



Model Number	GR3-AL-TF-145JP-4-B-D-2-230 460-60
MFG PN	TFC145T2U4B
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	1740 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ	Approximate Weight	62.8075
Rated Motor Current	5.6/2.8 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	0.78 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	3.02416 Ft-Lb	Cable Entry	1.25
Temp Rise @ Full Load °C	50	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps	Mechanical Data	
Locked Rotor	-	282	20.71	Rated Ambient (°C)	40
Breakdown	-	304	-	Rated Altitude (M)	1000
Pull Up	-	175	-	Coating	7024 - Graphite Grey
125% of FL	1722	-	3.36	Shaft Grounding	NO
75% of FL	1758	-	2.26	Brake Voltage (DC)	
50% of FL	1772	-	1.85	Brake Torque (N-M)	
No Load	1799	-	1.46		

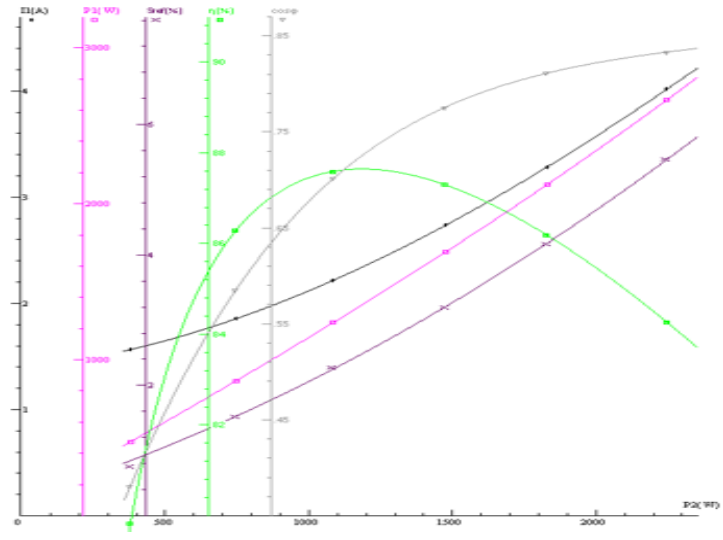
Hazardous Location	Class 1, Div 2, Grp A,B,C,D		Moment of Inertia	kg.m2
			Noise Level	Per NEMA dB (A)

CT VFD Range	--	Loaded Torque Curves		--
$P_1 = \text{INPUT POWER (KW)}$, $S = \text{Slip (\% of Sync RPM)}$, $\eta = \text{Efficiency (\%)}$, $\cos\phi = \text{Power Factor}$				

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					
4	5	6	4	5	6
7	8	9	7	8	9
1	2	3	1	2	3
LOW VOLTAGE			HIGH VOLTAGE		



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

