

PRODUCT INFORMATION PACKET

Model No: 140475.00

Catalog No: 140475.00

Special Voltage Motor, 5 HP, 1 Ph, 50 Hz, 220 V, 1500 RPM, 213T Frame, TEFC



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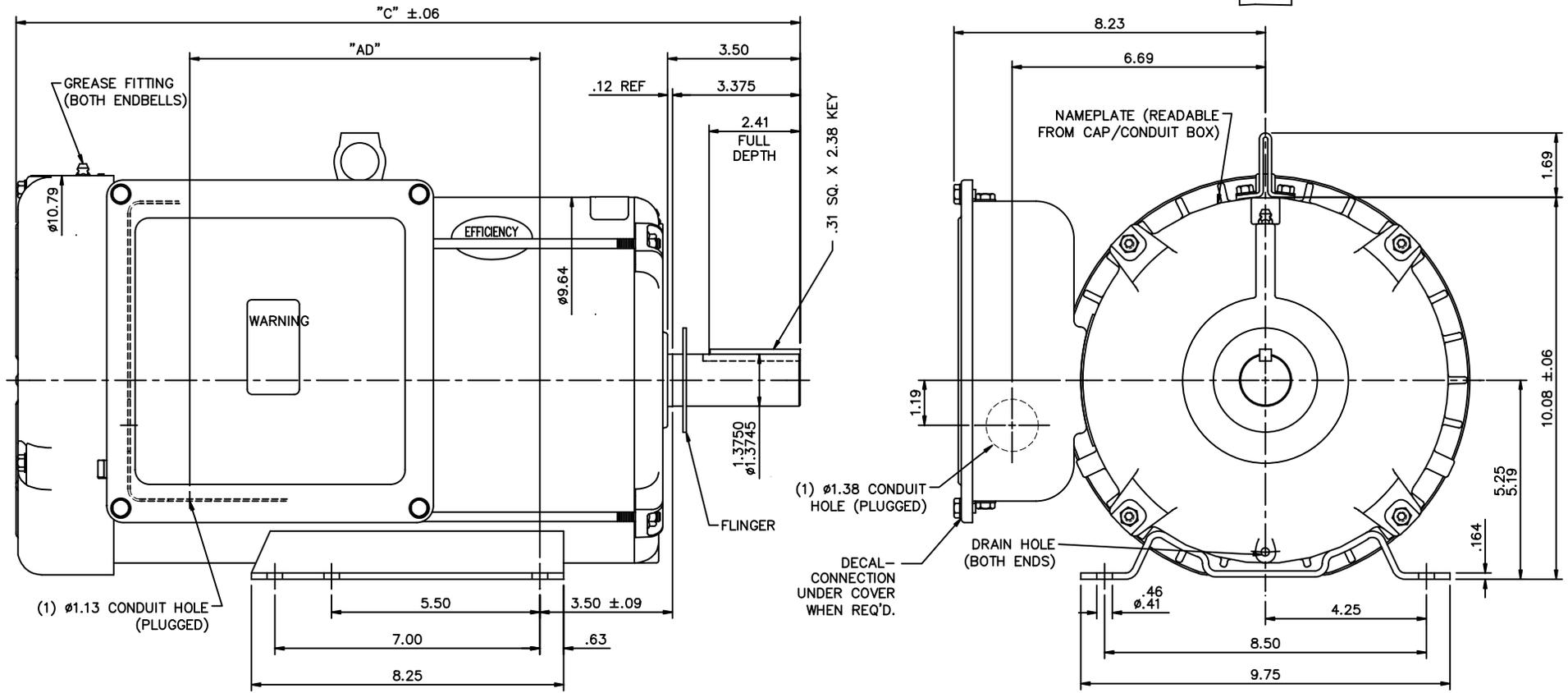
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	50 Hz	Voltage	220 V
Current	24.5 A	Speed	1440 rpm
Service Factor	1	Phase	1
Efficiency	82.5 %	Power Factor	83.5
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
Frame	213T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 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	18.71 in
Frame Length	12.00 in	Shaft Diameter	1.375 in
Shaft Extension	3.37 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005423.03	Outline Drawing	037601-1200

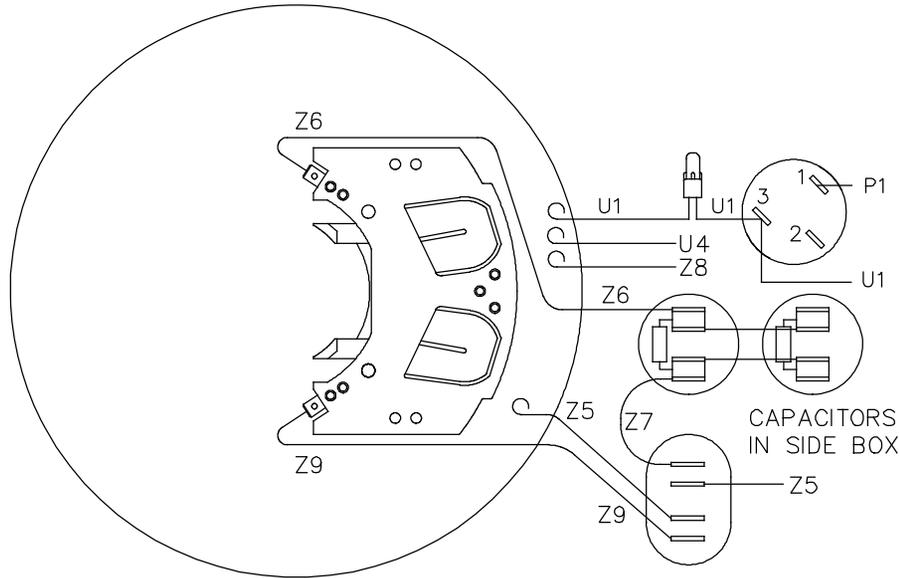
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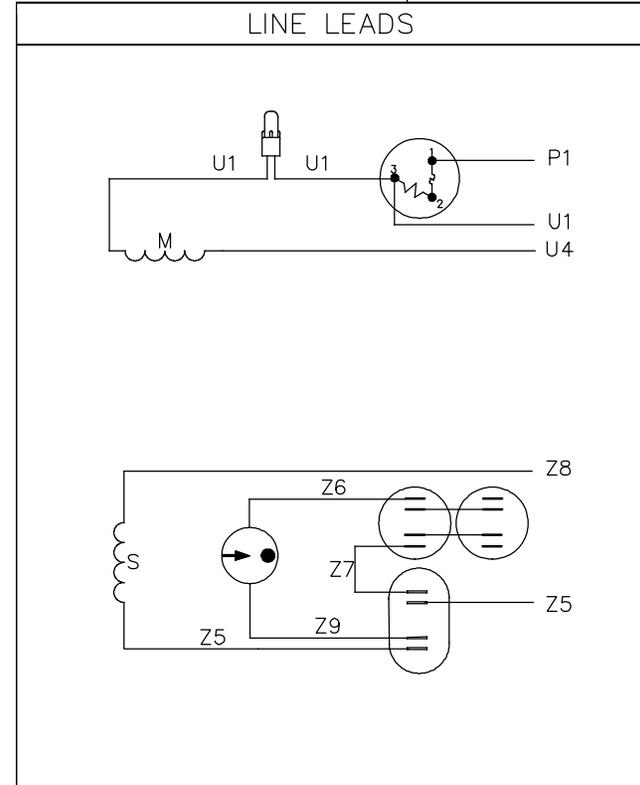
DASH NO.	"C"	"AD"
1200	18.71	7.25
1250	19.21	7.75
1300	19.71	8.25
1350	20.21	8.75
1400	20.71	9.25
1450	21.21	9.75
1500	21.71	10.25

NO.		REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	TITLE		SCALE	REV.
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	10/21/02		CAD FILE	037601	ELECTRIC MOTORS GEARMOTORS AND DRIVES		3=8
				DIST	NLV			LEESON			037601
								ELECTRIC MOTORS GEARMOTORS AND DRIVES			
								OUTLINE - 210T FRAME TEFC - RIGID			
								GENERAL PURPOSE			
								GASKETS THROUGHOUT			
								DRAWN RDW 10/21/02			
								CHK			
								APPD SW 10/21/02			
								REF			
								FMF			
								PREV			
								DRAWING NO.			
								B			
								037601			

005423-03



CAUTION:
LEAD WIRE INSULATION TO
EXTEND MIN. OF 1/4" INTO
CONNECTOR INSULATION



ROTATION FACING LEAD END	L1	L2	JOIN & INSULATE
C.C.W.	P1	U4,Z5	U1,Z8
C.W.	P1	U4,U8	U1,Z5

				TOLERANCES UNLESS SPECIFIED		Regal Beloit America, Inc.		DRAWN RDW 10/18/02		
				DEC.	INCHES			CHK		
				.X	±.1			APPD		
				.XX	±.01			SCALE 1=2		
				.XXX	±.005	TITLE		REF 005423-01		
01	UPDATED PER ECR-0147400	MVG 01/12/18	MSD	.XXXX	±.0005	MAT'L.		FMF 140475		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH		PREV		
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				DIST		00542303		A	005423-03	A



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

CERTIFICATION DATA SHEET

CATALOG #: 140475.00

CONN. DIAGRAM: 005423.03

OUTLINE: 037601-1200

MOUNTING: F1 ONLY

WINDING #: K9420 FR 4 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	1500	1440	213T	TEFC	H	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	50	220	24.5	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	82.5	3/4 LOAD EFF:	84	1/2 LOAD EFF:	80	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	83.5	3/4 LOAD PF:	74.5	1/2 LOAD PF:	63.5	82.5		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
17.84 LB-FT	145	43.09 LB-FT 241 %	39.49 LB-FT 221 %	110

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	10 SEC.	0	166 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
6207	6206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

*
N
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E
S

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



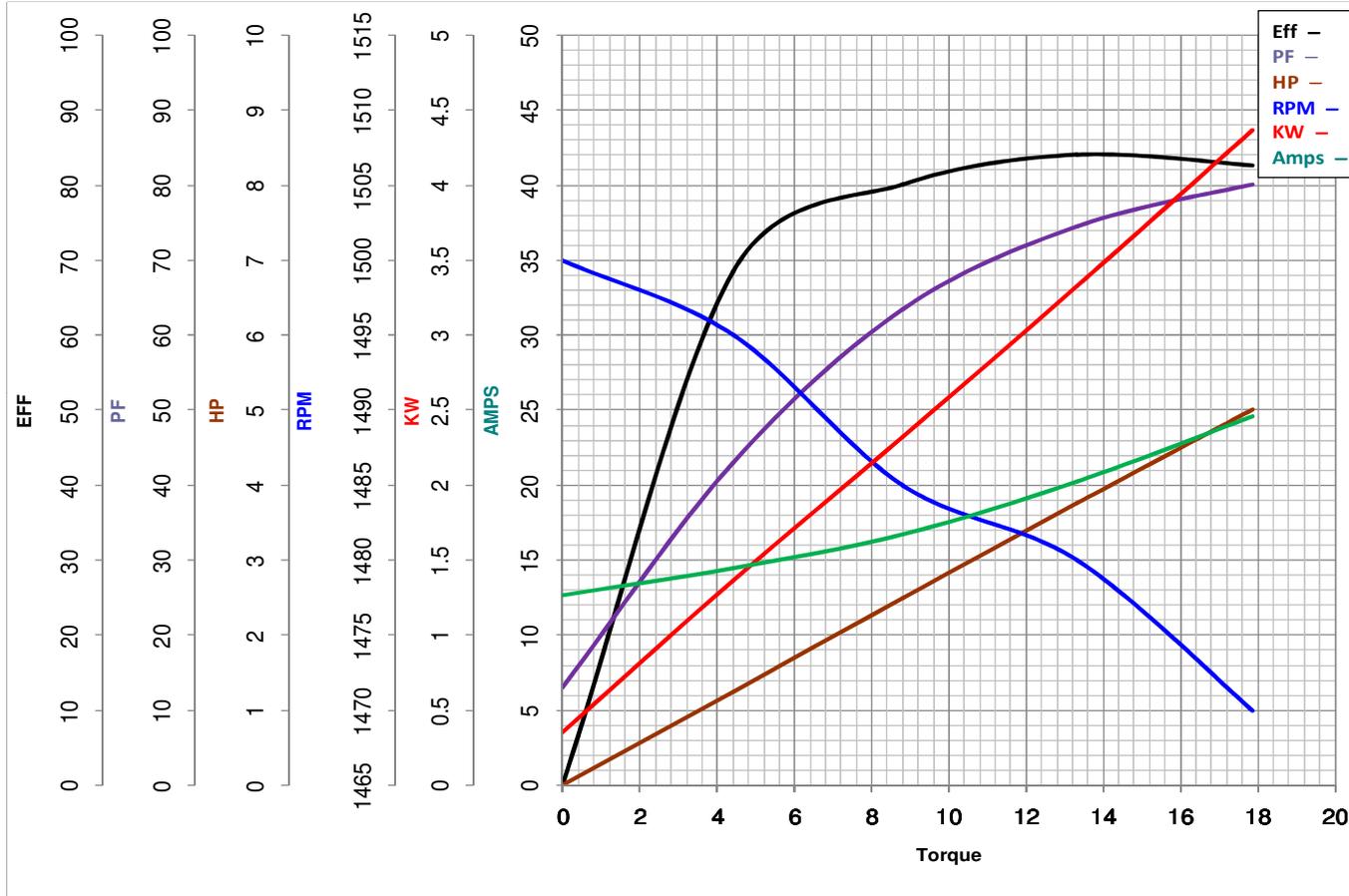
LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 140475.00

Curve at 220 Volts HP 5.00 PHASE 1
50 HZ
5 HP VOLTS 220

Catalog No 140475.00

HZ 50 RPM 1440



Torque in Lb.Ft

FL TORQUE 17.84 Lb.Ft
BD TORQUE 39.5 Lb.Ft
LR TORQUE 43.09 Lb.Ft

FL AMPS 24.5
PU TORQUE 0.0 Lb.Ft
LR AMPS 145

WINDING K9420-4

Date 3/12/2019

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 : 140475.00

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

Catalog No : 140475.00

Rework No : N/A

Directives :

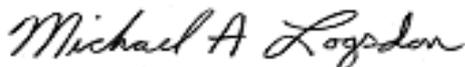
Low Voltage Directive 2014/35/EU

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