



Model Number GR3-AL-TF-145JM-4-B-D-1.5-230|460-60

MFG PN T145T 1.5U4B

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data

General Data

Rated Motor Output Power	1.5 HP
Rated Motor Speed	1740 r/min
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ
Rated Motor Current	4.4/2.2 Amps
Service Factor	1.25
KVA Code	L
Nominal Efficiency	86.5 %
Nominal Power Factor	0.75 cos ϕ
Full Load Torque Ft-Lb	4.4256 Ft-Lb
Temp Rise @ Full Load °C	36.8
Efficiency Level	IE3 - NEMA Premium

Frame Size	145
Enclosure	TEFC
Approximate Weight	48
NEMA Design	B
IP Rating	55
Insulation Class	F
Tropicalization	YES
Duty	Cont.
Cable Entry	1.25
Feet Removable	YES
Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps
Locked Rotor	-	311	16.74
Breakdown	-	351	-
Pull Up	-	216	-
125% of FL	1732	-	2.5
75% of FL	1762	-	1.75
50% of FL	1775	-	1.47
No Load	1796	-	1.19

Rated Ambient (°C)	40
Rated Altitude (M)	1000
Coating	7024 - Graphite Grey
Shaft Grounding	NO
Brake Voltage (DC)	
Brake Torque (N-M)	

Mechanical Data

Bearing DE Side	6205ZZ
Bearing NDE Side	6205ZZ
Moment of Inertia	kg.m2
Noise Level	Per NEMA dB (A)

Hazardous Location	Class 1, Div 2, Grp A,B,C,D
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Loaded Torque Curves

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CT VFD Range

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P_1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), $\cos\phi$ = Power Factor

Certifications UL CSA DOE

File Numbers 323353 224693 096A

Wiring Diagram 3PH 9 Lead Dual Voltage

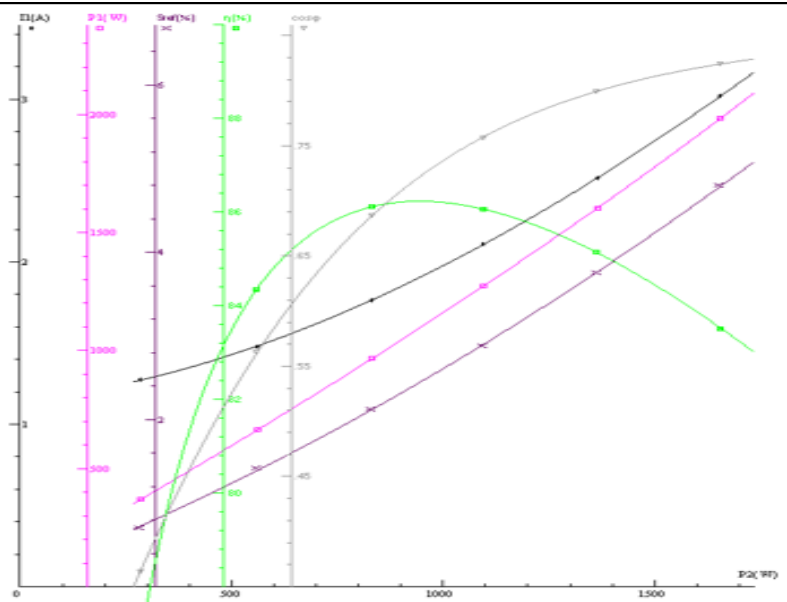
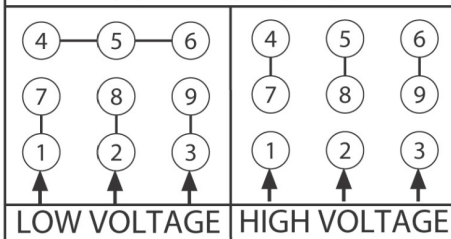
3 Phase - YY/Y - 9 Lead

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



Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540

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