



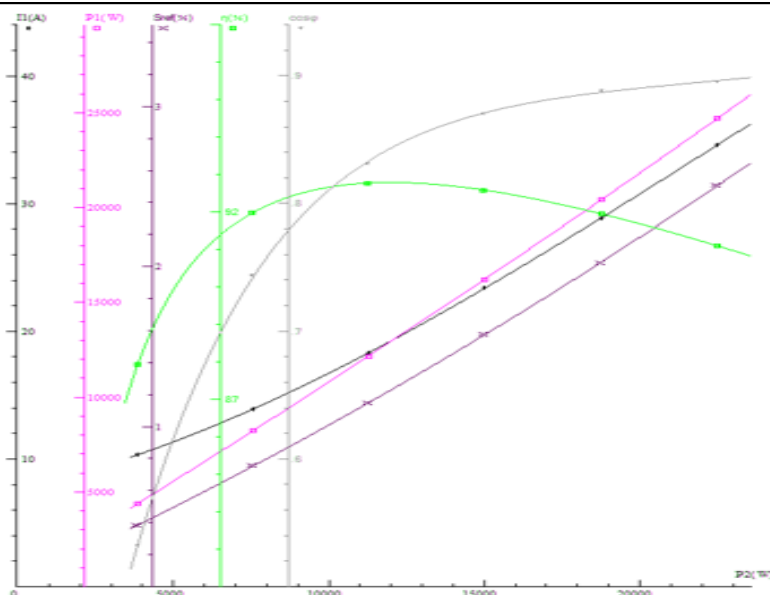
Model Number GR3-CI-TF-256TC-4-BR-D-20-230|460-60

MFG PN TFC256T20U4B

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data				General Data	
Rated Motor Output Power		20 HP		Frame Size	256
Rated Motor Speed		1770 r/min		Enclosure	TEFC
Rated Motor Voltage (3 Phase)		230 460-60 Volts - HZ		Approximate Weight	348
Rated Motor Current		46.8/23.4 Amps		NEMA Design	BE
Service Factor		1.25		IP Rating	55
KVA Code		K		Insulation Class	F
Nominal Efficiency		93 %		Tropicalization	YES
Nominal Power Factor		0.86 cosθ		Duty	Cont.
Full Load Torque Ft-Lb		71.84224 Ft-Lb		Cable Entry	1.25
Temp Rise @ Full Load °C		50.6		Feet Removable	YES
Efficiency Level		IE3 - NEMA Premium		Double Drilled	NO
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	280	211.2	Rated Altitude (M)	1000
Breakdown	-	352	-	Coating	7024 - Graphite Grey
Pull Up	-	206	-	Shaft Grounding	NO
125% of FL	1763	-	28.8	Brake Voltage (DC)	
75% of FL	1779	-	18.27	Brake Torque (N-M)	
50% of FL	1787	-	13.84	Mechanical Data	
No Load		-	8.72	Bearing DE Side	6309 C3
Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing NDE Side	6309 C3
				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 12 Lead Dual Voltage				
6 7 12 1 ↑ 4 8 10 2 ↑ 5 9 11 3 ↑ 230V RUN 4 7 12 1 ↑ 5 8 10 2 ↑ 6 9 11 3 ↑ 460V RUN 10 4 7 1 ↑ 11 5 8 2 ↑ 12 6 9 3 ↑ 398V RUN 10 4 7 1 ↑ 11 5 8 2 ↑ 12 6 9 3 ↑ 796V RUN					

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

FRAME: 256TC HP: RPM: PHASE: 3 VOLT: 208 - 230/460V ENCL: TEFC FREQ: 60 Hz FLA: LRA:

