

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTDWD4022

Catalog No: E113A

15 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 230/460 V, 215JM Frame, ODP
Close-Coupled Pump Motors



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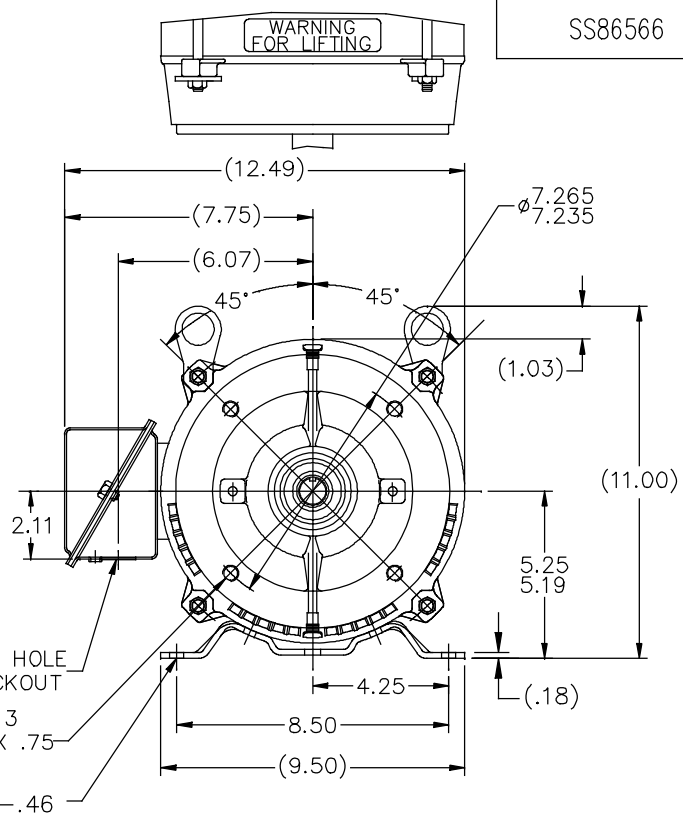
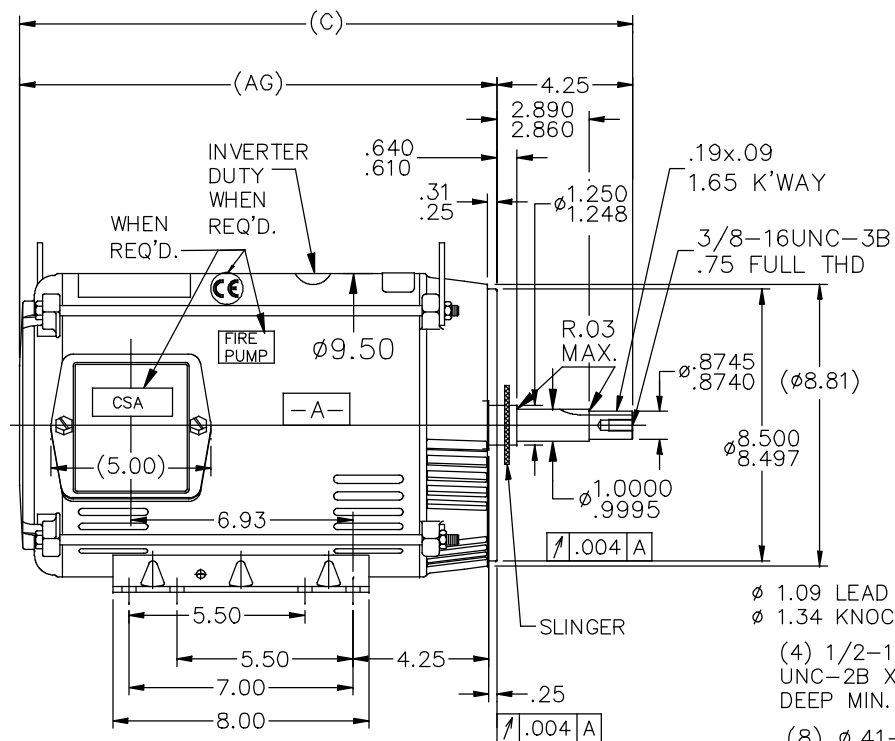
RegalRexnord

Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	36.5/18.2 A	Speed	3525 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	215JM	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6309	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	JM	Overall Length	19.16 in
Frame Length	11.15 in	Shaft Diameter	0.875 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1 Only
Connection Drawing	005010.01	Outline Drawing	SS86566-1115



DASH	FR.	C	AG	BS	MOUNTING
965	213JM	17.66	13.41	5.43	
1115	213/15JM	19.16	14.91	6.93	
1240	213/15JM	20.41	16.16	8.18	F1 ONLY

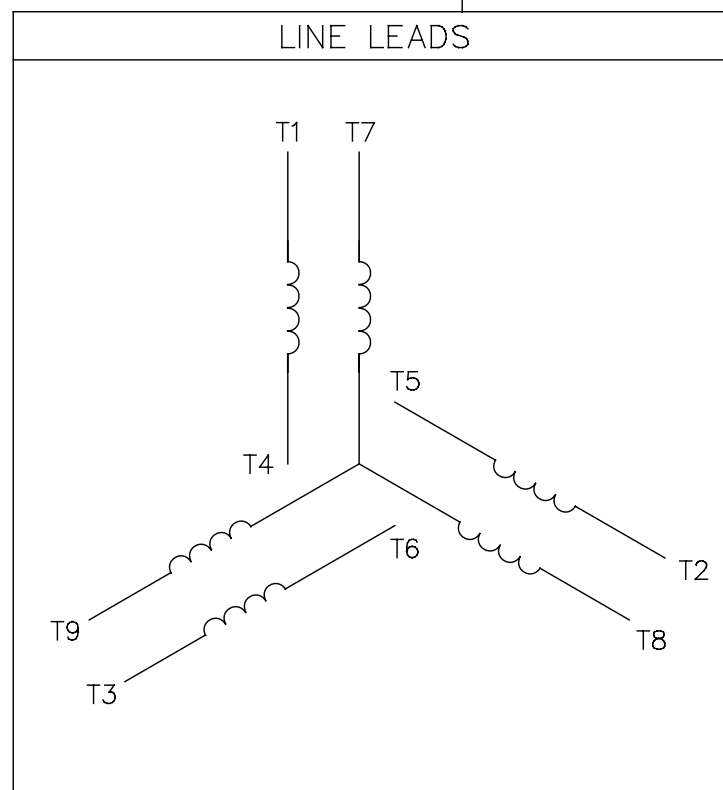
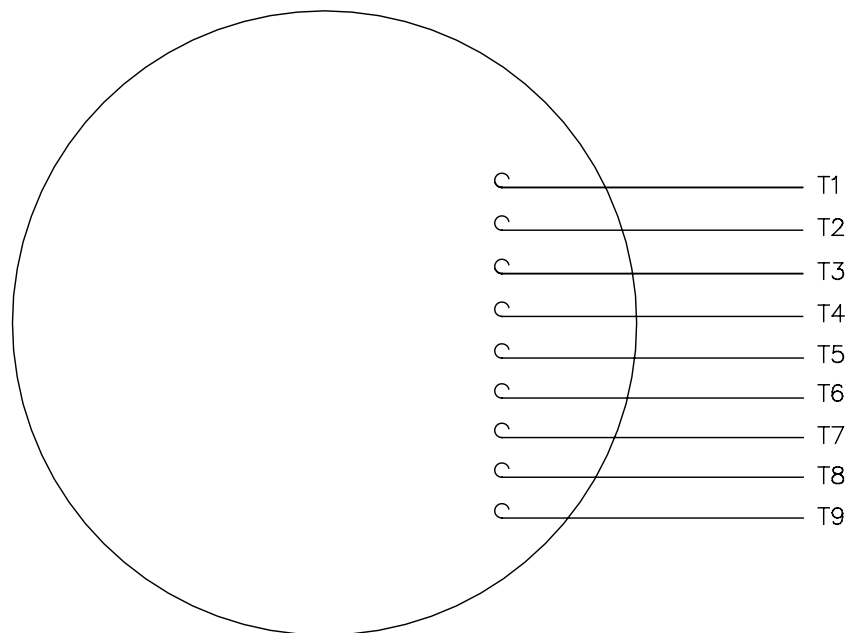
NOTES:

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)

8	ADDED INVERTER LOGO	MVG 01/24/2018	MVG	TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN	KL 12-23-1994		
7	TITLE BLOCK LOGO CHANGE PER ECO-0078542	MDV 06/09/2015	DEC.	INCHES			CHK	ML 12-23-1994		
6	Ø.8745/.8740 WAS Ø.8750/.8745 ECN #21254	WGJ 08/03/2011	EMH	.X	±.1		APPD	DRN 12-23-1994		
5	UPDATED DRAWING	TJW 04/27/2007	.XX	±.03			TITLE OUTLINE	SCALE 1=5		
4	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML	.XXX	±.005	210JM FR.-BB-TS-DR.PR.-C' FACE	REF			
3	UPDATED C' BOX GEOMETRY CN 28425	DRS 04-16-2001		.XXXX	±.0005	MAT'L	FMF			
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			CAD FILE ss86566	SIZE A	DRAWING NO. SS86566	PAGE OF	REV. 8
			DIST LB							

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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		 Regal Beloit America, Inc.		DRAWN	RDW 04/12/02	
				DEC.	INCHES			CHK		
				.X	±.1			APPD		
				.XX	±.01			TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR	SCALE	1=1
				.XXX	±.005	REF	FIG.2-51			
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005	MAT'L.	DECAL - 004014	FMF		
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	04/12/02	CAD FILE	00501001	SIZE	DRAWING NO.	REV
				DIST BRF-NLV				A	005010-01	A



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 #: 215TTDWD4022
CONN. DIAGRAM: 005010.01 CAT #: E113A
OUTLINE: SS86566-1115 CUSTOMER PART #: _____
WINDING: K2152225 NONE 3 MOUNTING: F1 ONLY
SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

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

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	36.5/18.2	ACROSS THE LINE	CONT	F	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	116	41.8 LB-FT 187%	62.9 LB-FT 281%	40

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
75 dBA	84 dBA	0.50 LB-FT²	25 LB-FT²	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
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	RED (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BALL	POLYREX EM	JM	NONE	NONE	EN8D STEEL BAR (C-242)	ROLLED STEEL
6309 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
0.558	0.321	1.32	0.864	34.208	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	BRAKE: NONE
DATE: 9/17/2018	NONE NONE
	FT-LB: NA
	VOLTAGE: NONE HZ:
FORM: 3531 REV_4 2/27/06	UL: V-INS, CONST UL REC

Data Sheet

Date: 12/10/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



215TTDWD4022

Submittal

Data @ 460 V

Motor Load Data

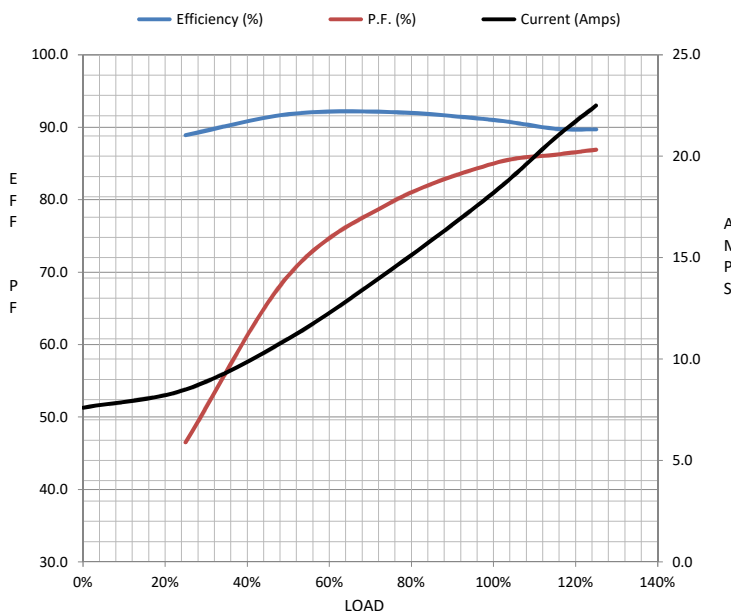
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	7.6	8.5	11.0	14.4	18.2	20.9	22.5	116	
Torque (ft-lb)	0.00	5.5	11.1	16.7	22.4	25.9	28.1	41.8	
RPM	3600	3583	3545	3545	3525	3,508	3502	0	
Efficiency (%)		88.9	91.8	92.1	91.0	89.8	89.7		
P.F. (%)	5.0	46.5	69.5	79.6	85.0	86.2	86.9	39.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	650	3060	3525	3600
Current (Amps)	116	115	75.0	18.2	7.6
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	230/460	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 wk²	0.50	Lb-Ft²		
Ref Wdg	K2152225 NONE			
Sound Pressure @ 1M	75	dBA		
VFD Rating	NONE			
Outline Dwg	SS86566-1115			
Conn. Diag	005010.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.5580	0.3210	1.3200	0.8640	34.2080



Speed -Torque Curve

