TECHTOP electric motors	**Model Number**	**GR3-RS-OP-143TC-2-B-D-1-230|460-60**	
	MFG PN	**TXD143T1U2B**	
	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	3450 r/min	Enclosure	ODP
Rated Motor Voltage (3 Phase)	230|460-60 Volts - HZ	Approximate Weight	--
Rated Motor Current	2.96/1.48 Amps	NEMA Design	B
Service Factor	1.25	IP Rating	56
KVA Code	k	Insulation Class	H
Nominal Efficiency	81 %	Tropicalization	YES
Nominal Power Factor	0.78 cosθ	Duty	Cont. / S1
Full Load Torque Ft-Lb	1.52 Ft-Lb	Cable Entry	1-NPT 3/4"
Temp Rise @ Full Load °C	29.5	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

Load Data	**RPM**	**Trq %FL**	**Current Amps**	Rated Ambient (°C)	40
Locked Rotor	-	350	15.68	Rated Altitude (M)	1000
Breakdown	-	355	-	Coating	7024 - Graphite Grey
Pull Up	-	310	-	Shaft Grounding	NO
125% of FL	3419	-	1.72	Brake Voltage (DC)	--
75% of FL	3498	-	1.22	Brake Torque (N-M)	--
50% of FL	3532	-	1	**Mechanical Data**	
No Load	--	-	0.85	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

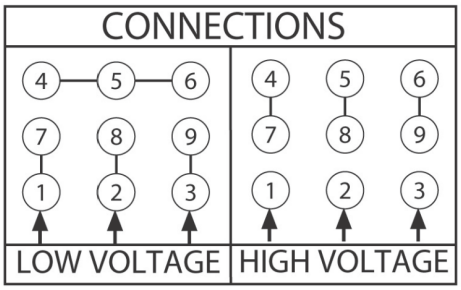
Certifications	UL	CSA	DOE
File Numbers	**323353**	**224693**	096A
Wiring Diagram	**3PH 9 Lead Dual Voltage**		

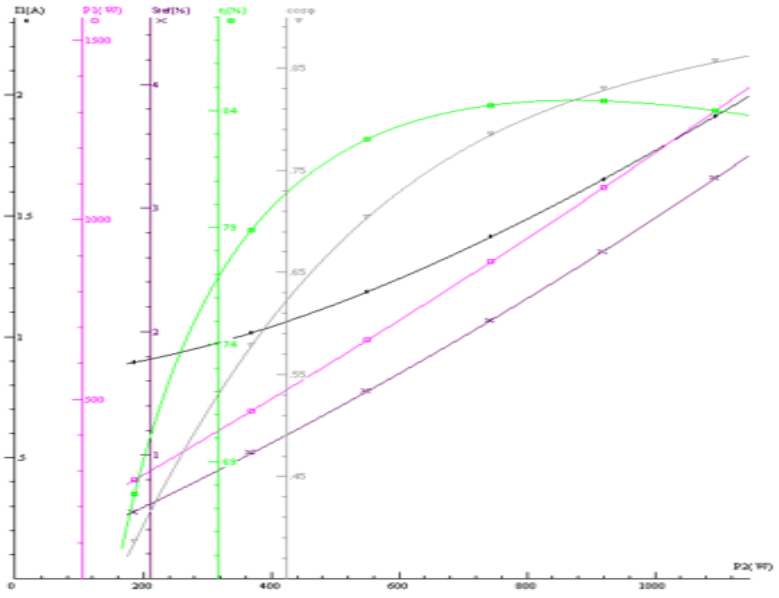
3 Phase - YY/Y - 9 Lead

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

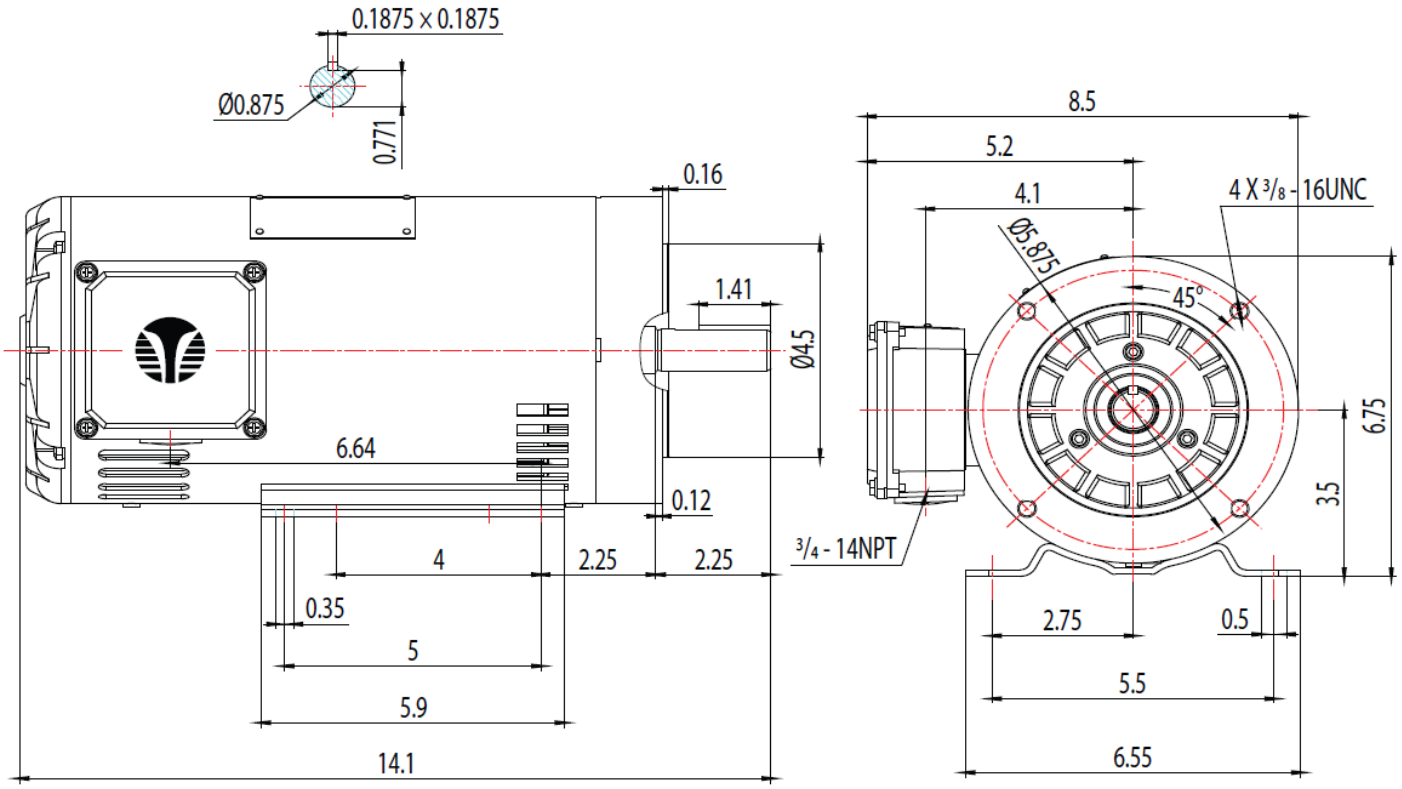
Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom





Model Number	GR3-RS-OP-143TC-2-B-D-1-230|460-60
MFG PN	TXD143T1U2B
List Price	--
Base Frame	GR-143TC-RS-OP

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



MODEL NUMBER:	REV.	BY	DATE	CHANGES
GR3-RS-OP-143TC-4-B-D-1	1			
MFG PN:	2			
	3			
	4			
	5			
	6			
	7			

MATERIAL: ALUMINUM
UNITS: INCH BY: SSEE
DRAWN: 6/13/2018
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