

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTDW4007

Catalog No: E184

15 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 575 V, 215JMV Frame, ODP
Close-Coupled Pump Motors



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RegalRexnord

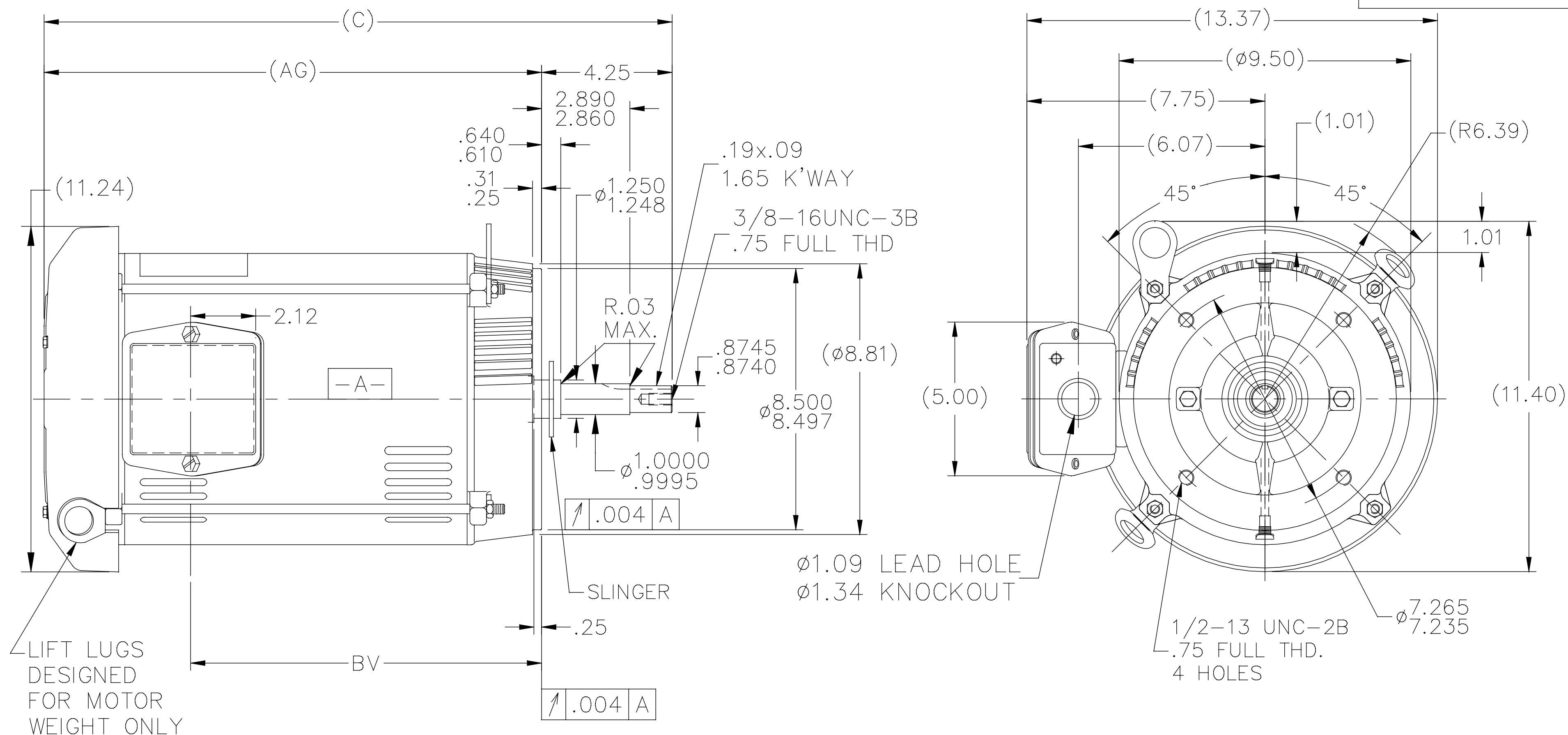
Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	575 V
Current	13.6 A	Speed	3510 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Power Factor	91
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	G
Frame	215JMV	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	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.825 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	21.69 in
Frame Length	12.40 in	Shaft Diameter	0.875 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	A-SS86596-1240	Connection Drawing	A-EE7300


SS86596



DASH	FR.	C	AG	BV	
965	213JM	18.94	14.69	9.93	
1115	213/15JM	20.44	16.19	11.43	
1240	213/15JM	21.69	17.44	12.68	

NOTES:

- NOTES:
1. NAMEPLATE TO BE READ FROM SHAFT EXT. END OF MOTOR.
 2. BOX CAN BE MOUNTED IN 90° STEPS.

6	TITLE BLOCK LOGO CHANGE PER ECO-0078542	MDV 06/09/2015		TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN DA 03 26 1996			
5	UPDATED DRAWING	TJW 04/30/2007		DEC.	INCHES		CHK ML 04-01-1996			
4	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML	.X	±.1		APPD DN 04-01-1996			
3	UPDATED DRIP COVER GEOMETRY CN 29200-433	DRS 01-25-2002		.XX	±.03	TITLE OUTLINE - C' FACE 210JM FR. - DR. PR.	SCALE 1=5			
2	UPDATED C' BOX GEOMETRY CN 28425	DRS 01-31-2001		.XXX	±.005		REF			
1	NEW DRAWING - DES/DEV	DA 04-02-1996		.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 ss86596		SIZE	DRAWING NO.	PAGE OF	REV
			DIST LB				A	SS86596		6

THREE PHASE - SINGLE VOLTAGE MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

TERMINAL BLOCK WHEN SPECIFIED



IF MOTOR HAS 6 LEADS



A-9806 DECAL

OPTIONAL CORD CONNECTION



VIEW OF TERMINAL END

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION



Regal Beloit America, Inc.

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL PROCESS/FINISH

SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1
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CERTIFICATION DATA SHEET

Model#: 215TTDW4007 AC
 CONN. DIAGRAM: A-EE7300
 OUTLINE: A-SS86596-1240

WINDING#: K2152149 NONE 3
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15	11.2	3600	3510	215JMV	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	13.6	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300

FULL LOAD EFF: 90.2	3/4 LOAD EFF: 91.7	1/2 LOAD EFF: 91	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 91	3/4 LOAD PF: 89.5	1/2 LOAD PF: 84.5	88.5	SQ CAGE IND RUN	3.3

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.5 LB-FT	92.8	34.5 LB-FT 153	65.5 LB-FT 291	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	0.6 LB-FT^2	8 LB-FT^2	15 SEC.	2	130 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	SHAFT DOWN	FALSE	NONE	TRUE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6309	6206	POLYREX EM	JM	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

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

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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DATE: 06/22/2017 07:26:07 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 6/29/2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



215TTDW4007

Submittal

Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.3	4.8	7.2	10.4	13.6	15.6	17.2	92.8	
Torque (ft-lb)	0.00	5.5	11.0	16.7	22.5	26.0	28.5	34.5	
RPM	3600	3580	3560	3535	3510	3,495	3485	0	
Efficiency (%)		88.5	91.0	91.7	90.2	90.2	89.5		
P.F. (%)	9.0	69.0	84.5	89.5	91.0	91.5	91.5	42.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle					
Speed (RPM)	0	1200	3025	3510	3600					
Current (Amps)	92.8	80.0	58.8	13.6	3.3					
Torque (ft-lb)	34.5	31.0	65.5	22.5	0.00					
<div><div>— Efficiency (%) — P.F. (%) — Current (Amps)</div><div>EFFICIENCY (%)</div><div>P.F. (%)</div><div>CURRENT (AMPS)</div><div>LOAD</div></div>						Information Block				
						HP		15.0		
						Sync. RPM		3600		
						Frame		215		
						Enclosure		DP		
						Construction		TDW		
						Voltage		575 V		
						Frequency		60 Hz		
						Design		A		
						LR Code letter		G		
						Service Factor		1.15		
						Temp Rise @ FL		35 ° C		
						Duty		CONT		
						Ambient		40 ° C		
						Elevation		1,000 feet		
						Rotor/Shaft wk ²		0.60 Lb-Ft ²		
						Ref Wdg		K2152149 NONE		
Sound Pressure @ 1M		75 dBA								
VFD Rating		NONE								
Outline Dwg		A-SS86596-1240								
Conn. Diag		A-EE7300								
Additional Specifications:										
0										
0										
EQUIV CKT (OHMS / PHASE)										
R1	R2	X1	X2	Xm						
0.7590	0.5760	2.3300	1.5800	91.5470						

Speed -Torque Curve

