



Elektrim Premium Efficient 32N Series All Purpose Motors

Dominates in Damp and Dusty Environments with Extraordinary Ease

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

Features

- Inverter Duty Rated: 10:1CT & 20:1VT
- Service Factor: 1.20
- Design: "B"
- Protection Degree: IP55
- Enclosure: TEFC Rigid Cast Iron Frame
- Warranty: 3-Years
- VPI applied for best electrical performance
- Corrosion resistant epoxy coated
- F1 / F2 Convertible
- Oversized bearings on both ends (444T and up DE Roller Bearing)
- 230/460V 60Hz, usable at 208V (444T and up 460V only)
- Double rated for 190/380V 50Hz
- Suitable for Y/delta starting and part winding starting
- Double drilled feet
- Designed for horizontal and vertical application
- Class "F" insulation with rise below Class "B"
- CSA-US certified, DOE approved, CE marked

Applications

Ideal for a wide variety of industrial applications that require a premium efficient motor, such as fans & blowers, pumps, conveyors, crushers, compressors, mixers and more.







Maximum Performance in Your Toughest Industrial Applications

Part Number	HP	RPM	Frame	Conn	Torque			Idle	FLA		LRA		Efficiency			Power Factor		NEMA Design	Code Letter	SF	lbs	
					FLT lb-ft	LRT %	BDT %		460V	575V	460V	575V	FL	75%	50%	FL	75%					50%
32NFM-3-60-36	60	3575	364TS	2Δ/Δ	88.24	165	255	12.5	66.7	53.4	403	322.4	93.6	93.36	93.02	90	93.36	91.09	B	F	1.2	793
32NFM-3-60-18		1785	364T	2Δ/Δ	176.73	160	250	19.3	68.0	54.4	412	329.6	95.0	94.14	93.77	87	87.17	81.18	B	F	1.2	842
32NFM-3-60-12		1190	404T	2Δ/Δ	265.1	160	220	21.6	69.1	55.3	406	324.8	94.5	94.43	94.09	86	84.95	78.00	B	F	1.2	992
32NFM-3-75-36	75	3575	365TS	2Δ/Δ	110.32	165	240	14.6	83.4	66.7	479	383.2	93.6	93.83	93.59	90	93.22	91.10	B	F	1.2	859
32NFM-3-75-18		1785	365T	2Δ/Δ	220.95	165	250	24.3	84.6	67.7	521	416.8	95.4	94.47	94.10	87	87.67	81.88	B	F	1.2	941
32NFM-3-75-12		1190	405T	2Δ/Δ	331.43	170	225	25.8	86.4	69.1	531	424.8	94.5	94.69	94.32	86	85.15	78.46	B	G	1.2	1151
32NFM-3-100-36	100	3575	405TS	2Δ/Δ	147.07	140	255	22.4	109.3	87.4	667	533.6	94.1	94.17	94.01	91	92.74	90.20	B	F	1.2	1120
32NFM-3-100-18		1785	405T	2Δ/Δ	294.55	155	250	33.0	112.8	90.2	674	539.2	95.4	94.81	94.39	87	86.20	79.69	B	F	1.2	1173
32NFM-3-100-12		1190	444T	2-Δ	441.83	165	235	36.5	114.6	91.7	691	552.8	95.0	94.77	94.28	86	83.25	75.54	B	F	1.2	1455
32NFM-3-125-36	125	3580	444TS	2-Δ	183.58	165	230	24.1	135.4	108.3	810	648	95.0	95.01	94.00	91	92.01	89.01	B	F	1.2	1334
32NFM-3-125-18		1790	444T	2-Δ	367.16	165	240	32.9	139.4	111.5	828	662.4	95.4	95.03	94.67	88	89.50	85.07	B	F	1.2	1433
32NFM-3-125-12		1190	445T	2-Δ	552.28	165	225	40.4	143.3	114.6	852	681.6	95.0	95.02	94.57	86	84.28	77.29	B	F	1.2	1587
32NFM-3-150-36	150	3580	445TS	2-Δ	220.3	165	225	35.8	162.5	130.0	980	784	95.0	95.05	93.80	91	92.08	89.38	B	F	1.2	1488
32NFM-3-150-18		1790	445T	2-Δ	440.59	165	235	36.4	166.6	133.3	982	785.6	95.8	95.28	94.94	88	90.34	86.60	B	F	1.2	1565
32NFM-3-150-12		1190	447T	2-Δ	662.74	170	230	42.5	170.5	136.4	1041	832.8	95.8	95.28	94.78	86	85.25	78.75	B	F	1.2	1885
32NFM-3-200-36	200	3580	447TS	2-Δ	293.73	185	220	36.0	213.4	170.7	1284	1027.2	95.4	95.12	93.81	92	92.34	90.54	B	F	1.2	1686
32NFM-3-200-18		1790	447T	2-Δ	587.46	185	240	42.1	221.2	177.0	1325	1060	96.2	95.59	95.23	88	90.47	86.70	B	F	1.2	1907
32NFM-3-200-12		1190	449T	2-Δ	883.65	165	215	50.8	227.3	181.8	1376	1100.8	95.8	95.49	95.06	86	86.06	80.34	B	F	1.2	2182
32NFM-3-250-36	250	3580	449TS	2-Δ	367.16	185	220	33.5	265.6	212.5	1550	1240	95.8	95.41	94.30	92	92.41	91.03	B	F	1.2	2048
32NFM-3-250-18		1790	449T	2-Δ	734.32	185	230	46.6	276.5	221.2	1667	1333.6	96.2	95.82	95.49	88	91.13	88.01	B	F	1.2	1872

Motors can be modified from Footed to C-Face and vice versa. C-Face part number prefix = 32NCM. Other ratings available by special order.

You Might Also Be Interested in These Elektrim Motor Products

ALL PURPOSE 31N SERIES	Low voltage NEMA Premium® 31N series motors with Class I, Division II Group ABCD T3C and UL recognition for intermittent gas environments.	<ul style="list-style-type: none"> • 1-50 HP • 3600-1800-1200-900 RPM • NEMA Premium® TEFC IP55 • Dual Rated 60/50 Hz • Inverter Rated 10:1CT 20:1VT • Service Factor up to 1.25 	general purpose use, pumps, fans, compressors, fans and blowers, conveyors, crushers, mixers, where intermittent gas vapors exists, and more	
PERFORMANCE 20N SERIES	Low voltage NEMA Premium® inverter duty 20N series motors with high starting torque and a high service factor for poor supply conditions and high ambient temperatures.	<ul style="list-style-type: none"> • 1-250 HP • 3600-1800-1200 RPM • NEMA Premium® TEFC IP55 • Dual Rated 60/50 Hz • Inverter Rated 10:1CT 20:1VT • Service Factor up to 1.4 • Vacuum Pressure Impregnation 	general purpose use, pumps, fans, compressors, fans and blowers, conveyors, crushers, mixers, mills, where poor supply conditions exist, and more	
METRIC IEC MOTORS	Metric three phase motors with squirrel cage rotor for standard and high IE2 efficiency.	<ul style="list-style-type: none"> • 0.08-150 HP • 3600-1800-1200 RPM • TEFC IP55 • Dual Rated 60/50 Hz • Inverter Rated 5:1CT 10:1VT • Vacuum Pressure Impregnation 	as replacement motors for overseas applications and machinery such as pumps, conveyors, fans, for export and more	
CRUSHER DUTY MOTORS	Low voltage high torque design C motors with drive end roller bearing and 4140 equivalent steel shaft for belt drive applications.	<ul style="list-style-type: none"> • 150-500 HP • 1800-1200 RPM • TEFC IP55 • Inverter Rated 5:1CT 10:1VT • Service Factor up to 1.20 • with Thermistors and Space Heaters • Vacuum Pressure Impregnation 	mining and quarry equipment, belt drive applications or where a high torque design C motor is needed	

SOLUTIONS TO MEET YOUR NEEDS

2015 S. Mitchell Blvd., Schaumburg, IL 60193
+1-847-524-1074 • 855-463-5358 • Fax +1-847-524-9996

Elektrim is a trademark of Toolmex Industrial Solutions. www.elektrimmotors.com | 855-Go-Elektrim

