PRODUCT INFORMATION PACKET

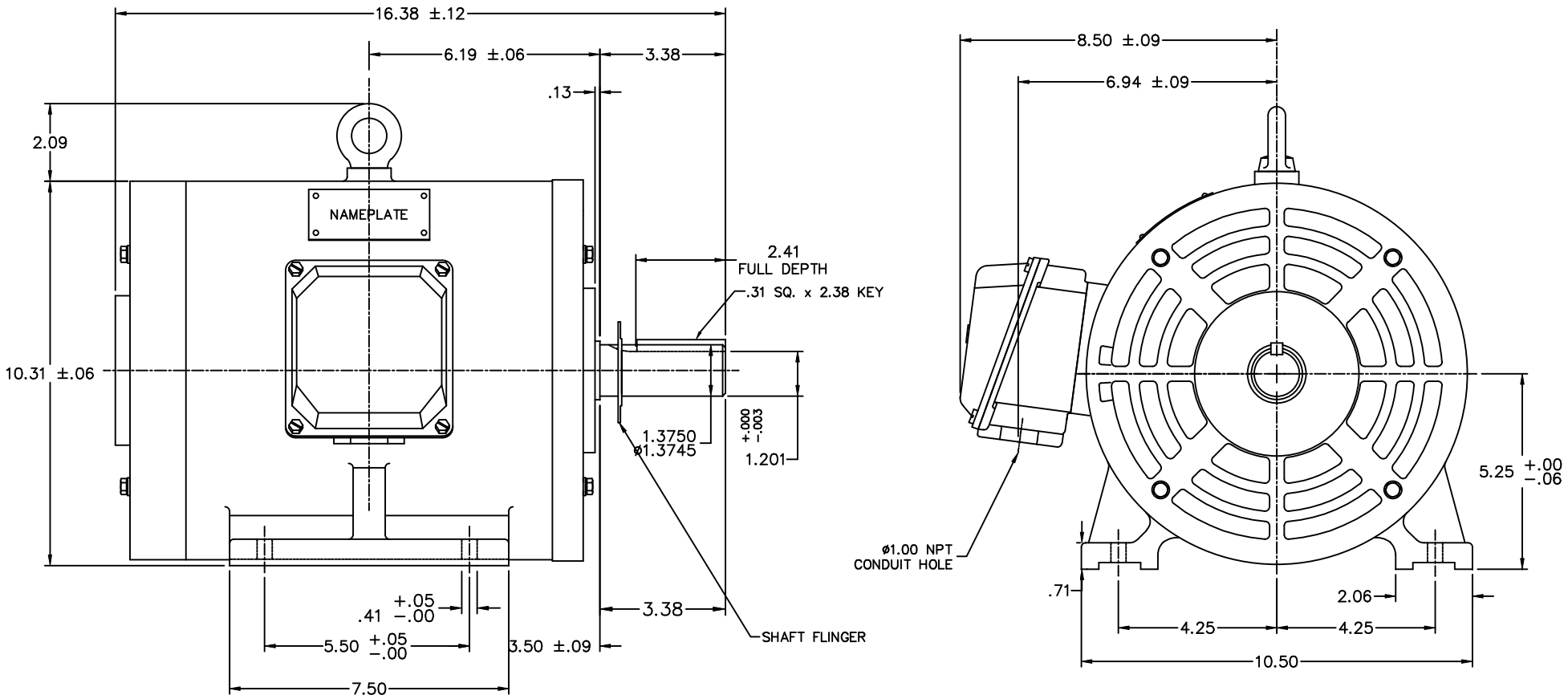
Model No: 213TTDC6003
Catalog No: U283
10 HP General Purpose Motor, 3 phase, 3600 RPM, 575 V, 213T Frame, ODP
General Purpose Motors

Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	575 V
Current	9.5 A	Speed	3525 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Power Factor	87.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	213T	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

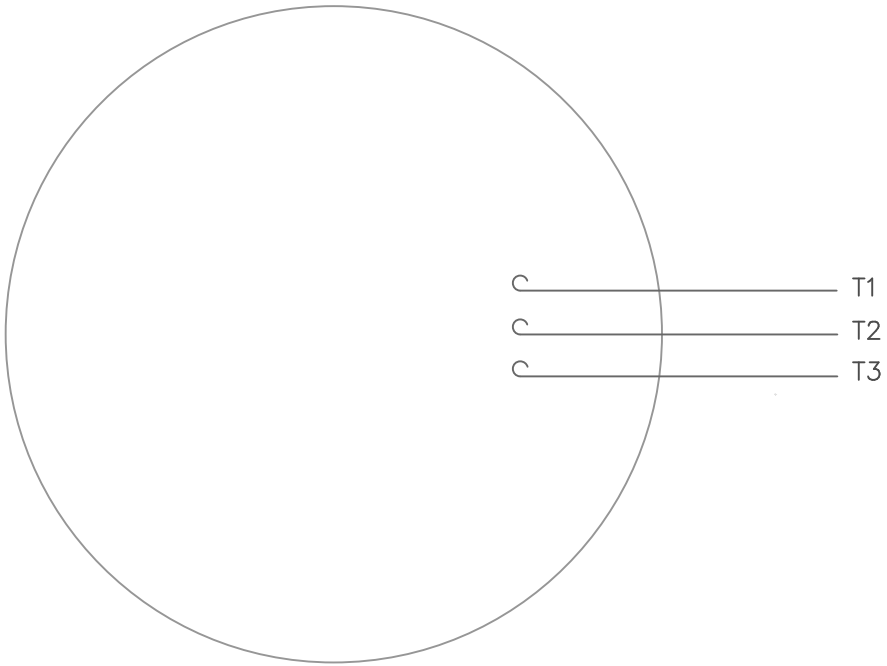
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	1.068 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	16.38 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1/F2 Capable	Inverter Load	CONSTANT 10:1
Outline Drawing	169549.60ME	Connection Drawing	005102.01ME

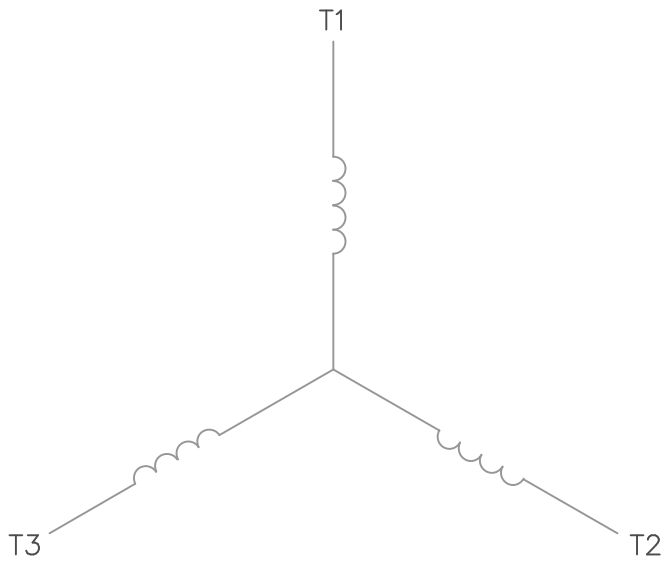


				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN CTO 04-23-2002
				DEC.	INCHES			CHK ML 05-20-2002
				.X	±.1			APPD SB 05-21-2002
				.XX	±.03	TITLE OUTLINE – 213T FRAME		SCALE 1=1
				.XXX	±.005	ODP, RIGID MOUNT, NEW CON-BOX		REF 169515
1	NEW DRAWING	CTO 5/21/02		.XXXX	±.0005	MAT'L. CAST IRON		FMF
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°	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			CAD FILE 16954960me	SIZE B	DRAWING NO. 169549-60ME REV. 1
			DIST					

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



CONNECT LEADS AS FOLLOWS
FOR FOUR CONDUCTOR CORD ( )

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

NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

MARATHON ELECTRIC

TITLE: EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR

MAT'L.: DECAL – 004169

FINISH:

DRAWN: RDW 5/1/02
CHK:
APPD:
SCALE: 1=1
REF:
FMF:
PREV:

RFP 5/1/02
DIST

CAD FILE: 00510201ME

SIZE	DRAWING NO.	REV.
A	005102-01ME	

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CERTIFICATION DATA SHEET

Model#:	213TTDC6003 AA	**WINDING#:**	T10702006 NONE 4
CONN. DIAGRAM:	5102.01	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	169549.60ME		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.5	3600	3525	213T	DP	H	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	9.5	LINE OR INVERTER	CONTINUOUS	F2	1.15/1.0	40	3300

FULL LOAD EFF: 90.2	3/4 LOAD EFF: 90.2	1/2 LOAD EFF: 88.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 87.5	3/4 LOAD PF: 84	1/2 LOAD PF: 76	89.5	SQ CAGE INV RATED	3.4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
15 LB-FT	64.8	30 LB-FT 200	55 LB-FT 368	50

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
53 dBA	63 dBA	- LB-FT^2	- LB-FT^2	- SEC.	-	150 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6308	BALL 6208	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 10:1
INV. HP SPEED RANGE: 1.5 X BASE SPEED

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
- FT-LB NONE V NONE Hz

* NOTES *

DATE: 06/22/2017 04:53:25 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 6/20/2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon electric

213TTDC6003

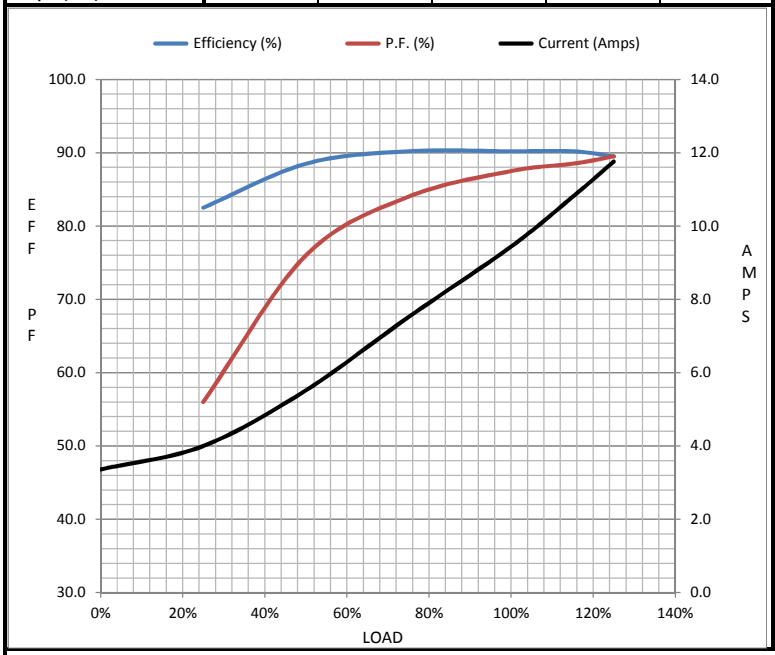
Submittal
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.4	4.0	5.5	7.5	9.4	10.8	11.8	64.8	
Torque (ft-lb)	0.00	3.7	7.4	11.2	15.0	17.3	18.7	30.0	
RPM	3600	3585	3565	3545	3530	3,515	3505	0	
Efficiency (%)		82.5	88.5	90.2	90.2	90.2	89.5		
P.F. (%)	9.0	56.0	76.0	84.0	87.5	88.5	89.5	45.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	3100	3530	3600
Current (Amps)	64.8	62.4	43.2	9.4	3.4
Torque (ft-lb)	30.0	25.0	55.0	15.0	0.00



Information Block

HP	10.0	
Sync. RPM	3600	
Frame	213	
Enclosure	DP	
Construction	TDC	
Voltage	575	V
Frequency	60	Hz
Design	B	
LR Code letter	H	
Service Factor	1.15	
Temp Rise @ FL	50	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.00	Lb-Ft²
Ref Wdg	T10702006	NONE
Sound Pressure @ 1M	53	dBA
VFD Rating	CONSTANT 10:1	
Outline Dwg	169549.60ME	
Conn. Diag	5102.01	
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