PRODUCT INFORMATION PACKET

Model No: 213TTDWD16330
Catalog No: E720B
XRI® General Purpose General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 213T Frame, DP

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Nameplate Specifications

Phase	3	Output HP	7.50 & 5 Hp
Output KW	5.6 & 3.7 kW	Voltage	230/460 & 190/380 V
Speed	1765 & 1470 rpm	Service Factor	1.15 & 1.15
Frame	213T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	91 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	20/10 & 16.4/8.2 A	Power Factor	77.1
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	H
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	1.56 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	17.30 in
Frame Length	11.15 in	Shaft Diameter	1.375 in
Shaft Extension	3.47 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005010.01	Outline Drawing	SS86500-1115

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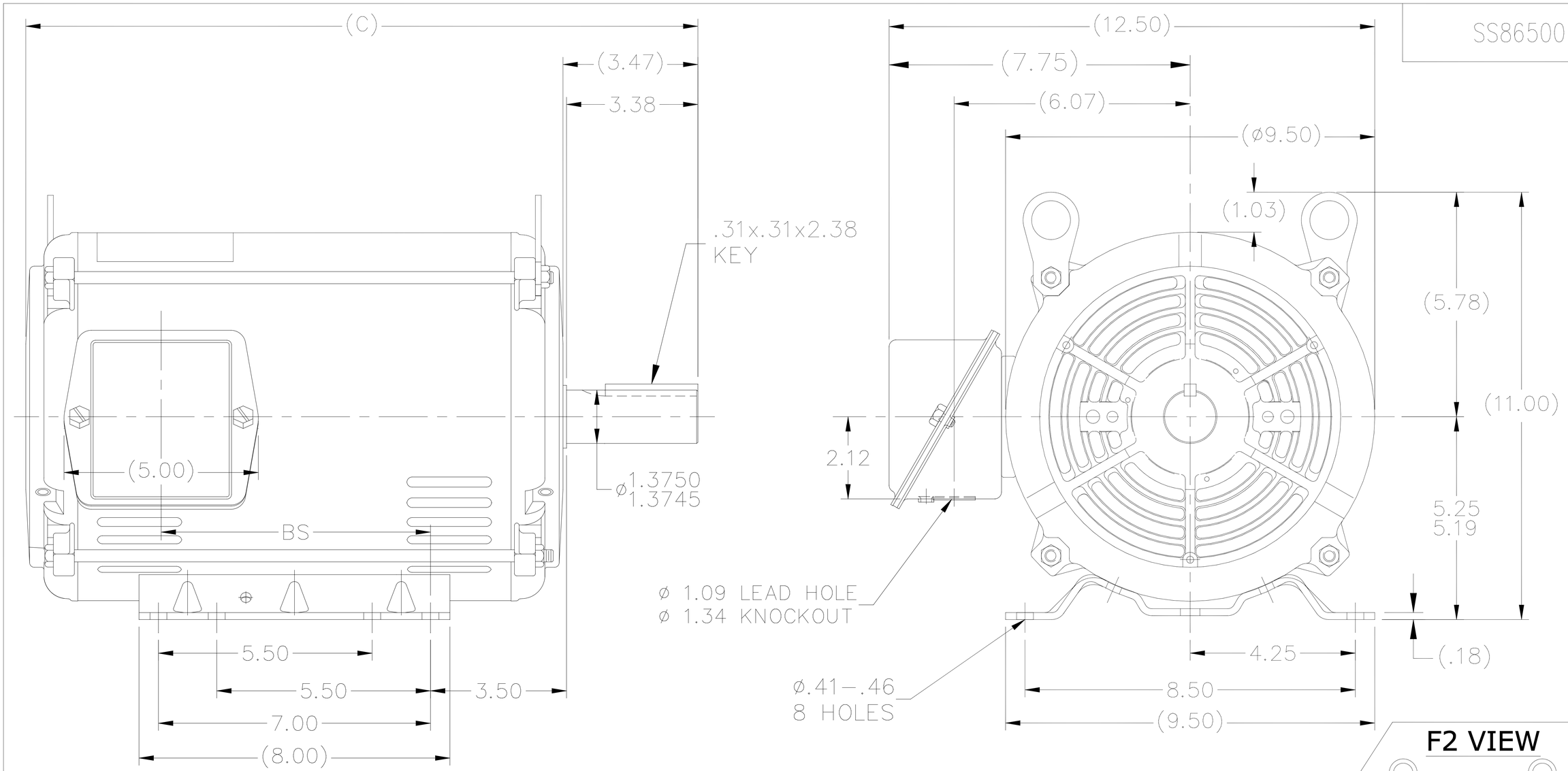
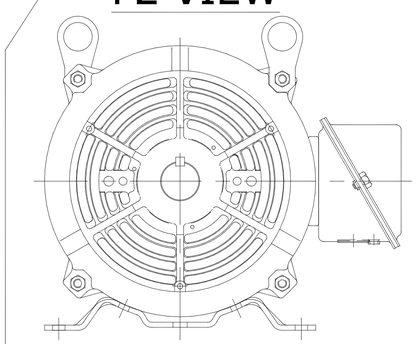
SS86500



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	
	DEC.	INCHES
SR		
SVL	.X	±.1
	.XX	±.03
ML	.XXX	±.005
ML	.XXXX	±.0005
CHK	ANG	±7'30"

REGAL™ Regal Beloit America, Inc.

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

MAT'L.

FINISH

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

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RFP

DIST LB

CAD FILE ss86500

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

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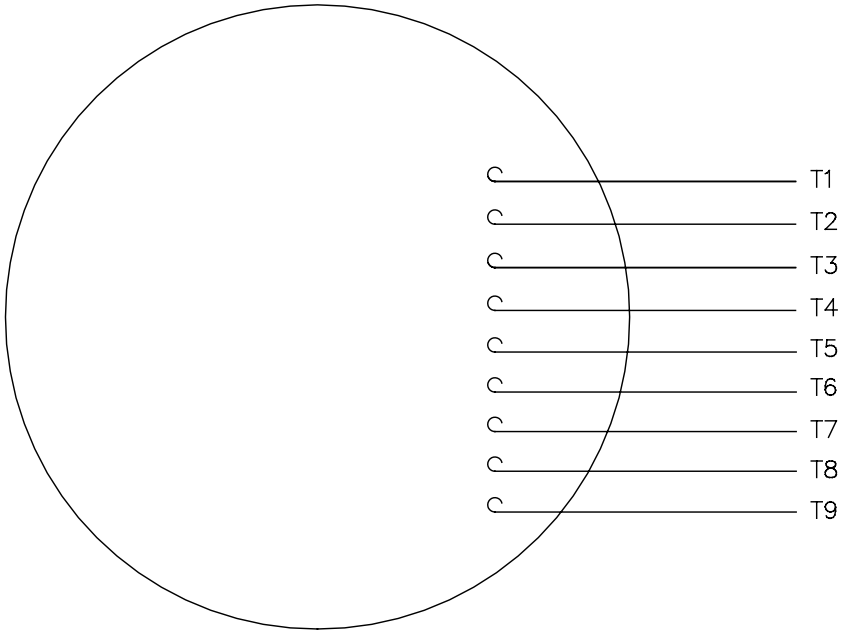
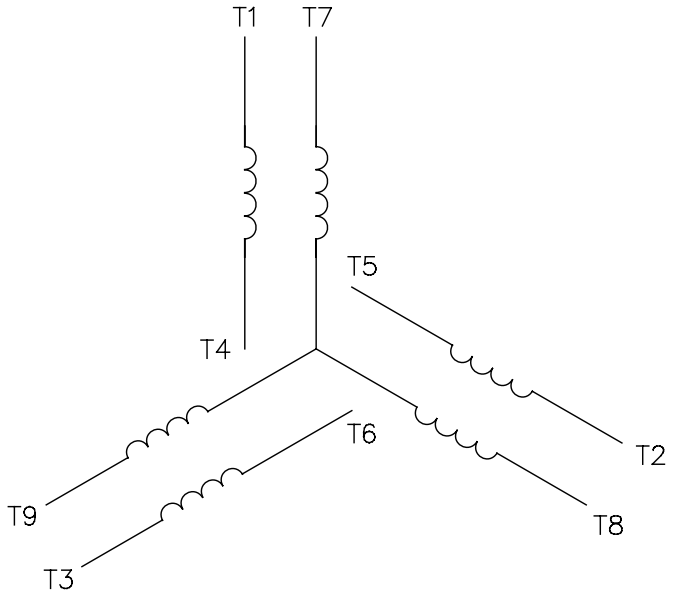
005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

NO.	REVISION	BY & DATE	CHK
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

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TITLE: EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR

MAT'L. DECAL – 004014

FINISH

CAD FILE 00501001

RFP 04/12/02

DIST BRF-NLV

DRAWN RDW 04/12/02 | CHK | APPD | SCALE 1=1 | REF FIG.2-51 | FMF | PREV

SIZE A | DRAWING NO. 005010-01 | REV. A

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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: 005010.01
OUTLINE: SS86500-1115
WINDING: K2134278 NONE 2
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 213TTDWD16330
CAT #: E720B
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
7.5	5.6	1800	1765	213T	DP	TDW	H	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	20/10&16.4/8.2	ACROSS THE LINE	CONT	B	1.15	40	3300

F.L. EFF	91.0	3/4 LD EFF	91.0	1/2 LD EFF	89.9	GTD EFF	ELECT. TYPE	
F.L. PF	77.1	3/4 LD PF	71.3	1/2 LD PF	58.1	89.5	SQ CAGE IND RUN	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)	
22.3 LB-FT	61.0	45.3 LB-FT	203%	66.1 LB-FT	296%	35	

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
66 dBA	75 dBA	0.85 LB-FT²	50 LB-FT²	20 SEC.	2	125 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	BLUE (ENAMEL)

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 6307	BALL 6206	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	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
0.76	0.559	2.608	3.697	57.456	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:

PREPARED BY: FAREEDA DUDEKULA
DATE: 9/10/2018

FORM: 3531 REV_4 2/27/06

UL: V-INS, CONST UL REC

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Data Sheet

Date: 11/29/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

213TTDWD16330

Submittal

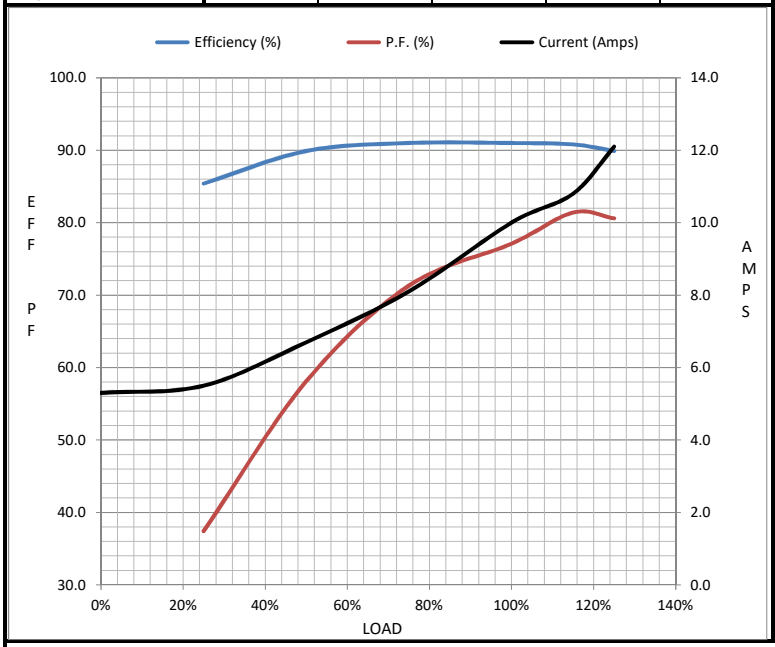
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.3	5.5	6.7	8.1	10.0	10.8	12.1	61.0	
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.3	25.5	28.0	45.3	
RPM	1800	1792	1784	1775	1765	1,755	1748	0	
Efficiency (%)		85.4	89.9	91.0	91.0	90.8	89.9		
P.F. (%)	5.2	37.4	58.1	71.3	77.1	81.4	80.6	44.8	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	700	1575	1765	1800
Current (Amps)	61.0	55.0	37.0	10.0	5.3
Torque (ft-lb)	45.3	40.0	66.1	22.3	0.00



Information Block

HP	7.5	
Sync. RPM	1800	
Frame	213	
Enclosure	DP	
Construction	TDR	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	H	
Service Factor	1.15	
Temp Rise @ FL	35	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.85	Lb-Ft²
Ref Wdg	K2134278 NONE	
Sound Pressure @ 1M	66	dBA
VFD Rating	NONE	
Outline Dwg	SS86500-1115	
Conn. Diag	005010.01	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.7600	0.5590	2.6080	3.6970	57.4560