

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTDBD6085
Catalog No: GT2414A
5,1200,DP,215JP,3/60/230/460
JP



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REGAL



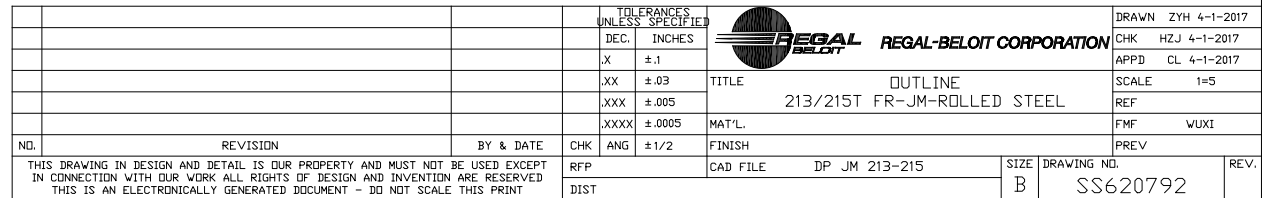
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	13.8/6.9 A	Speed	1181 rpm
Service Factor	1.15	Phase	3
Efficiency	89.1 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	J	Frame	213TV
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6307
Opp Drive End Bearing Size	6202	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal Or Shaft Down
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	T
Frame Length	11.15 in	Shaft Diameter	1.249 in
Shaft Extension	8.4 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS620792	Connection Diagram	EE7308

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NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		DRAWN RM	11/20/1990
					DEC.	INCHES		
5	CHG TO REGAL LOGO	SL 09/10/2015	AB				CHK	ML 11/21/1990
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		APPD	SAS 04/24/2003
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		SCALE	1=1
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		REF	
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		FMF	
					±7'30"		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 ee7308		SIZE	DRAWING NO. PAGE OF REV.
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**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7308
OUTLINE: SS620792
WINDING #: HE31326017 2

CUSTOMER
PO #:
MODEL #: 215TTDBD6085 A
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN					
58.3	3.70&2.24	1200	1181&986	213TV	DP	J	B					
PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C				
3	60/50	230/460&190/380	13.8/6.9&11/5.5	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40				
FULL LOAD EFF:		89.1&89.5	3/4 LOAD EFF:	90.1	1/2 LOAD EFF:	84.5	GTD. EFF	ELEC. TYPE				
FULL LOAD PF:		76.4&70.5	3/4 LOAD PF:	70.7	1/2 LOAD PF:	62.8	88.5	SQ CAGE INV RATED				
F.L. TORQUE		LOCKED ROTOR AMPS		L.R. TORQUE		B.D. TORQUE		F.L. RISE°C				
22.3	LB-FT	96 / 48		37	LB-FT	166 %	59	LB-FT 265 % 30				
SOUND PRESSURE @ 3 FT.		SOUND POWER		ROTOR WK^2		MAX. WK^2		SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT		
62	DBA	72	DBA	1.1	LB-FT^2	75	LB-FT^2	20	SEC.	2	200	LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	D RIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL OR SHAFT DOWN	FALSE	NONE	FALSE	RODENT	BLUE (ENAMEL)
BEARINGS		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL		FRAME MATERIAL	
DE	ODE							
BALL	BALL							
6307	6202	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)		ROLLED STEEL

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

* INVERTER								
TORQUE: CONSTANT 20:1/VARIABLE 20:1								
INV. HP SPEED RANGE: NONE								
ENCODER: NONE								
NONE NONE PPR								
NONE NONE PPR								
BRAKE: NONE NONE								
NONE P/N NONE								
NONE NONE								
NONE FT-LB NONE V NONE HZ								

*

PREPARED BY: Fareeda Dudekula

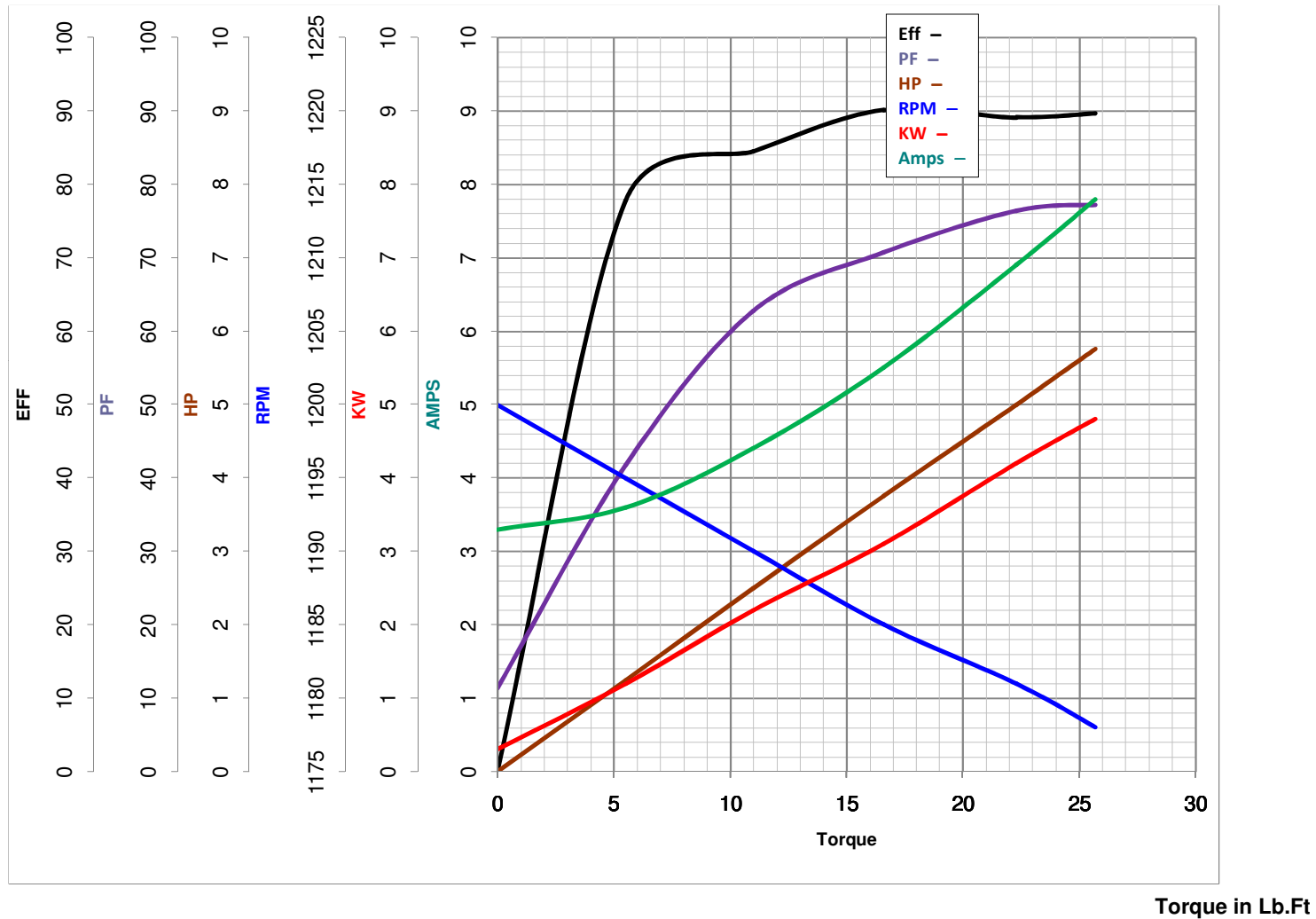
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FORM 3531 REV.3 02/07/99

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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer**Curve at**460**Volts****HP** 5&3**PHASE** 3**Model No** 215TTDBD608560**HZ****VOLTS** 230/460&190/3805**HP****Catalog No** GT2414A**HZ** 60&50**RPM** 1181&986

Torque in Lb.Ft

FL TORQUE 22.3 Lb.Ft**BD TORQUE** 59.0 Lb.Ft**LR TORQUE** 37 Lb.Ft**FL AMPS** 13.8/6.9**PU TORQUE** 31.5 Lb.Ft**LR AMPS** 48**WINDING** HE31326017-2**Prepared By**

FAREEDA

Date 5/4/2018