

# PRODUCT INFORMATION PACKET

Model No: 215TTWW16002

Catalog No: N663

PowerWash™ XT Wash Down Duty™ General Purpose Motor, 10 & 7.5 HP, 3 Ph, 60 & 50 Hz,  
230/460 & 190/380 V, 3600 & 3000 RPM, 215TC Frame, TEFC



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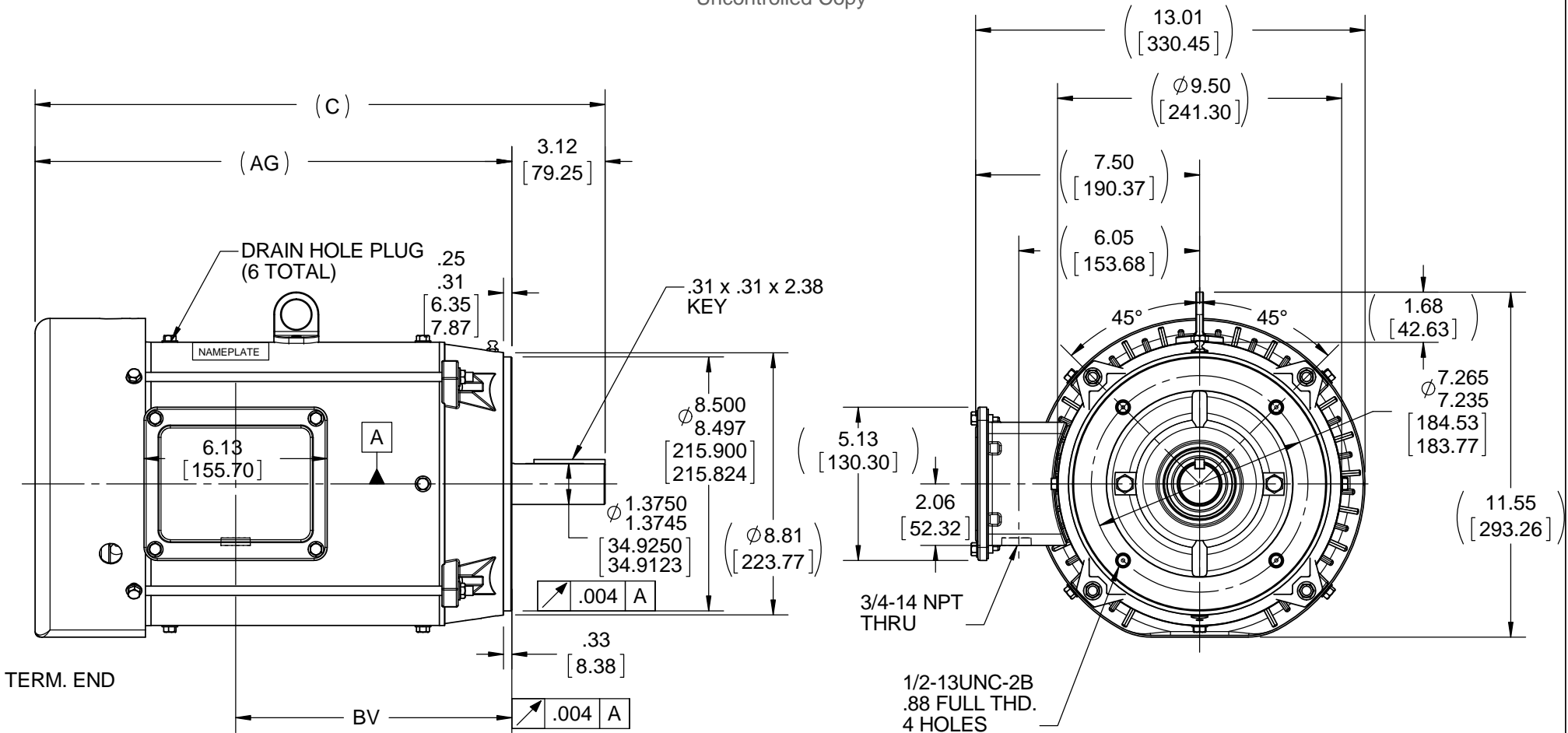
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### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>10 &amp; 7.50 Hp</b>
Output KW	<b>7.5 &amp; 5.6 kW</b>	Voltage	<b>230/460 &amp; 190/380 V</b>
Speed	<b>3535 &amp; 2940 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>215TC</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>91.7 &amp; 90.2 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>23.6/11.8 &amp; 22/11 A</b>	Power Factor	<b>87</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>H</b>
Drive End Bearing Size	<b>6309</b>	Opp Drive End Bearing Size	<b>6206</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>55</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.8 Ohms</b>	Mounting	<b>Round</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>21.83 in</b>
Frame Length	<b>12.40 in</b>	Shaft Diameter	<b>1.375 in</b>
Shaft Extension	<b>3.12 in</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Connection Drawing	<b>A-EE7308</b>	Outline Drawing	<b>A-SS88922-1240</b>



DASH	FRAME	C	AG	BV	MOUNTING
965	213T	19.08	15.96	9.26	
1115	213/15T	20.58	17.46	10.76	
1240	213/15T	21.83	18.71	12.01	F1 ONLY

NOTES:

- 1- NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
- 2- C'BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180° (EXCEPT AS NOTED).
- 3- DASH 965 TO BE READ FROM OPPOSITE SHAFT END.

DRAWING REVISION <b>C</b>	REVISION BY <b>M. VERBICK</b>	DATE <b>6/2/2015</b>
ECO <b>ECO-0078542</b>	APPROVED BY	DATE
ECO DESCRIPTION <b>UPDATED TITLE BLOCK LOGO</b>		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7' 30"
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51]			
MACHINED SURFACES: 200 INCH 5.1 mm			
mm SHOWN IN [BRACKETS]			

DRAWN BY <b>SR</b>
DATE <b>05/04/2011</b>
APPROVED BY <b>AK</b>
DATE <b>05/04/2011</b>
REFERENCE <b>SS88922LE</b>
THIRD ANGLE PROJECTION

<b>Regal Beloit America, Inc.</b>	
DESCRIPTION <b>OUTLINE</b>	
210 FR. - BB - TS - TEFC - R/S - C'FACE	
MATERIAL	PROCESS/FINISH
SIZE <b>A</b>	DRAWING NUMBER <b>SS88922</b>
SHEET <b>1 OF 1</b>	



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			SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		TITLE CONNECTION DIAGRAM 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					



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 #: 215TTWW16002  
 CONN. DIAGRAM: A-EE7308 CAT #: N663  
 OUTLINE: A-SS88922-1240 CUSTOMER PART #: \_\_\_\_\_  
 WINDING: K215295 R8 6 MOUNTING: F1/F2 CAPABLE  
 SPEED: \_\_\_\_\_

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN		
10	7.5	3600	3535	215TC	TEFC	TFW	H	B		
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.	
3	60/50	230/460#190/380	23.6/11.8&22/11	ACROSS THE LINE	CONT	F	1.15	40	3300	
F.L. EFF	91.7	3/4 LD EFF	92.4	1/2 LD EFF	91.7	GTD EFF	90.2	ELECT. TYPE	SQ CAGE IND RUN	
F.L. PF	87.0	3/4 LD PF	86.0	1/2 LD PF	78.5					
F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)						
14.9 LB-FT	80.0	30.0 LB-FT 201%	46.0 LB-FT 309%	50						
@ 3 FT.	POWER	ROTOR WK <sup>2</sup>	MAX. LOAD WK <sup>2</sup>	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT				
72 dBA	81 dBA	0.65 LB-FT <sup>2</sup>	18 LB-FT <sup>2</sup>	15 SEC.	2	140 LB.				
*** SUPPLEMENTAL INFORMATION ***										
DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT		
C-FACE	STANDARD	ROUND	HORIZONTAL	NO	NONE	NO	NONE	HITE - LEESON (EPO)		
BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL			
DE	ODE	POLYREX EM	T	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL			
BALL	BALL									
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				
0.523	0.398	1.806	2.062	72.136	0.150	ODE				
* N O T E S *						INVERTER TORQUE: NONE				
						INV. HP SPEED RANGE: NONE				
						ENCODER: 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: 12/5/2018  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



215TTWW16002

Submittal

Data @ 460 V

Motor Load Data

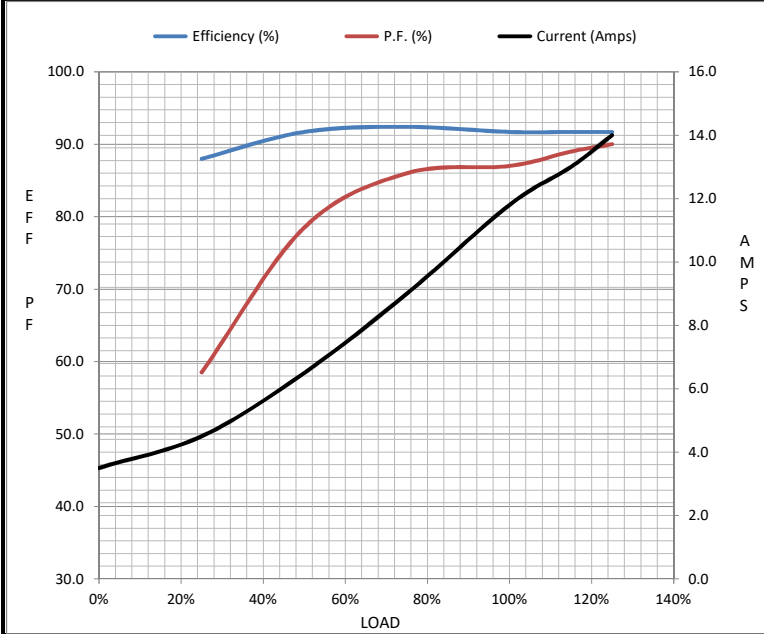
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	3.5	4.5	6.5	9.0	11.8	13.0	14.0	80.0
Torque (ft-lb)	0.00	3.5	7.5	11.0	14.9	17.0	18.5	30.0
RPM	3600	3585	3570	3555	3535	3,530	3525	0
Efficiency (%)		88.0	91.7	92.4	91.7	91.7	91.7	
P.F. (%)	8.5	58.5	78.5	86.0	87.0	89.0	90.0	40.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3175	3535	3600
Current (Amps)	80.0	72.0	50.0	11.8	3.5
Torque (ft-lb)	30.0	27.0	46.0	14.9	0.00

Information Block

HP	10.0			
Sync. RPM	3600			
Frame	215			
Enclosure	TEFC			
Construction	TFR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	50 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.65 Lb-Ft <sup>2</sup>			
Ref Wdg	K215295 R8			
Sound Pressure @ 1M	72 dBA			
VFD Rating	NONE			
Outline Dwg	A-SS88922-1240			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.5230	0.3980	1.8060	2.0620	72.1360



Speed - Torque Curve

