

PRODUCT INFORMATION PACKET

Model No: 215TTFC6081

Catalog No: E004

5 HP General Purpose Motor, 3 phase, 1200 RPM, 575 V, 215T Frame, TEFC
General Purpose Motors



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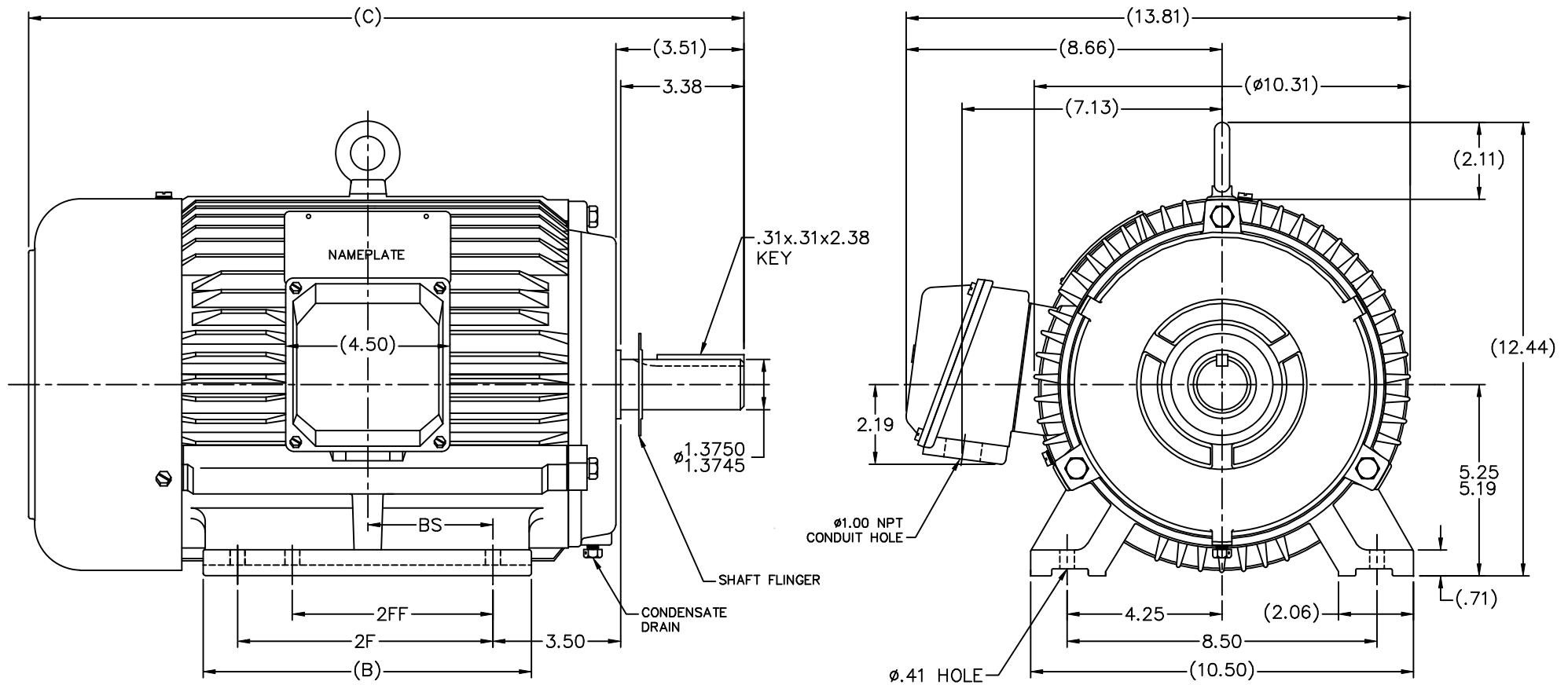
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	575 V
Current	5.6 A	Speed	1180 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	71.4
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6306
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	19.62 in
Shaft Diameter	1.380 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	16953660ME	Connection Drawing	00510201ME

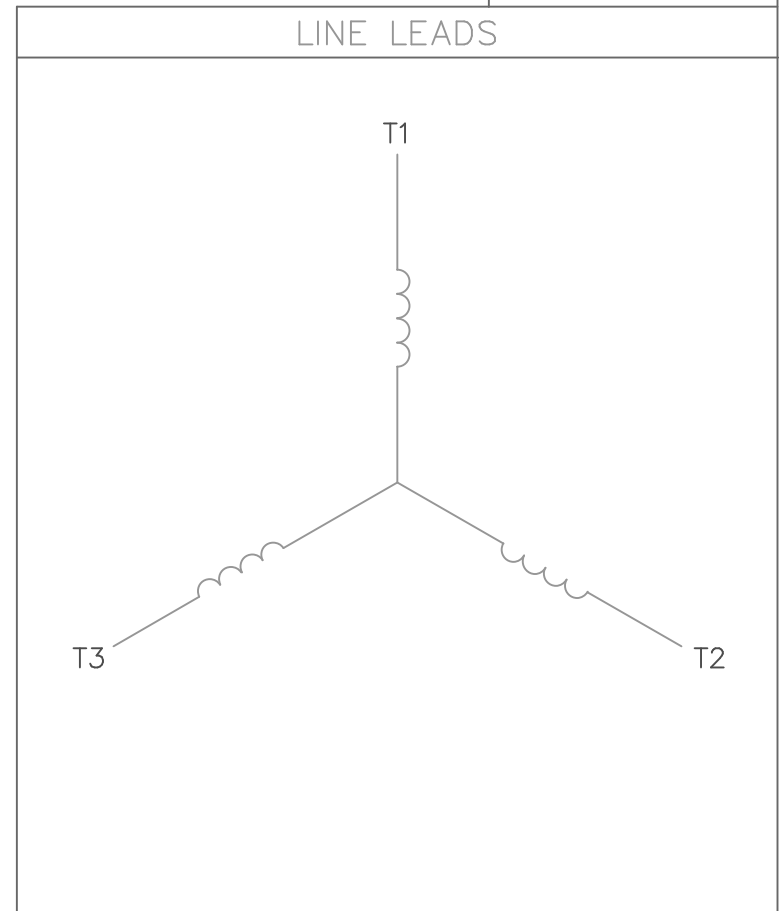
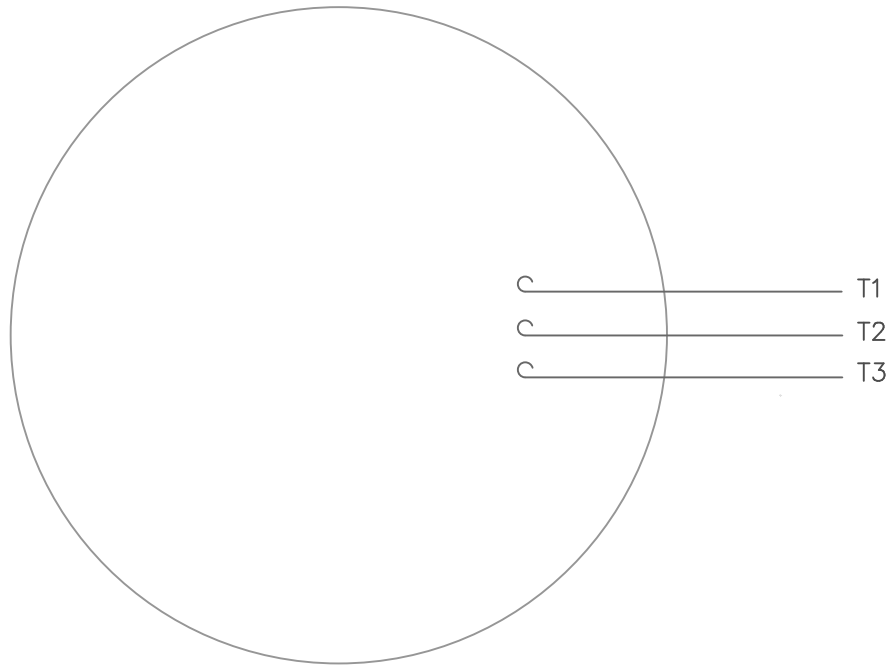
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1100	215T	19.61	--	9.00	7.00	5.00	--	3.43
958	213T	18.19	--	7.50	5.50	--	--	2.72
DASH	FRAME	C	AG	B	2F	2FF	2FFF	BS


		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN TJB 01-08-2004		
		DEC.	INCHES			CHK ML 01-08-2004		
		.X	±.1			APPD GK 01-08-2004		
		.XX	±.03	TITLE OUTLINE - RIGID MOUNT		SCALE 3=8		
		.XXX	±.005	213/15T FR. - TEFC		REF		
		.XXXX	±.0005	MAT'L		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV	
		THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP 01-08-2004	CAD FILE 16953660ME	SIZE DRAWING NO. PAGE OF REV.
						DIST	B 169536-60ME	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



CONNECT LEADS AS FOLLOWS
FOR FOUR CONDUCTOR CORD ()

CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

		TOLERANCES UNLESS SPECIFIED				DRAWN RDW 5/1/02			
		DEC.	INCHES			CHK			
		.X	±.1			APPD			
		.XX	±.01			SCALE 1=1			
		.XXX	±.005			REF			
		.XXXX	±.0005	MAT'L. DECAL - 004169		FMF			
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP	5/1/02	CAD FILE	00510201ME	SIZE A	DRAWING NO. 005102-01ME	REV.
			DIST						

Data Sheet

215TTC6081

Date: 12/14/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



Submittal

Data @ 575 V

Motor Load Data

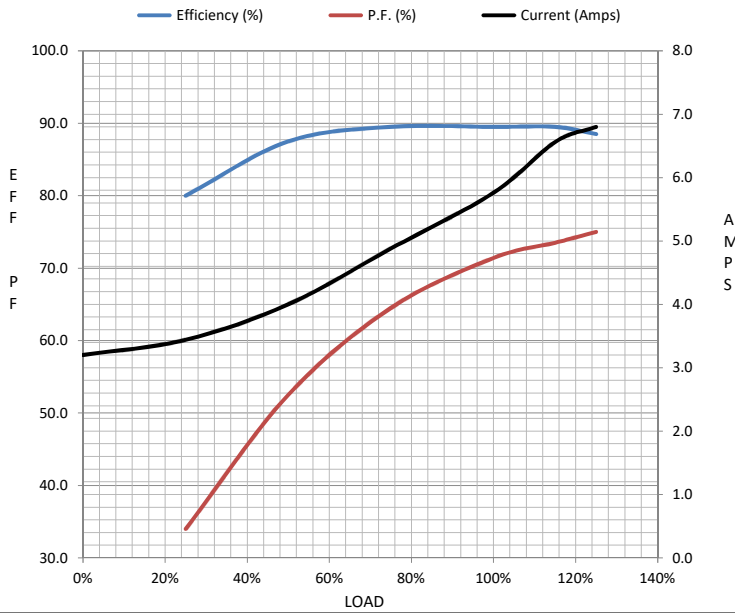
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	3.2	3.4	4.0	4.9	5.8	6.6	6.8	36.4
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.2	25.6	28.0	47.0
RPM	1200	1195	1190	1185	1180	1,178	1175	0
Efficiency (%)		80.0	87.5	89.5	89.5	89.5	88.5	
P.F. (%)	6.5	34.0	52.5	64.5	71.4	73.5	75.0	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1000	1180	1200
Current (Amps)	36.4	32.8	22.8	5.8	3.2
Torque (ft-lb)	47.0	36.0	76.0	22.2	0.00

Information Block

HP	5.0			
Sync. RPM	1200			
Frame	215			
Enclosure	TEFC			
Construction	TFS			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	40 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T10706002 NONE			
Sound Pressure @ 1M	999 dBA			
VFD Rating	CONSTANT 20:1			
Outline Dwg	16953660ME			
Conn. Diag	5102.01ME			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

