

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 215TTDWD4003

Catalog No: E788A

15 HP General Purpose Motor, 3 phase, 3600 RPM, 200 V, 215T Frame, ODP
General Purpose Motors



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RegalRexnord



Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	200 V
Current	42.0 A	Speed	3525 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Power Factor	85
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	G
Frame	215T	Enclosure	Drip Proof
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	12
Number of Speeds	1		

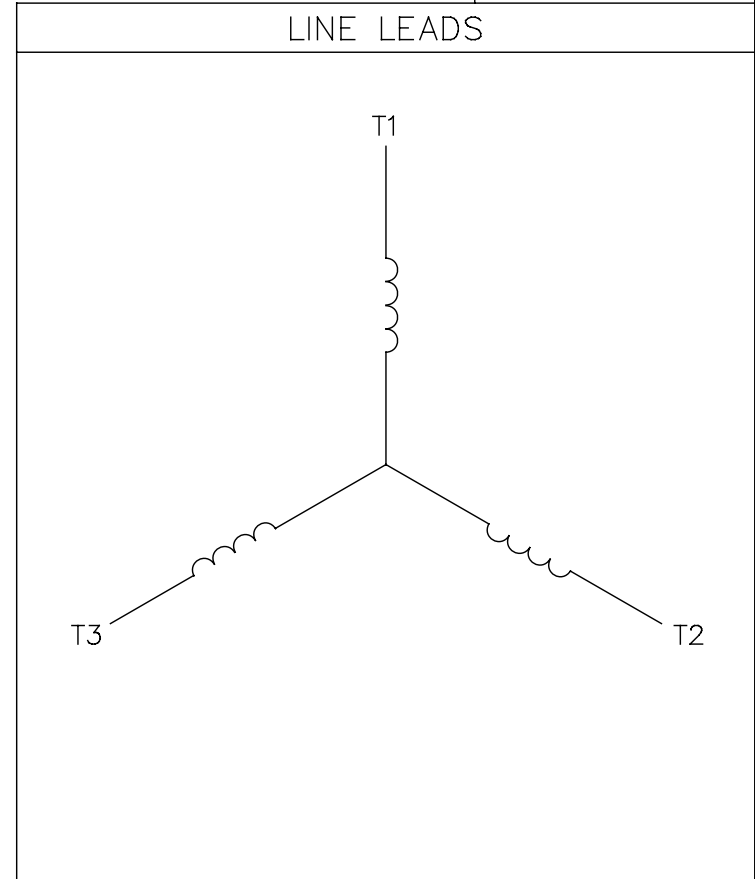
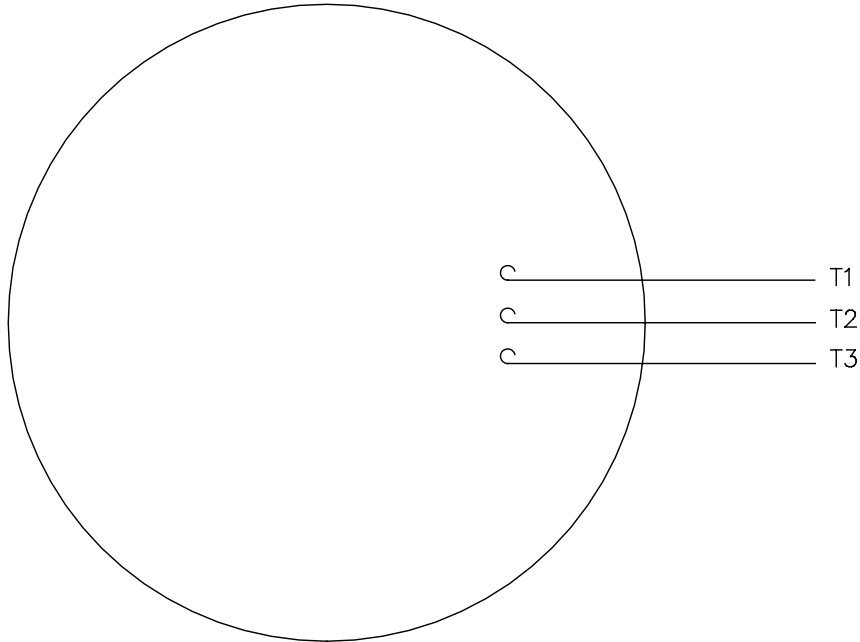
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.906 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	16.55 in
Frame Length	9.65 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS86500-965	Connection Drawing	005102.01

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005102-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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			FMF 6T17FB7		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	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	5/1/02	CAD FILE 00510201		SIZE	DRAWING NO.	REV.
				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 #: 215TTDWD4003
 CONN. DIAGRAM: 005102.01 CAT #: E788A
 OUTLINE: SS86500-965 CUSTOMER PART #: _____
 WINDING: K2152225 NONE 4 MOUNTING: F1/F2 CAPABLE
 SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
15	11.2	3600	3525	215T	DP	TDW	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	200	42	ACROSS THE LINE	CONT	B	1.15	40	3300

F.L. EFF	91.0	3/4 LD EFF	92.1	1/2 LD EFF	91.8	GTD EFF	89.5	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	85.0	3/4 LD PF	79.6	1/2 LD PF	69.5				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
22.4 LB-FT	267	41.8 LB-FT 187%	62.9 LB-FT 281%	40

@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
75 dBA	84 dBA	0.50 LB-FT ²	25 LB-FT ²	15 SEC.	2	115 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	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
BALL	BALL						
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
0.105	0.061	0.25	0.163	6.467	0.150	ODE

* N O T E S *	INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE					
	ENCODER: NONE NONE NONE					
	BRAKE: NONE NONE					
	FT-LB: NA VOLTAGE: NONE					
	UL: V-INS, CONST UL REC					

PREPARED BY: FAREEDA DUDEKULA
 DATE: 9/11/2018

Data Sheet

215TTDWD4003

Date: 12/3/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



Submittal

Data @ 200 V

Motor Load Data

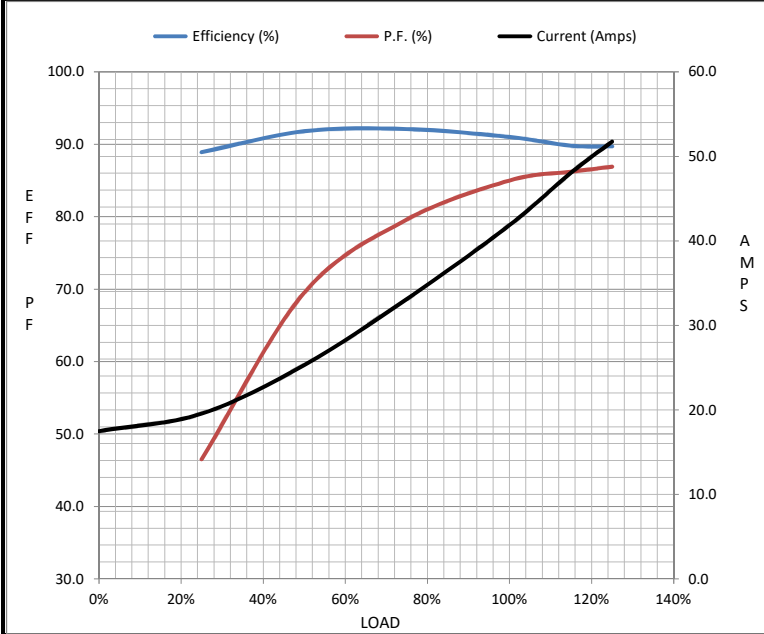
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	17.5	19.6	25.3	33.1	41.9	48.1	51.8	267
Torque (ft-lb)	0.00	5.5	11.1	16.7	22.4	25.9	28.1	41.8
RPM	3600	3583	3545	3545	3525	3,508	3502	0
Efficiency (%)		88.9	91.8	92.1	91.0	89.8	89.7	
P.F. (%)	5.0	46.5	69.5	79.6	85.0	86.2	86.9	39.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	650	3060	3525	3600
Current (Amps)	267	265	173	41.9	17.5
Torque (ft-lb)	41.8	40.0	62.9	22.4	0.00

Information Block

HP	15.0			
Sync. RPM	3600			
Frame	215			
Enclosure	DP			
Construction	TDR			
Voltage	200 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	40 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.50 Lb-Ft ²			
Ref Wdg	K2152225 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	NONE			
Outline Dwg	SS86500-965			
Conn. Diag	005102.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1050	0.0610	0.2500	0.1630	6.4670



Speed - Torque Curve

