PRODUCT INFORMATION PACKET

Model No: 215TTWW14009
Catalog No: N212
PowerWash™ XT Wash Down Duty™ Washdown Pump Motor, 10 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 215JM Frame, TEFC

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Nameplate Specifications

Phase	3	Output HP	10 Hp
Output KW	7.5 kW	Voltage	230/460 V
Speed	3525 rpm	Service Factor	1.15
Frame	215JM	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	89.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	24.0/12.0 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	.98 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	21.71 in
Frame Length	11.15 in	Shaft Diameter	1.000 in
Shaft Extension	4.25 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE7308	Outline Drawing	SS88927-1115

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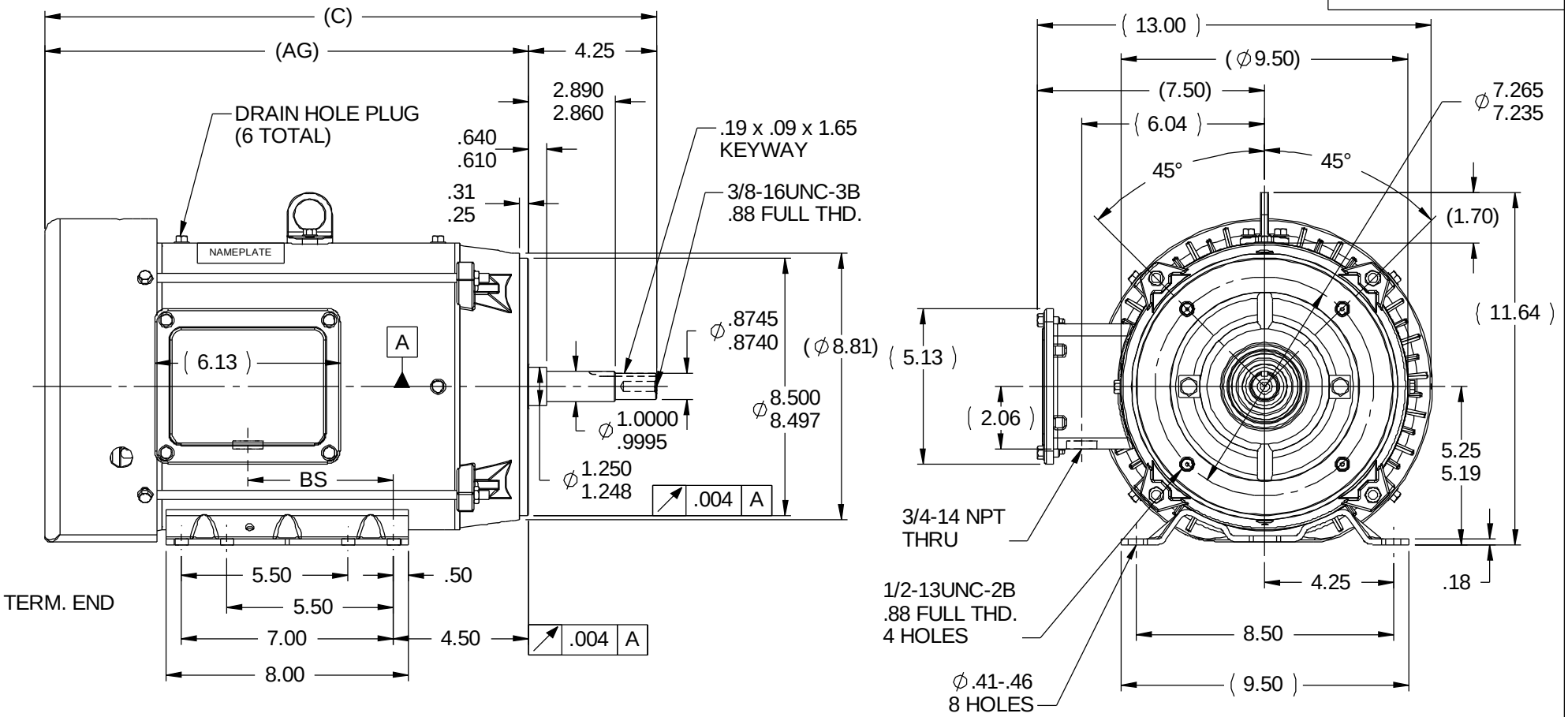
SS88927



DASH	FRAME	C	BS	AG
965	213JM	20.21	4.81	15.96
1115	213/15JM	21.71	6.31	17.46
1240	215JM	22.96	7.56	18.71

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

NO	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

DEC	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

marathon® electric

TITLE OUTLINE - WASHDOWN
210FR. -TEFC - C'FACE - 3 PHASE

MAT'L
FINISH
RFP
CAD FILE
DIST SS88927

DRAWN UD 08/21/13
CHK SR 08/21/13
APPR
SCALE 1:4
REF
FMF
PREV

SIZE A
DRAWING NO **SS88927**
REV

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EE7308

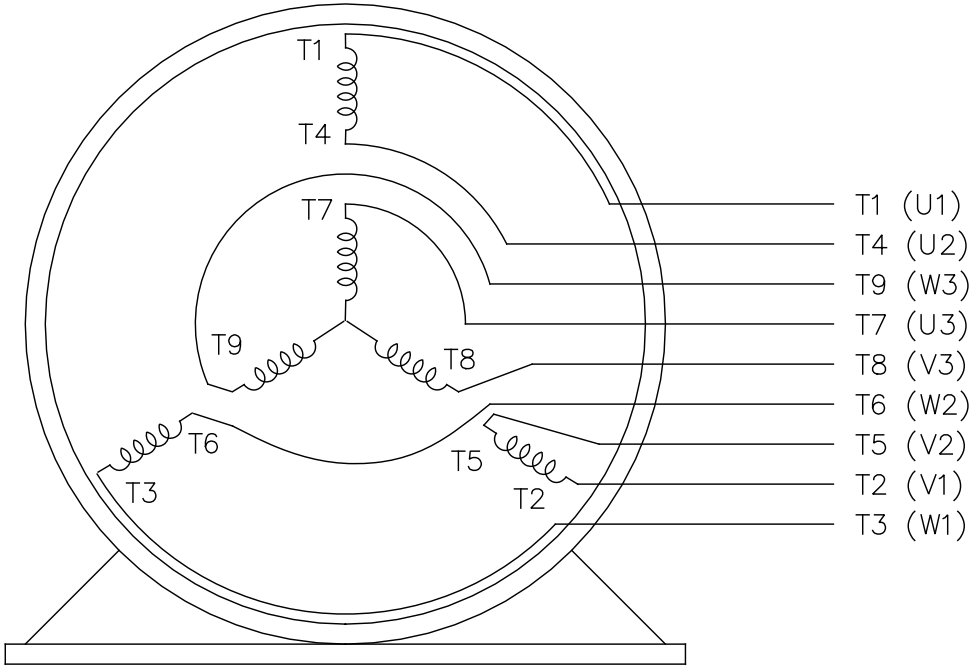
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE

(U1) T1 — L1
(V1) T2 — L2
(W1) T3 — L3
(U2) T4
(U3) T7
(V2) T5
(V3) T8
(W2) T6
(W3) T9

LOW VOLTAGE

(U1) T1
(U3) T7 — L1
(V1) T2
(V3) T8 — L2
(W1) T3
(W3) T9 — L3
(U2) T4
(V2) T5
(W2) T6



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
5	CHG TO REGAL LOGO	SL 09/10/2015	AB
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS
1	REDRAWN	RM 11/20/1990	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.02
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

Regal Beloit America, Inc.

TITLE CONNECTION DIAGRAM
3ø – DUAL VOLTAGE MOTOR

MAT'L.
FINISH
CAD FILE ee7308
RFP
DIST WP

DRAWN RM	11/20/1990
CHK ML	11/21/1990
APPD SAS	04/24/2003
SCALE	1=1
REF	
FMF	
PREV	

SIZE A | DRAWING NO. EE7308 | PAGE OF | REV. 5

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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: A-EE7308
OUTLINE: SS88927-1115
WINDING: K2152190 NONE 1
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 215TTWW14009
CAT #: #VALUE!
CUSTOMER PART #:
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
10	7.5	3600	3525	215JM	TEFC	TFW	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	24/12	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	89.5	3/4 LD EFF	89.5	1/2 LD EFF	87.5	GTD EFF	ELECT. TYPE
F.L. PF	87.0	3/4 LD PF	80.0	1/2 LD PF	70.5	87.5	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
15.0 LB-FT	72.0	24.5 LB-FT 163%	43.5 LB-FT 290%	50	

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
75 dBA	84 dBA	0.50 LB-FT²	15 LB-FT²	15 SEC.	2	115 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	HITE - LEESON (EPOX

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 6309	BALL 6206	POLYREX EM	JM	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL

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
0.687	0.466	2.178	1.917	72.988	0.150	ODE

*
NOTES
*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE PPR

BRAKE: NONE
NONE NONE
FT-LB: NA
VOLTAGE: NONE HZ:

UL: V-INS, CONST UL REC

PREPARED BY: FAREEDA DUDEKULA
DATE: 11/5/2018

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 12/10/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

215TTWW14009

Submittal

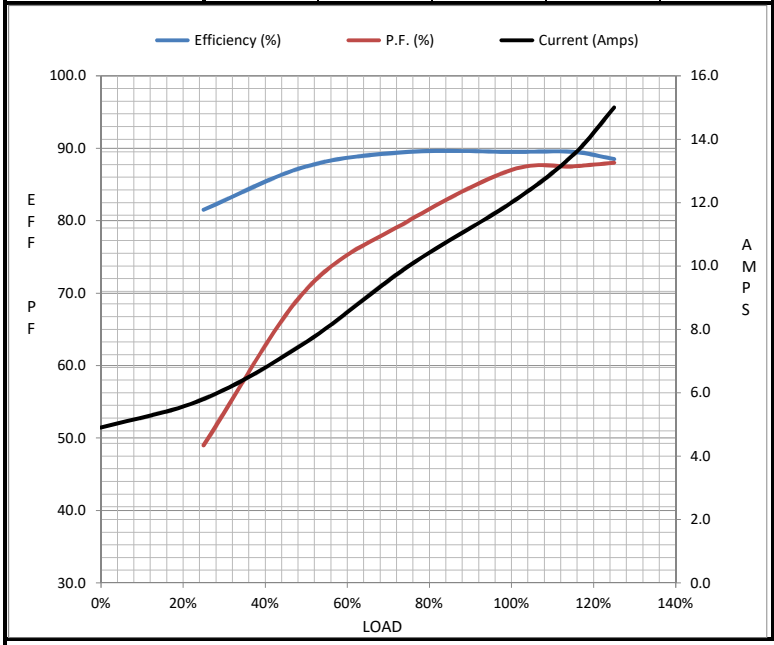
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	4.9	5.8	7.6	10.0	12.0	13.5	15.0	72.0	
Torque (ft-lb)	0.00	3.7	7.5	11.0	15.0	17.0	19.0	24.5	
RPM	3600	3580	3565	3545	3525	3,515	3505	0	
Efficiency (%)		81.5	87.5	89.5	89.5	89.5	88.5		
P.F. (%)	10.0	49.0	70.5	80.0	87.0	87.5	88.0	38.5	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3200	3525	3600
Current (Amps)	72.0	67.0	48.0	12.0	4.9
Torque (ft-lb)	24.5	24.0	43.5	15.0	0.00



Information Block

HP	10.0	
Sync. RPM	3600	
Frame	215	
Enclosure	TEFC	
Construction	TFR	
Voltage	230/460	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	50	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.50	Lb-Ft²
Ref Wdg	K2152190 NONE	
Sound Pressure @ 1M	75	dBA
VFD Rating	NONE	
Outline Dwg	SS88927-1115	
Conn. Diag	A-EE7308	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.6870	0.4660	2.1780	1.9170	72.9880

Speed -Torque Curve