

# PRODUCT INFORMATION PACKET

Model No: 213TTDBD6001  
Catalog No: GT0018A  
10,3600,DP,213T,3/60/230/460  
Open Drip Proof (ODP)



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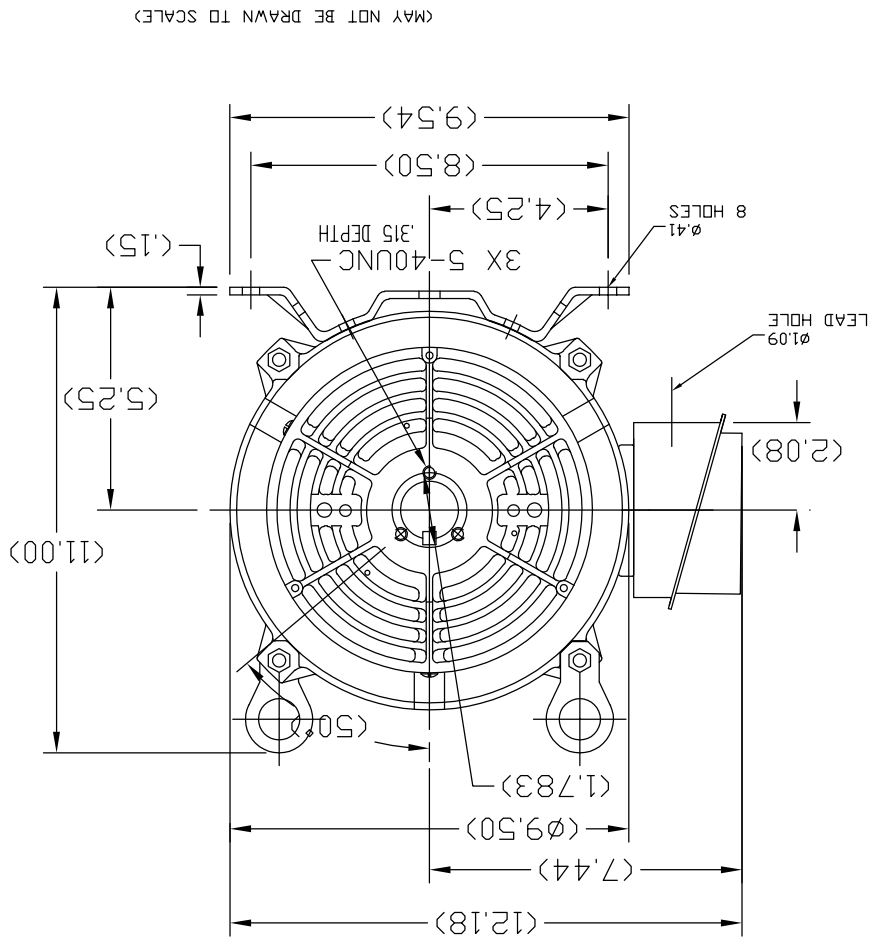
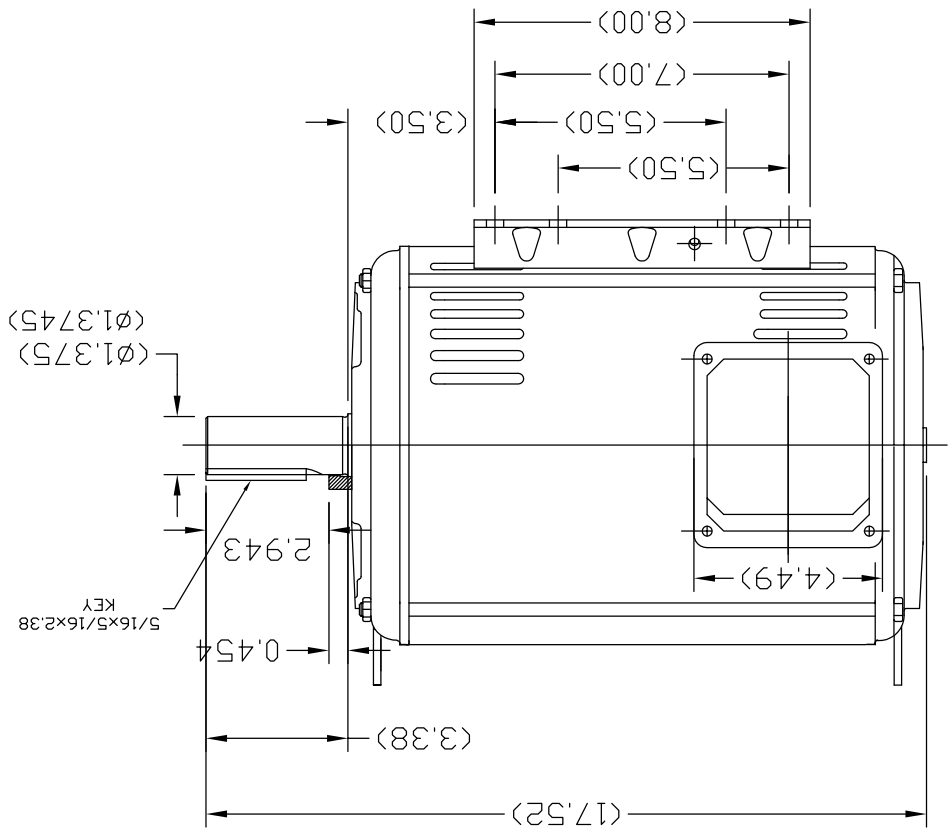
### Nameplate Specifications

Output HP	<b>10 Hp</b>	Output KW	<b>7.5 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>23.6/11.8 A</b>	Speed	<b>3518 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>90.2 %</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>No</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>23</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>Horizontal Or Shaft Down</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>
Frame Length	<b>11.15 in</b>	Shaft Diameter	<b>1.375 in</b>
Shaft Extension	<b>2.943 in</b>	Assembly/Box Mounting	<b>F1/F2 Capable</b>
Outline Drawing	<b>SS620684</b>	Connection Diagram	<b>EE7308</b>

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REV. 2		SS620684		DRAWING NO.		B		SIZE		CAD FILE		SS620684		RFP		DIST		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	
NO.		REVISION		BY & DATE		CHK		ANG		±1/2"		FINISH		PREV		TOLERANCES UNLESS SPECIFIED			
						XXX		±.005		MAT'L.		REGAL-VUXI							
						XX		±.03		TITLE		DUTLINE							
						X		±.1		DEC.		REGAL-BELOIT CORPORATION							
						X				APPD		ZL 04-16-2015							
										CHK		YH 04-16-2015							
										DRAWN		XW 04-16-2015							

SS620684

EE7308

THREE PHASE  
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.  
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD  
CONNECTION

L1 — WHITE  
L2 — RED  
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			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 ee7308	SIZE A	DRAWING NO. EE7308	PAGE OF 5	REV. 5
							DIST WP					



Regal Beloit America, Inc.

3Ø - DUAL VOLTAGE MOTOR



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

**CERTIFICATION DATA SHEET**

**CUSTOMER:** CUSTOMER  
**ORDER #:** PO #:  
**CONN. DIAGRAM:** EE7308 **MODEL #:** 213TTDBD6001 A  
**OUTLINE:** SS620684 **CUSTOMER PART #:**  
**WINDING #:** HE31322010 2 **MOUNTING:** F1/F2 CAPABLE

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
10&7 1/2	7.50&5.60	3600	3518&2925	213T	DP	H	B	
PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB-C
3	60/50	230/460&190/380	23.6/11.8&21.6/10.8	LINE OR INVERTER	CONTINUOUS	F3	1.15/1.15	40

<b>FULL LOAD EFF:</b>	90.2&89.5	<b>3/4 LOAD EFF:</b>	89.9	<b>1/2 LOAD EFF:</b>	91.4	<b>GTD. EFF</b>	89.5	<b>ELEC. TYPE</b>	SQ CAGE INV RATED
<b>FULL LOAD PF:</b>	88&88.5	<b>3/4 LOAD PF:</b>	84.5	<b>1/2 LOAD PF:</b>	76				

<b>F.L. TORQUE</b>	<b>LOCKED ROTOR AMPS</b>	<b>L.R. TORQUE</b>	<b>B.D. TORQUE</b>	<b>F.L. RISE°C</b>
14.9 LB-FT	158 / 79	28 LB-FT	41 LB-FT	275 %
		188 %		55

<b>SOUND PRESSURE @ 3 FT.</b>	<b>SOUND POWER</b>	<b>ROTOR WK^2</b>	<b>MAX. WK^2</b>	<b>SAFE STALL TIME</b>	<b>STARTS / HOUR</b>	<b>APPROX. MOTOR WGT</b>
72 DBA	82 DBA	0.6 LB-FT^2	18 LB-FT^2	15 SEC.	2	190 LBS.

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

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6307	6206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDS	BRG RTDS	NONE	FALSE	NONE
NONE	NOT	NONE	NONE			

**\***

**INVERTER**  
**TORQUE:** CONSTANT 20:1/VARIABLE 20:1

**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

**S**

\*

**PREPARED BY:** Anusha Muthyala  
**DATE:** 05/04/2018 03:26:46 AM  
**FORM 3531 REV.3 02/07/99**  
**\*\* Subject to change without notice.**

**MARATHON ELECTRIC CORPORATION**

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460

Volts

HP 10&7.5

PHASE 3

Model No 213TTDBD6001

60

HZ

VOLTS 230/460&190/380

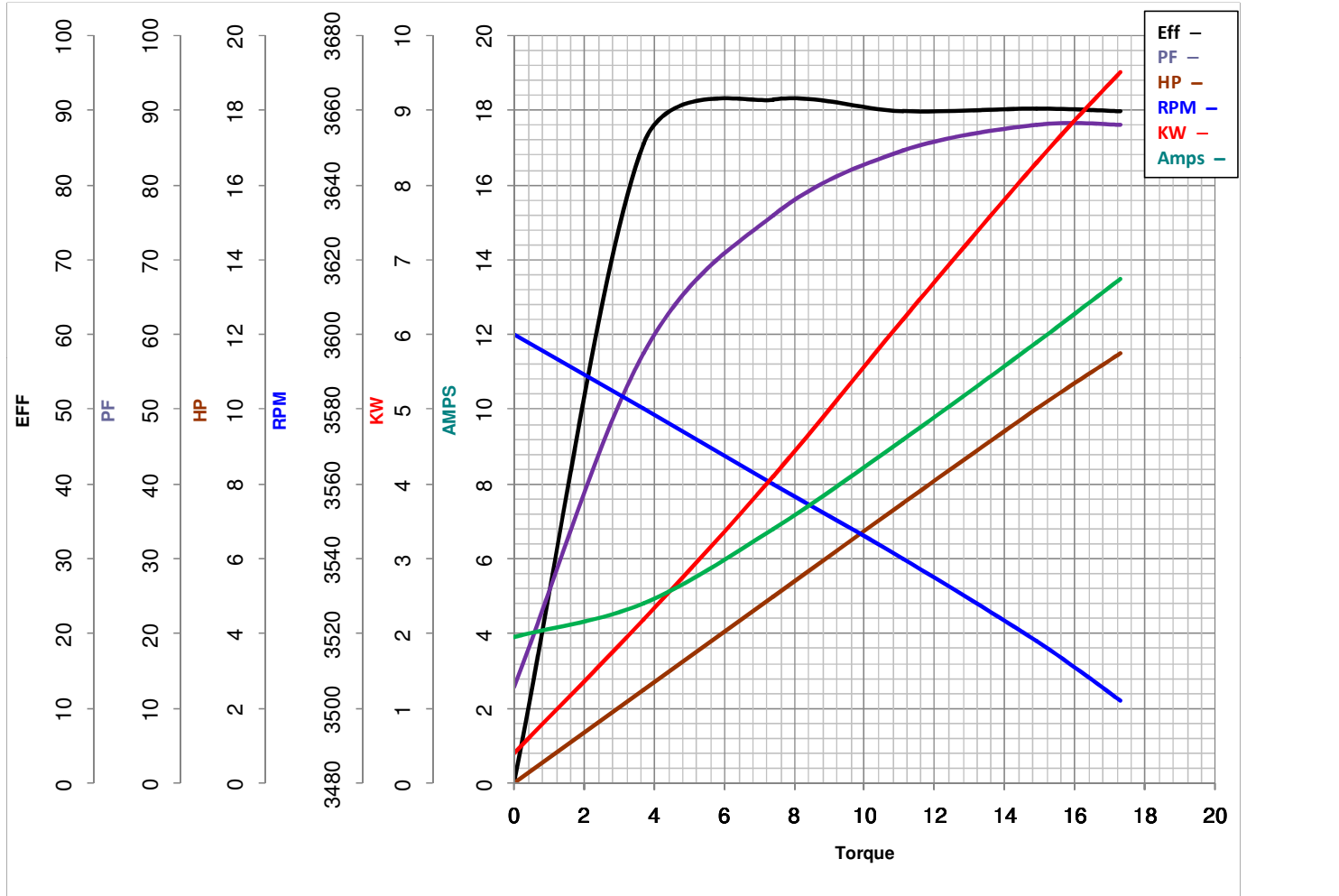
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HP

Catalog No GT0018A

HZ 60&50

RPM 3518&2925



Torque in Lb.Ft

FL TORQUE 14.9 Lb.Ft  
 BD TORQUE 41.0 Lb.Ft  
 LR TORQUE 28 Lb.Ft

FL AMPS 23.6/11.8  
 PU TORQUE 24.0 Lb.Ft  
 LR AMPS 79

WINDING HE31322010-2 Prepared By ANUSHA M

Date 5/4/2018