



Model NumberGR3-CI-TF-213JM-4-B-D-7.5-230|460-60

MFG PNT213T7.5U4B

List Price--

All data shown at HIGH voltage setting

FormatSTD 3 Phase

Electrical Data

General Data

Rated Motor Output Power	7.5 HP
Rated Motor Speed	1750 r/min
Rated Motor Voltage (3 Phase)	230 460-60 Volts - HZ
Rated Motor Current	17.8/8.9 Amps
Service Factor	1.25
KVA Code	J
Nominal Efficiency	91.7 %
Nominal Power Factor	0.86 cos θ
Full Load Torque Ft-Lb	22.046864 Ft-Lb
Temp Rise @ Full Load °C	37.3
Efficiency Level	IE3 - NEMA Premium

Frame Size	213
Enclosure	TEFC
Approximate Weight	156
NEMA Design	BE
IP Rating	55
Insulation Class	F
Tropicalization	YES
Duty	Cont.
Cable Entry	1.25
Feet Removable	YES
Double Drilled	NO

Load Data	RPM	Trq %FL	Current Amps
Locked Rotor	-	230	76.01
Breakdown	-	324	-
Pull Up	-	484	-
125% of FL	1752	-	10.89
75% of FL	1773	-	6.8
50% of FL	1782	-	5.11
No Load		-	3.22

Rated Ambient (°C)	40
Rated Altitude (M)	1000
Coating	7024 - Graphite Grey
Shaft Grounding	NO
Brake Voltage (DC)	
Brake Torque (N-M)	

Mechanical Data

Bearing DE Side	6308 ZZ
Bearing NDE Side	6308 ZZ
Moment of Inertia	kg.m2
Noise Level	Per NEMA dB (A)

Class 1, Div 2, Grp A,B,C,D

Loaded Torque Curves

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CT VFD Range

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 P_1 = INPUT POWER (KW), S = Slip (% of Sync RPM), η = Efficiency (%), $\cos\phi$ = Power Factor

CertificationsULCSADOE

File Numbers323353224693096A

Wiring Diagram3PH 9 Lead Dual Voltage

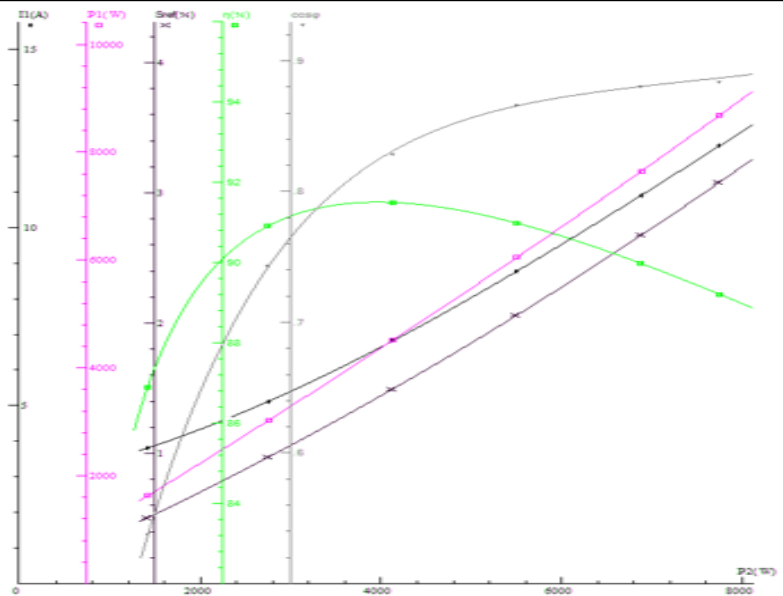
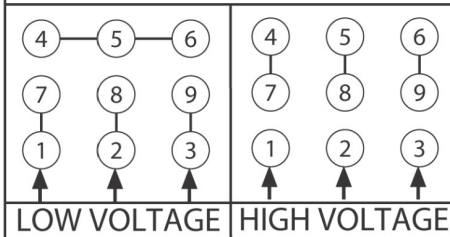
3 Phase - YY/Y - 9 Lead

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

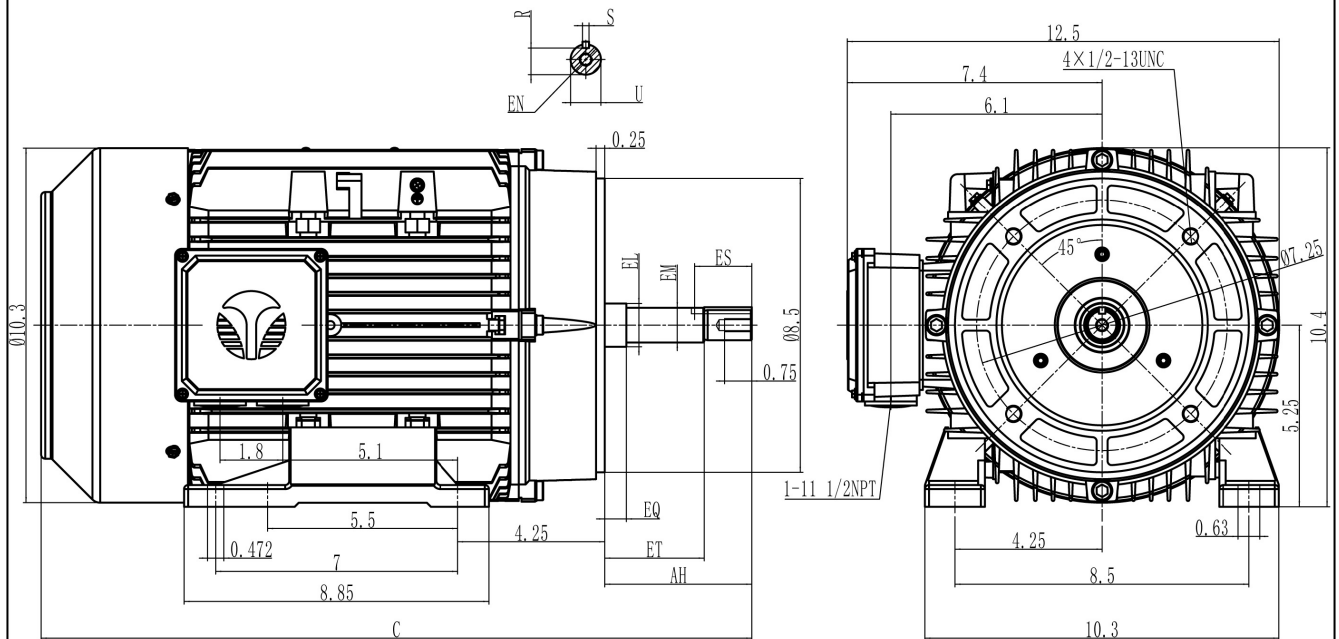
Aluminum - 4,5,6,8,9 Top - 1,2,3,7 Bottom

CONNECTIONS



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

FRAME: HP: RPM: PHASE: VOLT: ENCL: FREQ: FLA: LRA:



MODEL	AH	EQ	ET	C	EL	EM	EN	ES	U	R	S
2101W	4.25	0.625	2.875	20.6	1.25	1.0	3/8-16UNC	1.65	0.8745	0.771	0.1875X0.1875X1.375
2101P	8.125	2.375	5.875	24.5	1.75	1.375	1/2-13UNC	2.53	1.2495	1.112	0.25X0.25X2.41



MODEL: NEMA210JM-JP
REV.DISC:

SCALE: 1:2.5
VERSION:

DATE:
REVISED:

UNITS:
BY:

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