

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 213TTDW16060  
Catalog No: U430A  
7 1/2, 1800, DP, 213T, 3/60/230/460  
Open Drip Proof (ODP)



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**REGAL**<sup>®</sup>



### Nameplate Specifications

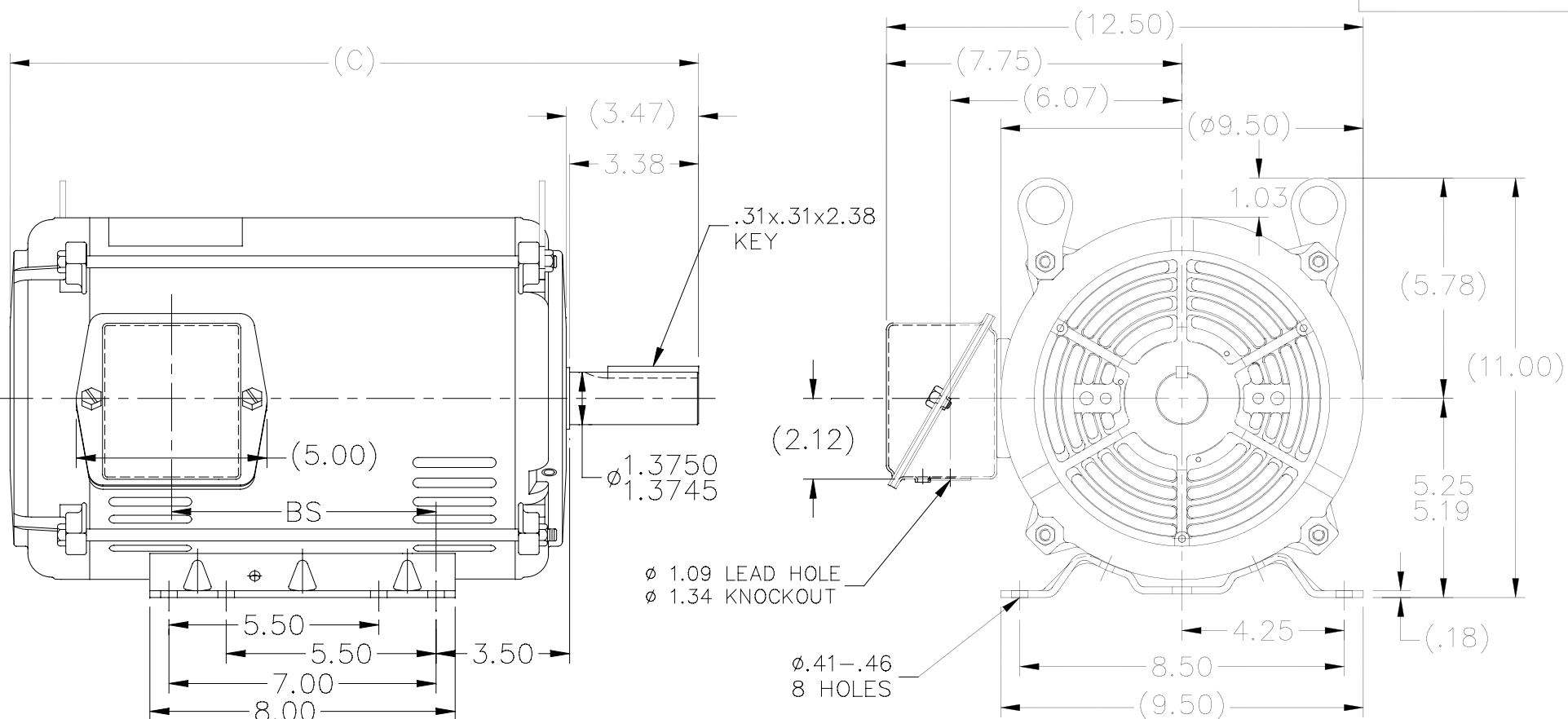
Output HP	<b>7.50 Hp</b>	Output KW	<b>5.6 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>19.2/9.6 A</b>	Speed	<b>1760 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>91 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>H</b>	Frame	<b>213T</b>
Enclosure	<b>Drip Proof</b>	Overload Protector	<b>Automatic</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6307</b>
Opp Drive End Bearing Size	<b>6206</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>22</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>T</b>
Overall Length	<b>19.29 in</b>	Frame Length	<b>12.40 in</b>
Shaft Diameter	<b>1.375 in</b>	Shaft Extension	<b>3.47 in</b>
Assembly/Box Mounting	<b>F1/F2 Capable</b>		
Outline Drawing	<b>A-SS86668-1240</b>	Connection Diagram	<b>A-EE7335</b>

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SS86668



DASH	FR.	C	BS	MOUNTING
965	213T	16.54	5.43	
1115	213/15T	18.04	6.93	
1240	213/15T	19.29	8.18	F1 ONLY
1545	215T	22.34	11.23	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.)

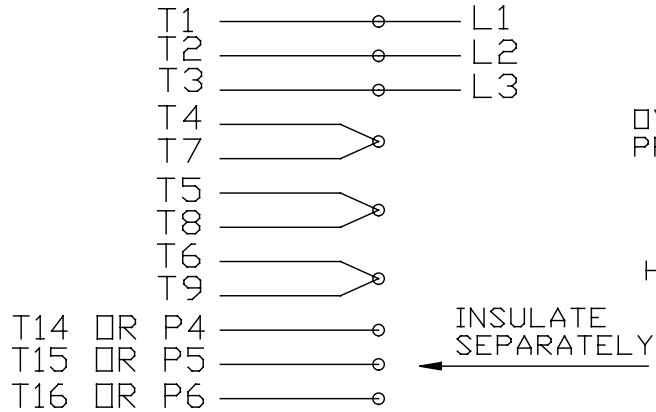
06-22-2004

			TOLERANCES UNLESS SPECIFIED		 <b>Regal Beloit America, Inc.</b>	DRAWN MRB 04-03-1997					
			DEC.	INCHES		CHK	ML	04-04-1997			
			.X	±.1		APPD	GK	04-04-1997			
3	TITLE BLOCK CHANGE PER ECO-0078542	MDV 06/09/2015	.XX	±.03	TITLE OUTLINE	SCALE	1=4				
2	UPDATED C'BOX GEOMETRY CN 28425	BJW 03-24-2000	.XXX	±.005	210T FR. - BB - TS - DR.PR.	REF					
1	NEW DRAWING	MRB 04-04-1997	.XXXX	±.0005	MAT'L.	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV					
			RFP		CAD FILE SS86668		SIZE	DRAWING NO.	PAGE	OF	REV.
			DIST	LB			A	SS86668			3

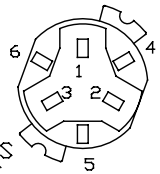
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EE7335

### HIGH VOLTAGE CONNECTIONS

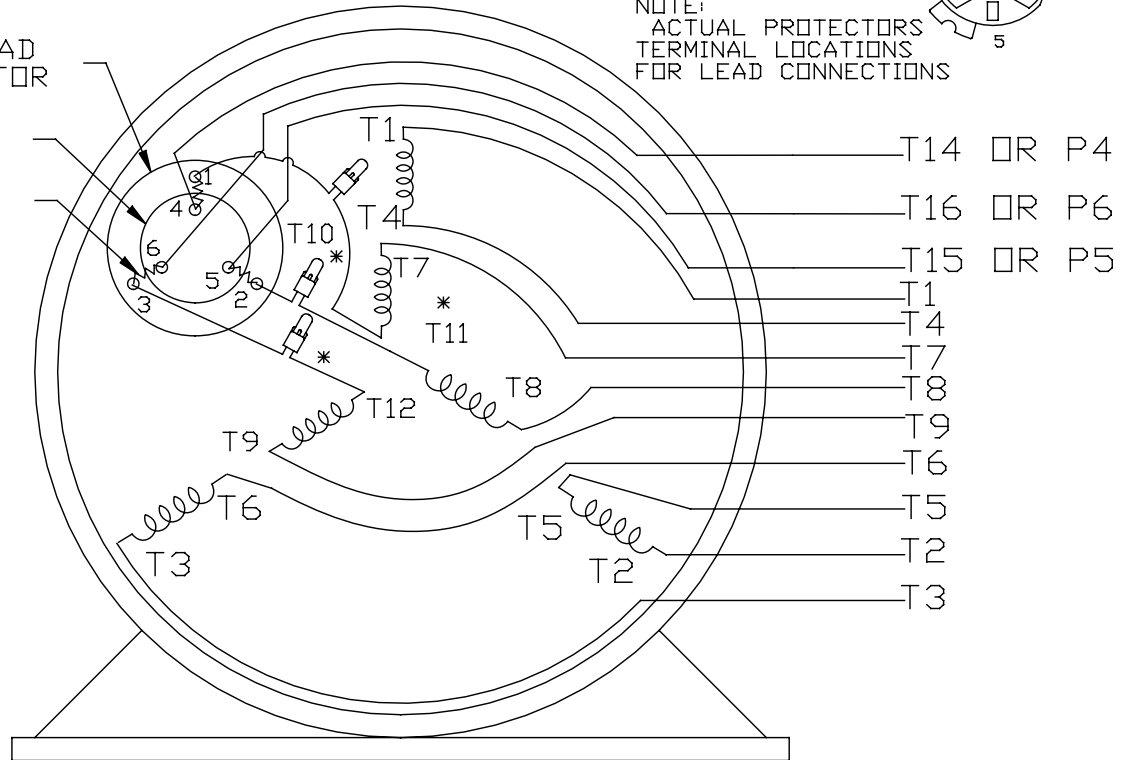


### THREE PHASE - DUAL VOLTAGE MOTOR WITH OVERLOAD PROTECTOR

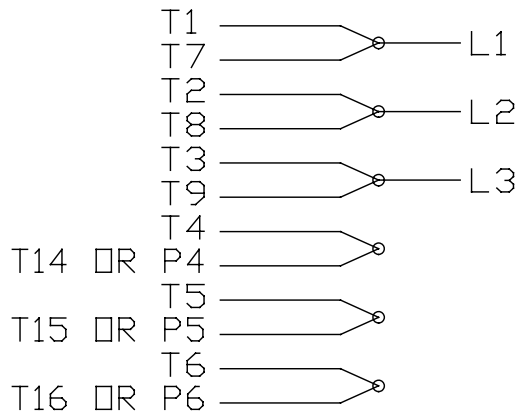


NOTE:  
ACTUAL PROTECTORS  
TERMINAL LOCATIONS  
FOR LEAD CONNECTIONS

OVERLOAD  
PROTECTOR  
DISC  
HEATER



### LOW VOLTAGE CONNECTIONS



VIEW OF TERMINAL END

T2K
T4D
T6AN

\* USE PRESSURE CONNECTORS FOR MT2 PLANT ONLY

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN	SCALE	REV.	
				DEC.	INCHES					
17	CHANGED LOGO FROM MARATHON TO REGAL	KIR 02/16/16	AB	DEC.	INCHES	<b>Regal Beloit America, Inc.</b>	KL	08-09-1993		
16	PRESSURE CONNECTORS QUANTITY WAS 6	PVR 10/29/13	GR	.X	±.1		CHK	ML	08/10/1993	
15	PRESSURE CONNECTORS ADDED	GR 03/04/13	SR	.XX	±.01		APPD	GK	08/10/1993	
14	ADDED ACTUAL PROECTOR VIEW CN 17481	KL 05/18/94		.XXX	±.005		TITLE		1=1	
13	REDRAWN IN AUTO CAD	KL 08/11/93		.XXXX	±.0005		3Ø-DUAL VOLT WITH OVERLOAD PROTECTO	REF		
				ANG	±1/2*	MAT'L.	FMF			
				RFP		FINISH	PREV			
				DIST		CAD FILE	EE7335	SIZE	DRAWING NO.	
						A	EE7335		17	

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**CERTIFICATION DATA SHEET**

**Model#:** 213TTDW16060 AA      **WINDING#:** K2134182 NONE 2  
**CONN. DIAGRAM:** A-EE7335      **ASSEMBLY:** F1/F2 CAPABLE  
**OUTLINE:** A-SS86668-1240

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2&5	5.60&3.70	1800	1760&1470	213T	DP	H	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	19.2/9.6&16.4/ 8.2	ACROSS THE LINE	CONTINUOU S	F4	1.15/1.15	40	3300

FULL LOAD EFF: 91&91	3/4 LOAD EFF: 91	1/2 LOAD EFF: 89.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
			89.5	SQ CAGE IND RUN	8.2 / 4.1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.5 LB-FT	127 / 63.5	51 LB-FT 227	66 LB-FT 293	22

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
66 dBA	76 dBA	0.85 LB-FT^2	50 LB-FT^2	20 SEC.	2	125 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
BALL	BALL						
6307	6206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	NONE	FALSE	NONE VOLTS
NONE	AUTOMATIC	NONE	NONE			

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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N  
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T  
E  
S  
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