TECHTOP electric motors	**Model Number**	**GR3-AL-TF-56J-4-B-D-.5-230|460-60**	
	MFG PN	**T56 1/2U4B**	
	List Price	**--**	

All data shown at HIGH voltage setting — Format: STD 3 Phase

Electrical Data		**General Data**	
Rated Motor Output Power	0.5 HP	Frame Size	56
Rated Motor Speed	1750 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ	Approximate Weight	17.57
Rated Motor Current	1.8/0.9 Amps	NEMA Design	B
Service Factor	1.25	IP Rating	55
KVA Code	L	Insulation Class	F
Nominal Efficiency	78.5 %	Tropicalization	YES
Nominal Power Factor	0.66 cosθ	Duty	cont
Full Load Torque Ft-Lb	1.64 Ft-Lb	Cable Entry	1/2"-14 NPT
Temp Rise @ Full Load °C	25.4	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	**RPM**	**Trq %FL**	**Current Amps**	Rated Ambient (°C)	40
Locked Rotor	-	324	5.7	Rated Altitude (M)	1000
Breakdown	-	374	-	Coating	7066 - Graphite Grey
Pull Up	-	273	-	Shaft Grounding	NO
125% of FL	1735	-	1	Brake Voltage (DC)	--
75% of FL	1764	-	0.81	Brake Torque (N-M)	--
50% of FL	1776	-	0.75	**Mechanical Data**	
No Load	--	-	0.71	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

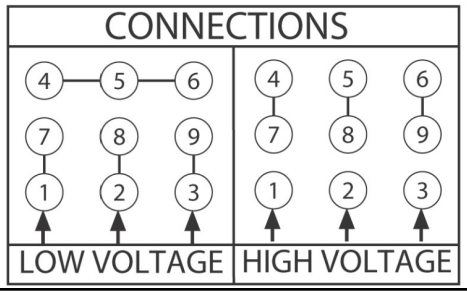
Wiring Diagram — **3PH 9 Lead Dual Voltage**

3 Phase - YY/Y - 9 Lead

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

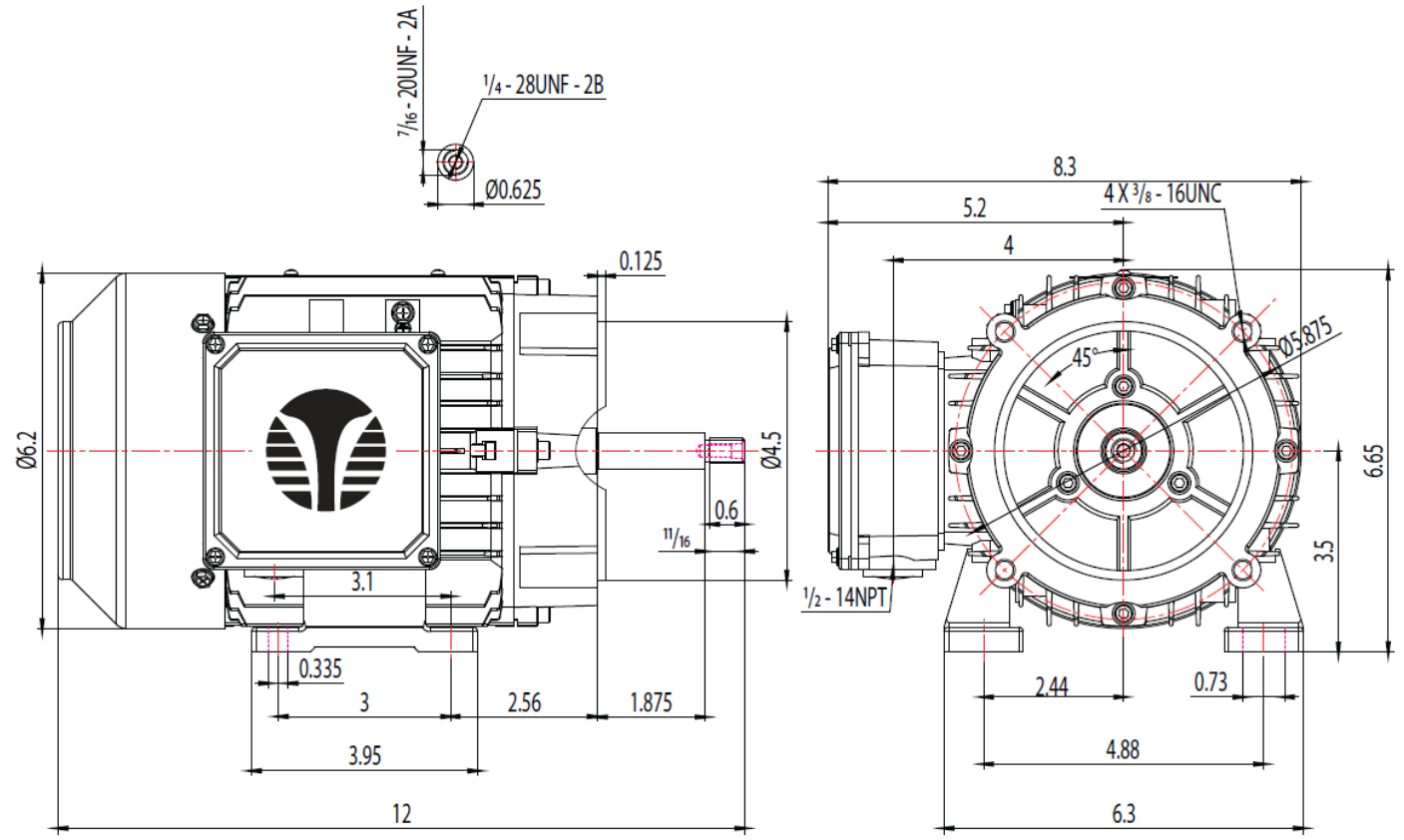
Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom

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



Model Number	GR3-AL-TF-56J-4-B-D-.5-230|460-60
MFG PN	T56 1/2U4B
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:



MODEL NUMBER:	REV.	BY	DATE	CHANGES
GR3-AL-TF-56J	1			
MFG PN:	2			
	3			
	4			
	5			
	6			
	7			

MATERIAL: ALUMINUM
UNITS: INCH BY: SSEE
DRAWN: 6/11/2018
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