

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTDC6001

Catalog No: U766

XRI® General Purpose General Purpose Motor, 15 & 15 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 200/400 V,
3600 & 3000 RPM, 215T Frame, DP



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RegalRexnord

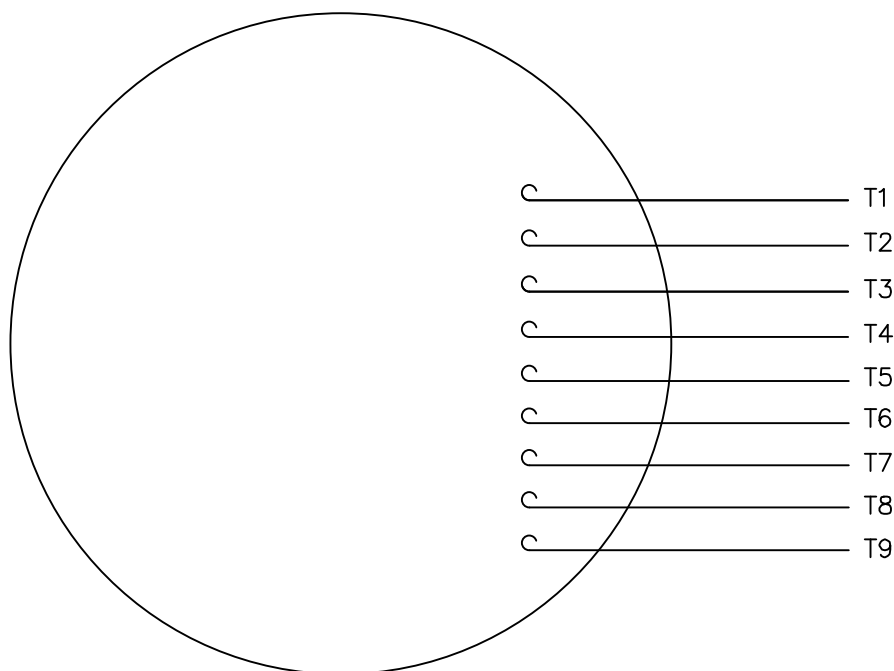
Nameplate Specifications

Phase	3	Output HP	15 & 15 Hp
Output KW	11.2 & 11.2 kW	Voltage	208-230/460 & 200/400 V
Speed	3510 & 2890 rpm	Service Factor	1.15 & 1.0
Frame	215T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	91 & 87.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	38-34.5/17.3 & 40/20 A	Power Factor	89
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

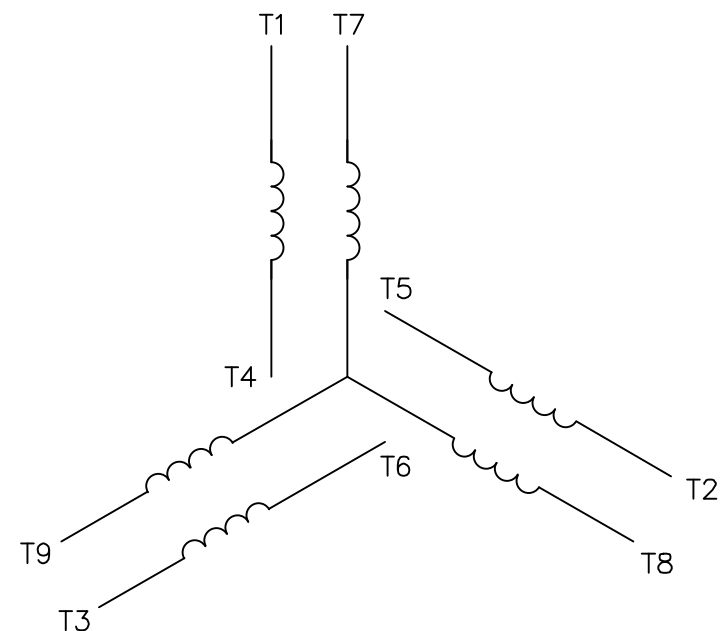
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.736 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	17.87 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	16955060ME	Connection Drawing	005010-01ME


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

		TOLERANCES UNLESS SPECIFIED		 MARATHON ELECTRIC	DRAWN RDW 04/12/02	
		DEC.	INCHES		CHK	
		.X	±.1		APPD	
		.XX	±.01		SCALE 1=1	
		.XXX	±.005		REF FIG.2-51	
		.XXXX	±.0005	TITLE		FMF
				EXTERNAL WIRING DIAGRAM		
				3 PHASE W/O PROTECTOR		
				MAT'L. DECAL - 004014		
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV
			RFP	04/12/02	CAD FILE 00501001ME	SIZE A
			DIST			DRAWING NO. 005010-01ME
						REV.

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CERTIFICATION DATA SHEET

Model#: 215TTDC6001 AA
 CONN. DIAGRAM: 005010-01ME
 OUTLINE: 16955060ME

WINDING#: T10702011 NONE 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15&15	11.2&11.2	3600	3510&2890	215T	DP	H	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#200/ 400	38- 34.5/17.3&40/ 20	ACROSS THE LINE	CONTINUOU S	F2	1.15/1.0	40	3300

FULL LOAD EFF: 91&87.5	3/4 LOAD EFF: 91	1/2 LOAD EFF: 91	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89&91.5	3/4 LOAD PF: 88	1/2 LOAD PF: 82.1	90.2	SQ CAGE IND RUN	9.6 / 4.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.6 LB-FT	232 / 116	46.1 LB-FT 204	70.9 LB-FT 314	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
79 dBA	89 dBA	- LB-FT^2	- LB-FT^2	- SEC.	-	184 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
- FT-LB NONE V NONE Hz

DATE: 06/21/2017 09:35:35 AM
 FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 16-06-2017

Customer:

Attention:

Submitted by:

FAREEDA DUDEKULA



215TTDC6001

Submittal

Data @ 460 V

Motor Load Data

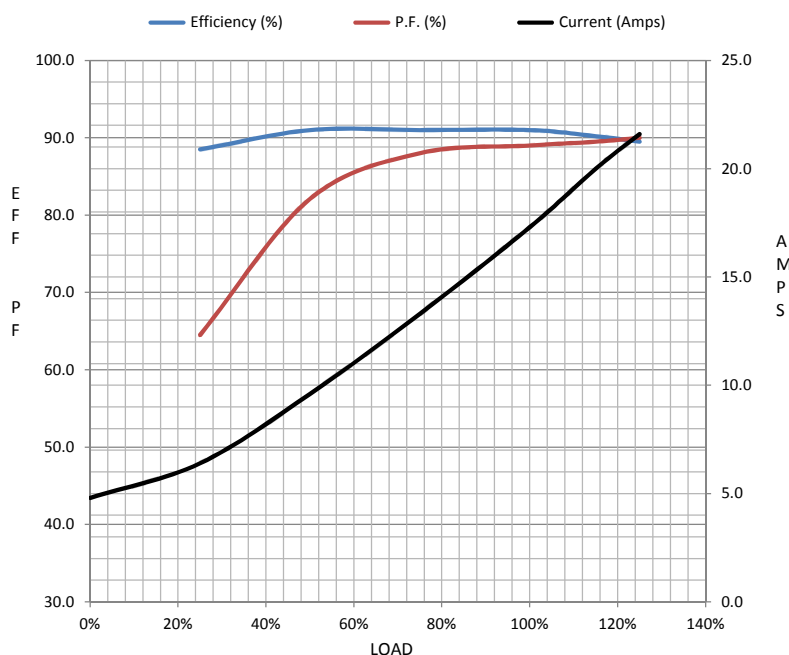
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	4.8	6.4	9.6	13.3	17.3	20.0	21.6	116
Torque (ft-lb)	0.00	5.7	11.3	17.0	22.6	26.0	28.2	46.1
RPM	3600	3580	3560	3535	3510	3.495	3485	0
Efficiency (%)		88.5	91.0	91.0	91.0	90.2	89.5	
P.F. (%)	9.4	64.5	82.1	88.0	89.0	89.5	90.0	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2960	3510	3600
Current (Amps)	116	107	75.5	17.3	4.8
Torque (ft-lb)	46.1	39.6	70.9	22.6	0.00

Information Block

HP	15.0			
Sync. RPM	3600			
Frame	215			
Enclosure	DP			
Construction	TDC			
Voltage	3-230/460#200/4 V			
Frequency	60 Hz			
Design	A			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	60 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.00 Lb-Ft²			
Ref Wdg	T10702011 NONE			
Sound Pressure @ 1M	79 dBA			
VFD Rating	NONE			
Outline Dwg	16955060ME			
Conn. Diag	005010-01ME			
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

