



Model Number GR3-CI-OP-286TC-4-BR-D-30-230|460-60

MFG PN TDC286T30U4B

List Price --

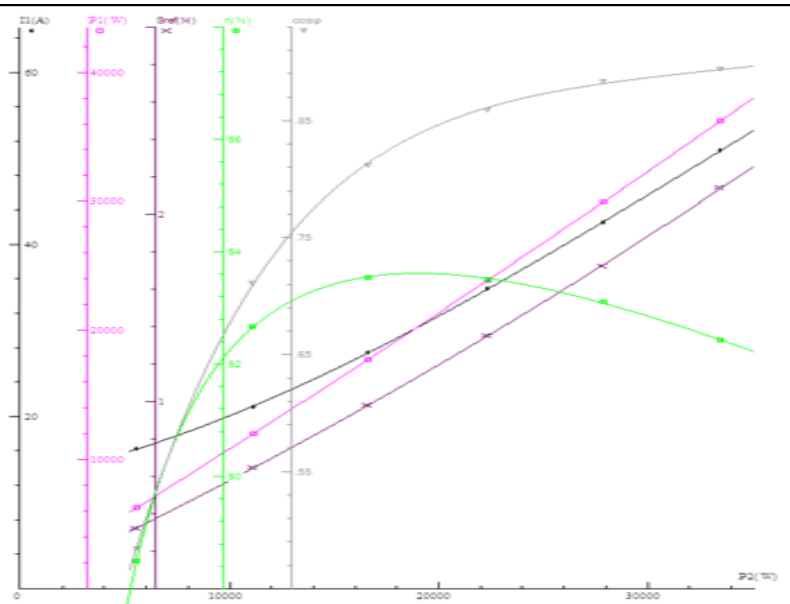
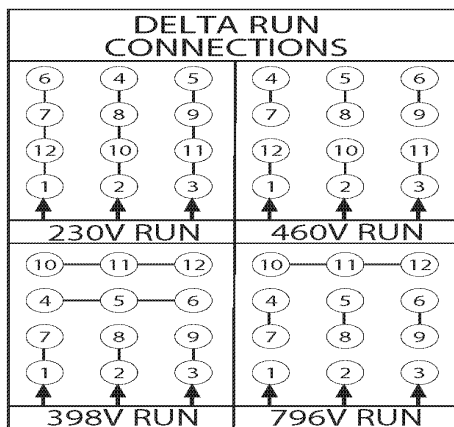
All data shown at HIGH voltage setting

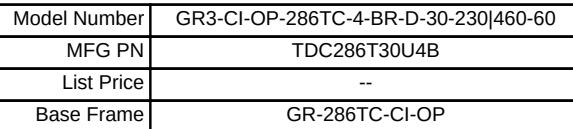
Format STD 3 Phase

Electrical Data				General Data	
Rated Motor Output Power	30 HP			Frame Size	286
Rated Motor Speed	1770 r/min			Enclosure	ODP
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ			Approximate Weight	429
Rated Motor Current	70.61/35.3 Amps			NEMA Design	A
Service Factor	1.15			IP Rating	55
KVA Code	F			Insulation Class	F
Nominal Efficiency	94.1 %			Tropicalization	YES
Nominal Power Factor	85 cosθ			Duty	Cont.
Full Load Torque Ft-Lb	88.89 Ft-Lb			Cable Entry	1.25
Temp Rise @ Full Load °C	59.6			Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium			Double Drilled	NO
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	250	214	Rated Altitude (M)	1000
Breakdown	-	290	-	Coating	7024 - Graphite Grey
Pull Up	-	164	-	Shaft Grounding	NO
125% of FL	1764	-	41.44	Brake Voltage (DC)	--
75% of FL	1779	-	26.23	Brake Torque (N-M)	--
50% of FL	1786	-	19.57	Mechanical Data	
No Load	--	-	11.17	Bearing DE Side	6311 C3
Hazardous Location	--			Bearing NDE Side	6311 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		





Technical drawings of the 1000W 230V 50Hz motor showing front, side, and terminal views with dimensions in mm.

Front View Dimensions:

- Overall width: 10.81
- Overall height: 17.7
- Flange diameter: 9.0
- Flange thickness: 0.75 DEEP
- Flange thread: $\frac{1}{2}$ - 13UNC - 2B
- Mounting bracket width: 6.77
- Mounting bracket height: 0.98
- Base width: 13.7
- Base height: 7.0
- Base mounting hole diameter: 0.53
- Base mounting hole spacing: 5.5
- Base mounting hole offset: 2.95
- Base mounting hole diameter: 11

Side View Dimensions:

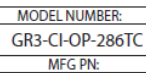
- Overall width: 27.1
- Overall height: 11.25 max
- Flange diameter: 6.54
- Flange offset: 7.08
- Flange thickness: 0.25 min
- Flange offset: 0.25
- Flange offset: 3.29 min
- Flange offset: 10.5
- Flange offset: 4.75
- Flange offset: 4.62
- Flange offset: 9.5
- Flange offset: 11.0
- Flange offset: 13.7
- Flange offset: 27.1

Terminal View Dimensions:

- Terminal block width: 1.875
- Terminal block height: 1.591
- Terminal block offset: 0.5
- Terminal block offset: 0.5
- Terminal block thread: $1\frac{1}{2}$ - $11\frac{1}{2}$ NPSC

Warnings:

- WARNING ISOLATE CIRCUIT BEFORE REMOVAL



REV.	BY	DATE
1		
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3		
4		
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6		
7		

CHANGES

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