TECHTOP electric motors	**Model Number**	**GR3-AL-TF-56J-2-B-D-2-230|460-60**	
	MFG PN	**T56H 2U2B**	
	List Price	**--**	
All data shown at HIGH voltage setting		Format	STD 3 Phase

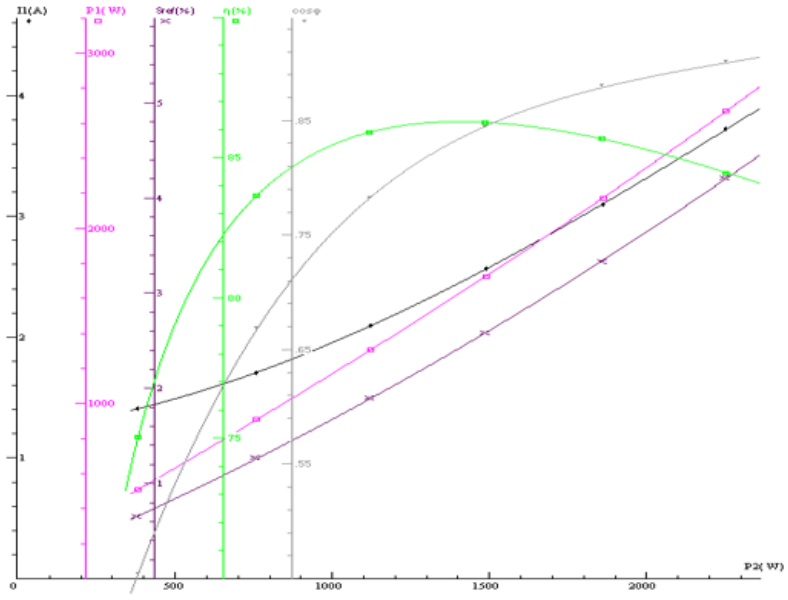
Electrical Data		**General Data**	
Rated Motor Output Power	2 HP	Frame Size	56
Rated Motor Speed	3500 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ	Approximate Weight	26.5
Rated Motor Current	5.24/2.62 Amps	NEMA Design	A
Service Factor	1.25	IP Rating	55
KVA Code	L	Insulation Class	F
Nominal Efficiency	84 %	Tropicalization	YES
Nominal Power Factor	0.84 cosθ	Duty	cont
Full Load Torque Ft-Lb	3.28 Ft-Lb	Cable Entry	1/2"-14 NPT
Temp Rise @ Full Load °C	43.2	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	**RPM**	**Trq %FL**	**Current Amps**	Rated Ambient (°C)	40
Locked Rotor	-	353	24.31	Rated Altitude (M)	1000
Breakdown	-	424	-	Coating	7063 - Graphite Grey
Pull Up	-	295	-	Shaft Grounding	NO
125% of FL	3479	-	3.12	Brake Voltage (DC)	--
75% of FL	3532	-	2	Brake Torque (N-M)	--
50% of FL	3555	-	1.69	**Mechanical Data**	
No Load	--	-	1.3	Bearing DE Side	6204ZZ
Hazardous Location	**Class 1, Div 2, Grp A,B,C,D**			Bearing NDE Side	6204ZZ
				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**		

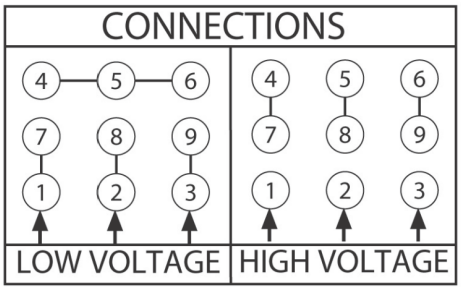


3 Phase - YY/Y - 9 Lead

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

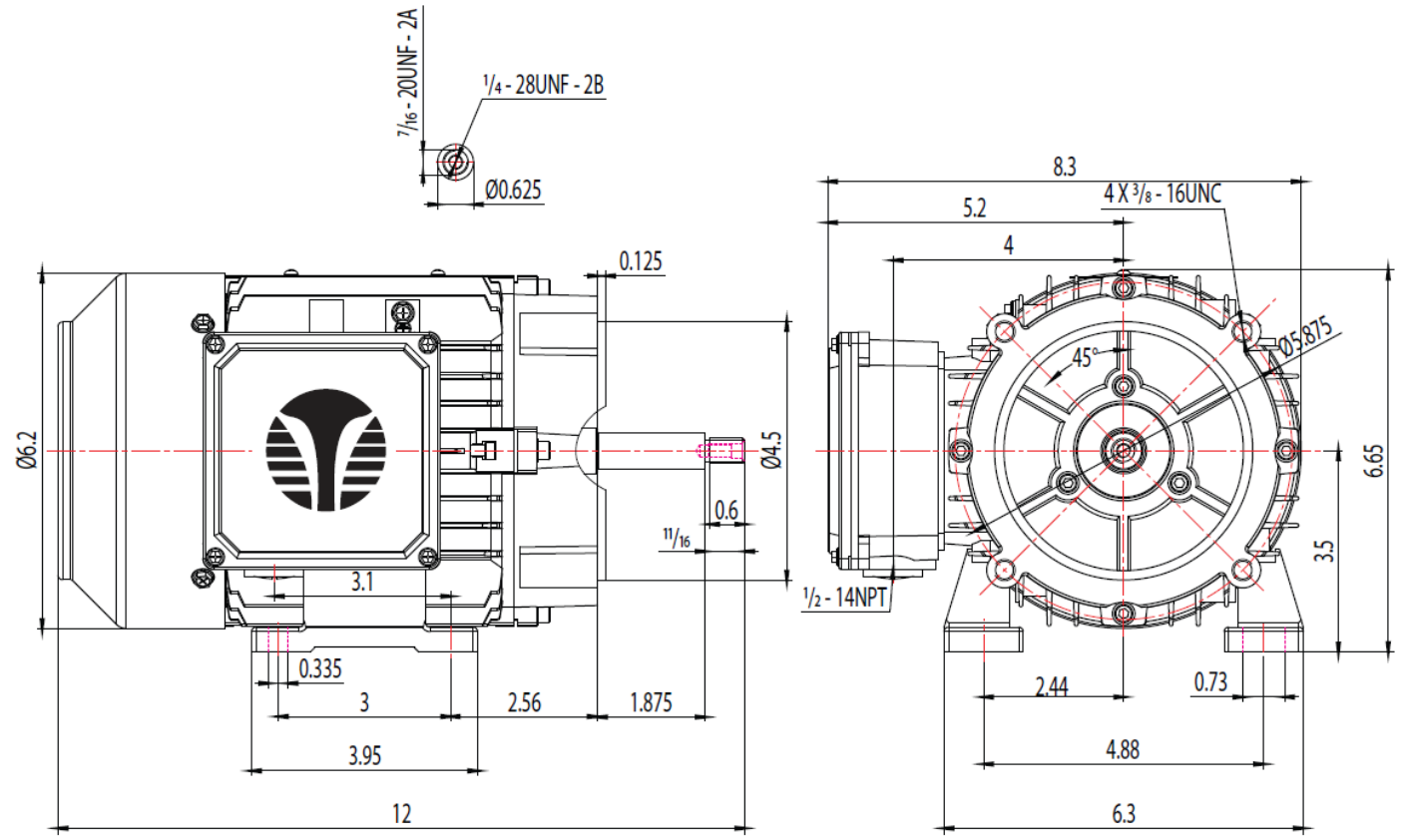
Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom

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



Model Number	GR3-AL-TF-56J-2-B-D-2-230|460-60
MFG PN	T56H 2U2B
List Price	--
Base Frame	GR-56J-AL-TF

FRAME: 56J	HP:	RPM:	PHASE: 3	VOLT: 115/208-230V	ENCL: TEFC	FREQ: 60 Hz	FLA:	LRA:



TECHTOP	MODEL NUMBER:	REV.	BY	DATE	CHANGES
	GR3-AL-TF-56J	1			
	MFG PN:	2			
MATERIAL: ALUMINUM		3			
UNITS: INCH BY: SSEE		4			
DRAWN: 6/11/2018		5			
WWW.TECHTOP.COM		6			
		7			

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