TECHTOP electric motors	**Model Number**	**GR3-RS-OP-145TC-4-B-D-1.5-230|460-60**
	MFG PN	**TXD145T1.5U4B**
	List Price	**--**

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

Electrical Data		**General Data**	
Rated Motor Output Power	1.5 HP	Frame Size	145
Rated Motor Speed	1740 r/min	Enclosure	ODP
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ	Approximate Weight	36.9
Rated Motor Current	4.34/2.17 Amps	NEMA Design	B
Service Factor	1.25	IP Rating	56
KVA Code	M	Insulation Class	H
Nominal Efficiency	86.5 %	Tropicalization	YES
Nominal Power Factor	0.75 cosθ	Duty	Cont. / S1
Full Load Torque Ft-Lb	4.52 Ft-Lb	Cable Entry	1-NPT 3/4"
Temp Rise @ Full Load °C	31	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	**RPM**	**Trq %FL**	**Current Amps**	Rated Ambient (°C)	40
Locked Rotor	-	352	19.55	Rated Altitude (M)	1000
Breakdown	-	420	-	Coating	7024 - Graphite Grey
Pull Up	-	290	-	Shaft Grounding	NO
125% of FL	1745	-	2.5	Brake Voltage (DC)	--
75% of FL	1769	-	1.81	Brake Torque (N-M)	--
50% of FL	1780	-	1.55	**Mechanical Data**	
No Load	--	-	1.31	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

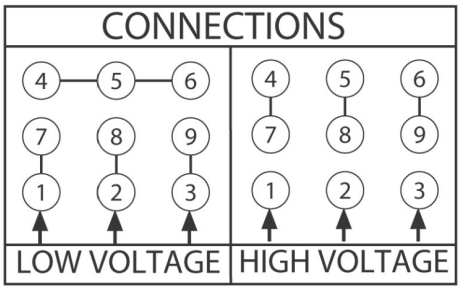
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A
Wiring Diagram	**3PH 9 Lead Dual Voltage**		

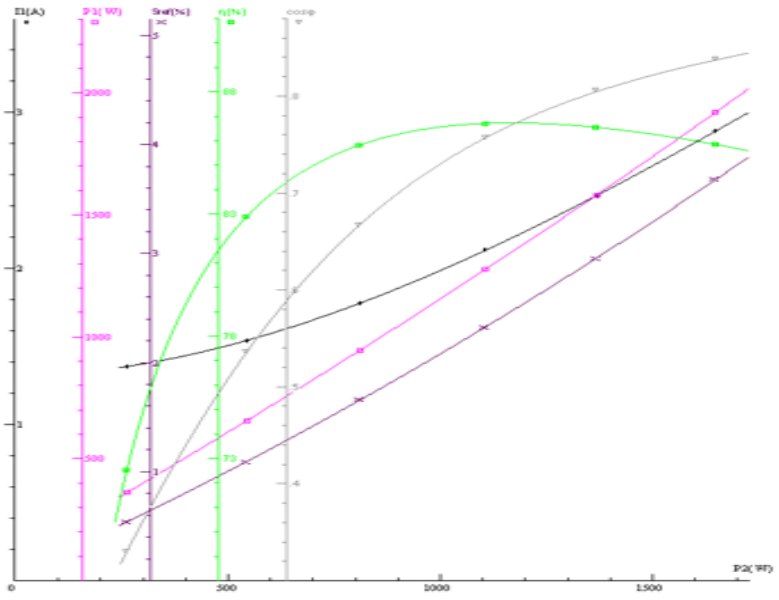
3 Phase - YY/Y - 9 Lead

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

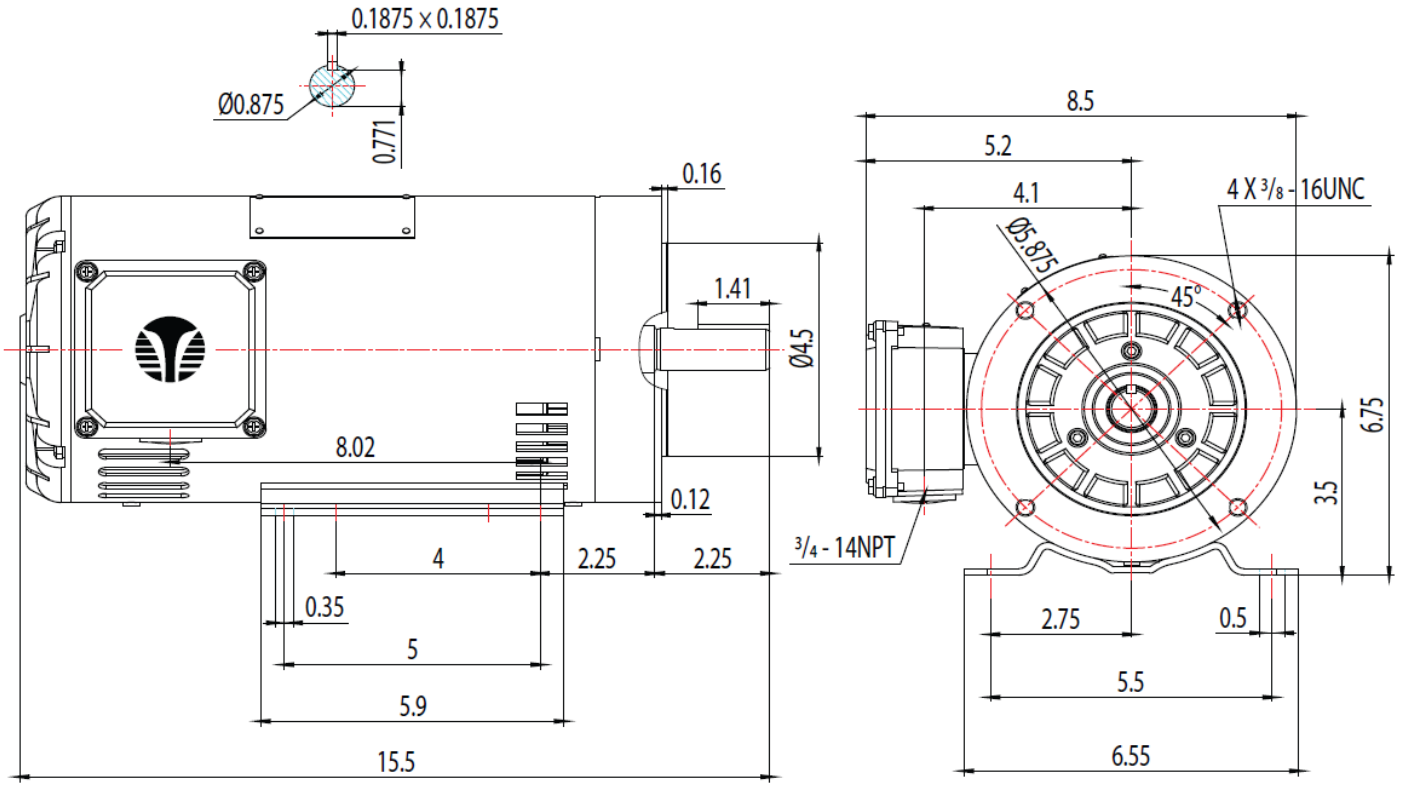
Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom





Model Number	GR3-RS-OP-145TC-4-B-D-1.5-230|460-60
MFG PN	TXD145T1.5U4B
List Price	--
Base Frame	GR-145TC-RS-OP

FRAME: 145TC	HP:	RPM:	PHASE: 3	VOLT: 208-230V	ENCL: OPEN DRIP	FREQ: 60 Hz	FLA:	LRA:



MODEL NUMBER:	REV.	BY	DATE	CHANGES
GR3-RS-OP-145TC-4-B-D-2	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