TECHTOP electric motors	**Model Number**	**GR3-AL-TF-90SB3-2-B-D-2-230|460-60**
	MFG PN	**T90S-2**
	List Price	**--**

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

Electrical Data	
Rated Motor Output Power	2 HP
Rated Motor Speed	3500 r/min
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ
Rated Motor Current	5.18/2.64 Amps
Service Factor	1.15
KVA Code	L
Nominal Efficiency	85.5 %
Nominal Power Factor	0.85 cosθ
Full Load Torque Ft-Lb	3.031536 Ft-Lb
Temp Rise @ Full Load °C	47.4
Efficiency Level	IE3 - NEMA Premium

Load Data	RPM	Trq %FL	Current Amps
Locked Rotor	-	294	23.6
Breakdown	-	332	-
Pull Up	-	202	-
125% of FL	3481	-	3.13
75% of FL	3534	-	2
50% of FL	3556	-	1.68
No Load	3591	-	1.28

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

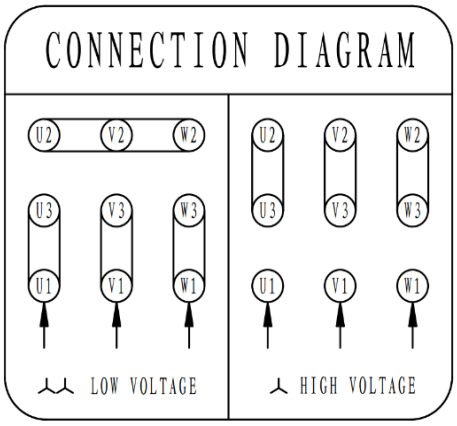
General Data	
Frame Size	90
Enclosure	TEFC
Approximate Weight	31.46
NEMA Design	B
IP Rating	55
Insulation Class	F
Tropicalization	YES
Duty	Cont.
Cable Entry	M20 X 1.5
Feet Removable	YES
Double Drilled	NO
Rated Ambient (°C)	40
Rated Altitude (M)	1000
Coating	7024 - Graphite Grey
Shaft Grounding	NO
Brake Voltage (DC)	--
Brake Torque (N-M)	--

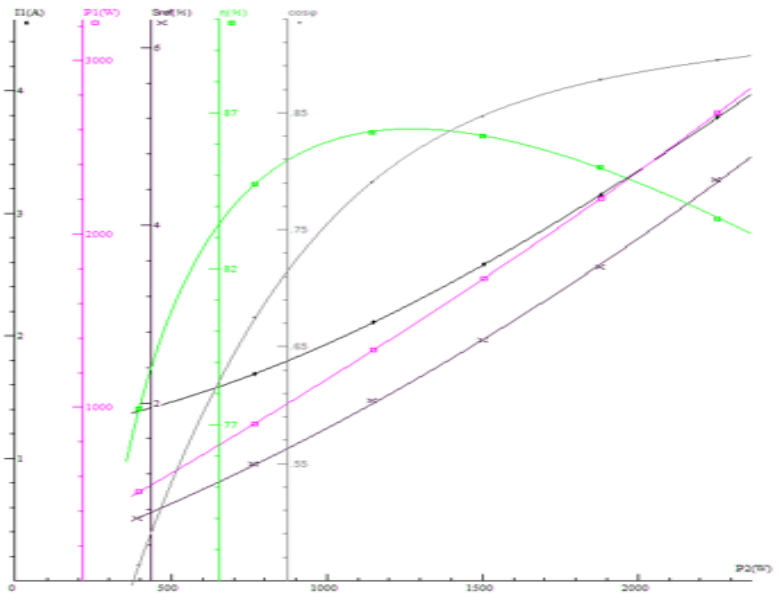
Mechanical Data	
Bearing DE Side	6205ZZ
Bearing NDE Side	6205ZZ
Moment of Inertia	0.00197 kg.m2
Noise Level	Per NEMA dB (A)

CT VFD Range	--
Loaded Torque Curves	**--**

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

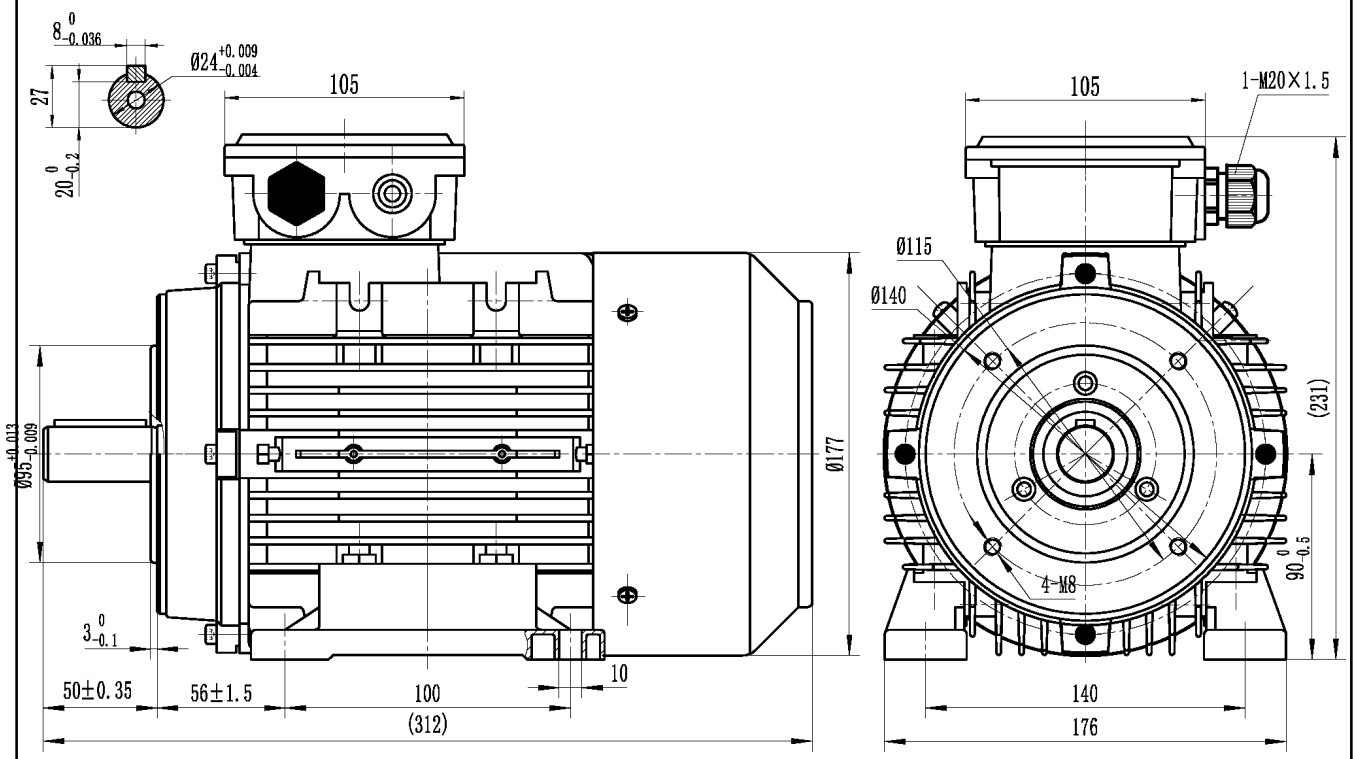
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A
Wiring Diagram	**3PH 9 Lead IEC Dual Voltage**		





Model Number	GR3-AL-TF-90SB3-2-B-D-2-230|460-60
MFG PN	T90S-2
List Price	--
Base Frame	GR-90SB34-AL-TF

FRAME:	HP:	RPM:	PHASE:	VOLT:	ENCL:	FREQ:	FLA:	LRA:



TECHTOP	MODEL: TA90S B34	SCALE:	DATE:	UNITS:	
	REV.DESC:	VERSION:	REVISED:	BY:	
				WWW.TECHTOP.COM	