



Model Number GR3-CI-TF-280MB35-4-BR-D-125-230|460-60

MFG PN T 280M1-4

List Price --

All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data

General Data

Rated Motor Output Power	125 HP	Frame Size	280
Rated Motor Speed	1785 r/min	Enclosure	TEFC
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ	Approximate Weight	1408
Rated Motor Current	266.1/133.0 Amps	NEMA Design	A
Service Factor	1.15	IP Rating	55
KVA Code	K	Insulation Class	F
Nominal Efficiency	95.4 %	Tropicalization	YES
Nominal Power Factor	0.89 cosθ	Duty	Cont.
Full Load Torque Ft-Lb	365.112 Ft-Lb	Cable Entry	M50 X 1.5
Temp Rise @ Full Load °C	72.5	Feet Removable	YES
Efficiency Level	IE3 - NEMA Premium	Double Drilled	NO

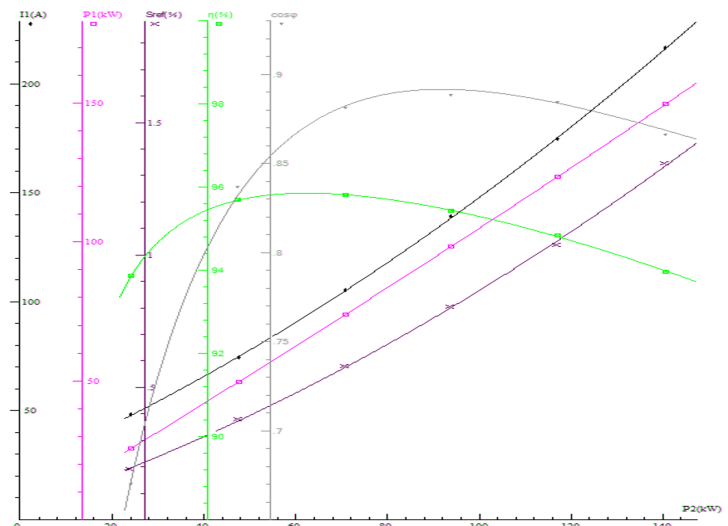
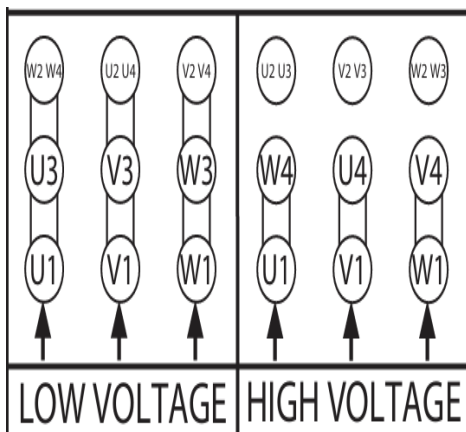
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40
Locked Rotor	-	197	1260	Rated Altitude (M)	1000
Breakdown	-	185	-	Coating	7024 - Graphite Grey
Pull Up	-	89	-	Shaft Grounding	NO
125% of FL	1781	-	174	Brake Voltage (DC)	--
75% of FL	1790	-	103.68	Brake Torque (N-M)	--
50% of FL	1793	-	73.63	Mechanical Data	
No Load	--	-	33.66		

Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing DE Side	6316 C3
				Bearing NDE Side	6316 C3
				Moment of Inertia	-- kg.m2
				Noise Level	Per NEMA dB (A)

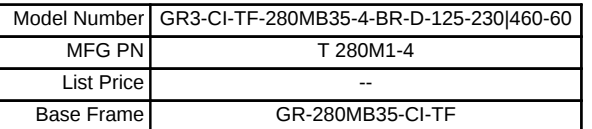
CT VFD Range	--	Loaded Torque Curves	--
P1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), cosφ = Power Factor			

Certifications	UL	CSA	DOE
File Numbers	323353	224693	096A

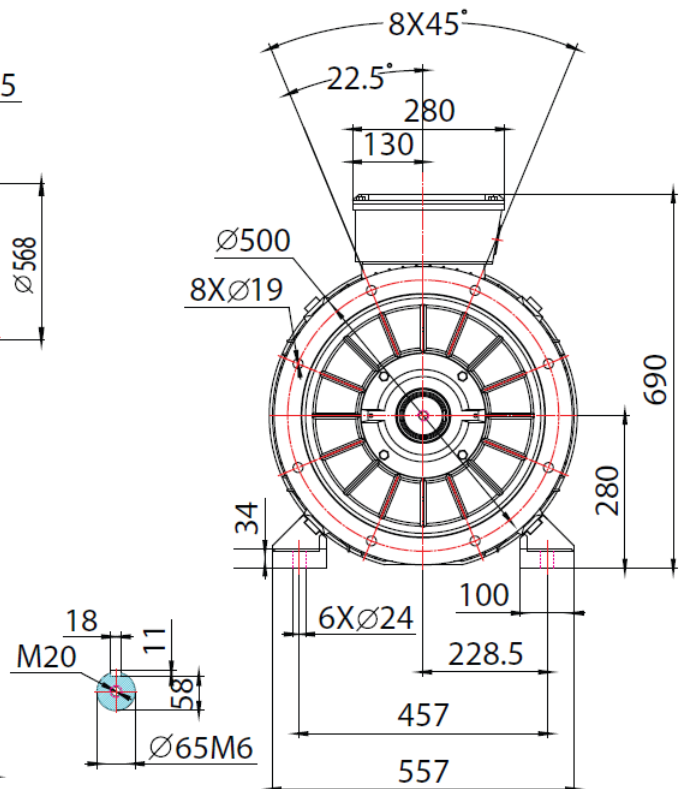
Wiring Diagram	3PH 12 Lead IEC Dual Voltage
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Technical drawing of the front view of a 1000W, 230V, 50Hz electric heater. The drawing shows a rectangular unit with a top-mounted control box. Key dimensions include a total width of 1047mm, a total height of 550mm, and a mounting flange diameter of 450JS6. The top control box has a width of 245mm and a height of 539.5mm. The main body has a width of 368mm and a height of 419mm. The drawing also indicates 2x M50 x 1.5 mounting holes and a 23mm top flange thickness.



	MODEL NUMBER:		REV.	BY	DATE	CHANGES
	GR3-CI-TF-280MB35-2P-CFC		1			
			2			
	MFG PN:		3			
	MATERIAL: ALUMINUM		4			
	UNITS: INCH	BY: SSEE	5			
	DRAWN: 8/20/2018		6			
WWW.TECHTOP.COM		7				

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