



Elektrim NEMA Premium[®] AC Brake Motors

Quick Stop for Fast Response Motor Applications

1-30 HP 3PH TEFC 60 Hz NEMA AC Foot Mounted and C-Face Motors

Features

- Inverter Duty Rated: 10:1CT & 20:1VT
- Service Factor: up to 1.4
- Design: "B" or "A"
- Protection Degree: IP55
- Enclosure: TEFC F1 Rigid Cast Iron Frame
- Warranty: 3-Years
- 208-230/460V 60Hz
- Class "F" insulation with rise below Class "B"
- F1 / F2 convertible
- High lock rotor and brake torque
- VPI applied for best electrical performance
- DC Brake with 460V Rectifier
- Manual Release
- Oversized double shielded bearings
- Drain Plugs
- CSA-US certified, DOE approved, CE and NEMA Premium marked

Applications

Outstanding durability and performance brake motors ideal for hoists, cranes, conveyors, elevators, speed reducers and other industrial applications where a quick stop and positive holding torque are necessary.



Maximum Performance in Your Toughest Industrial Applications

Part Number	HP	RPM	Frame	Torque				FLA			LRA		Efficiency			Power Factor			NEMA Design	Code	SF	WK ² lb ft ²	lbs
				FLT lb-ft	BT lb-ft	LRT %	BDT %	460V	575V	208V	460V	575V	FL	75%	50%	FL	75%	50%					
20NFB-3-1-18	1	1765	143T	3	11.8	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
20NFB-3-1-12		1160	145T	4.5	11.8	240	300	1.7	1.4	3.8	10	8	82.5	81.9	78.6	68	59	46	B	K	1.4	0.15	55
20NFB-3-1.5-36	1.5	3540	143T	2.2	11.8	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
20NFB-3-1.5-18		1750	145T	4.5	11.8	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
20NFB-3-1.5-12		1170	182T	6.7	44.2	190	280	2.4	1.9	5.3	14	11.2	87.5	86.9	84.5	68	59	47	B	J	1.4	0.4	85
20NFB-3-2-36	2	3525	145T	3	11.8	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
20NFB-3-2-18		1745	145T	6	11.8	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
20NFB-3-2-12		1170	184T	9	44.2	200	300	3	2.4	6.6	25	20	88.5	88.6	86.9	72	64	51	B	L	1.4	0.45	98
20NFB-3-3-36	3	3500	182T	4.5	44.2	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
20NFB-3-3-18		1775	182T	8.9	44.2	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
20NFB-3-3-12		1165	213T	13.5	59	260	360	4.2	3.4	9.3	32	25.6	89.5	89.5	88	74	68	56	B	K	1.4	1.45	205
20NFB-3-5-36	5	3535	184T	7.4	44.2	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
20NFB-3-5-18		1770	184T	14.8	44.2	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
20NFB-3-5-12		1170	215T	22.4	59	250	350	7	5.6	15.5	46	36.8	89.5	89.6	88.2	75	69	57	B	J	1.3	1.56	220
20NFB-3-7.5-36	7.5	3525	213T	11.2	59	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
20NFB-3-7.5-18		1765	213T	22.3	59	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
20NFB-3-7.5-12		1185	254T	33.2	111	320	350	10.4	8.3	23.0	77.5	62	91	90.6	88.6	74	67	54	A	K	1.3	2.63	321
20NFB-3-10-36	10	3535	215T	14.8	59	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
20NFB-3-10-18		1770	215T	29.6	59	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
20NFB-3-10-12		1180	256T	44.5	111	290	330	13.4	10.7	29.6	94	75.2	91	90.8	89.2	77	70	58	A	J	1.3	3.31	363
20NFB-3-15-36	15	3540	254T	22.3	111	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
20NFB-3-15-18		1775	254T	44.3	111	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
20NFB-3-15-12		1185	284T	66.4	177	470	380	19.5	15.6	43.1	180	144	91.7	91.2	89	79	73	61	A	L	1.3	5.19	371
20NFB-3-20-36	20	3540	256T	29.7	111	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
20NFB-3-20-18		1775	256T	59.1	111	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
20NFB-3-20-12		1185	286T	88.5	177	380	320	25.5	20.4	56.4	221	177	91.7	91.1	89.1	80	74	63	A	L	1.2	6.03	421
20NFB-3-25-36	25	3555	284TS	36.9	177	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
20NFB-3-25-18		1780	284T	73.7	177	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
20NFB-3-30-36	30	3540	286TS	44.5	177	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
20NFB-3-30-18		1780	286T	88.4	177	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

Motors can be modified from Footed to C-Face and vice versa. C-Face part number prefix = 20NCB



SOLUTIONS TO MEET YOUR NEEDS

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