



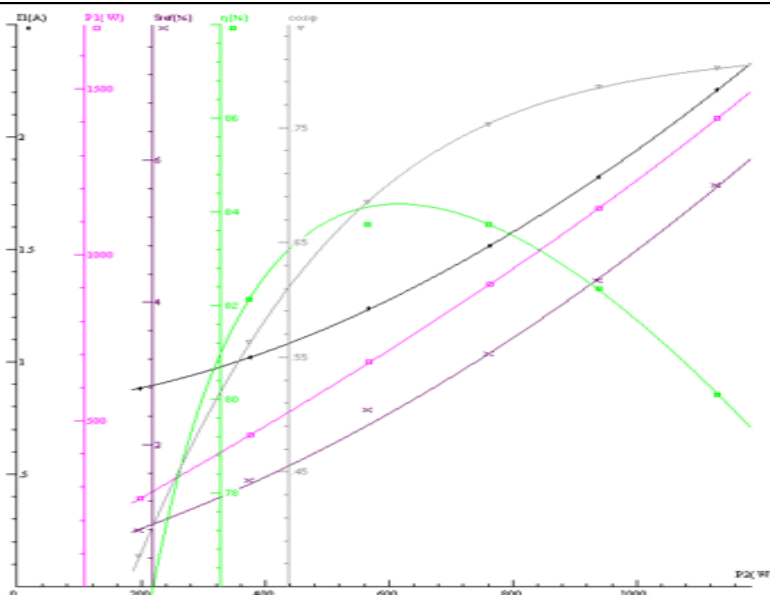
Model Number GR3-CI-TF-143TC-4-B-D-1-230|460-60

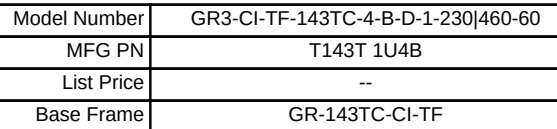
MFG PN T143T 1U4B

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	TEFC
Rated Motor Voltage (3 Phase)		230 460-60 Volts - HZ		Approximate Weight	50
Rated Motor Current		3/1.5 Amps		NEMA Design	BE
Service Factor		1.25		IP Rating	55
KVA Code		J		Insulation Class	F
Nominal Efficiency		85.5 %		Tropicalization	YES
Nominal Power Factor		0.75 cosθ		Duty	Cont.
Full Load Torque Ft-Lb		3.031536 Ft-Lb		Cable Entry	1.25
Temp Rise @ Full Load °C		36		Feet Removable	YES
Efficiency Level		IE3 - NEMA Premium		Double Drilled	NO
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	224	9.54	Rated Altitude (M)	1000
Breakdown	-	270	-	Coating	7024 - Graphite Grey
Pull Up	-	171	-	Shaft Grounding	NO
125% of FL	1722	-	1.82	Brake Voltage (DC)	
75% of FL	1759	-	1.22	Brake Torque (N-M)	
50% of FL	1774	-	1	Mechanical Data	
No Load	1197	-	0.83	Bearing DE Side	6205 ZZ
Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing NDE Side	6205 ZZ
				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 CONNECTIONS 4 5 6 7 8 9 1 2 3 LOW VOLTAGE 4 5 6 7 8 9 1 2 3 HIGH VOLTAGE					



Technical drawing of a 1000V, 100A, 3P+N+PE molded case circuit breaker (MCCB) showing front, side, and detail views with dimensions in inches.

Front View Dimensions:

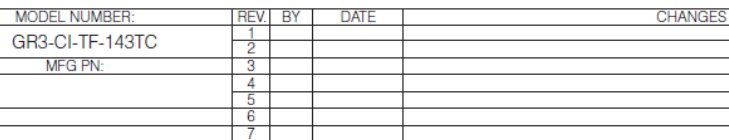
- Overall width: 7.0
- Overall height: 7.125
- Mounting hole pitch (center-to-center): 5.5
- Mounting hole diameter: $\frac{3}{4}$ - 14 NPSC
- Terminal hole diameter: $\frac{3}{8}$ - 16UNC - 2B, 0.56 DEEP
- Terminal pitch (center-to-center): 1.46
- Terminal width: 0.34
- Terminal depth: 0.55
- Internal feature width: 2.75
- Internal feature depth: 0.35
- Internal feature pitch: 5.875
- Internal feature angle: 45°
- Internal feature depth: 4.8

Side View Dimensions:

- Overall width: 13.38
- Overall height: 6.5
- Mounting hole pitch (center-to-center): 5.12
- Mounting hole diameter: $\frac{3}{8}$ - 16UNC - 2B, 0.56 DEEP
- Terminal hole diameter: $\frac{3}{4}$ - 14 NPSC
- Terminal pitch (center-to-center): 2.25
- Terminal width: 0.12
- Terminal depth: 0.16
- Terminal depth (minimum): 1.41min
- Internal feature width: 4.0
- Internal feature depth: 2.25
- Internal feature pitch: 5.875
- Internal feature angle: 45°
- Internal feature depth: 4.8

Detail View Dimensions:

- Overall width: 0.875
- Overall height: 0.771
- Mounting hole pitch (center-to-center): 0.188
- Mounting hole diameter: $\frac{3}{8}$ - 16UNC - 2B, 0.56 DEEP
- Terminal hole diameter: $\frac{3}{4}$ - 14 NPSC
- Terminal pitch (center-to-center): 0.188
- Terminal width: 0.12
- Terminal depth: 0.16
- Terminal depth (minimum): 1.41min
- Internal feature width: 4.0
- Internal feature depth: 2.25
- Internal feature pitch: 5.875
- Internal feature angle: 45°
- Internal feature depth: 4.8



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