



Model Number GR3-CI-TF-182TC-2-B-D-3-230|460-60

MFG PN TFC182T3U2B

List Price --

All data shown at HIGH voltage setting

Format | STD 3 Phase

Electrical Data				General Data																							
Rated Motor Output Power	3 HP			Frame Size	182																						
Rated Motor Speed	3510 r/min			Enclosure	TEFC																						
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ			Approximate Weight	82.5																						
Rated Motor Current	7.2 3.6 Amps			NEMA Design	B																						
Service Factor	1.25			IP Rating	55																						
KVA Code	K			Insulation Class	F																						
Nominal Efficiency	86.5 %			Tropicalization	YES																						
Nominal Power Factor	0.9 cosθ			Duty	Cont.																						
Full Load Torque Ft-Lb	4.403472 Ft-Lb			Cable Entry	1.25																						
Temp Rise @ Full Load °C	38.2			Feet Removable	YES																						
Efficiency Level	IE3 - NEMA Premium			Double Drilled	NO																						
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40																						
Locked Rotor	-	462	29.92	Rated Altitude (M)	1000																						
Breakdown	-	328	-	Coating	7024 - Graphite Grey																						
Pull Up	-	169	-	Shaft Grounding	NO																						
125% of FL	3491	-	4.36	Brake Voltage (DC)																							
75% of FL	3539	-	2.74	Brake Torque (N-M)																							
50% of FL	3560	-	2	Mechanical Data																							
No Load	3559	-	1.25	Bearing DE Side	6306 ZZ																						
Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing NDE Side	6306 ZZ																						
				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> <p>CONNECTIONS</p> <table border="1"> <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> </table>						4	5	6	4	5	6	7	8	9	7	8	9	1	2	3	1	2	3	LOW VOLTAGE			HIGH VOLTAGE
4	5	6	4	5	6																						
7	8	9	7	8	9																						
1	2	3	1	2	3																						
LOW VOLTAGE			HIGH VOLTAGE																								

FRAME: 182TC | HP: | RPM: | PHASE: 3 | VOLT: 208 - 230/460V | ENCL: TEFC | FREQ: 60 Hz | FLA: | LRA:

