

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 213TTDW16061

Catalog No: U926A

7.50 HP General Purpose Motor, 3 phase, 1800 RPM, 575 V, 213T Frame, ODP
General Purpose Motors



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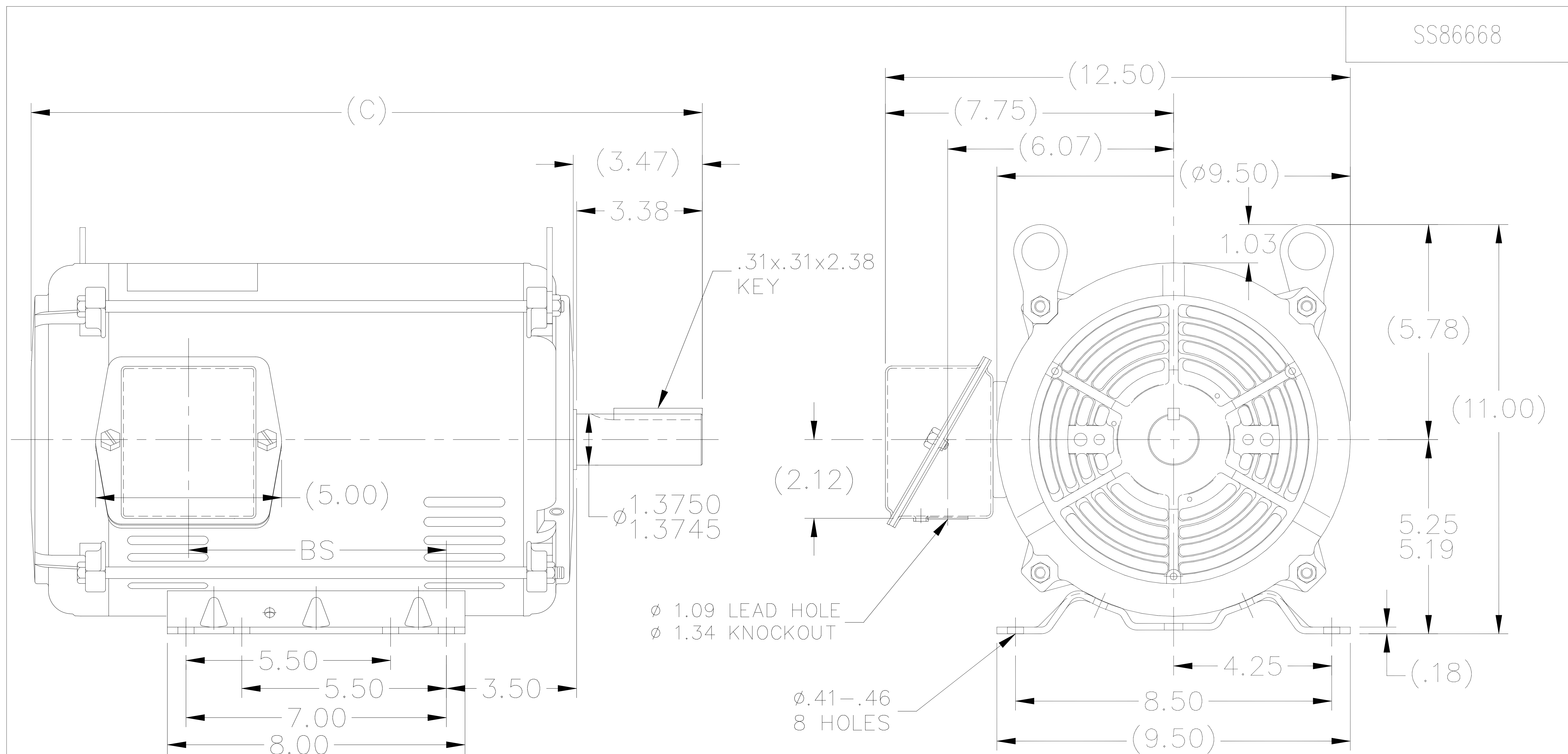
RegalRexnord

Nameplate Specifications

Output HP	7.50 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 %	Power Factor	80
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	H
Frame	213T	Enclosure	Drip Proof
Thermal Protection	Automatic	Ambient Temperature	40 °C
Drive End Bearing Size	6307	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	4	Rotation	Reversible
Resistance Main	1.18 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	19.29 in
Frame Length	12.40 in	Shaft Diameter	1.375 in
Shaft Extension	3.47 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7335B	Outline Drawing	A-SS86668-1240

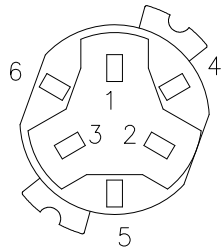


DASH	FR.	C	BS	MOUNTING
965	213T	16.54	5.43	
1115	213/15T	18.04	6.93	
1240	213/15T	19.29	8.18	F1 ONLY
1545	215T	22.34	11.23	F1 ONLY

- 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.)

				TOLERANCES UNLESS SPECIFIED		<div> Regal Beloit America, Inc.</div>				DRAWN MRB 04-03-1997				
				DEC.	INCHES					CHK ML 04-04-1997				
				.X	±.1					APPD GK 04-04-1997				
3	TITLE BLOCK CHANGE PER ECO-0078542		MDV 06/09/2015	.XX	±.03	TITLE OUTLINE 210T FR. — BB — TS — DR.PR.					SCALE 1=4			
2	UPDATED C'BOX GEOMETRY CN 28425		BJW 03-24-2000	.XXX	±.005						REF			
1	NEW DRAWING		MRB 04-04-1997	.XXXX	±.0005	MAT'L.					FMF			
NO.	REVISION		BY & DATE	CHK	ANG	±7'30"	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 SS86668				SIZE	DRAWING NO. PAGE OF		REV.	
				DIST LB						A	SS86668		3	

SINGLE VOLTAGE – THREE PHASE WITH OVERLOAD PROTECTOR

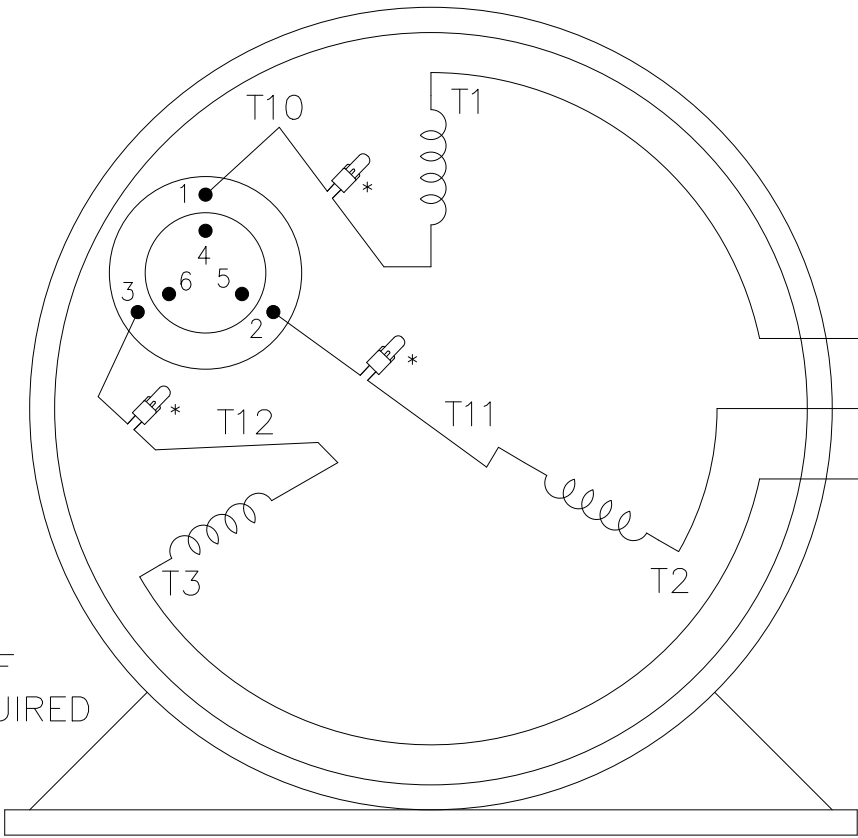


NOTE:
ACTUAL PROTECTORS
TERMINAL LOCATIONS
FOR LEAD CONNECTIONS

NOTE: TERMINAL BOARD
CONNECTIONS

LEADS WITH TERMINALS
SHOULD BE CONNECTED
TO INBOARD SIDE OF
TERMINAL BOARD.

T1 --- L1 — 4A }
T2 --- L2 — 5A }
T3 --- L3 — 6A }



T1 — 4A }
T2 — 5A } IF
T3 — 6A } REQUIRED

—TO REVERSE ROTATION—
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS

VIEW OF TERMINAL END

OPTIONAL CORD
CONNECTION

L1 — WHITE
L2 — RED
L3 — BLACK

		T6CK
T6CA		T6BM
T4CC		T4AY
T4C		T2DL
T6D		T2H

*USE PRESSURE CONNECTORS FOR MT2 PLANT ONLY

				TOLERANCES UNLESS SPECIFIED		REGAL TM Regal Beloit America, Inc.		DRAWN KL 08-25-1993			
				DEC.	INCHES			CHK	RD	11-12-2014	
12	UPDATED PER ECR-0211312	SG 07/27/2021	BD	.X	± -	TITLE CONNECTION DIAGRAM SINGLE VOLT – 3Ø WITH OVERLOAD PROT.		APPD	RD	11-12-2014	
11	ADDED THE OPTIONAL CORD CONNECTION	JAH 11-12-2014	RD	.XX	± -			SCALE		1=1	
10	PRESSURE CONNECTORS ADDED (QTY 3)	PVR 07-09-2014	GR	.XXX	± -			REF			
9	ADDED 4A, 5A, & 6A "IF REQUIRED" MU44987	MSG 01-07-2002	SAS	.XXXX	± -			FMF			
NO.	REVISION	BY & DATE	CHK	ANG	± -	FINISH		PREV			
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				DIST LB-WP				EE7335B			12

CERTIFICATION DATA SHEET

Model#: 213TTDW16061 AA
 CONN. DIAGRAM: A-EE7335B
 OUTLINE: A-SS86668-1240

WINDING#: K2134182 NONE 6
 ASSEMBLY: F1/F2 CAPABLE

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	B3	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	BALL						
6307	6206	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

*
N
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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

DATE: 06/22/2017 04:59:05 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



213TTDW16061

Submittal

Data @ 575 V

Motor Load Data

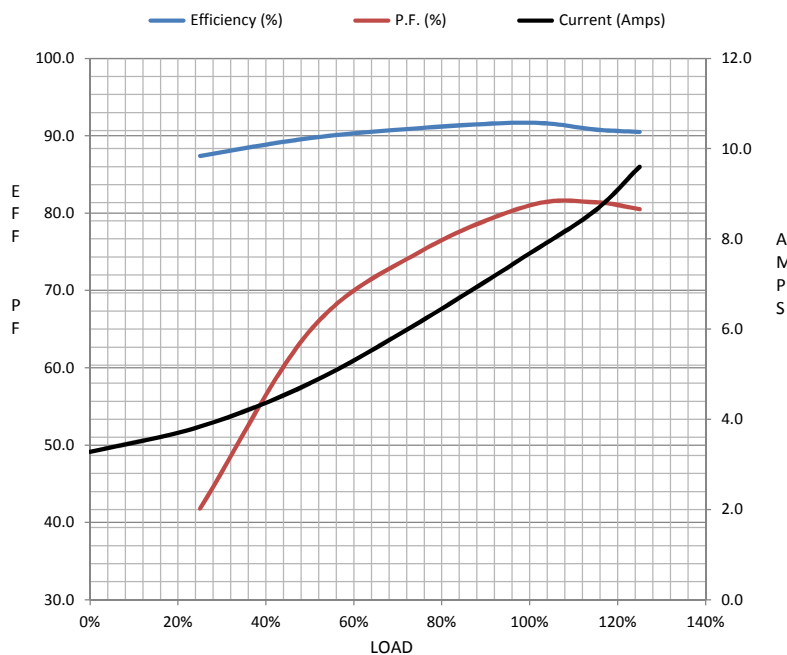
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.3	3.8	4.8	6.2	7.7	8.6	9.6	50.8	
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.5	25.5	28.0	51.0	
RPM	1800	1790	1780	1775	1760	1,755	1752	0	
Efficiency (%)		87.4	89.7	91.0	91.7	90.8	90.5		
P.F. (%)	6.5	41.8	64.8	75.0	81.0	81.4	80.5	39.5	

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	A-SS86668-1240			
Conn. Diag	A-EE7335B			
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

