TECHTOP electric motors		**Model Number**	**CB3-AL-TF-56C-2-B-D-1-230|460-60**
		MFG PN	**T56 1U2B**
		List Price	**--**

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

Electrical Data		**General Data**	
Rated Motor Output Power	1 HP	Frame Size	56
Rated Motor Speed	3490 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ	Approximate Weight	18
Rated Motor Current	3.1/1.55 Amps	NEMA Design	B
Service Factor	1.25	IP Rating	55
KVA Code	K	Insulation Class	F
Nominal Efficiency	79 %	Tropicalization	YES
Nominal Power Factor	0.77 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	2.07 Ft-Lb	Cable Entry	■"-14 NPT
Temp Rise @ Full Load °C	53.4	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

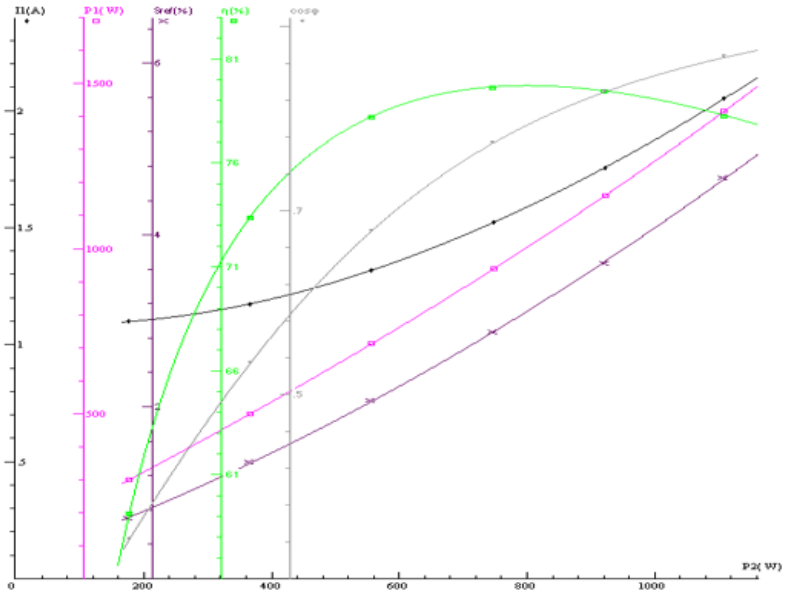
Load Data	**RPM**	**Trq %FL**	**Current Amps**
Locked Rotor	-	310	11.3
Breakdown	-	316	-
Pull Up	-	217	-
125% of FL	3464	-	1.77
75% of FL	3525	-	1.32
50% of FL	3550	-	1.17
No Load	--	-	1.1

Rated Ambient (°C)	40		
Rated Altitude (M)	1000		
Coating	7024 - Graphite Grey		
Shaft Grounding	YES		
Brake Voltage (DC)	--		
Brake Torque (N-M)	--		
Mechanical Data			
Bearing DE Side	6204 ZZ		
Bearing NDE Side	6204 ZZ		
Moment of Inertia	-- kg.m2		
Noise Level	Per NEMA dB (A)		

Hazardous Location	**Class 1, Div2 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**		

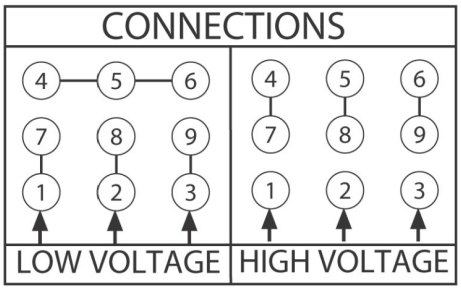


3 Phase - YY/Y - 9 Lead

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

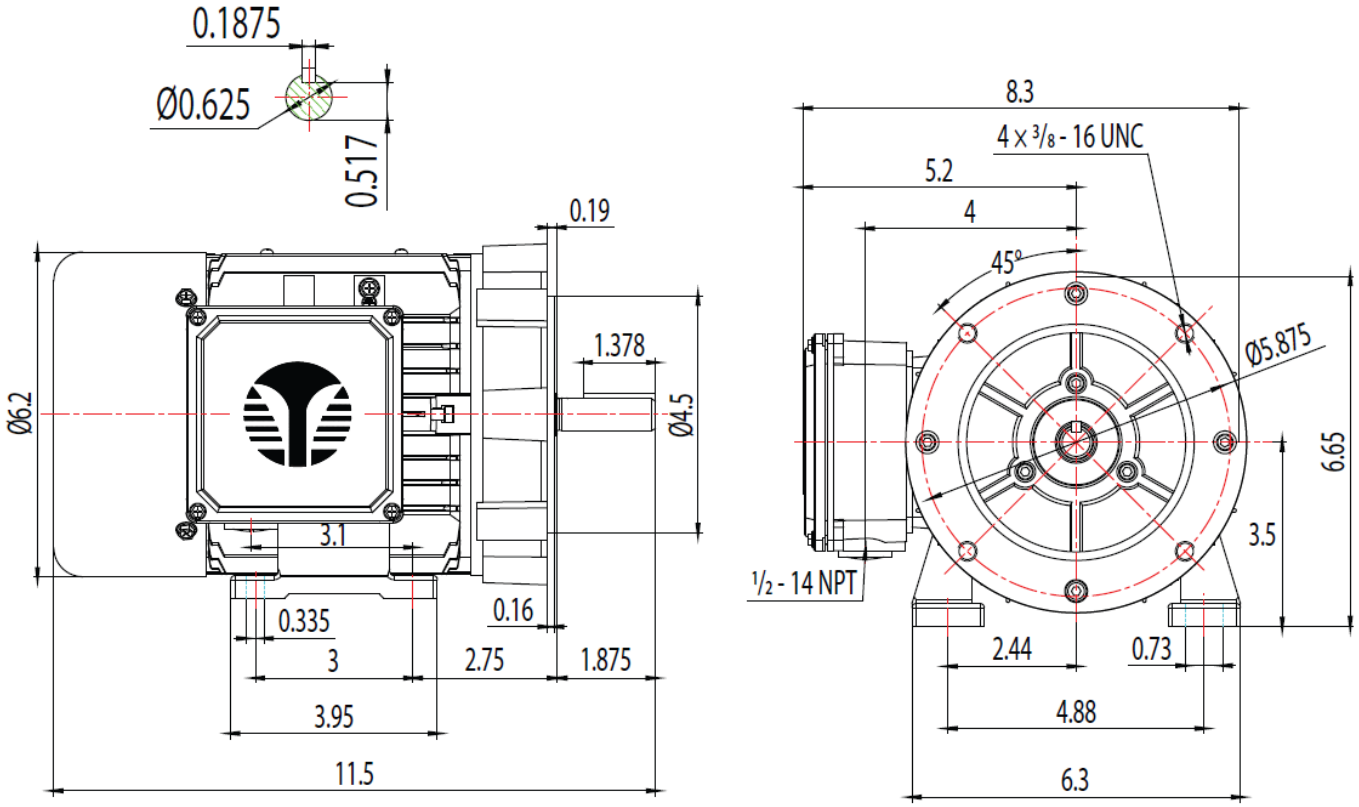
Cast Iron- 1,2,3 Top - 4,5,6,7,8,9 Bottom

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



Model Number	CB3-AL-TF-56C-2-B-D-1-230|460-60
MFG PN	T56 1U2B
List Price	--
Base Frame	CB-56C-AL-TF

FRAME: 56C	HP:	RPM:	PHASE: 3	VOLT: 230/460V	ENCL: TEFC	FREQ: 60 Hz	FLA:	LRA:



MODEL NUMBER:	REV.	BY	DATE	CHANGES
CB3-AL-TF-56C	1			
MFG PN:	2			
	3			
	4			
	5			
	6			
	7			

MATERIAL: ALUMINUM
UNITS: INCH BY: SSEE
DRAWN: 1/3/2019
WWW.TECHTOP.COM

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