PRODUCT INFORMATION PACKET

Model No: 213TTDW6030
Catalog No: E758A
7 1/2,1800,DP,213T,3/60/575
Open Drip Proof (ODP)

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Nameplate Specifications

Output HP	**7.5 Hp**	Output KW	**5.6 kW**
Frequency	**60 Hz**	Voltage	**575 V**
Current	**7.7 A**	Speed	**1760 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**91 %**	Duty	**CONTINUOUS**
Insulation Class	**F**	Design Code	**B**
KVA Code	**H**	Frame	**213T**
Enclosure	**DP**	Overload Protector	**NOT**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6307**
Opp Drive End Bearing Size	**6206**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**		

Technical Specifications

Electrical Type	**SQ CAGE IND RUN**	Starting Method	**ACROSS THE LINE**
Poles	**4**	Rotation	**REV**
Mounting	**RIGID**	Motor Orientation	**HORIZONTAL**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**ROLLED STEEL**	Shaft Type	**T**
Overall Length	**18.55 in**	Frame Length	**12.4 in**
Shaft Diameter	**1.38 in**	Shaft Extension	**3.47 in**
Assembly/Box Mounting	**F1/F2 CAPABLE**		
Outline Drawing	**SS86500-1240**	Connection Diagram	**A-EE7300**

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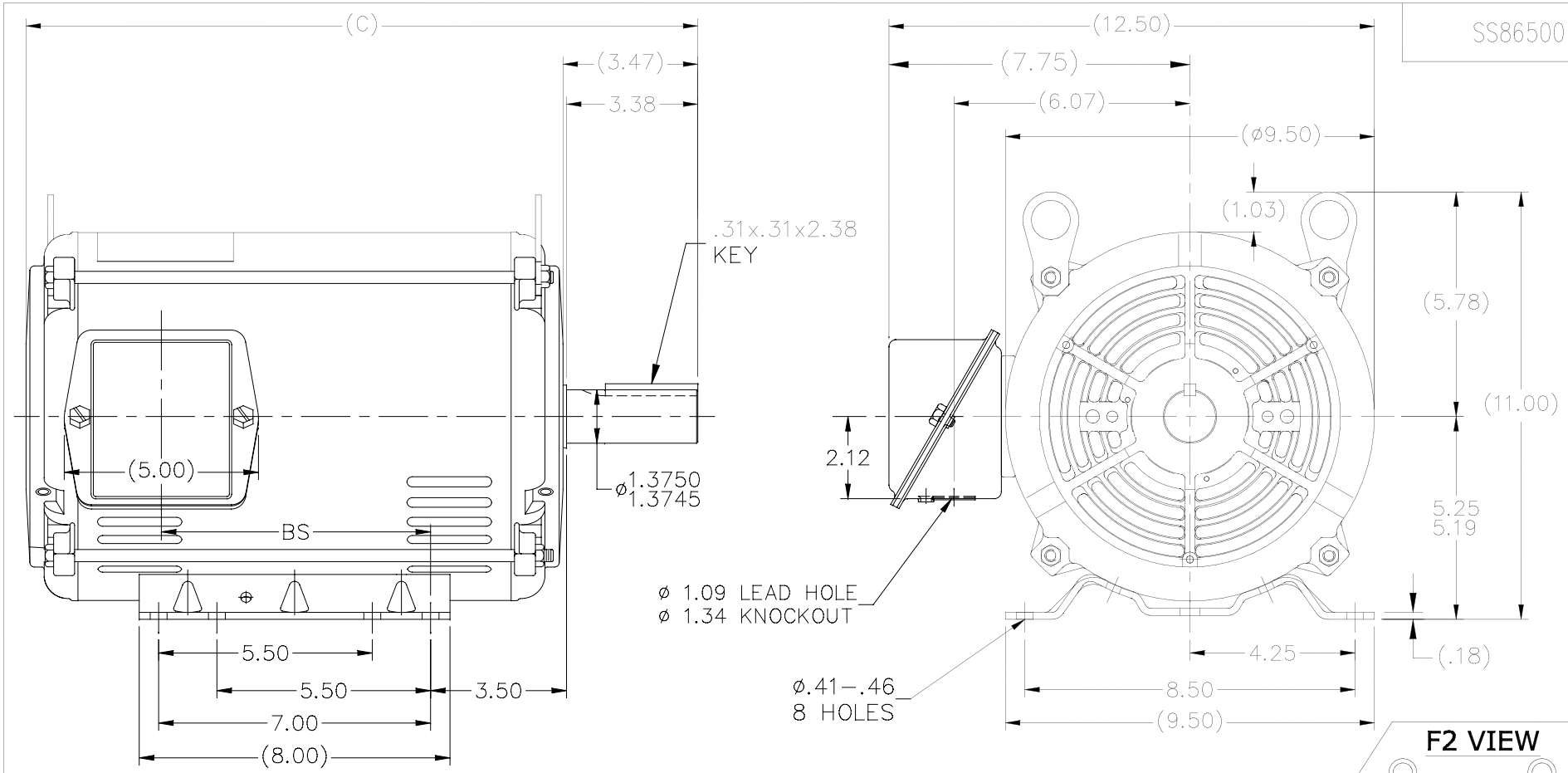
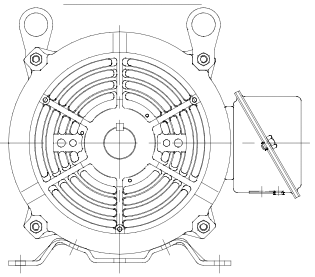
SS86500



F2 VIEW



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.)

DASH	FR.	C	BS	MOUNTING
1115	213/15T	17.30	6.93	F1/F2
1240	213/15T	18.55	8.18	F1 ONLY

NO.	REVISION	BY & DATE
14	TITLE BLOCK LOGO CHANGE PER ECO-0078542	MDV 06/09/2015
13	FOR FRAME 11.15 MOUNTING NOTE ADDED	UD 12/13/12
12	ADDED: F2 VIEW.	KVN 2/10/2009
11	UPDATED DRAWING	TJW 04/27/2007
10	REM'VD. DASH 965 FROM SERIES CN38252	RWR 07-20-2004
9	REDRAWN IN AUTOCAD	TAT 06-29-2004

MDV	TOLERANCES UNLESS SPECIFIED	
SR	DEC.	INCHES
SVL	.X	±.1
	.XX	±.03
ML	.XXX	±.005
ML	.XXXX	±.0005
CHK	ANG	±7'30"
RFP		
DIST	LB	

REGAL™ Regal Beloit America, Inc.

TITLE OUTLINE
210 FR. – BB – TS – DR. PR.

MAT'L.

FINISH

CAD FILE ss86500

DRAWN	SMC 04-13-1993
CHK	MOL 04-04-1993
APPD	DRN 04-13-1993
SCALE	1=4
REF	
FMF	
PREV	

SIZE	DRAWING NO.	PAGE 1 OF 1	REV.
A	SS86500		14

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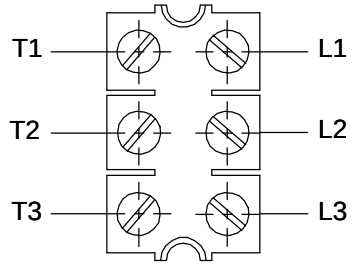
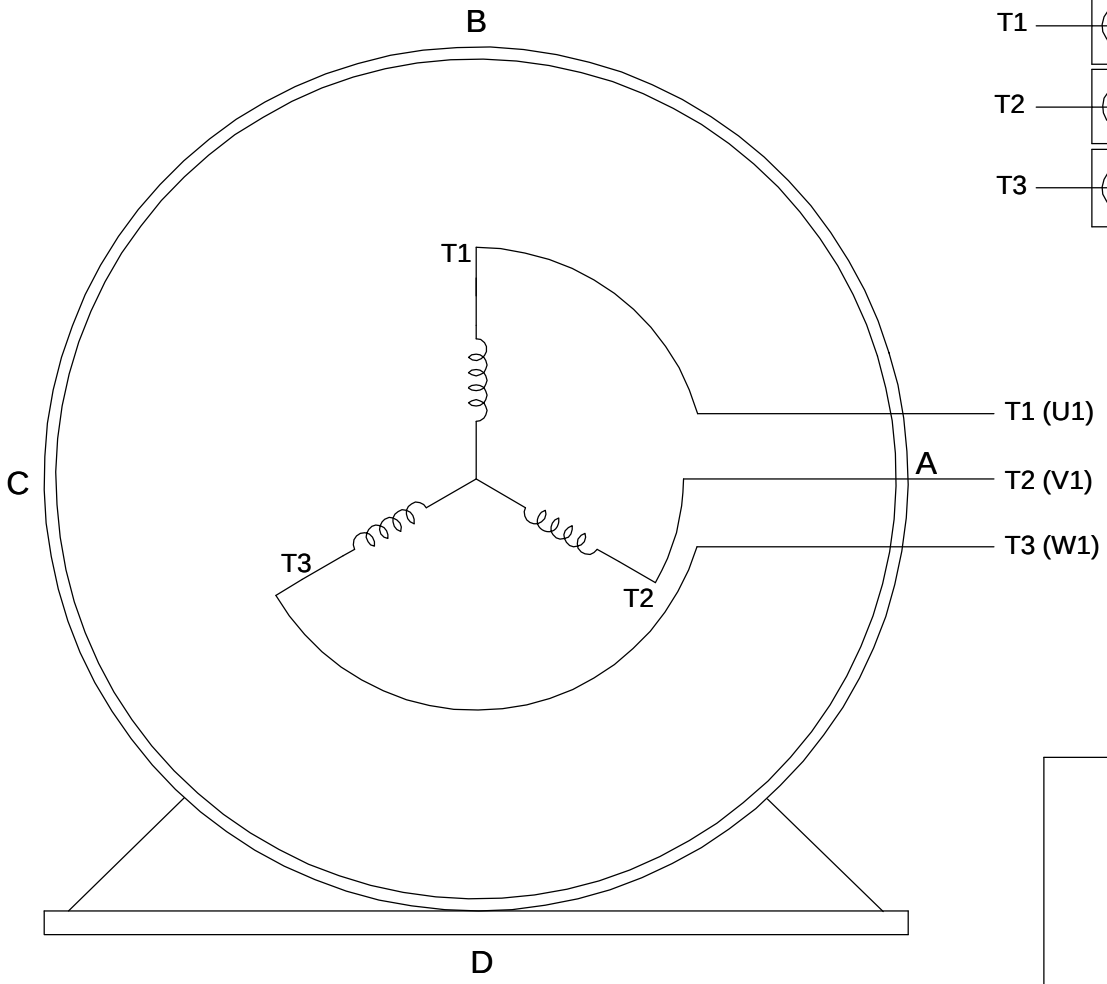
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

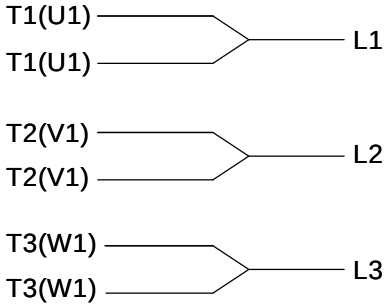
TERMINAL BLOCK WHEN SPECIFIED





VIEW OF TERMINAL END

IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION

L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION: AB	REVISION BY: JJB	DATE: 06-27-2017
ECO: ECO-0125361	APPROVED BY: TB	DATE: 06-27-2017
ECO DESCRIPTION: UPDATED TO CURRENT STANDARDS		

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DRAWN BY: DA	Regal Beloit America, Inc.
DATE: 03-26-1993	
APPROVED BY: TB	DESCRIPTION: CONNECTION DIAGRAM
DATE: 03-26-1993	EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: A / DRAWING NUMBER: EE7300 / SHEET: 1 OF 1

CERTIFICATION DATA SHEET

Model#:	213TTDW6030 A	**WINDING#:**	K2134182 NONE 6
CONN. DIAGRAM:	A-EE7300	**ASSEMBLY:**	F1/F2 CAPABLE
OUTLINE:	SS86500-1240		

TYPICAL MOTOR PERFORMANCE DATA

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

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	7.7	ACROSS THE LINE	CONTINUOUS	F4	1.15	40	3300

FULL LOAD EFF: 91	3/4 LOAD EFF: 91	1/2 LOAD EFF: 89.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 80	3/4 LOAD PF: 75	1/2 LOAD PF: 64.8	89.5	SQ CAGE IND RUN	3.3

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.5 LB-FT	50.8	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						
BALL 6307	BALL 6206	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

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

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

* NOTES *

DATE: 06/22/2017 05:01:31 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 15-06-2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon electric

213TTDW6030

Submittal

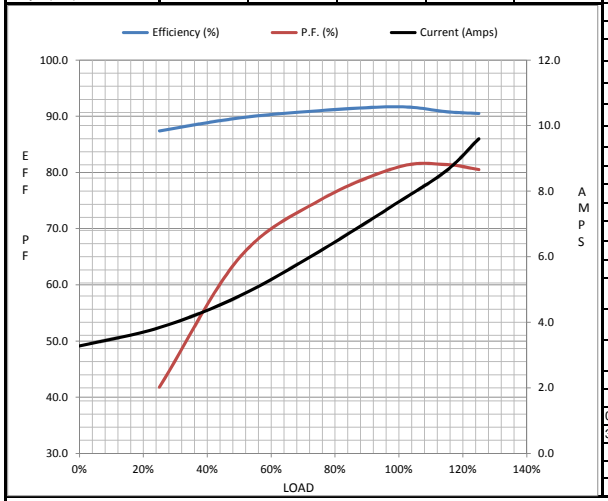
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.3	3.8	4.8	6.2	7.7	8.6	9.6	50.8	
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.5	25.5	28.0	51.0	
RPM	1800	1790	1780	1775	1760	1,755	1752	0	
Efficiency (%)		87.4	89.7	91.0	91.7	90.8	90.5		
P.F. (%)	6.5	41.8	64.8	75.0	81.0	81.4	80.5	39.5	

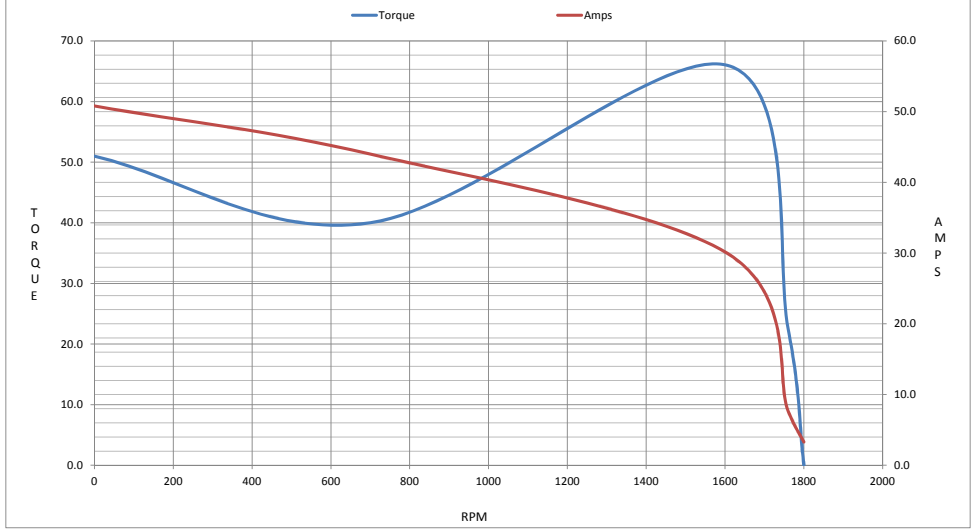
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	700	1605	1760	1800
Current (Amps)	50.8	44.0	30.0	7.7	3.3
Torque (ft-lb)	51.0	40.0	66.0	22.5	0.00



Information Block	
HP	7.5
Sync. RPM	1800
Frame	213
Enclosure	DP
Construction	TDW
Voltage	575 V
Frequency	60 Hz
Design	B
LR Code letter	H
Service Factor	1.15
Temp Rise @ FL	22 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	0.85 Lb-Ft²
Ref Wdg	K2134182 NONE
Sound Pressure @ 1M	66 dBA
VFD Rating	NONE
Outline Dwg	SS86500-1240
Conn. Diag	A-EE7300
Additional Specifications:	
0	
365THFS8036	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
1.1870	0.8740	4.0750	5.7760	89.7750

Speed -Torque Curve