



Model Number GR3-CI-TF-405T-4-RR-D-100-230|460-60

MFG PN T405T 100U4B

List Price --

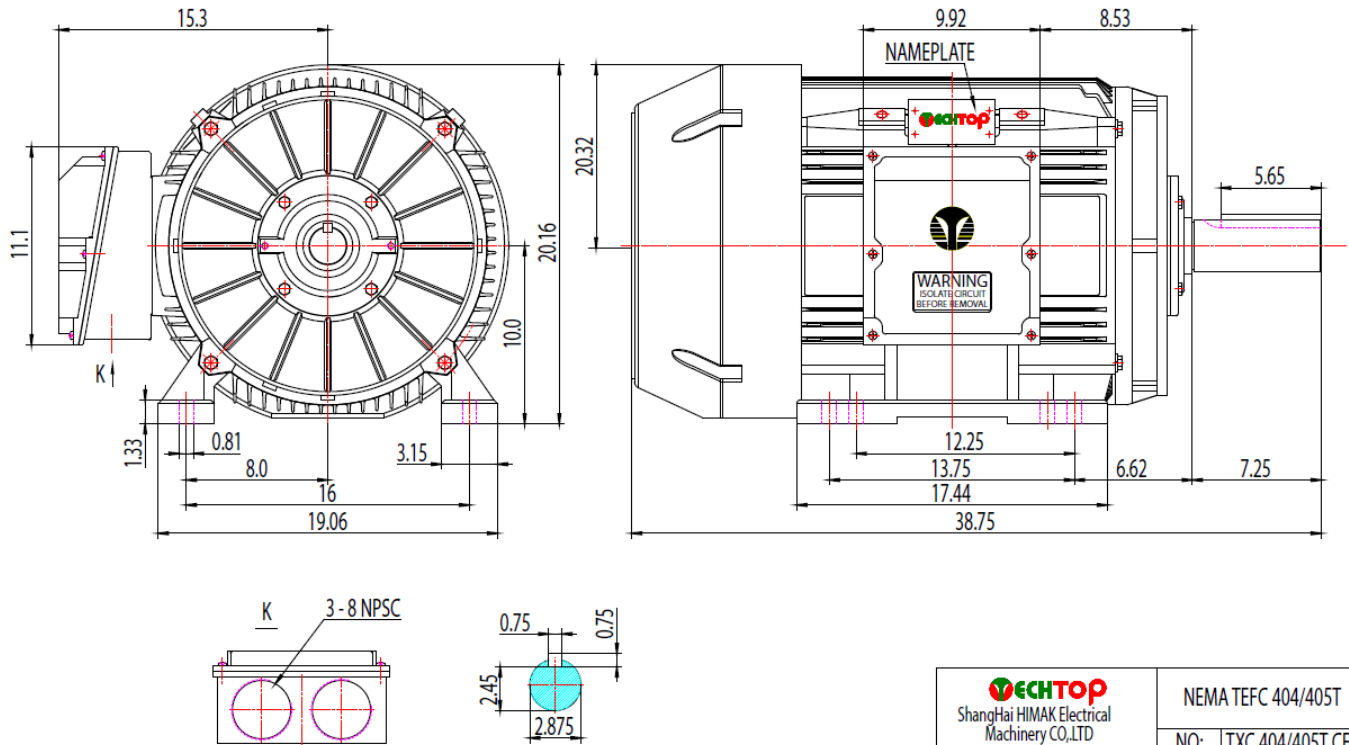
All data shown at HIGH voltage setting

Format STD 3 Phase

Electrical Data				General Data																																																																							
Rated Motor Output Power		100 HP		Frame Size	405																																																																						
Rated Motor Speed		1780 r/min		Enclosure	TEFC																																																																						
Rated Motor Voltage (3 Phase)		230 460-60 Volts - HZ		Approximate Weight	1064																																																																						
Rated Motor Current		228/114 Amps		NEMA Design	BE																																																																						
Service Factor		1.15		IP Rating	55																																																																						
KVA Code		L		Insulation Class	F																																																																						
Nominal Efficiency		95.4 %		Tropicalization	YES																																																																						
Nominal Power Factor		0.86 cosθ		Duty	Cont.																																																																						
Full Load Torque Ft-Lb		294.3024 Ft-Lb		Cable Entry	1.25																																																																						
Temp Rise @ Full Load °C		70.3		Feet Removable	YES																																																																						
Efficiency Level		IE3 - NEMA Premium		Double Drilled	NO																																																																						
Load Data	RPM	Trq %FL	Current Amps	Rated Ambient (°C)	40																																																																						
Locked Rotor	-	332	1130	Rated Altitude (M)	1000																																																																						
Breakdown	-	154	-	Coating	7024 - Graphite Grey																																																																						
Pull Up	-	99	-	Shaft Grounding	NO																																																																						
125% of FL	1778	-	141.43	Brake Voltage (DC)																																																																							
75% of FL	1788	-	87.98	Brake Torque (N-M)																																																																							
50% of FL	1792	-	65.67	Mechanical Data																																																																							
No Load		-	41.22	Bearing DE Side	NU 316																																																																						
Hazardous Location	Class 1, Div 2, Grp A,B,C,D			Bearing NDE Side	6314 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																																																																										
DELTA RUN CONNECTIONS<table><tr><td>6</td><td>4</td><td>5</td><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td><td>7</td><td>8</td><td>9</td></tr><tr><td>12</td><td>10</td><td>11</td><td>12</td><td>10</td><td>11</td></tr><tr><td>1</td><td>2</td><td>3</td><td>1</td><td>2</td><td>3</td></tr><tr><td>↑</td><td>↑</td><td>↑</td><td>↑</td><td>↑</td><td>↑</td></tr><tr><td colspan="3">230V RUN</td><td colspan="3">460V RUN</td></tr><tr><td>10</td><td>11</td><td>12</td><td>10</td><td>11</td><td>12</td></tr><tr><td>4</td><td>5</td><td>6</td><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td><td>7</td><td>8</td><td>9</td></tr><tr><td>1</td><td>2</td><td>3</td><td>1</td><td>2</td><td>3</td></tr><tr><td>↑</td><td>↑</td><td>↑</td><td>↑</td><td>↑</td><td>↑</td></tr><tr><td colspan="3">398V RUN</td><td colspan="3">796V RUN</td></tr></table>						6	4	5	4	5	6	7	8	9	7	8	9	12	10	11	12	10	11	1	2	3	1	2	3	↑	↑	↑	↑	↑	↑	230V RUN			460V RUN			10	11	12	10	11	12	4	5	6	4	5	6	7	8	9	7	8	9	1	2	3	1	2	3	↑	↑	↑	↑	↑	↑	398V RUN			796V RUN
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 ShangHai HIMAK Electrical Machinery CO.,LTD		NEMA TEFC 404/405T	
Design	Yang	Standard	
Checker	01.06.2016	Allow	
Auditing		Date	
NO: TXC 404/405T CFC		STEP MARK 1:3.5 SORT Cast iron Motor	