TECHTOP electric motors	**Model Number**	**GR3-RS-OP-143TC-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

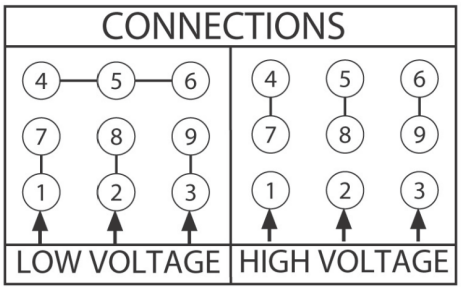
Wiring Diagram **3PH 9 Lead Dual Voltage**

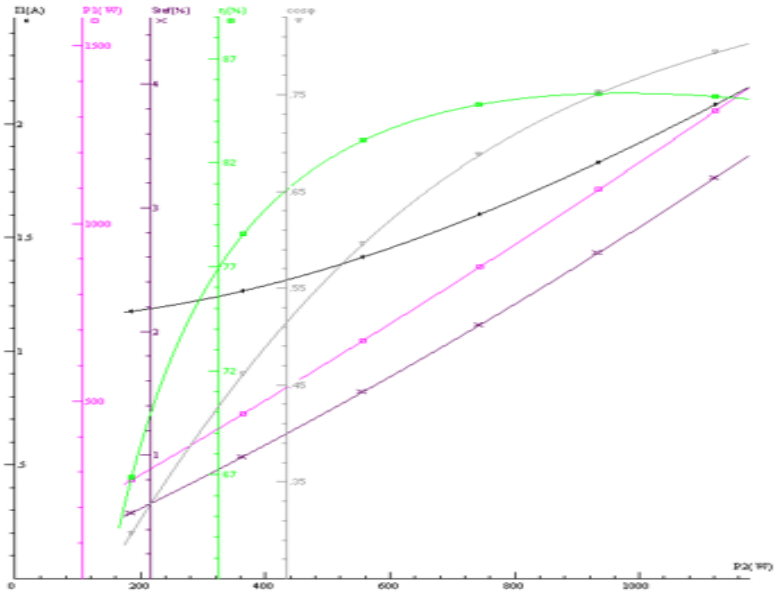
3 Phase - YY/Y - 9 Lead

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





TECHTOP electric motors	Model Number	GR3-RS-OP-143TC-4-B-D-1-230|460-60
	MFG PN	TXD143T1U4B
	List Price	--
	Base Frame	----------

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