

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 215TTDWD14018

Catalog No: M813B

15 HP Vertical Solid Shaft P-Base Motor, 3 phase, 3600 RPM, 230/460 V, 215HPV Frame, ODP  
Vertical Pump Motors



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**RegalRexnord**

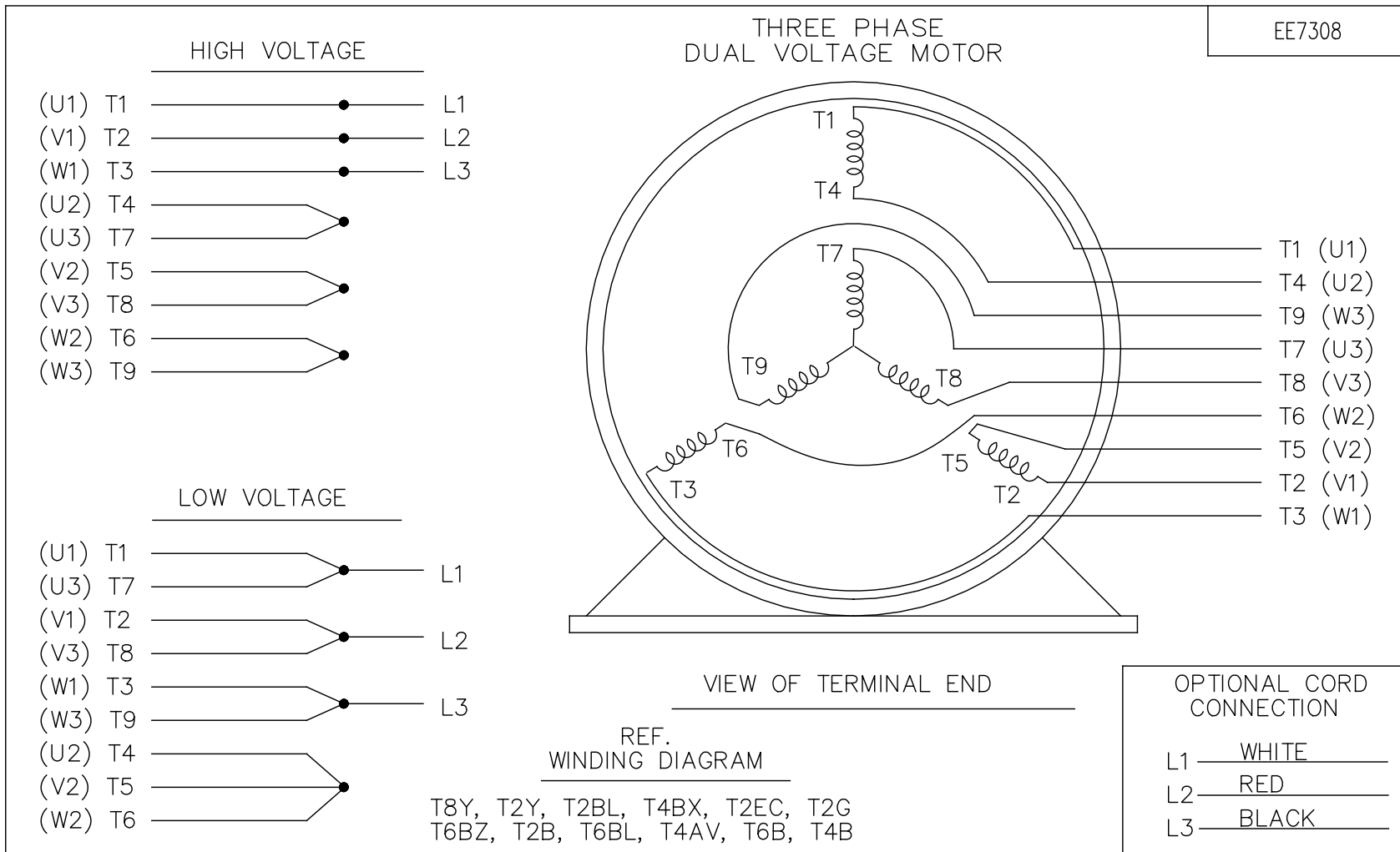
### Nameplate Specifications

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	215HPV	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	.906 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	HP	Overall Length	20.30 in
Frame Length	11.15 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS86651-1115	Connection Drawing	A-EE7308





NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		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		SCALE	1=1
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		REF	
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		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 ee7308	SIZE A	DRAWING NO. EE7308
					DIST WP			OF 5

**CERTIFICATION DATA SHEET**

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

**CONN. DIAGRAM:** A-EE7308

**MODEL #:** 215TTDWD14018 AA

**OUTLINE:** SS86651-1115

**MOUNTING:** F1/F2 CAPABLE

**WINDING #:** K2152225 3

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
15	11.2	3600	3525	215HPV	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	36.5/18.2	ACROSS THE LINE	CONTINUOUS	F3	1.15	40

<b>FULL LOAD EFF:</b>	91	<b>3/4 LOAD EFF:</b>	92.1	<b>1/2 LOAD EFF:</b>	91.8	<b>GTD. EFF</b>		<b>ELEC. TYPE</b>
<b>FULL LOAD PF:</b>	85	<b>3/4 LOAD PF:</b>	79.6	<b>1/2 LOAD PF:</b>	69.5	89.5		SQ CAGE IND RUN

<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>
22.4 LB-FT		232 / 116		41.8 LB-FT 187 %		62.9 LB-FT 281 %		40

<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>
75 dBA		85 dBA		0.5 LB-FT^2		25 LB-FT^2		15 SEC.		2		115 LBS.

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

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

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

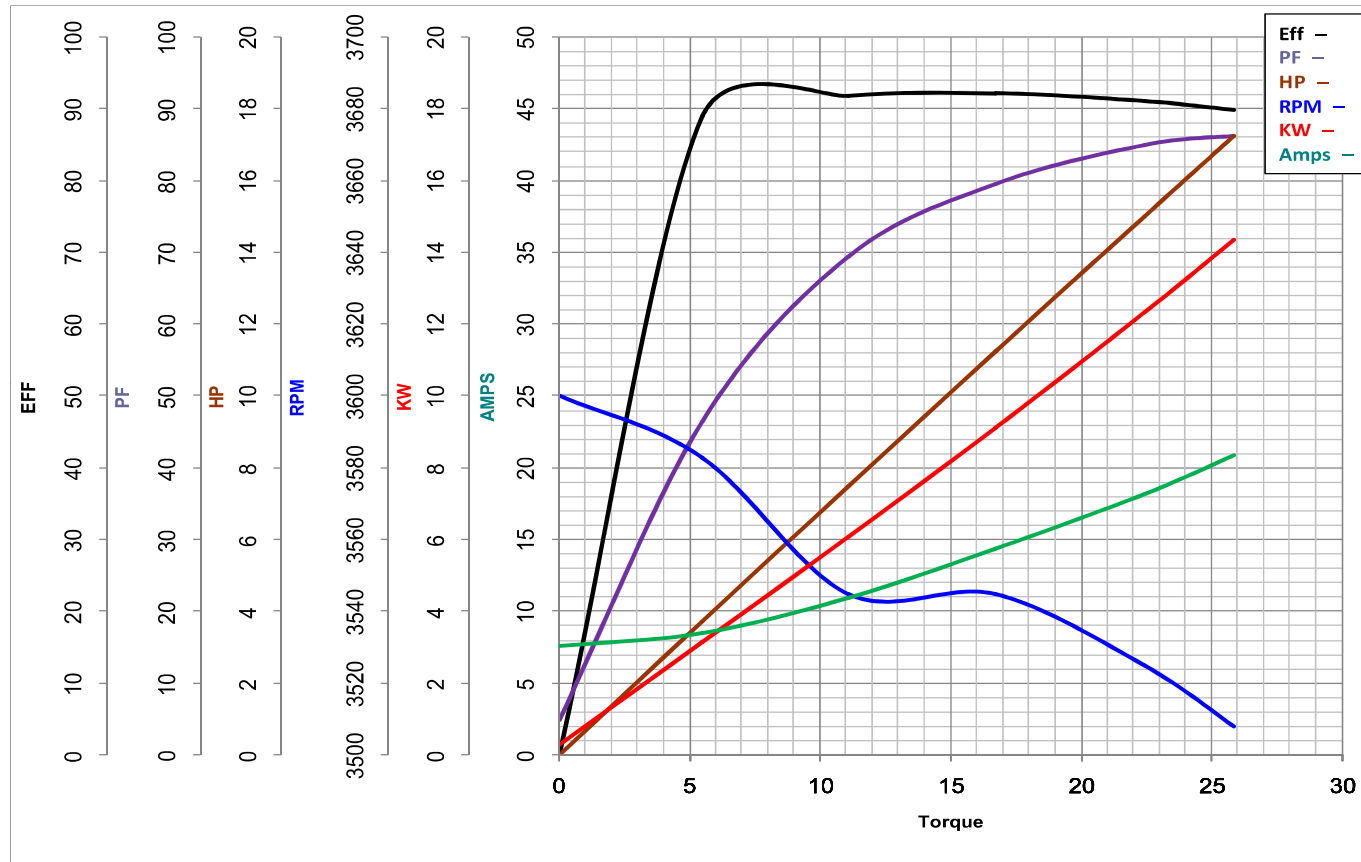
THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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

**MARATHON ELECTRIC CORPORATION**

TYPICAL PERFORMANCE CURVE for AC MOTOR

**Customer****Curve at**460**Volts****HP** 15.00**PHASE** 3**Model No** 215TTDWD1401860**HZ****VOLTS** 230/46015**HP****Catalog No** M813B**HZ** 60**RPM** 3525**Torque in Lb.Ft****FL TORQUE** 22.4 **Lb.Ft****FL AMPS** 36.5/18.2**BD TORQUE** 62.9 **Lb.Ft****PU TORQUE** 40.0 **Lb.Ft****LR TORQUE** 41.8 **Lb.Ft****LR AMPS** 116**WINDING** K2152225-3**Date** 11/5/2018