



Model Number

GR3-CI-TF-143T-4-B-F-1-575-60

MFG PN

T143T1U4B

List Price

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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)	575-60 Volts - HZ	Approximate Weight	49.3075
Rated Motor Current	1.2 Amps	NEMA Design	B
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	7.6	Rated Altitude (M)	1000
Breakdown	-	270	-	Coating	7024 - Graphite Grey
Pull Up	-	171	-	Shaft Grounding	NO
125% of FL	1722	-	1.45	Brake Voltage (DC)	--
75% of FL	1759	-	0.97	Brake Torque (N-M)	--
50% of FL	1774	-	0.8	Mechanical Data	
No Load	1197	-	0.66		

Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing DE Side	6205ZZ
				Bearing NDE Side	6205ZZ
				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		

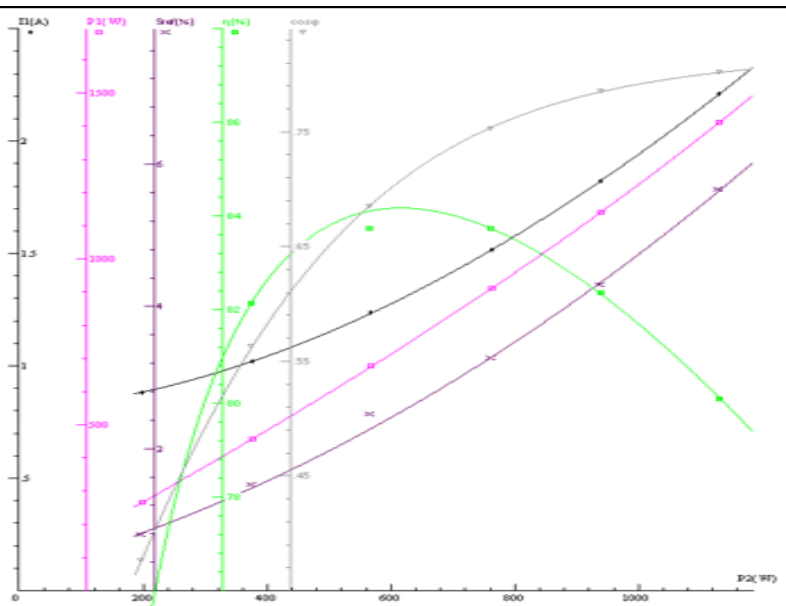
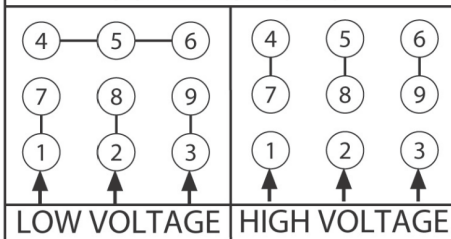
3 Phase - YY/Y - 9 Lead

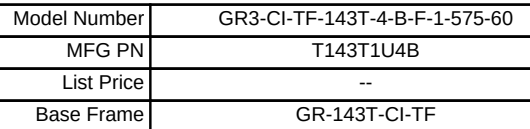
4,1 Blue / 5,2 White / 6,3 Org / 7 Yl / 8 Blk / 9 RD

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





Technical drawing of the 1000 Series 1000V 300A Air Circuit Breaker (ACB) showing front, side, and detail views with dimensions in inches.

Front View Dimensions:

- Overall Width: 7.0
- Overall Height: 7.125
- Top Flange Width: 5.9
- Left Flange Height: 4.8
- Mounting Hole Pattern: 4 X 0.34
- Bottom Flange Width: 5.5
- Bottom Flange Height: 0.55
- Internal Spacing: 1.46, 2.75
- Terminal Hole Diameter: 0.771
- Terminal Hole Spacing: 0.188
- Terminal Hole Diameter: 0.188
- Terminal Hole Spacing: 0.875

Side View Dimensions:

- Overall Width: 13.38
- Overall Height: 7.25
- Top Flange Width: 4.57
- Top Flange Height: 1.94
- Mounting Hole Pattern: 4 X 0.34
- Bottom Flange Width: 5.12
- Bottom Flange Height: 2.25
- Internal Spacing: 4.0
- Terminal Hole Diameter: 1.41min

Detail View Dimensions:

- Terminal Hole Diameter: 0.771
- Terminal Hole Spacing: 0.188
- Terminal Hole Diameter: 0.188
- Terminal Hole Spacing: 0.875

Labels:

- NAMEPLATE
- WARNING ISOLATE CIRCUIT BEFORE REMOVAL
- 3/4-14 NPSC



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