TECHTOP electric motors	**Model Number**	**GR3-AL-TF-143JM-4-B-D-1-230|460-60**
	MFG PN	**T143T1U4B**
	List Price	**--**

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

Electrical Data		General Data	
Rated Motor Output Power	-- HP	Frame Size	143
Rated Motor Speed	1730 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ	Approximate Weight	--
Rated Motor Current	2.98/1.49 Amps	NEMA Design	A
Service Factor	1.25	IP Rating	55
KVA Code	K	Insulation Class	F
Nominal Efficiency	85.5 %	Tropicalization	YES
Nominal Power Factor	0.74 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	3.053664 Ft-Lb	Cable Entry	3/4"-14 NPSC
Temp Rise @ Full Load °C	36	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	293	20.23	Rated Altitude (M)	1000
Breakdown	-	311	-	Coating	7024 - Graphite Grey
Pull Up	-	223	-	Shaft Grounding	NO
125% of FL	1718	-	3.55	Brake Voltage (DC)	--
75% of FL	1755	-	2.49	Brake Torque (N-M)	--
50% of FL	1772	-	2.12	**Mechanical Data**	
No Load	1197	-	1.78	Bearing DE Side	6205ZZ
Hazardous Location	**Class 1, Div 2, Grp A,B,C,D**			Bearing NDE Side	6205ZZ
				Moment of Inertia	0.00277 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

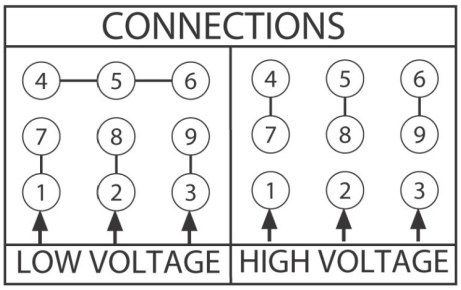
Wiring Diagram — **3PH 9 Lead Dual Voltage**

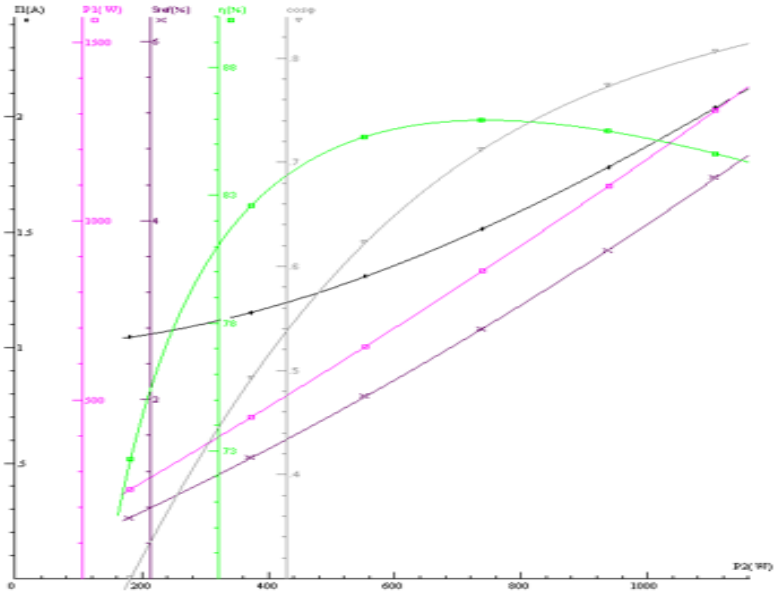
3 Phase - YY/Y - 9 Lead

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

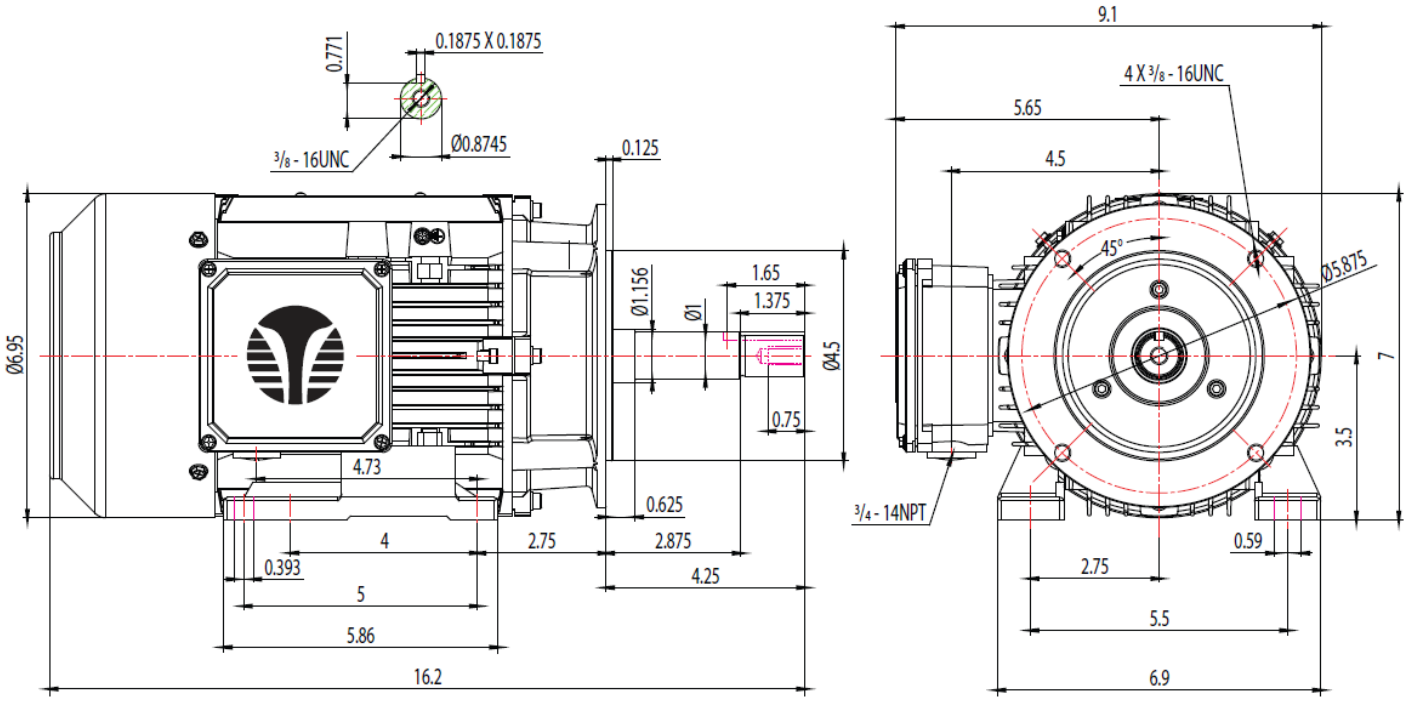
Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom





Model Number	GR3-AL-TF-143JM-4-B-D-1-230|460-60
MFG PN	T143T1U4B
List Price	--
Base Frame	GR-143JM-AL-TF

FRAME: 143JM	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-143JM	1			
	MFG PN:	2			
MATERIAL: ALUMINUM		3			
UNITS: INCH BY: SSEE		4			
DRAWN: 6/11/2018		5			
WWW.TECHTOP.COM		6			
		7			

Techtop Industries -2815 Colonnades Court - Peachtree Corners, GA 30071 - Phone: (678) 436-5540