

PRODUCT INFORMATION PACKET



Model No: 141311.00
Catalog No: 141311.00
Crop Dryer Motor, 10 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215TZ Frame, TEFC



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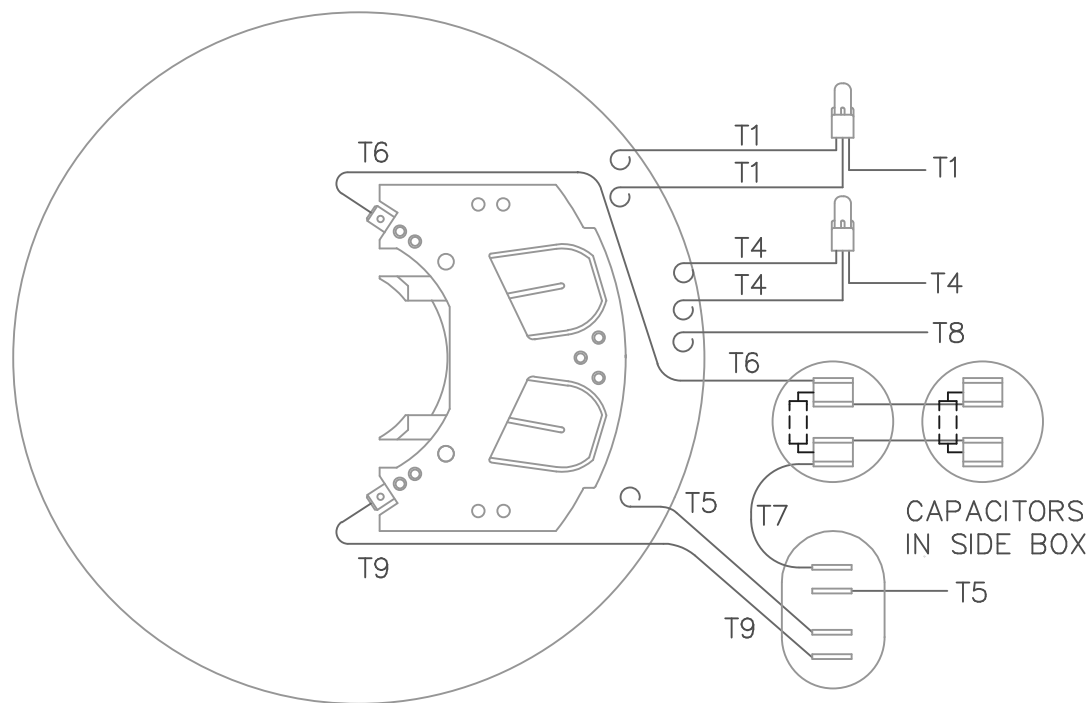
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230 V
Current	40.0 A	Speed	1740 rpm
Service Factor	1.15	Phase	1
Efficiency	86.5 %	Power Factor	95
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	G
Frame	215TZ	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6209	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

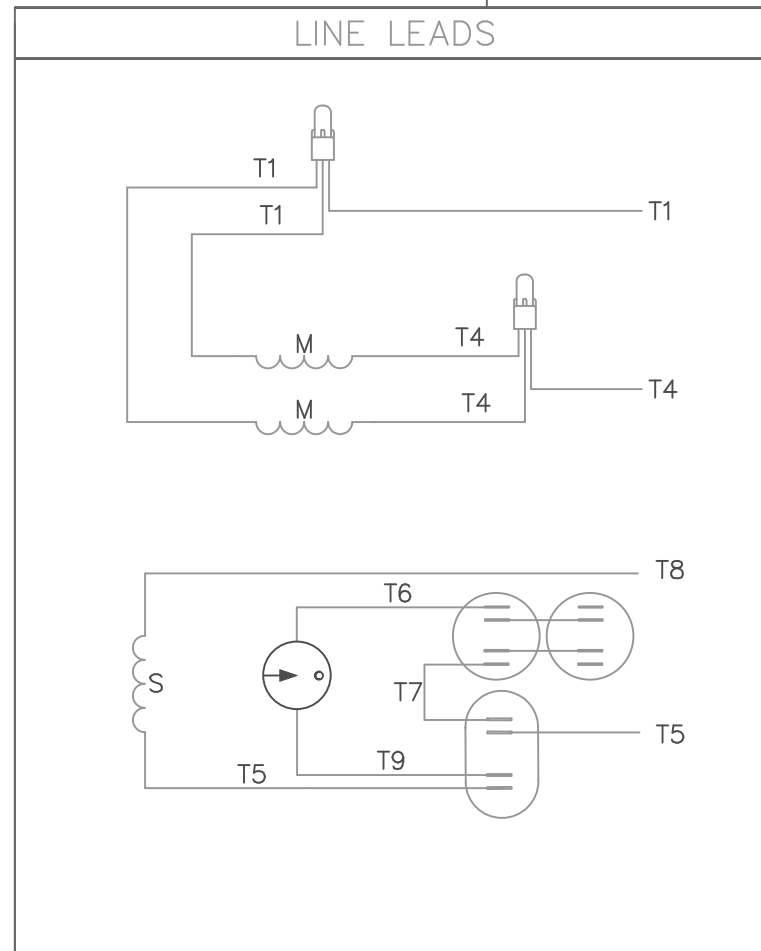
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.118 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	21.72 in
Frame Length	14.00 in	Shaft Diameter	1.375 in
Shaft Extension	4.5 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	OL141311	Connection Drawing	005462.02

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END

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



ROTATION FACING LEAD END	L1	L2	JOIN & INSULATE
C.C.W.	T1,T8	T4,T5	---
C.W.	T1,T5	T4,T8	---

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RDW 10/21/02		
				DEC.	INCHES		CHK		
				.X	±.1		APPD		
				.XX	±.01		SCALE 1=2		
				.XXX	±.005		REF 005462-01		
				.XXXX	±.0005	MAT'L. DECAL 004018	FMF 140581		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	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	10/21/02	CAD FILE 00546202	SIZE A	DRAWING NO. 005462-02	REV.
				DIST					



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005462.02

CATALOG #: 141311.00

OUTLINE: OL141311

MOUNTING: F1 ONLY

WINDING #: K9425 FR 2 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10	7.50	1800	1740	215TZ	TEFC	G	NO DESIGN CODE

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

FULL LOAD EFF:	86.5	3/4 LOAD EFF:	86.4	1/2 LOAD EFF:	83.7	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	95	3/4 LOAD PF:	94.9	1/2 LOAD PF:	92.8	84	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
30 LB-FT	264	90.2 LB-FT 301 %	69.5 LB-FT 232 %	95

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	1.157 LB-FT^2	1.2 LB-FT^2	0 SEC.	0	192 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	GREEN (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
6209	6206						

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
NONE FT-LB NONE V NONE Hz

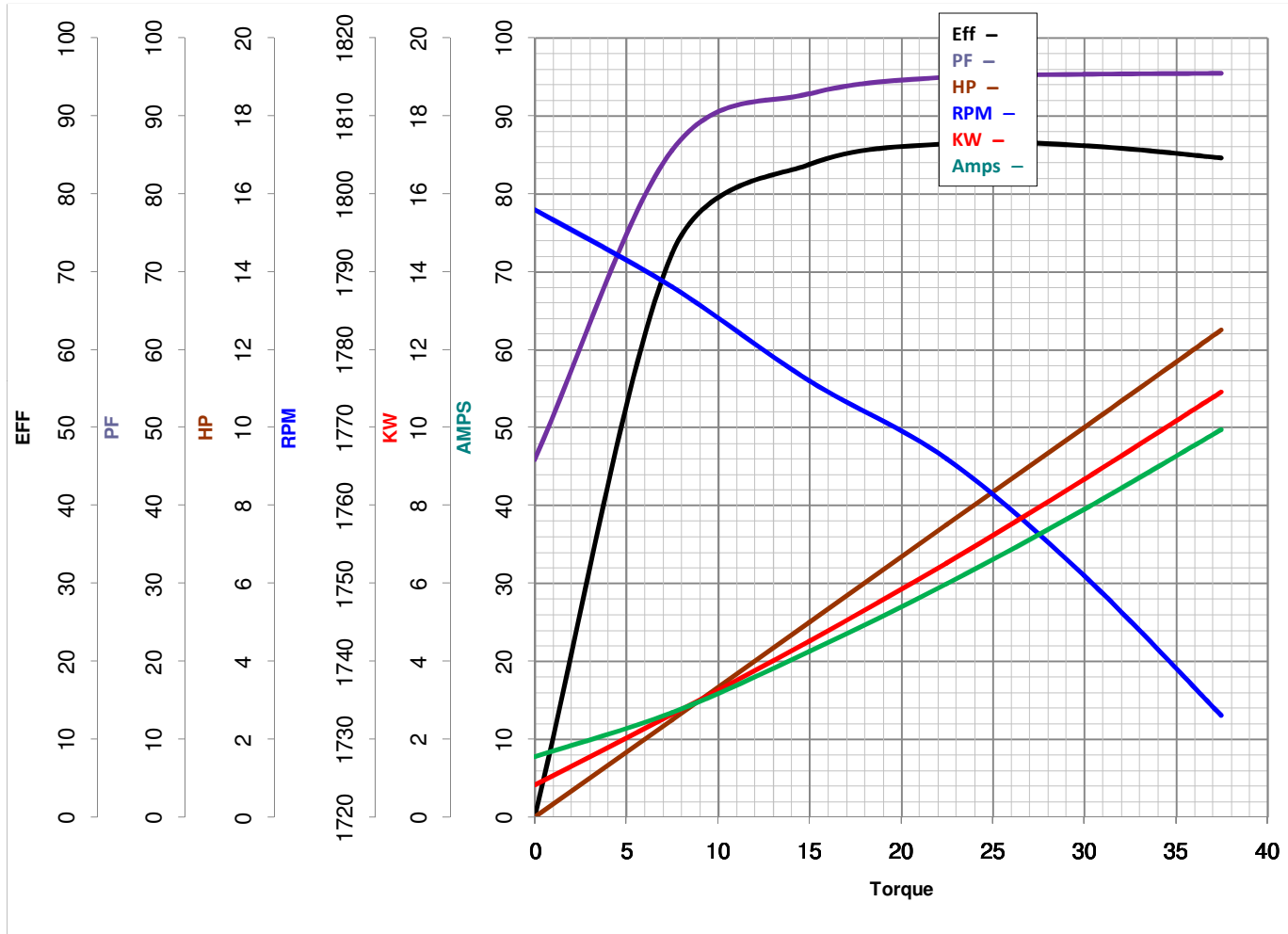


LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 141311.00

Catalog No 141311.00

Curve at 230 Volts HP 10.00 PHASE 1
60 HZ
10 HP VOLTS 230
 HZ 60 RPM 1740



Torque in Lb.Ft

FL TORQUE 30 Lb.Ft
 BD TORQUE 69.5 Lb.Ft
 LR TORQUE 90.2 Lb.Ft

FL AMPS 40
 PU TORQUE 61.5 Lb.Ft
 LR AMPS 264

WINDING K9425-2

Date 4/23/2018

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 : 141311.00

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

Catalog No : 141311.00

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