TECHTOP electric motors	**Model Number**	**GR3-RS-OP-143T-4-B-D-1-230|460-60**
	MFG PN	**TXD143T1U4B**
	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	143
Rated Motor Speed	1740 r/min	Enclosure	ODP
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ	Approximate Weight	35.6
Rated Motor Current	3.12/1.56 Amps	NEMA Design	B
Service Factor	1.25	IP Rating	56
KVA Code	N	Insulation Class	H
Nominal Efficiency	85.5 %	Tropicalization	YES
Nominal Power Factor	0.7 cosθ	Duty	Cont. / S1
Full Load Torque Ft-Lb	2.99 Ft-Lb	Cable Entry	1-NPT 3/4"
Temp Rise @ Full Load °C	25	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	**RPM**	**Trq %FL**	**Current Amps**	Rated Ambient (°C)	40
Locked Rotor	-	420	14.91	Rated Altitude (M)	1000
Breakdown	-	483	-	Coating	7024 - Graphite Grey
Pull Up	-	330	-	Shaft Grounding	NO
125% of FL	1757	-	1.76	Brake Voltage (DC)	--
75% of FL	1775	-	1.34	Brake Torque (N-M)	--
50% of FL	1784	-	1.19	**Mechanical Data**	
No Load	--	-	1.06	Bearing DE Side	6306ZZ
Hazardous Location	--			Bearing NDE Side	6306ZZ
				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

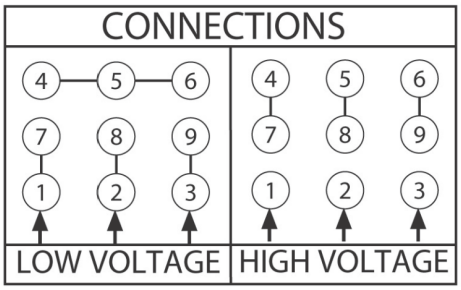
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A
Wiring Diagram	**3PH 9 Lead Dual Voltage**		

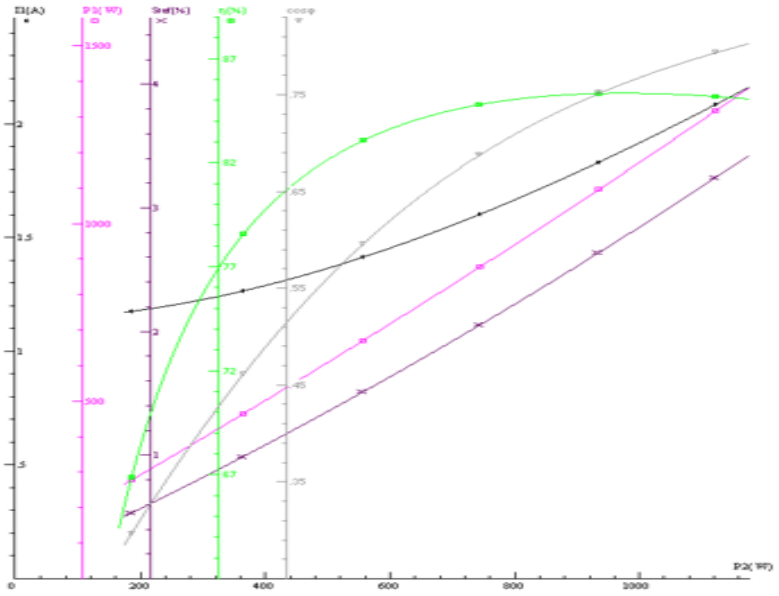
3 Phase - YY/Y - 9 Lead

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

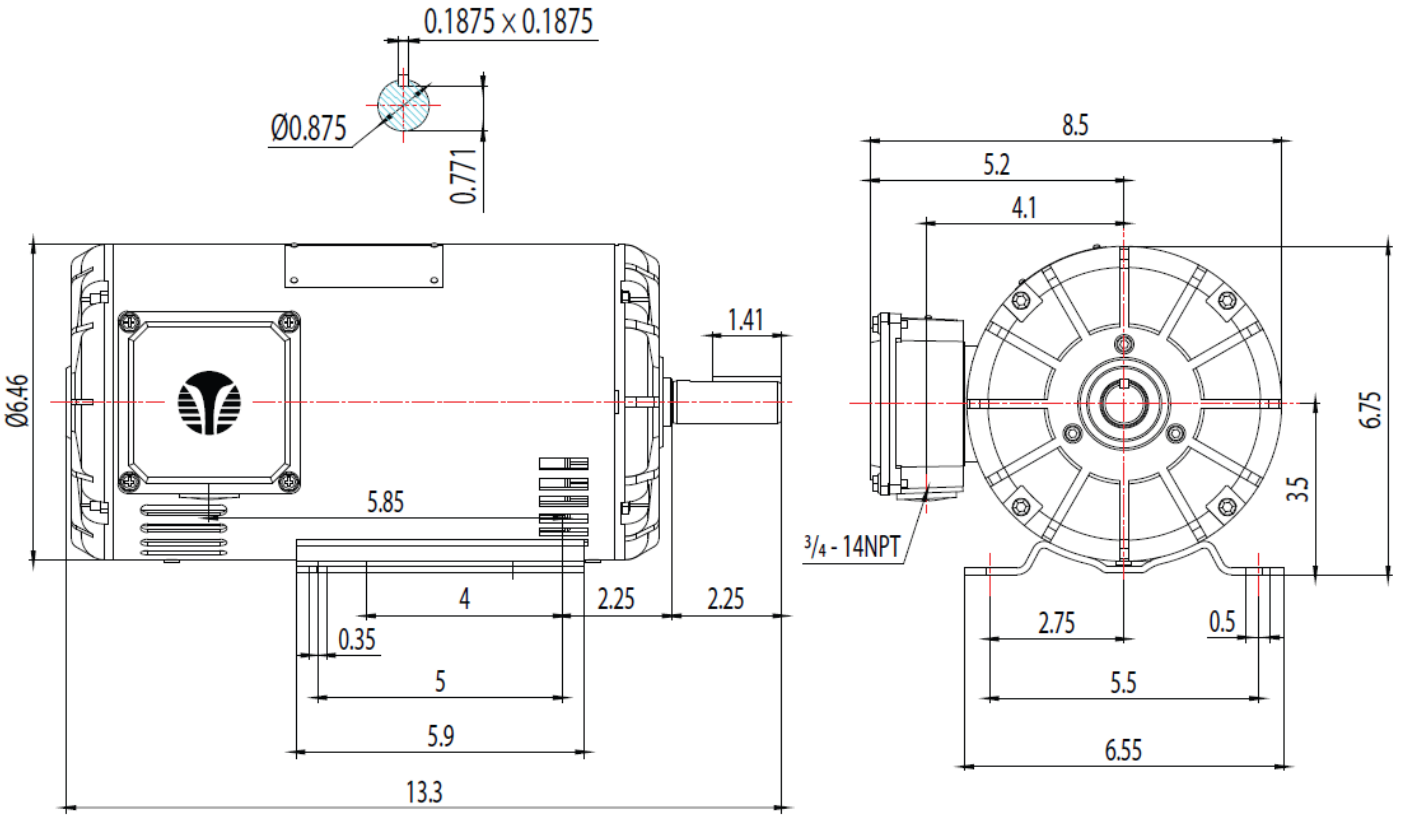
Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom





Model Number	GR3-RS-OP-143T-4-B-D-1-230|460-60
MFG PN	TXD143T1U4B
List Price	--
Base Frame	GR-143T-RS-OP

FRAME: 143T	HP:	RPM:	PHASE: 3	VOLT: 208-230V	ENCL: OPEN DRIP	FREQ: 60 Hz	FLA:	LRA:



MODEL NUMBER:	REV.	BY	DATE	CHANGES
GR3-RS-OP-143T-2-B-D-1	1			
MFG PN:	2			
	3			
MATERIAL: ALUMINUM	4			
UNITS: INCH BY: SSEE	5			
DRAWN: 6/13/2018	6			
WWW.TECHTOP.COM	7			

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