

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTDC6076

Catalog No: U269

XRI® General Purpose General Purpose Motor, 5 & 5 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 200/400 V,
1200 & 1000 RPM, 215T Frame, DP



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RegalRexnord



Nameplate Specifications

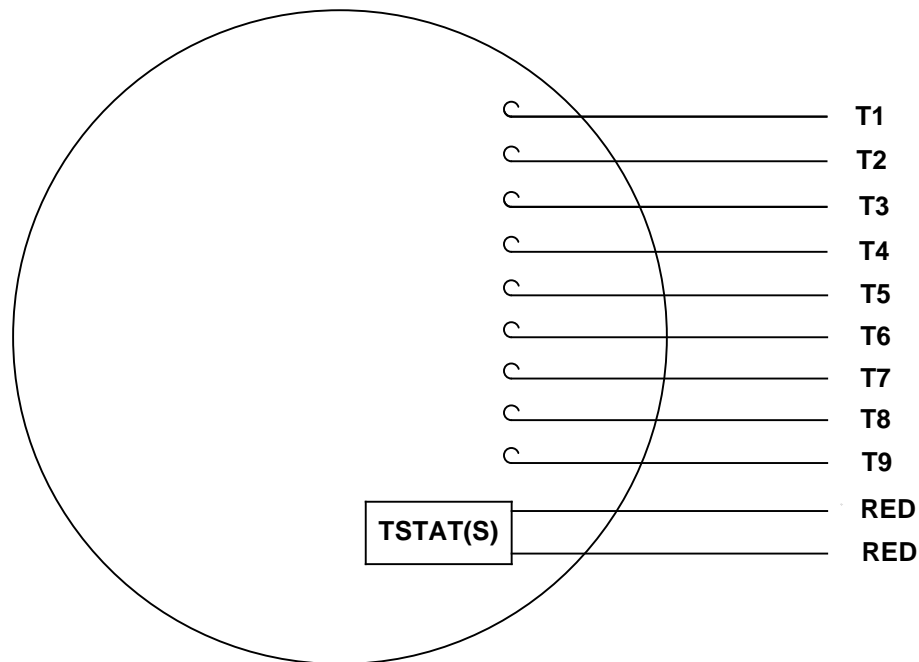
Phase	3	Output HP	5 & 5 Hp
Output KW	3.7 & 3.7 kW	Voltage	208-230/460 & 200/400 V
Speed	1180 & 977 rpm	Service Factor	1.15 & 1.15
Frame	215T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	90.2 & 88.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	15.8-15/7.5 & 18/9 A	Power Factor	68.6
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
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

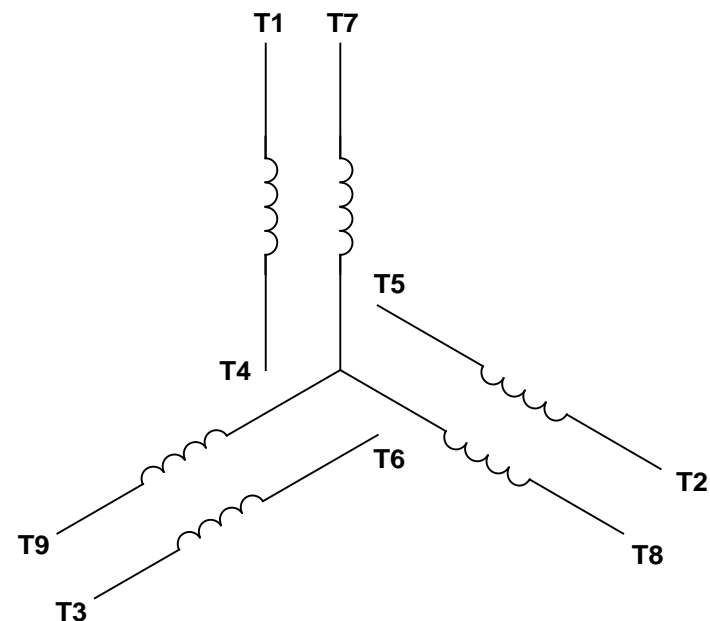
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Overall Length	16.38 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	16954960ME	Connection Drawing	005010-20ME

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4, T7) (T5, T8) (T6, T9)
LOW	T1, T7	T2, T8	T3, T9	T4, T5, T6

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				TOLERANCES UNLESS SPECIFIED				DRAWN RDW 04/13/04		
				DEC	INCHES			CHK		
				.X	±.1			APPR		
				.XX	±.01			SCALE 1:1		
				.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE		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		
THIRD ANGLE PROJECTION			RFP		PREV		SIZE	DRAWING NO		REV
			NETWORK FILE NAME		00501020ME		A	005010-20ME		--

CERTIFICATION DATA SHEET

Model#: 215TTDC6076 AA
CONN. DIAGRAM: 005010-20ME
OUTLINE: 169549-60ME

WINDING#: T10706006 NONE 3
ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5&5	3.70&3.70	1200	1180&977	215T	DP	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#200/ 400	15.8- 15/7.5&18/9	ACROSS THE LINE	CONTINUOU S	F5	1.15/1.15	40	3300

FULL LOAD EFF: 90.2&88.5	3/4 LOAD EFF: 90	1/2 LOAD EFF: 88	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 68.6&69	3/4 LOAD PF: 61.5	1/2 LOAD PF: 49.5	89.5	SQ CAGE IND RUN	8.4 / 4.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.2 LB-FT	92 / 46	47 LB-FT 212	76.5 LB-FT 345	33

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	185 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

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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 07:23:16 AM
 FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 29-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



215TTDC6076

Submittal

Data @ 460 V

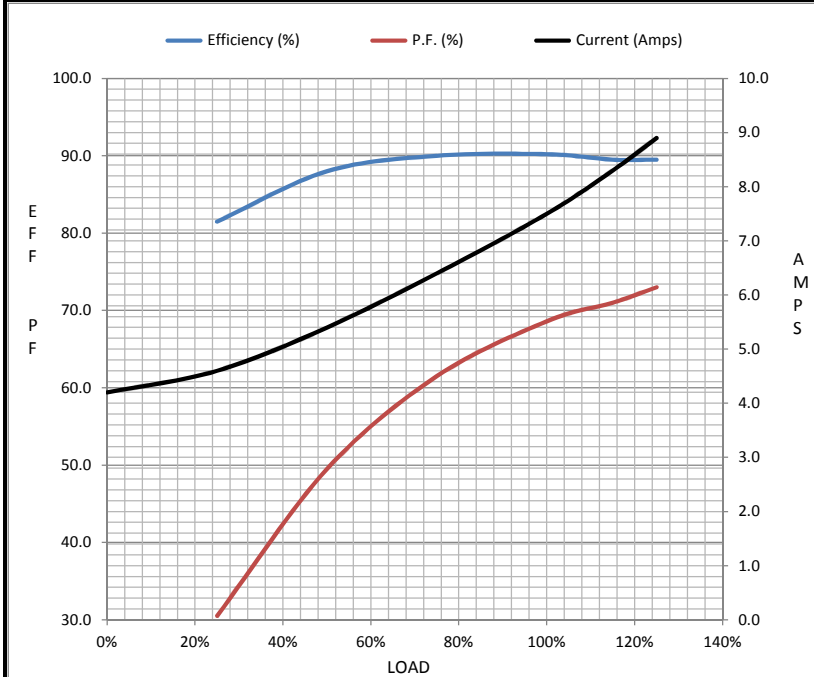
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	4.2	4.6	5.4	6.4	7.5	8.3	8.9	46.0
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.2	25.5	27.9	47.0
RPM	1200	1196	1192	1187	1180	1,178	1175	0
Efficiency (%)		81.5	88.0	90.0	90.2	89.5	89.5	
P.F. (%)	5.6	30.5	49.5	61.5	68.6	71.0	73.0	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1050	1180	1200
Current (Amps)	46.0	41.5	30.3	7.5	4.2
Torque (ft-lb)	47.0	42.5	76.5	22.2	0.00

Information Block				
HP	5.0			
Sync. RPM	1200			
Frame	215			
Enclosure	DP			
Construction	TDC			
Voltage	3-230/460#200/4V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	33 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T10706006 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

