



Model Number GR3-CI-TF-143T-4-B-D-1-230|460-60

MFG PN TFC143T1U4B

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data				General Data																													
Rated Motor Output Power	1 HP			Frame Size	143																												
Rated Motor Speed	1740 r/min			Enclosure	TEFC																												
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ			Approximate Weight	49.3075																												
Rated Motor Current	3/1.5 Amps			NEMA Design	B																												
Service Factor	1.25			IP Rating	55																												
KVA Code	J			Insulation Class	F																												
Nominal Efficiency	85.5 %			Tropicalization	YES																												
Nominal Power Factor	0.75 cosθ			Duty	Cont.																												
Full Load Torque Ft-Lb	3.031536 Ft-Lb			Cable Entry	1.25																												
Temp Rise @ Full Load °C	36			Feet Removable	YES																												
Efficiency Level	IE3 - NEMA Premium			Double Drilled	NO																												
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40																												
Locked Rotor	-	224	9.54	Rated Altitude (M)	1000																												
Breakdown	-	270	-	Coating	7024 - Graphite Grey																												
Pull Up	-	171	-	Shaft Grounding	NO																												
125% of FL	1722	-	1.82	Brake Voltage (DC)																													
75% of FL	1759	-	1.22	Brake Torque (N-M)																													
50% of FL	1774	-	1	Mechanical Data																													
No Load	1197	-	0.83	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																																
<p>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</p> <table border="1"> <thead> <tr> <th colspan="6">CONNECTIONS</th> </tr> </thead> <tbody> <tr> <td>4</td><td>5</td><td>6</td> <td>4</td><td>5</td><td>6</td> </tr> <tr> <td>7</td><td>8</td><td>9</td> <td>7</td><td>8</td><td>9</td> </tr> <tr> <td>1</td><td>2</td><td>3</td> <td>1</td><td>2</td><td>3</td> </tr> <tr> <td colspan="3">LOW VOLTAGE</td> <td colspan="3">HIGH VOLTAGE</td> </tr> </tbody> </table>						CONNECTIONS						4	5	6	4	5	6	7	8	9	7	8	9	1	2	3	1	2	3	LOW VOLTAGE			HIGH VOLTAGE
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