



Model Number GR3-AL-TF-145JM-2-B-D-2-230|460-60

MFG PN TFC145T2U2B

List Price --

All data shown at HIGH voltage setting

Format | STD 3 Phase

Electrical Data				General Data	
Rated Motor Output Power	2 HP			Frame Size	145
Rated Motor Speed	3500 r/min			Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ			Approximate Weight	48.4
Rated Motor Current	5.2/2.6 Amps			NEMA Design	B
Service Factor	1.25			IP Rating	55
KVA Code				Insulation Class	F
Nominal Efficiency	84 %			Tropicalization	YES
Nominal Power Factor	0.84 cosθ			Duty	Cont.
Full Load Torque Ft-Lb	3.02416 Ft-Lb			Cable Entry	1.25
Temp Rise @ Full Load °C	47.4			Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium			Double Drilled	NO
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	283	23.6	Rated Altitude (M)	1000
Breakdown	-	362	-	Coating	7024 - Graphite Grey
Pull Up	-	169	-	Shaft Grounding	NO
125% of FL	3481	-	3.13	Brake Voltage (DC)	
75% of FL	3534	-	2	Brake Torque (N-M)	
50% of FL	3556	-	1.68	Mechanical Data	
No Load	3591	-	1.26	Bearing DE Side	6205ZZ
Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing NDE Side	6205ZZ
				Moment of Inertia	kg.m2
				Noise Level	Per NEMA dB (A)
CT VFD Range		--		Loaded Torque Curves	
				P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosφ = Power Factor	
Certifications	UL	CSA	DOE		
File Numbers	323353	224693	096A		
Wiring Diagram	3PH 9 Lead Dual Voltage				
3 Phase - YY/Y - 9 Lead 4,1 Blue / 5,2 White / 6,3 Org / 7 Yl / 8 Blk / 9 RD Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom					
CONNECTIONS 					

Model Number	GR3-AL-TF-145JM-2-B-D-2-230 460-60
MFG PN	TFC145T2U2B
List Price	--
Base Frame	GR-145JM-AL-TF

FRAME: 145JM HP: RPM: PHASE: 3 VOLT: 115/208-230V ENCL: TEFC FREQ: 60 Hz FLA: LRA:

