

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTFND16057

Catalog No: E204A-P

XRI® General Purpose General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1800 & 1500 RPM, 215T Frame, TEFC



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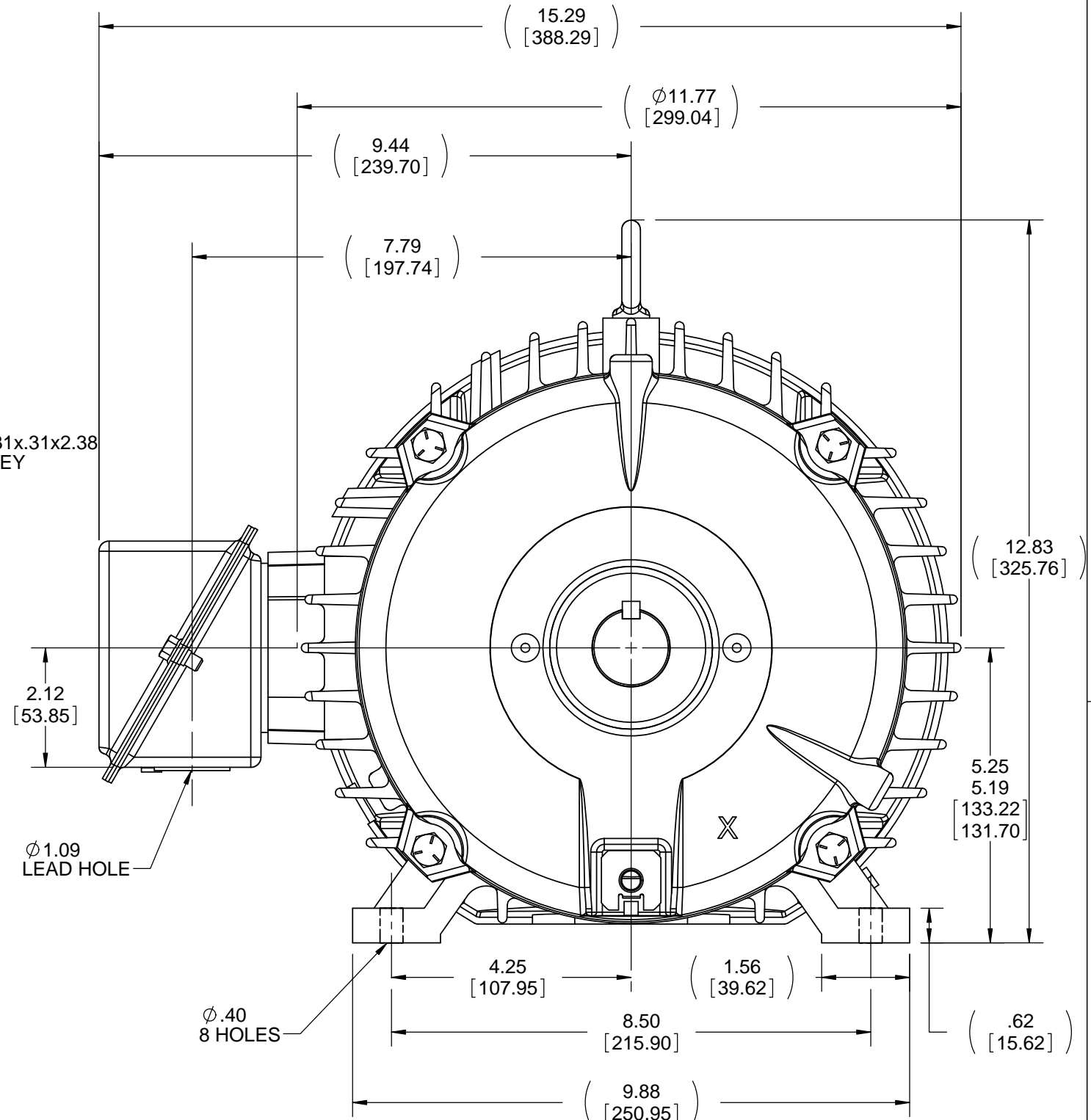
RegalRexnord

Nameplate Specifications



Phase	3	Output HP	10 & 7.5 Hp
Output KW	7.5 & 5.6 kW	Voltage	230/460 & 190/380 V
Speed	1765 & 1470 rpm	Service Factor	1.15 & 1.15
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 & 90.8 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	26.6/13.3 & 24.8/12.4 A	Power Factor	76.9
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.941 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	19.63 in
Frame Length	12.12 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 20:1		
Connection Drawing	EE7308	Outline Drawing	037659-1212



1212	213/215	22.63 [574.80]	11.76 [298.70]	10.00 [254.00]	7.00 [177.80]	5.00 [127.00]
912	213/215	19.63 [498.60]	8.63 [219.20]	7.00 [177.80]	5.50 [139.70]	3.50 [88.90]
DASH	FRAME	C	B	2F	2FF	BS

DRAWN BY AK		 Regal Beloit America, Inc.	
DATE 10-05-2009			
APPROVED BY SK		DESCRIPTION <div style="text-align: center;"> OUTLINE 210 FR. TEFC </div>	
DATE 10-05-2009			
REFERENCE		MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION		SIZE B	DRAWING NUMBER <div style="text-align: center;"> 037659 </div>
		SHEET 1 OF 1	

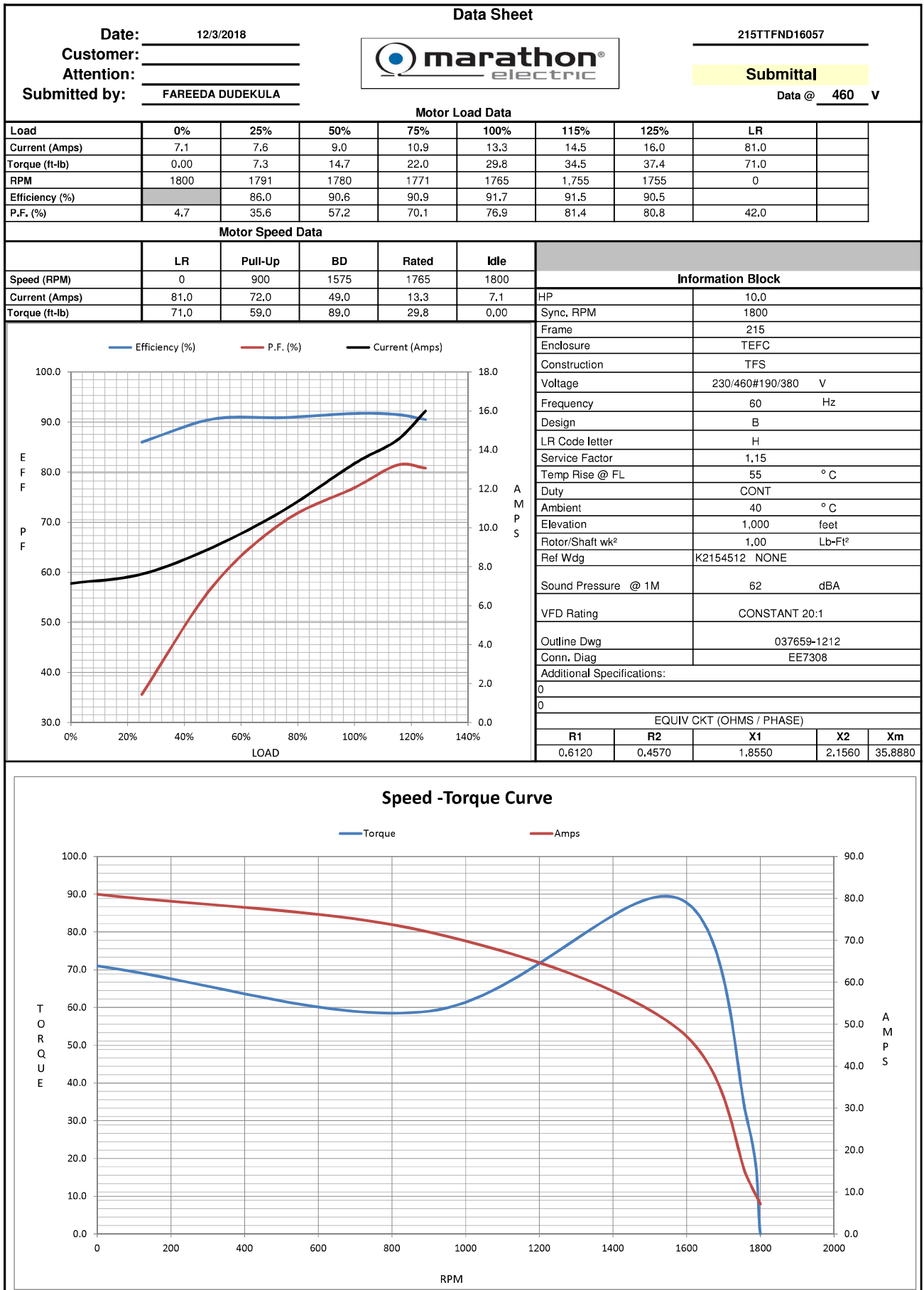


NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	DEC.	INCHES	DRAWN RM	11/20/1990
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK	ML 11/21/1990
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD	SAS 04/24/2003
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02			SCALE	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			FINISH	
					±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.
						DIST WP		A	EE7308 5



CUSTOMER:		CUSTOMER P.O. #:	
ORDER #:		REFERENCE MODEL #:	215TTFND16057
CONN. DIAGRAM:	EE7308	CAT #:	N/A
OUTLINE:	037659-1212	CUSTOMER PART #:	
WINDING:	K2154512	MOUNTING:	F1/F2 CAPABLE
SPEED:	NONE		
	3		

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
10	7.5	1800	1765	215T	TEFC	TFN	H	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	26.6/13.3&24.8/12.4	LINE OR INVERTER	CONT	F	1,15	40	3300
F.L. EFF		91.7	3/4 LD EFF 90.9	1/2 LD EFF 90.6	GTD EFF	ELECT. TYPE			
F.L. PF		76.9	3/4 LD PF 70.1	1/2 LD PF 57.2	90.2	SQ CAGE INV RATED			
F.L. TORQUE		LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE		F.L. RISE (°C)			
29.8	LB-FT	81.0	71.0 LB-FT 238%	89.0	LB-FT 299%	55			
@ 3 FT.		POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR		MOTOR WGT	
62	dBA	71 dBA	1.00 LB-FT²	277 LB-FT²	25 SEC.	2		150	LB.
*** SUPPLEMENTAL INFORMATION ***									
DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT	
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	BLUE (ENAMEL)	
BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE	ODE								
BALL	BALL								
6307	6208	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON		
THERMOSTATS		PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL		SPACE HEATERS	
NONE		NOT	NONE	NONE	NONE	FALSE		NA	
R1 (ohms/ph)		R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)		FLOAT	
0.612		0.457	1.855	2.156	35.888	0.150		ODE	
* N O T E *					INVERTER TORQUE: CONSTANT 20:1 INV. HP SPEED RANGE: NONE				
					ENCODER: NONE				
					NONE				
				NONE PPR					
PREPARED BY: FAREEDA DUDEKULA					BRAKE: NONE				
DATE: 9/11/2018					NONE NONE				
					FT-LB: NA				
					VOLTAGE: NONE				
					UL: V-INS, CONST UL REC				
					HZ:				



EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 215TTFND16057

(Model No. may contain prefix and/or suffix characters)

Catalog No : E204A-P

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22