

PRODUCT INFORMATION PACKET



Model No: 140680.00

Catalog No: 140680.00

Air Compressor Motor, 7.50 HP, 1 Ph, 60 Hz, 208-230 V, 3600 RPM, 213T Frame, DP



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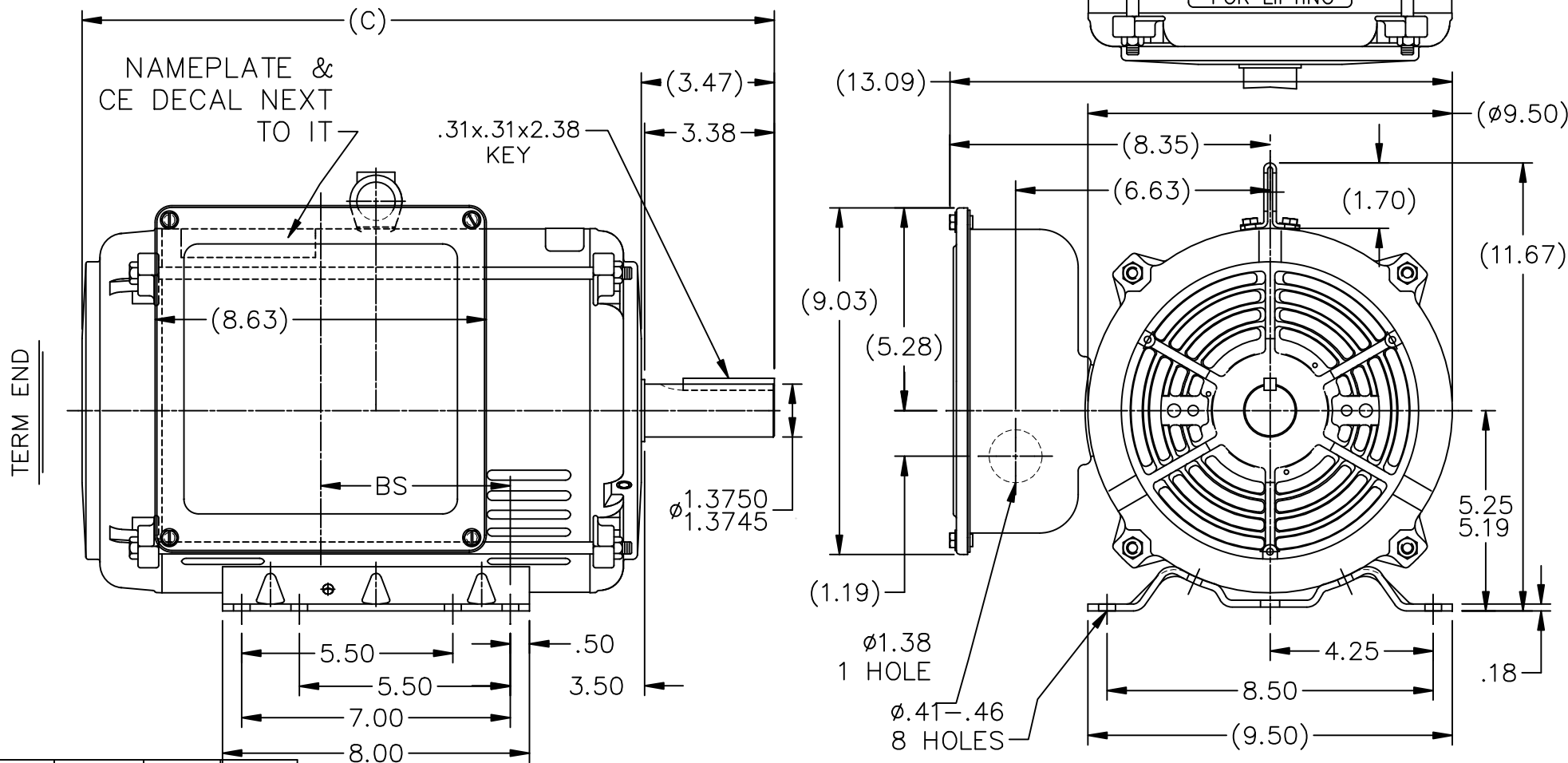
Nameplate Specifications

Phase	1	Output HP	7.50 Hp
Output KW	5.6 kW	Voltage	208-230 V
Speed	3520 rpm	Service Factor	1.15
Frame	213T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	88.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	32.5-29.5 A	Power Factor	93.5
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	H
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	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	.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	18.04 in
Frame Length	11.15 in	Shaft Diameter	1.375 in
Shaft Extension	3.38 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	SS88686LE-1115	Connection Drawing	EE9048MF-LE

SS88686LE

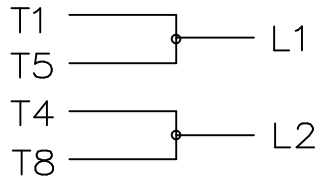


DASH	FR.	C	BS
965	213T	16.54	3.44
1115	213/15T	18.04	4.94
1240	215T	19.29	6.19

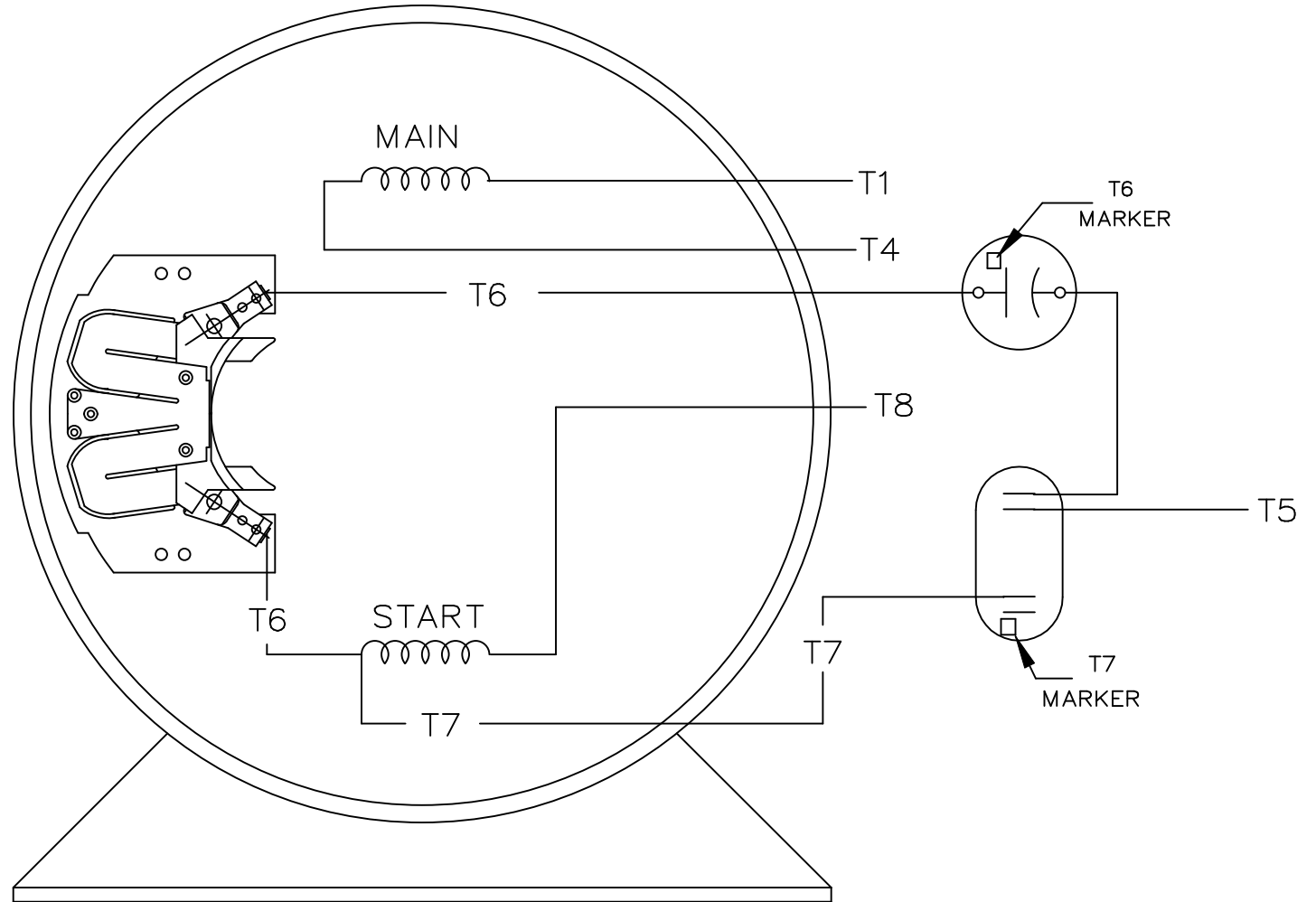
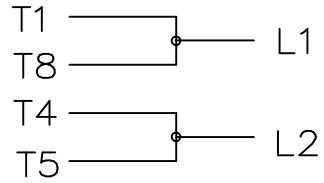
- NOTES:
 1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
 2. DASH 965 TO BE READ FROM OPPOSITE SHAFT END

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RJM 07-26-2002				
				DEC.	INCHES			CHK	ML	08-05-2002		
				.X	±.1			APPD	JPL	08-02-2002		
				.XX	±.03	TITLE OUTLINE		SCALE	1=4			
2	ADDED NOTE 2	CN 31881	DRS 10-21-2002	ML	.XXX ±.005	210 FR. - DR. PR. - 1 PHASE		REF				
1	NEW DRAWING - DES/DEV		RJM 08-02-2002		.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 ss88686le			SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	LB			A	SS88686LE			2

C.W. ROTATION




C.C.W. ROTATION



SINGLE VOLTAGE
CAPACITOR START
CAPACITOR RUN
REVERSIBLE

VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RJM 07-25-2002				
				DEC.	INCHES		CHK				
				.X	±.1		APPD				
				.XX	±.02		SCALE 1=1				
				.XXX	±.005		REF				
1	NEW DRAWING - DES/DEV	RJM		.XXXX	±.0005	MAT'L.	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV				
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				DIST	LB	A	EE9048MF-LE				1



CERTIFICATION DATA SHEET

1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810

CONN. DIAGRAM: A-EE9048MF-LE

CATALOG #: 140680.00

OUTLINE: A-SS88686LE-1115

MOUNTING: F1 ONLY

WINDING #: BK10272 1

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2	5.60	3600	3520	213T	DP	H	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	208-230	32.5-29.5	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	87.5	3/4 LOAD EFF:	89.1	1/2 LOAD EFF:	85.8	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	93.5	3/4 LOAD PF:	92.6	1/2 LOAD PF:	89.3	85.5	CAP START CAP RUN		

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
11.2 LB-FT	223	362 LB-FT 3232 %	32 LB-FT 286 %	27

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	0 SEC.	0	115 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 - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
307	206						

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

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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
FT-LB V NONE Hz



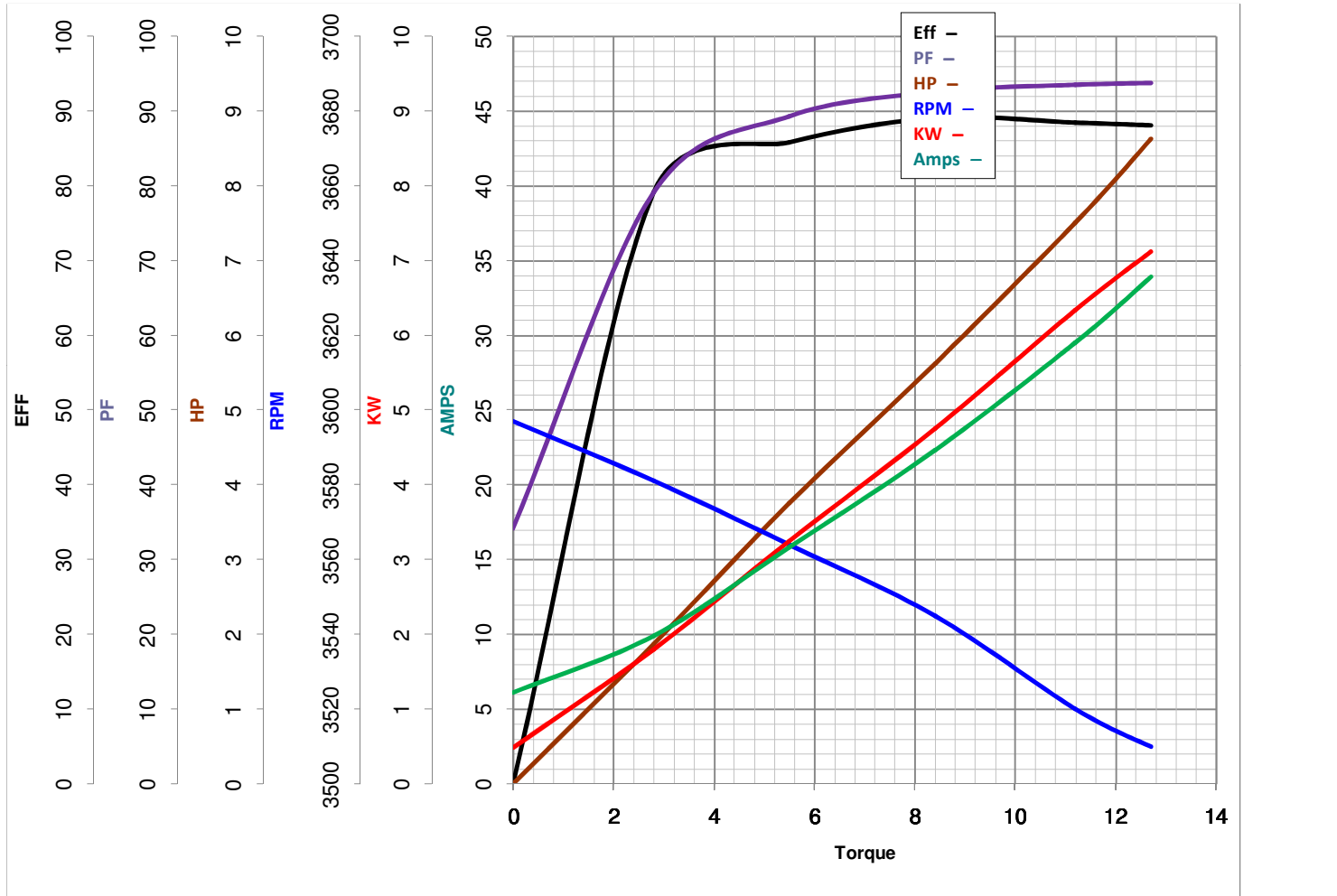
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 140680.00

Catalog No 140680.00

Curve at 230 Volts HP 7.50 PHASE 1
60 HZ
7.5 HP VOLTS 208-230

HZ 60 RPM 3520



Torque in Lb.Ft

FL TORQUE 11.2 Lb.Ft
 BD TORQUE 32.0 Lb.Ft
 LR TORQUE 362 Lb.Ft

FL AMPS 32.5-29.5
 PU TORQUE 25.3 Lb.Ft
 LR AMPS 223

WINDING BK10272-1

Date 3/21/2018

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 140680.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 140680.00

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22