

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTFWD16052

Catalog No: E822A

10 HP General Purpose Motor, 3 phase, 1800 RPM, 200 V, 215T Frame, TEFC
General Purpose Motors



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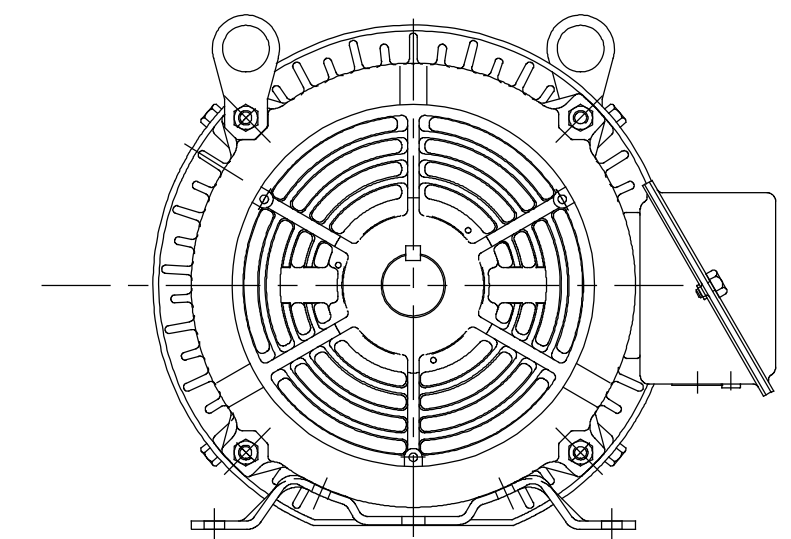
RegalRexnord

Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	200 V
Current	30.5 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	77.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications


Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.9 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	20.23 in
Frame Length	11.15 in	Shaft Diameter	1.375 in
Shaft Extension	3.47 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS88975-1115	Connection Drawing	005102.01



F2-VIEW

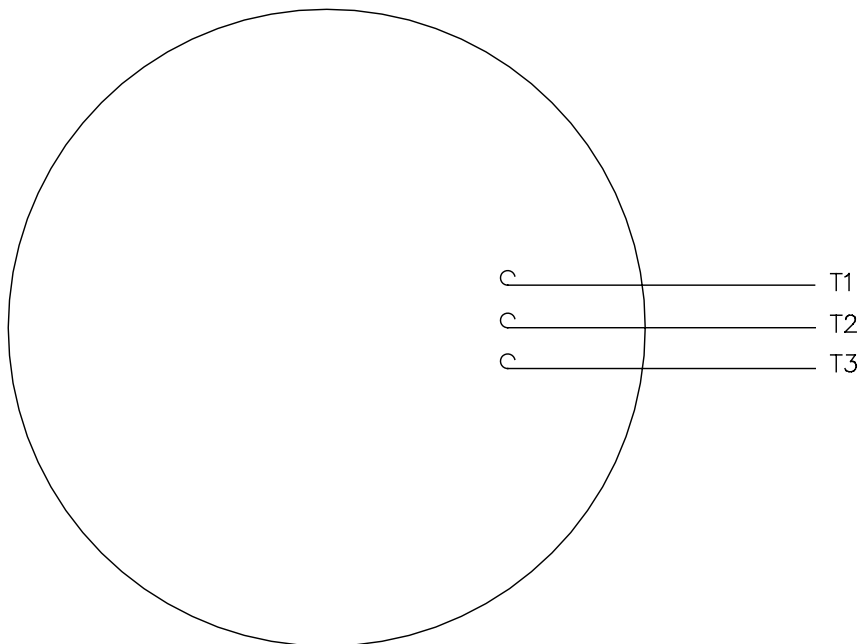
NOTES:

1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.
3. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°. (EXCEPT AS NOTED.)

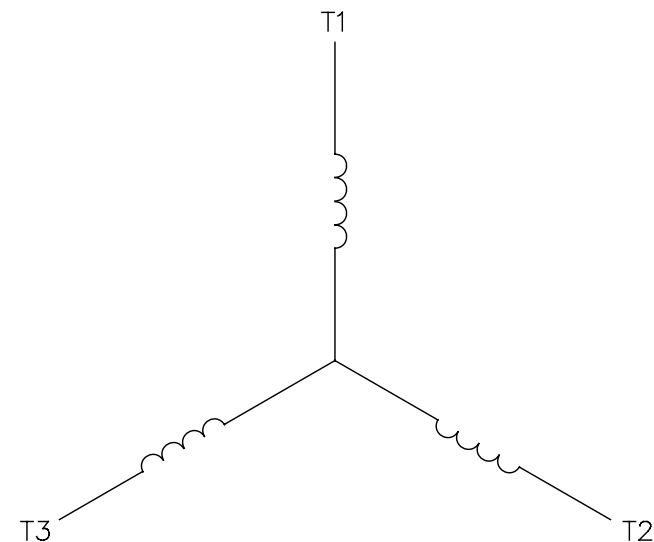
				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.			DRAWN ERH 12-08-2003		
				DEC.	INCHES				CHK ML 12-08-2003		
4	UPDTD F2 ONLY FOR 1115 CONFIG PER ECO-0168214	VMR 06/03/2019	RG	.X	±.1				APPD DR 12-09-2003		
3	NOTE UPDATED	SAJ 08/24/15	SR	.XX	±.03	TITLE OUTLINE 210T FR.-BB-TS-TEFC-R/S			SCALE 1=4		
2	TITLE BLOCK LOGO CHANGE PER ECO-0078542	MDV 06/09/2015		.XXX	±.005				REF		
1	REMOVE HOLE AND BOLT SIDE VIEW CN24453	RWR 01/30/2004	ML	.XXXX	±.0005	MAT'L.			FMF MU 49283		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH			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 12-09-2003		CAD FILE ss88975		SIZE A	DRAWING NO. PAGE OF		REV. 4
				DIST LB					SS88975		

005102-01


VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS

CONNECT LEADS AS FOLLOWS
FOR FOUR CONDUCTOR CORD ()

CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN	JRW 9/11/75		
				DEC.	INCHES		CHK			
				.X	±.1		APPD	JCW 9/11/75		
08	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR	SCALE	1=1		
07	UPDATED TO CURRENT STANDARDS	DBT 5/30/97		.XXX	±.005		REF	W-T6343-6		
06	REDRAWN ON CAD; ADDED DECAL NUMBER	SAW 1/24/95		.XXXX	±.0005	MAT'L.	DECAL - 004169	FMF 6T17FB7		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH		PREV		
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			DIST	BRF-NLV				A	005102-01	08



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____ CUSTOMER P.O. #: _____
ORDER #: _____ REFERENCE MODEL #: 215TTFWD16052
CONN. DIAGRAM: 005102.01 CAT #: E822
OUTLINE: SS88975-1115 CUSTOMER PART #: _____
WINDING: K2154513 NONE 6 MOUNTING: F1/F2 CAPABLE
SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
10	7.5	1800	1760	215T	TEFC	TFW	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	200	30.5	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	91.7	3/4 LD EFF	91.7	1/2 LD EFF	91.0	GTD EFF	ELECT. TYPE
F.L. PF	77.5	3/4 LD PF	69.6	1/2 LD PF	57.2	90.2	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
29.9 LB-FT	186	76.0 LB-FT 254%	90.0 LB-FT 301%	65

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
62 dBA	71 dBA	1.10 LB-FT²	50 LB-FT²	20 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	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6307	6206						

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
0.11	0.095	0.334	0.404	6.811	0.150	ODE

* N O T E S *		INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE	NONE PPR
PREPARED BY: FAREEDA DUDEKULA DATE: 9/11/2018	BRAKE: NONE NONE	NONE
	FT-LB: NA VOLTAGE: NONE	HZ:
FORM: 3531 REV_4 2/27/06		UL: V-INS, CONST UL REC

Data Sheet

Date: 12/3/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



215TTFWD16052

Submittal

Data @ 200 V

Motor Load Data

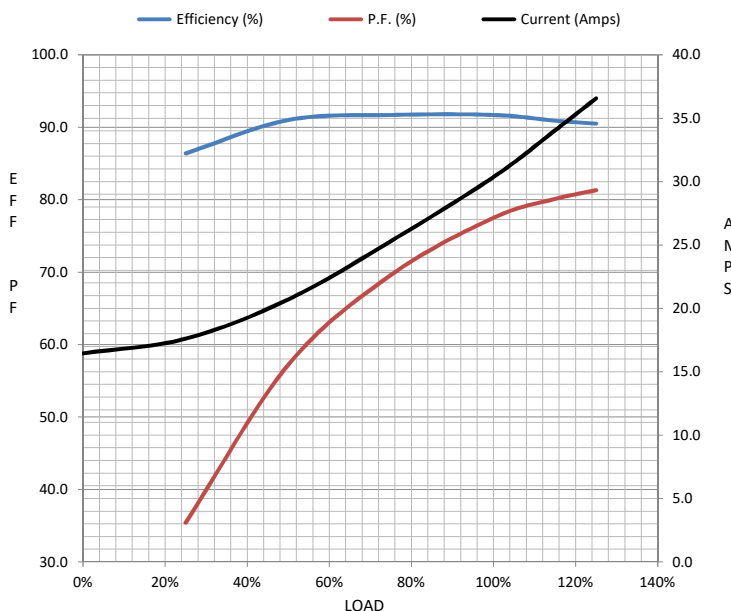
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	16.5	17.6	20.7	25.3	30.4	34.0	36.6	186	
Torque (ft-lb)	0.00	7.3	14.8	22.3	29.9	34.5	37.6	76.0	
RPM	1800	1790	1780	1770	1760	1,754	1747	0	
Efficiency (%)		86.4	91.0	91.7	91.7	90.9	90.5		
P.F. (%)	4.8	35.4	57.2	69.6	77.5	80.1	81.3	42.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1575	1760	1800
Current (Amps)	186	179	117	30.4	16.5
Torque (ft-lb)	76.0	70.0	90.0	29.9	0.00

Information Block

HP	10.0			
Sync. RPM	1800			
Frame	215			
Enclosure	TEFC			
Construction	TFR			
Voltage	200 V			
Frequency	60 Hz			
Design	B			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	65 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	1.10 Lb-Ft ²			
Ref Wdg	K2154513 NONE			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NONE			
Outline Dwg	SS88975-1115			
Conn. Diag	005102.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1100	0.0950	0.3340	0.4040	6.8110



Speed -Torque Curve

