170	184T/TC	9	200	300	3	2.4	6.6	25	20	88.5	72	64	51	B	L	1.4
60NFS-3-3-36	\$867	60NCS-3-3-36	\$946	3	3500	182T/TC	4.5	310	320	4	3.2	8.8	32	25.6	86.5	82	76	65	B	K	1.4
60NFS-3-3-18	\$852	60NCS-3-3-18	\$929		1775	182T/TC	8.9	320	400	4.2	3.4	9.3	38	30.4	89.5	75	67	54	A	M	1.4
60NFS-3-3-12	\$1,210	60NCS-3-3-12	\$1,319		1165	213T/TC	13.5	260	360	4.2	3.4	9.3	32	25.6	89.5	74	68	56	B	K	1.4
60NFS-3-5-36	\$1,008	60NCS-3-5-36	\$1,099	5	3535	184T/TC	7.4	450	530	6.2	5.0	13.7	73	58.4	89	85	80	68	A	N	1.4
60NFS-3-5-18	\$990	60NCS-3-5-18	\$1,080		1770	184T/TC	14.8	300	380	6.7	5.4	14.8	61	48.8	89.5	78	71	58	A	L	1.3
60NFS-3-5-12	\$1,646	60NCS-3-5-12	\$1,795		1170	215T/TC	22.4	250	350	7	5.6	15.5	46	36.8	89.5	75	69	57	B	J	1.3
60NFS-3-7.5-36	\$1,386	60NCS-3-7.5-36	\$1,511	7.5	3525	213T/TC	11.2	290	315	8.5	6.8	18.8	76	60.8	90	92	89	81	A	K	1.3
60NFS-3-7.5-18	\$1,383	60NCS-3-7.5-18	\$1,508		1765	213T/TC	22.3	240	290	9.3	7.4	20.6	71	56.8	91.7	82	78	67	A	J	1.3
60NFS-3-7.5-12	\$2,132	60NCS-3-7.5-12	\$2,324		1185	254T/TC	33.2	320	350	10.4	8.3	23.0	77.5	62	91	74	67	54	A	K	1.3
60NFS-3-10-36	\$1,590	60NCS-3-10-36	\$1,734	10	3535	215T/TC	14.8	300	335	11.4	9.1	25.2	93	74.4	90.2	91	88	80	A	J	1.3
60NFS-3-10-18	\$1,582	60NCS-3-10-18	\$1,725		1770	215T/TC	29.6	230	280	12.5	10.0	27.6	87	69.6	91.7	82	77	66	A	H	1.3
60NFS-3-10-12	\$2,563	60NCS-3-10-12	\$2,794		1180	256T/TC	44.5	290	330	13.4	10.7	29.6	94	75.2	91	77	70	58	A	J	1.3
60NFS-3-15-36	\$2,038	60NCS-3-15-36	\$2,222	15	3540	254T/TC	22.3	240	250	17.6	14.1	38.9	112	90	91.7	87	85	77	B	G	1.3
60NFS-3-15-18	\$2,025	60NCS-3-15-18	\$2,208		1775	254T/TC	44.3	380	440	17.3	13.8	38.3	168	134.4	92.4	88	84	76	A	K	1.3
60NFS-3-15-12	\$3,397	60NCS-3-15-12	\$3,703		1185	284T/TC	66.4	470	380	19.5	15.6	43.1	180	144	91.7	79	73	61	A	L	1.3
60NFS-3-20-36	\$2,422	60NCS-3-20-36	\$2,640	20	3540	256T/TC	29.7	230	260	22.9	18.3	50.6	138	110	92	89	88	82	B	F	1.3
60NFS-3-20-18	\$2,380	60NCS-3-20-18	\$2,595		1775	256T/TC	59.1	380	450	22.9	18.3	50.6	230	184	93	88	84	76	A	L	1.2
60NFS-3-20-12	\$4,137	60NCS-3-20-12	\$4,510		1185	286T/TC	88.5	380	320	25.5	20.4	56.4	221	177	91.7	80	74	63	A	L	1.2
60NFS-3-25-36	\$2,889	60NCS-3-25-36	\$3,150	25	3555	284T/TC	36.9	260	300	29.5	23.6	65.2	205	164	92.4	86	82	74	A	H	1.2
60NFS-3-25-18	\$2,853	60NCS-3-25-18	\$3,110		1780	284T/TC	73.7	380	420	30.5	24.4	67.5	300	240	93.6	82	76	66	A	L	1.2
60NFS-3-25-12	\$5,687	60NCS-3-25-12	\$6,199		1190	324T/TC	110	230	240	31.5	25	69.7	182	146	93	80	75	65	B	G	1.3
60NFS-3-30-36	\$3,488	60NCS-3-30-36	\$3,802	30	3540	286T/TC	44.5	250	300	35.2	28.2	77.8	215	172	91.7	87	85	80	A	G	1.2
60NFS-3-30-18	\$3,469	60NCS-3-30-18	\$3,782		1780	286T/TC	88.4	370	390	37.5	30.0	82.9	350	280	93.6	80	73	61	A	L	1.2
60NFS-3-30-12	\$5,768	60NCS-3-30-12	\$6,288		1190	326T/TC	132	230	240	37	30	81.8	217	174	93	82	78	69	B	G	1.3
60NFS-3-40-36	\$5,752	60NCS-3-40-36	\$6,270	40	3552	324T/TC	59	145	200	44	35	97.3	290	232	93	92	91	88	B	G	1.2
60NFS-3-40-18	\$5,689	60NCS-3-40-18	\$6,202		1780	324T/TC	118	240	270	45	36	99.5	290	232	94.1	88	86	78	B	G	1.3
60NFS-3-40-12	\$7,490	60NCS-3-40-12	\$8,165		1192	364T/TC	176	180	210	48.5	39	107.3	290	232	94.1	82	78	68	B	G	1.3
60NFS-3-50-36	\$6,121	60NCS-3-50-36	\$6,672	50	3552	326T/TC	74	145	200	55	44	121.6	362	290	93	92	92	89	B	G	1.2
60NFS-3-50-18	\$6,082	60NCS-3-50-18	\$6,630		1781	326T/TC	148	250	270	56	45	123.8	362	290	94.5	88	85	78	B	G	1.3
60NFS-3-50-12	\$8,776	60NCS-3-50-12	\$9,566		1191	365T/TC	221	170	200	60	48	132.7	362	290	94.1	83	80	71	B	G	1.3
60NFS-3-60-36	\$7,929	60NCS-3-60-36	\$8,643	60	3562	364T/TC	88.5	125	200	65	52	143.8	435	348	93.6	92	91	87	B	G	1.2
60NFS-3-60-18	\$7,518	60NCS-3-60-18	\$8,195		1786	364T/TC	177	140	200	67	54	148.2	435	348	95	88	87	80	B	G	1.2
60NFS-3-60-12	\$10,685	60NCS-3-60-12	\$11,647		1192	404T/TC	264	180	200	72	58	159.2	435	348	94.5	82	78	68	B	G	1.3
60NFS-3-75-36	\$9,409	60NCS-3-75-36	\$10,256	75	3560	365T/TC	111	120	200	81	65	179.1	542	434	94.1	92	91	89	B	G	1.2
60NFS-3-75-18	\$9,291	60NCS-3-75-18	\$10,128		1787	365T/TC	221	150	210	84	67	185.8	542	434	95.4	88	86	80	B	G	1.2
60NFS-3-75-12	\$12,127	60NCS-3-75-12	\$13,219		1191	405T/TC	331	140	200	91	73	201.3	542	434	94.5	82	79	70	B	G	1.2
60NFS-3-100-36	\$11,970	60NCS-3-100-36	\$13,048	100	3565	405T/TC	147	170	240	109	87	241.1	725	580	95.4	90	88	83	B	G	1.2
60NFS-3-100-18	\$11,876	60NCS-3-100-18	\$12,945		1785	405T/TC	294	220	230	108	86	238.8	790	632	95.4	91	89	84	B	G	1.2
60NFS-3-100-12	\$15,346	60NCS-3-100-12	\$16,728		1192	444T/TC	441	190	200	123	98	272.0	725	580	95	80	75	65	B	G	1.2
60NFS-3-125-36	\$16,372	60NCS-3-125-36	\$17,846	125	3578	444T/TC	184	140	260	133	106	-	950	760	95.4	92	90	86	B	G	1.2
60NFS-3-125-18	\$15,610	60NCS-3-125-18	\$17,015		1788	444T/TC	367	175	210	136	109	-	907	726	95.8	90	89	85	B	G	1.2
60NFS-3-125-12	\$18,037	60NCS-3-125-12	\$19,661		1192	445T/TC	551	190	200	153	122	-	910	728	95.4	80	77	67	B	G	1.2
60NFS-3-150-36	\$18,581	60NCS-3-150-36	\$20,254	150	3578	445T/TC	220	160	270	159	127	-	1180	944	95.8	92	91	86	B	G	1.2
60NFS-3-150-18	\$18,393	60NCS-3-150-18	\$20,049		1788	445T/TC	441	180	200	161	129	-	1085	868	95.8	91	90	86	B	G	1.2
60NFS-3-200-36	\$21,814	60NCS-3-200-36	\$23,778	200	3578	447T/TC	294	150	250	210	168	-	1500	1200	95.8	93	92	88	B	G	1.2
60NFS-3-200-18	\$21,562	60NCS-3-200-18	\$23,503		1790	447T/TC	587	170	200	218	174	-	1550	1240	96.5	89	87	81	B	G	1.2
60NFS-3-250-36	\$25,527	60NCS-3-250-36	\$27,825	250	3579	447T/TC	367	180	270	261	209	-	1900	1520	96.2	93	92	89	B	G	1.2