TECHTOP electric motors	**Model Number**	**GR3-AL-TF-145JM-4-B-D-2-230|460-60**
	MFG PN	**T145T2U4B**
	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	60
Rated Motor Current	5.6/2.8 Amps	NEMA Design	BE
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	3/4"-14 NPSC
Temp Rise @ Full Load °C	50	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

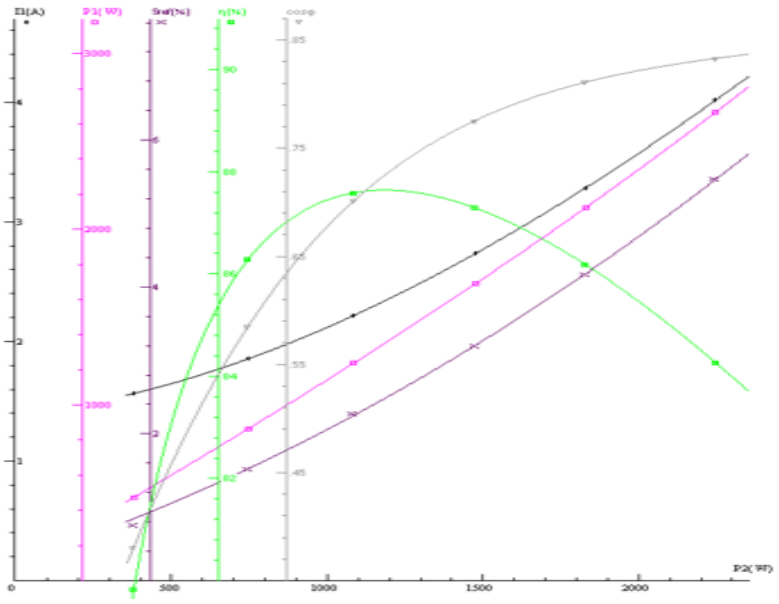
Load Data	RPM	Trq %FL	Current Amps
Locked Rotor	-	282	20.71
Breakdown	-	304	-
Pull Up	-	175	-
125% of FL	1722	-	3.36
75% of FL	1758	-	2.26
50% of FL	1772	-	1.85
No Load	1799	-	1.46

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	6205 ZZ
Bearing NDE Side	6205 ZZ
Moment of Inertia	0.00430 kg.m2
Noise Level	Per NEMA dB (A)

Hazardous Location	**Class 1, Div 2, Grp A,B,C,D**
CT VFD Range	--
Loaded Torque Curves	**--**

P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosϕ = Power Factor



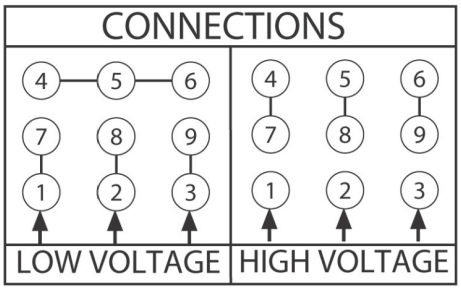
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A
Wiring Diagram	**3PH 9 Lead Dual Voltage**		

3 Phase - YY/Y - 9 Lead

4,1 Blue / 5,2 White / 6,3 Org / 7 Yl / 8 Blk / 9 RD

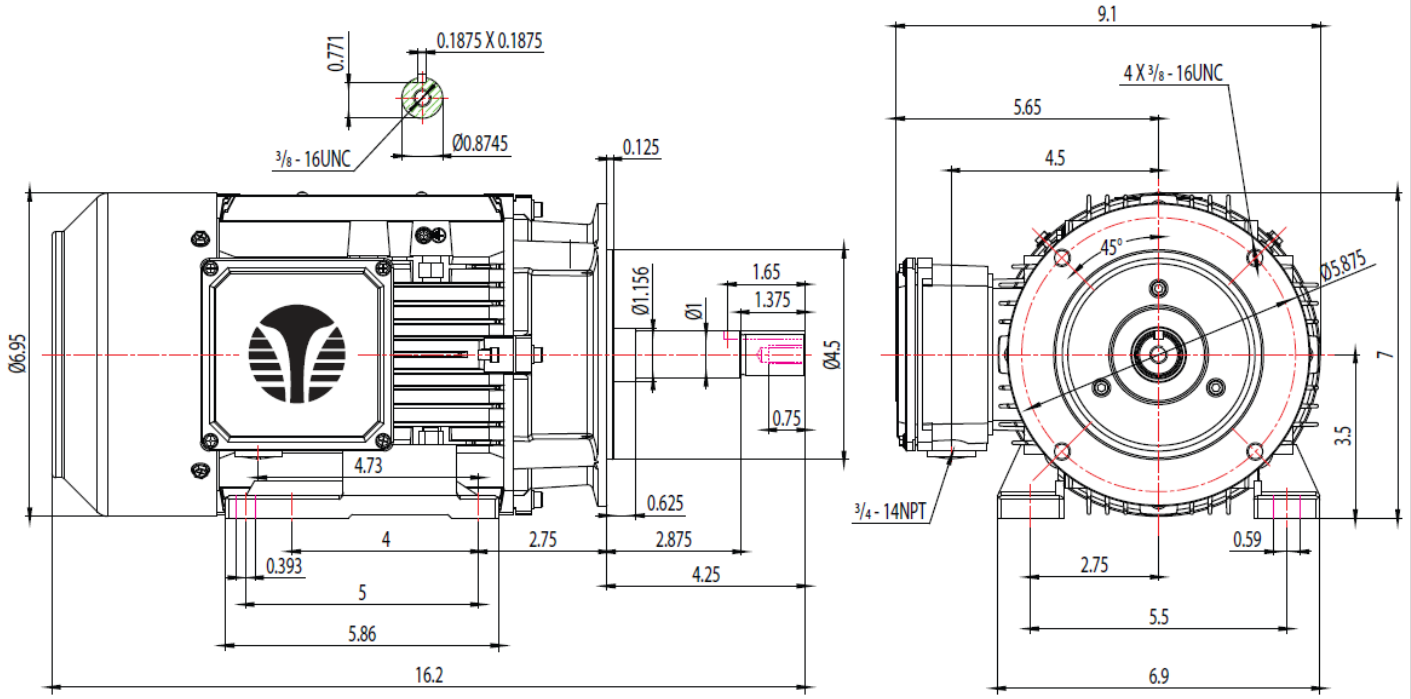
Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom

Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom



Model Number	GR3-AL-TF-145JM-4-B-D-2-230|460-60
MFG PN	T145T2U4B
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:



MODEL NUMBER:	REV.	BY	DATE	CHANGES
GR3-AL-TF-145JM	1			
MFG PN:	2			
	3			
	4			
	5			
	6			
	7			

MATERIAL: ALUMINUM
UNITS: INCH | BY: SSEE
DRAWN: 6/11/2018
WWW.TECHTOP.COM

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