

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 213TTDC6076

Catalog No: U268

XRI® General Purpose General Purpose Motor, 3 & 3 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 200/400 V,
1200 & 1000 RPM, 213T Frame, DP



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RegalRexnord

Nameplate Specifications

Phase	3	Output HP	3 & 3 Hp
Output KW	2.2 & 2.2 kW	Voltage	208-230/460 & 200/400 V
Speed	1185 & 980 rpm	Service Factor	1.15 & 1.15
Frame	213T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	88.5 & 87.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	10.2-10/5 & 11.4/5.7 A	Power Factor	63.2
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
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 ONLY
Outline Drawing	16954960ME	Connection Drawing	005010-20ME

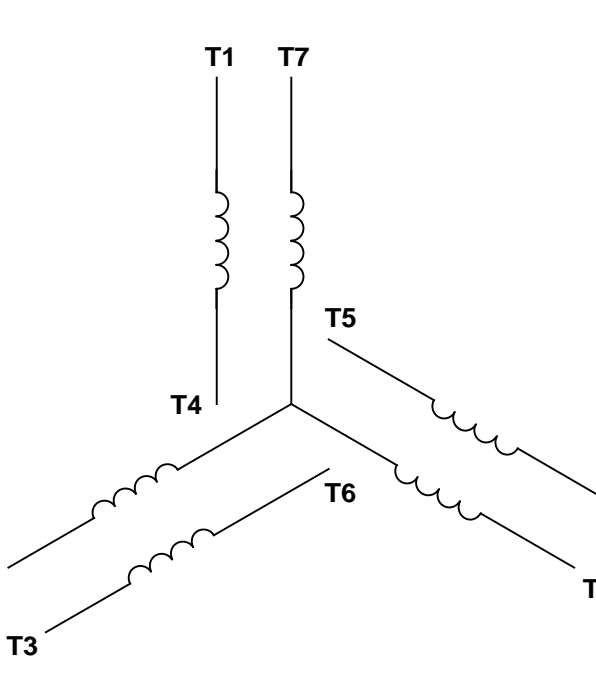
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A large circle is divided into 10 equal segments. The segments are labeled as follows:

- T1
- T2
- T3
- T4
- T5
- T6
- T7
- T8
- T9
- TSTAT(S)

The TSTAT(S) segment is highlighted with a light blue background. The labels T1 through T9 are positioned to the right of their respective segments, while TSTAT(S) is inside its segment.

LINE LEADS



The diagram illustrates the connections for a 12-lead ECG machine. It is divided into two main sections: "LINE LEADS" and "ECG LEADS".


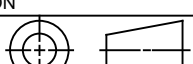
LINE LEADS: This section shows a central point with six lines extending outwards, labeled T1, T7, T4, T5, T6, and T8. These lines are connected to the corresponding leads on the ECG machine.

ECG LEADS: This section shows a central point with six lines extending outwards, labeled T9, T3, T2, T6, T8, and T5. These lines are connected to the corresponding leads on the ECG machine.

The connections are as follows:

- T1 is connected to Lead I.
- T7 is connected to Lead II.
- T4 is connected to Lead III.
- T5 is connected to Lead aVR.
- T6 is connected to Lead aVL.
- T8 is connected to Lead aVF.

The lines for V1, V2, V3, V4, V5, and V6 are also shown, but they are not connected to any of the line leads.

				TOLERANCES UNLESS SPECIFIED				DRAWN RDW 04/13/04		
				DEC	INCHES			CHK		
				.X	±.1			APPR		
				.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE		SCALE 1:1		
				.XXX	±.005			REF		
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XXXX	±.0005	MAT'L DECAL - 004014 (TSTAT) - 080582		FMF 129027		
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH		PAGE	OF	
<div>THIRD ANGLE PROJECTION</div> 			RFP		PREV		SIZE	DRAWING NO		REV
			NETWORK FILE NAME 00501020ME		A		005010-20ME		--	

CERTIFICATION DATA SHEET

Model#: 213TTDC6076 AA

WINDING#: T10706007 NONE 3

CONN. DIAGRAM: 005010-20ME

ASSEMBLY: F1 ONLY

OUTLINE: 169549-60ME

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3&3	2.24&2.24	1200	1185&980	213T	DP	K	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#200/ 400	10.2- 10/5&11.4/5.7	ACROSS THE LINE	CONTINUOU S	F2	1.15/1.15	40	3300

FULL LOAD EFF: 88.5&87.5	3/4 LOAD EFF: 88	1/2 LOAD EFF: 85.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 63.2&55	3/4 LOAD PF: 55	1/2 LOAD PF: 43	87.5	SQ CAGE IND RUN	6.4 / 3.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
13.3 LB-FT	62 / 31	29.5 LB-FT 222	50 LB-FT 376	24

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	- LB-FT^2	- LB-FT^2	15 SEC.	2	156 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	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6308	6208						

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

* N O T E S *	INVERTER TORQUE: NONE
	INV. HP SPEED RANGE: NONE
	ENCODER: NONE
	NONE NONE NONE NONE PPR
	BRAKE: NONE NONE
	NONE P/N NONE
	NONE NONE
	NONE FT-LB NONE V NONE Hz

DATE: 06/22/2017 04:56:04 AM
FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 29-06-2017

213TTDC6076

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



Submittal

Data @ 460 V

Motor Load Data

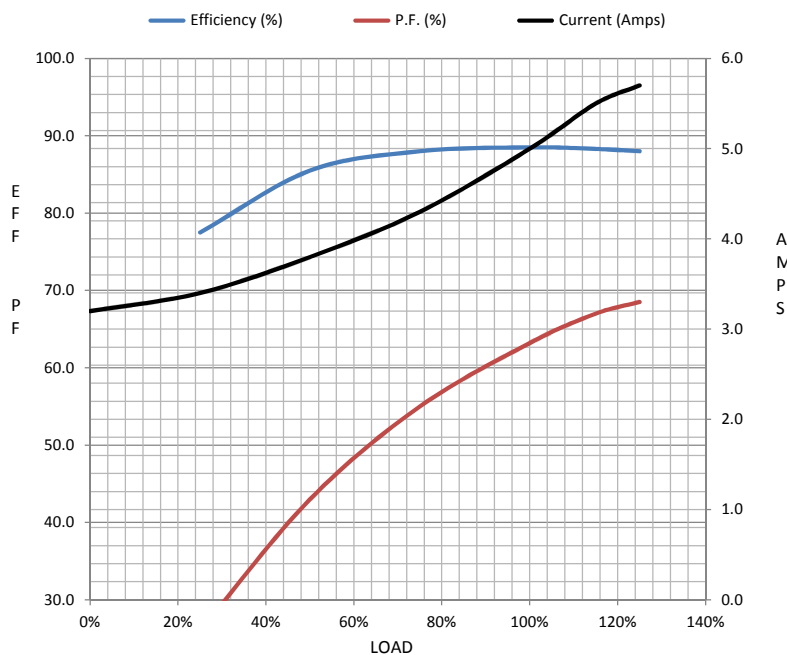
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.2	3.4	3.8	4.3	5.0	5.5	5.7	31.0	
Torque (ft-lb)	0.00	3.3	6.6	10.0	13.3	15.4	16.7	29.5	
RPM	1200	1197	1192	1188	1185	1,180	1178	0	
Efficiency (%)		77.5	85.5	88.0	88.5	88.3	88.0		
P.F. (%)	6.0	26.0	43.0	55.0	63.2	67.0	68.5	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1050	1185	1200
Current (Amps)	31.0	28.0	19.7	5.0	3.2
Torque (ft-lb)	29.5	26.5	50.0	13.3	0.00

Information Block

HP	3.0			
Sync. RPM	1200			
Frame	213			
Enclosure	DP			
Construction	TDC			
Voltage	3-230/460#200/4V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	25 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.00 Lb-Ft²			
Ref Wdg	T10706007 NONE			
Sound Pressure @ 1M	65 dBA			
VFD Rating	NONE			
Outline Dwg	169549-60ME			
Conn. Diag	005010-20ME			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

