TECHTOP electric motors	**Model Number**	**GR3-RS-OP-145TC-4-B-D-2-230|460-60**	
	MFG PN	**TXD145T2U4B**	
	List Price	**--**	

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

Electrical Data		**General Data**	
Rated Motor Output Power	2 HP	Frame Size	145
Rated Motor Speed	1740 r/min	Enclosure	ODP
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ	Approximate Weight	42.4
Rated Motor Current	5.48/2.74 Amps	NEMA Design	B
Service Factor	1.25	IP Rating	56
KVA Code	L	Insulation Class	H
Nominal Efficiency	86.5 %	Tropicalization	YES
Nominal Power Factor	0.79 cosθ	Duty	Cont. / S1
Full Load Torque Ft-Lb	6.06 Ft-Lb	Cable Entry	1-NPT 3/4"
Temp Rise @ Full Load °C	43	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	**RPM**	**Trq %FL**	**Current Amps**
Locked Rotor	-	325	22.23
Breakdown	-	382	-
Pull Up	-	290	-
125% of FL	1728	-	3.23
75% of FL	1760	-	2.22
50% of FL	1774	-	1.84
No Load	--	-	1.47
Hazardous Location	--		

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	6306ZZ
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

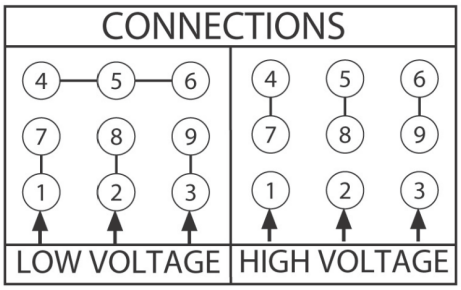
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A
Wiring Diagram	**3PH 9 Lead Dual Voltage**		

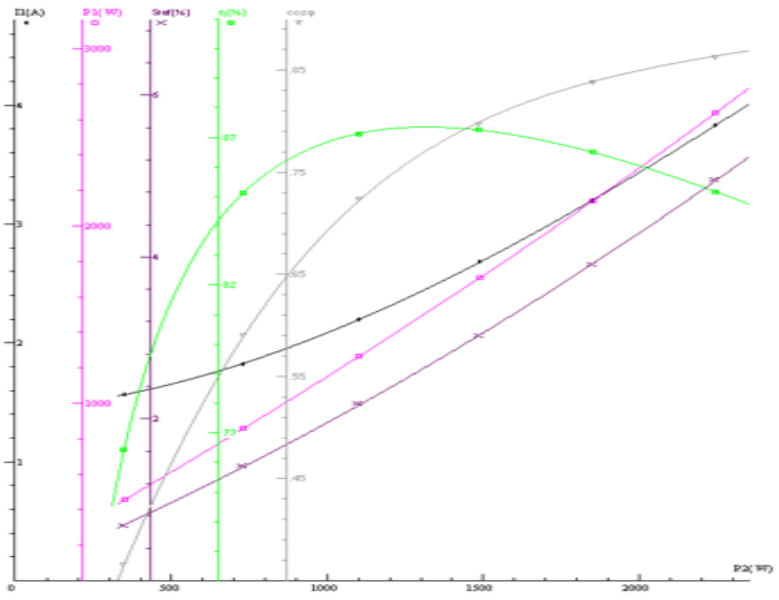
3 Phase - YY/Y - 9 Lead

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

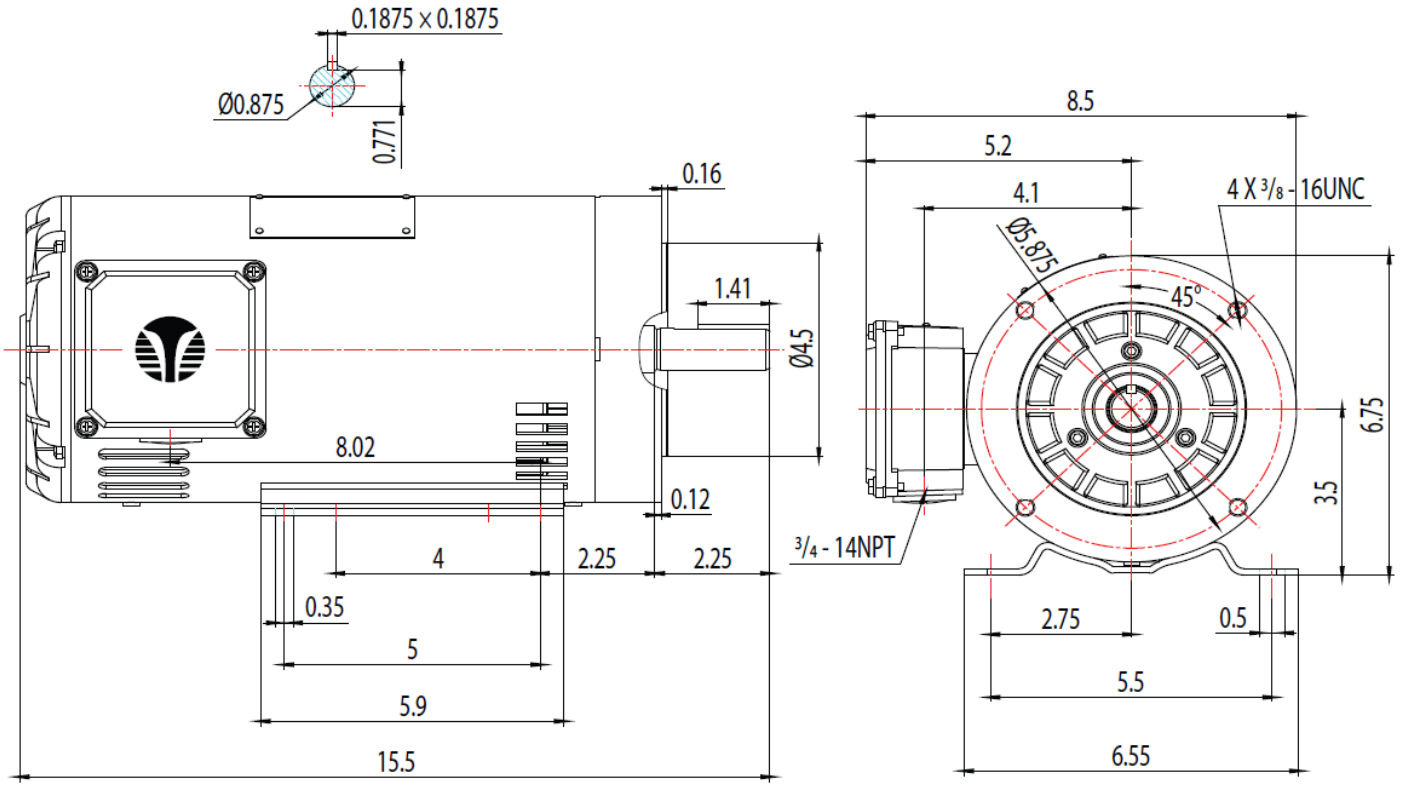
Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom





Model Number	GR3-RS-OP-145TC-4-B-D-2-230|460-60
MFG PN	TXD145T2U4B
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			

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