TECHTOP electric motors	**Model Number**	**GR3-AL-TF-56J-2-B-D-3-230|460-60**
	MFG PN	**T56H 3U2B**
	List Price	**--**

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

Electrical Data	
Rated Motor Output Power	3 HP
Rated Motor Speed	3490 r/min
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ
Rated Motor Current	7.26/3.63 Amps
Service Factor	1.25
KVA Code	K
Nominal Efficiency	86.5 %
Nominal Power Factor	0.88 cosθ
Full Load Torque Ft-Lb	4.864 Ft-Lb
Temp Rise @ Full Load °C	49.1
Efficiency Level	IE3 - NEMA Premium

Load Data	**RPM**	**Trq %FL**	**Current Amps**
Locked Rotor	-	271	30.31
Breakdown	-	331	-
Pull Up	-	162	-
125% of FL	3458	-	4.5
75% of FL	3522	-	2.87
50% of FL	3550	-	2.23
No Load	--	-	1.57

Hazardous Location	**Class 1, Div 2, Grp A,B,C,D**

General Data	
Frame Size	56
Enclosure	TEFC
Approximate Weight	36.3
NEMA Design	B
IP Rating	55
Insulation Class	F
Tropicalization	YES
Duty	cont
Cable Entry	1/2"-14 NPT
Feet Removable	YES
Double Drilled	NO
Rated Ambient (°C)	40
Rated Altitude (M)	1000
Coating	7064 - Graphite Grey
Shaft Grounding	NO
Brake Voltage (DC)	--
Brake Torque (N-M)	--

Mechanical Data	
Bearing DE Side	6204ZZ
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

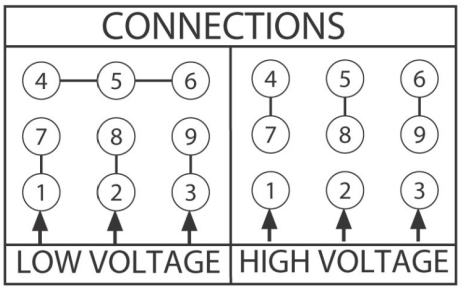
Wiring Diagram	**3PH 9 Lead Dual Voltage**

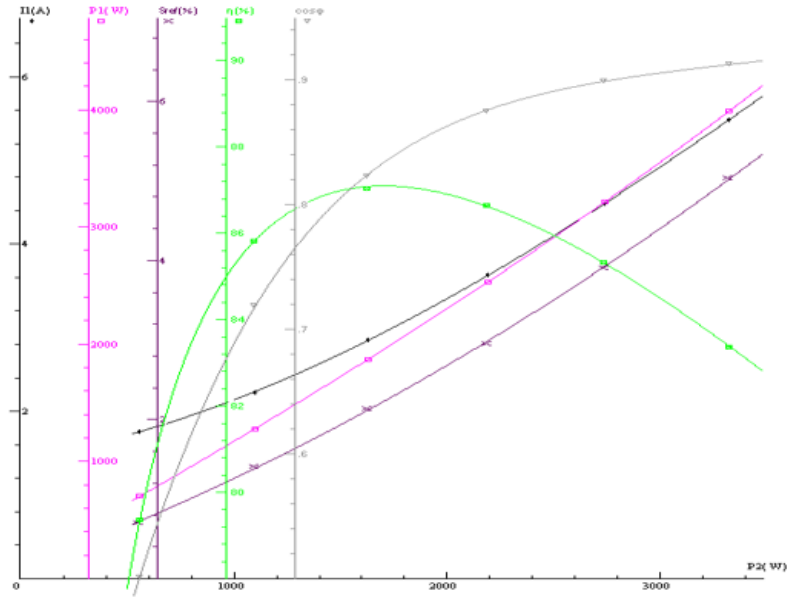
3 Phase - YY/Y - 9 Lead

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

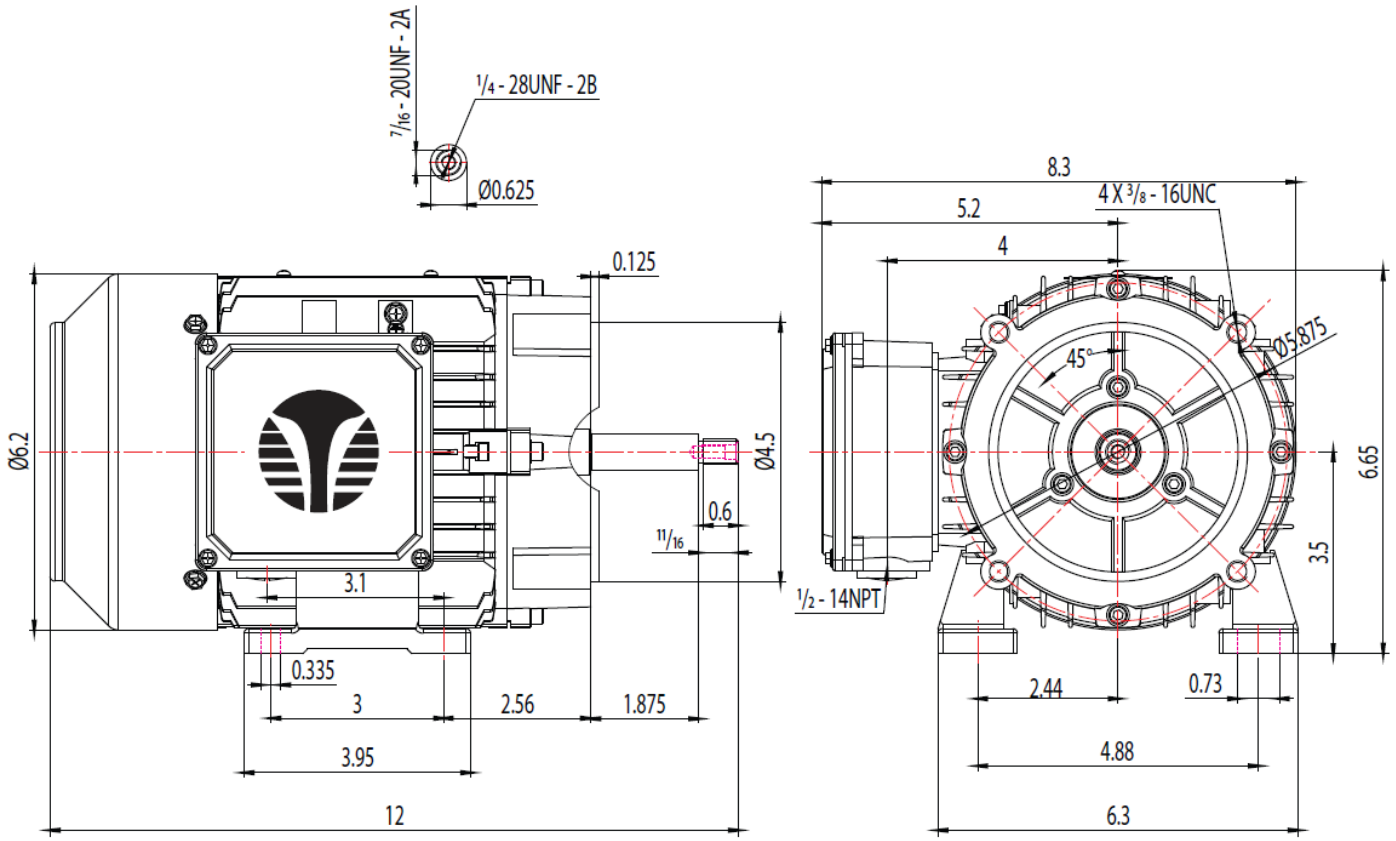
Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom





Model Number	GR3-AL-TF-56J-2-B-D-3-230|460-60
MFG PN	T56H 3U2B
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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