

PRODUCT INFORMATION PACKET



Model No: 145TBFR5334

Catalog No: I700

General Purpose Motor, 2 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 145T Frame, TEFC



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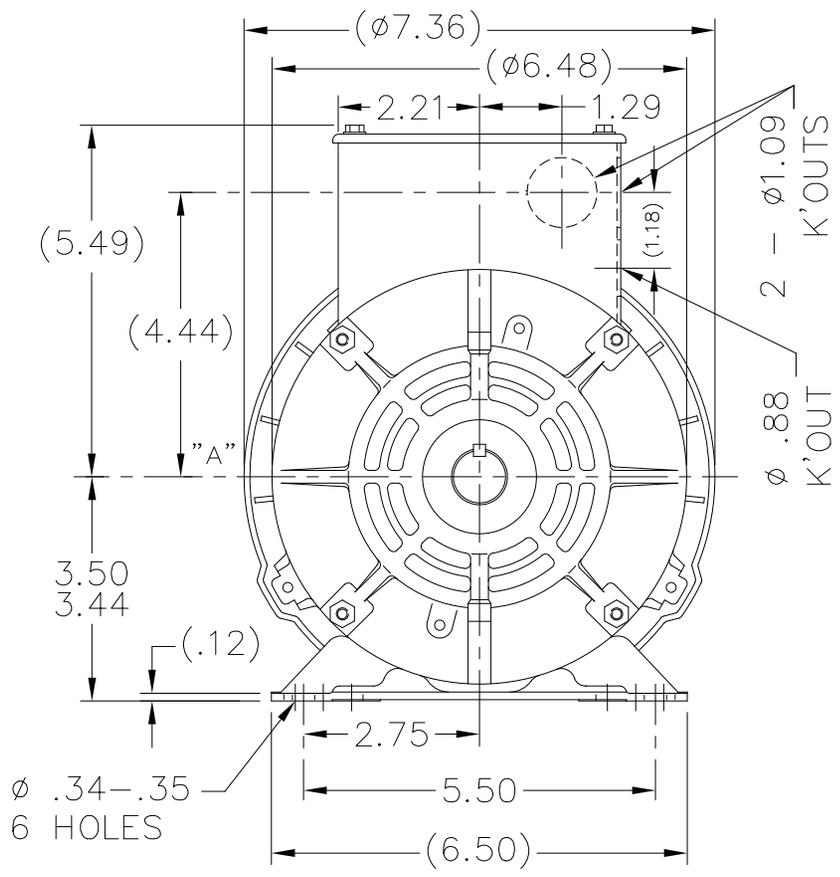
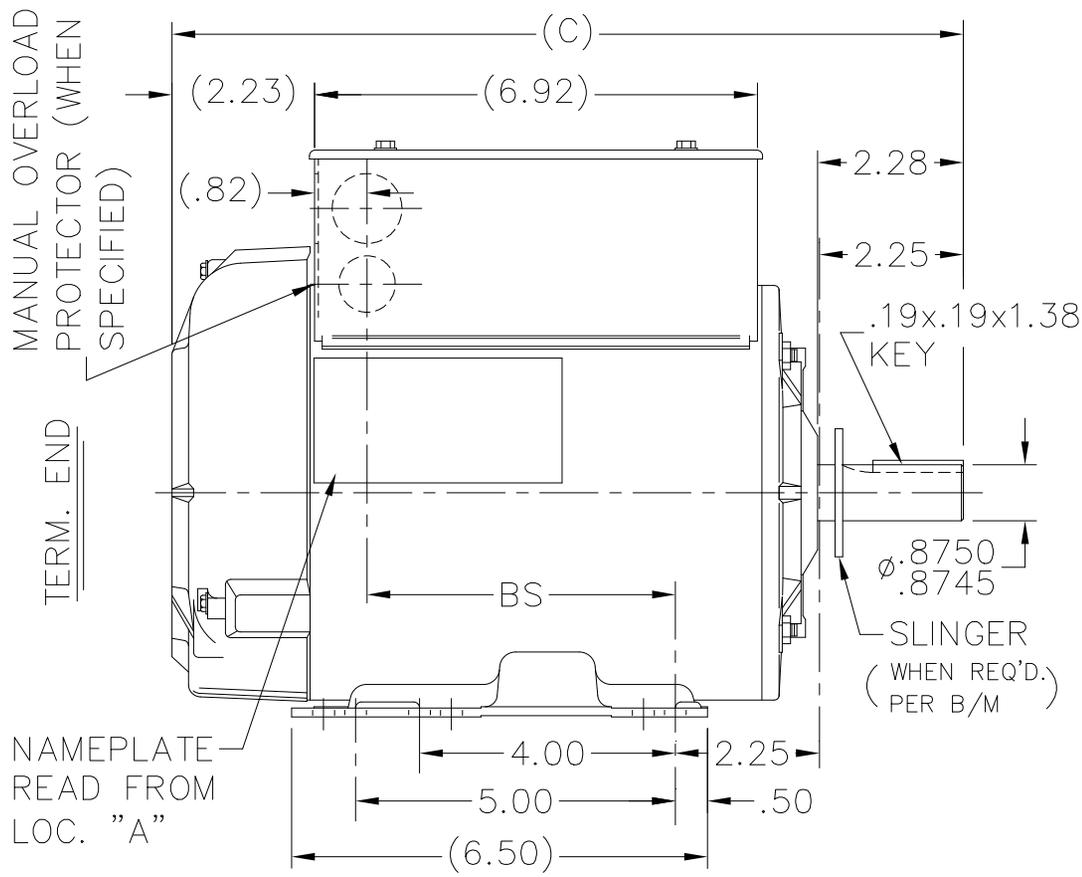


Nameplate Specifications

Phase	1	Output HP	2 Hp
Output KW	1.5 kW	Voltage	115/230 V
Speed	1740 rpm	Service Factor	1.15
Frame	145T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	81.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	18.8/9.4 A	Power Factor	86.1
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	J
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

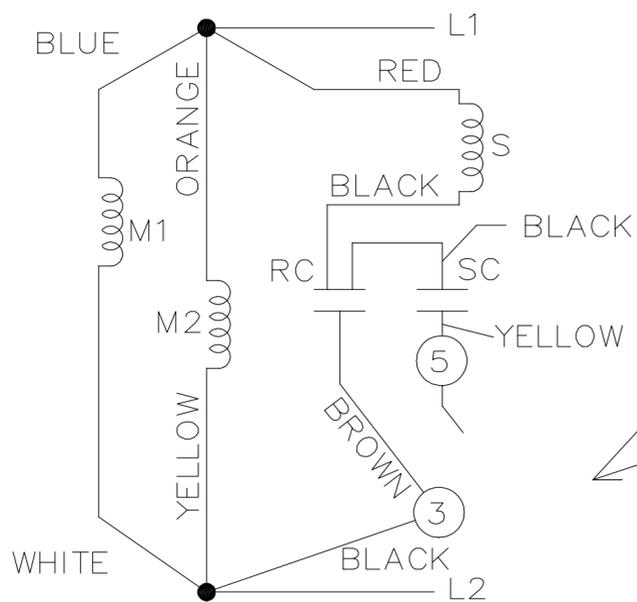
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Clockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	14.87 in
Frame Length	9.56 in	Shaft Diameter	0.875 in
Shaft Extension	2.28 in	Assembly/Box Mounting	F3
Connection Drawing	102006-51	Outline Drawing	100294-956



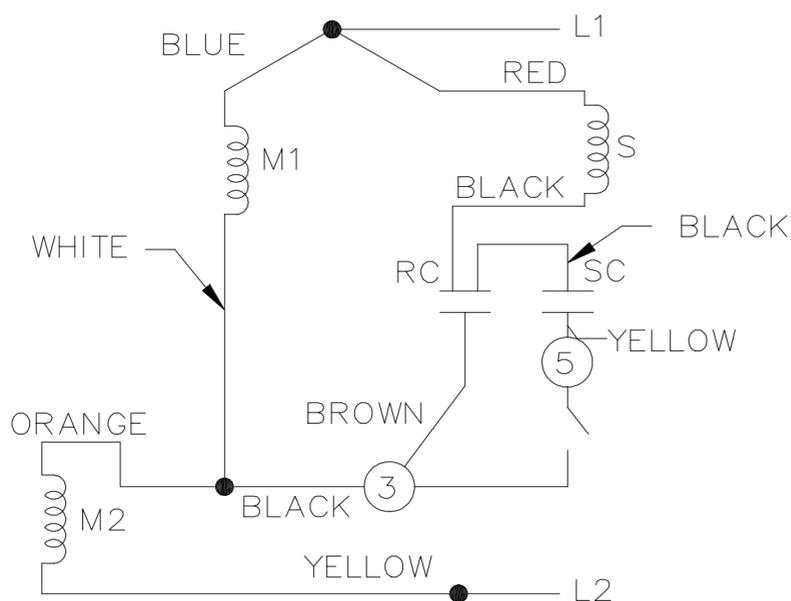
DASH	FRAME	C	BS
806	145T	13.37	5.82
856	145T	13.87	6.32
906	145T	14.37	6.82
956	145T	14.87	7.32

DRAWING REVISION 5	REVISION BY KVDG	REV DATE/ ° DATE 05/07/2025	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±0.5° .XX ±0.01 [±0.3] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125/ 3.2/ INCH mm	DRAWN BY GK	Regal Beloit America, Inc.
REQUEST NUMBER ECR-0242555	APPROVED BY DS	DATE 05/07/2025	DATE 06-09-1988	DATE 06-09-1988	
REQUEST NUMBER DESCRIPTION UPDATED THE DRAWING TO RRX TEMPLATE.			REFERENCE	APPROVED BY FG	DESCRIPTION OUTLINE 140T - TEFC - 1Ø - BB.
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			SIZE B	DRAWING NUMBER 100294	SHEET 1 OF 1

LOW VOLTAGE C.C.W.

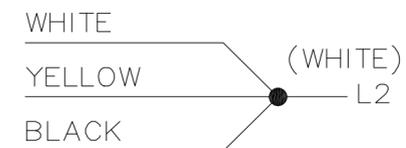
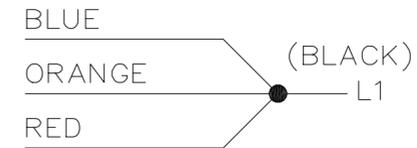


HIGH VOLTAGE C.C.W.

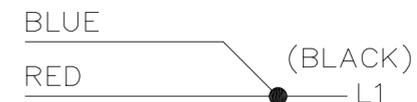


DUAL VOLTAGE CAPACITOR
START-CAP RUN NO OVERLOAD
SELECT ROTATION

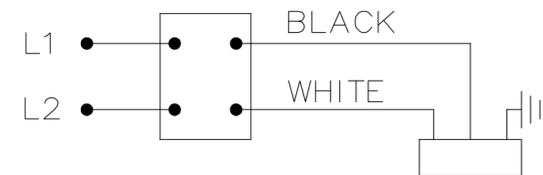
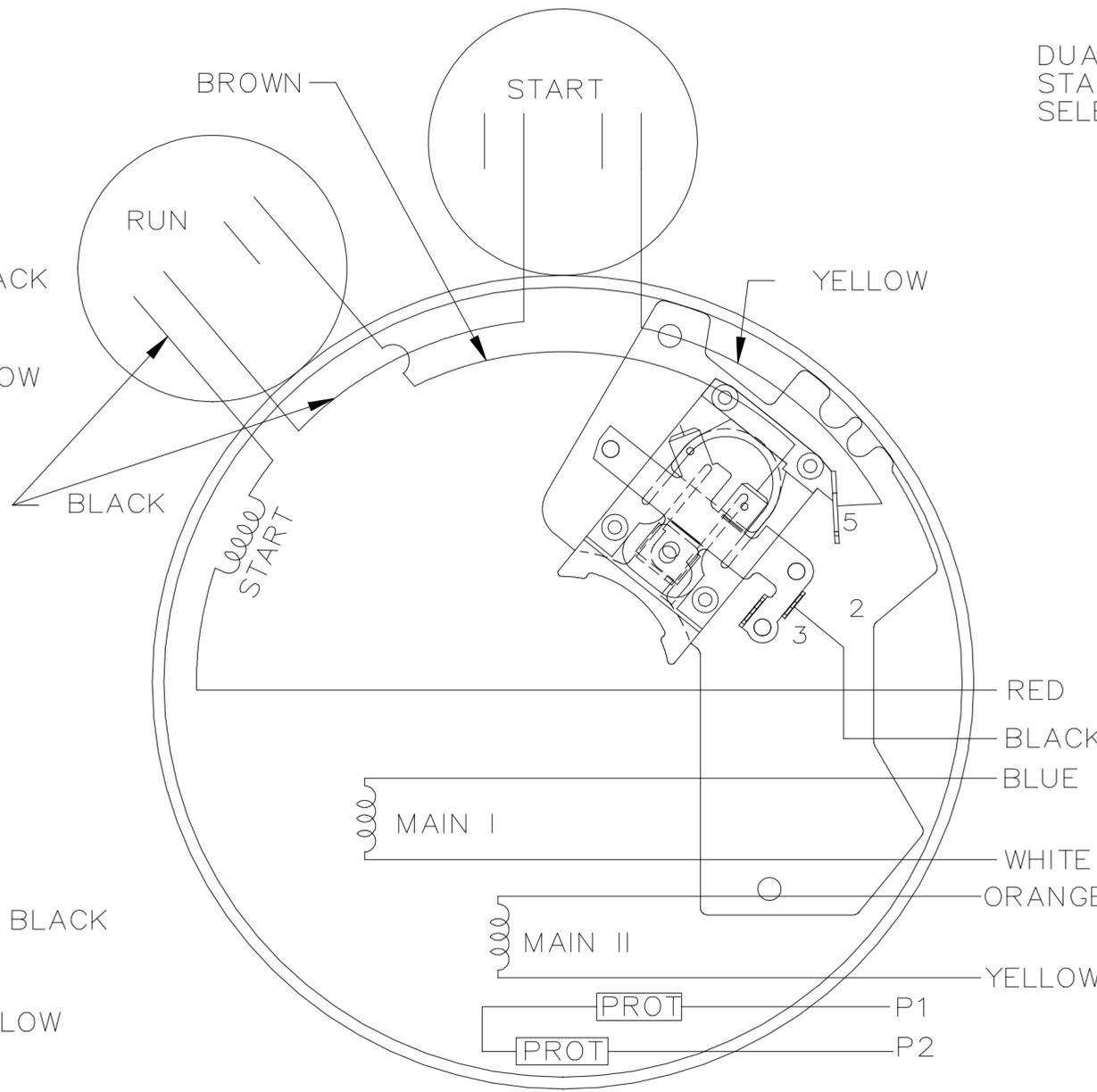
LOW VOLTAGE C.C.W. ROTATION



HIGH VOLTAGE C.C.W. ROTATION



FOR C.W. ROTATION,
EITHER VOLTAGE,
INTERCHANGE RED
WITH BLACK LEAD



CORD CONN. WHEN SPECIFIED

		TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN SG 05/14/19	
		DEC.	INCHES		CHK	CD 05/14/19
		.X	±.1		APPD	CD 05/14/19
		.XX	±.02	TITLE	CONNECTION DIAGRAM	
		.XXX	±.005	SCALE	1:1	
01	CONVERTED TO DWG FILE	SG	05/14/19	MAT'L.	REF	102006-51
NO.	REVISION	BY & DATE	CHK	FINISH	FMF	PR141156
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REGAL REXNORD CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

230
60
2

Volts
HZ
HP

HP 2.00

PHASE 1

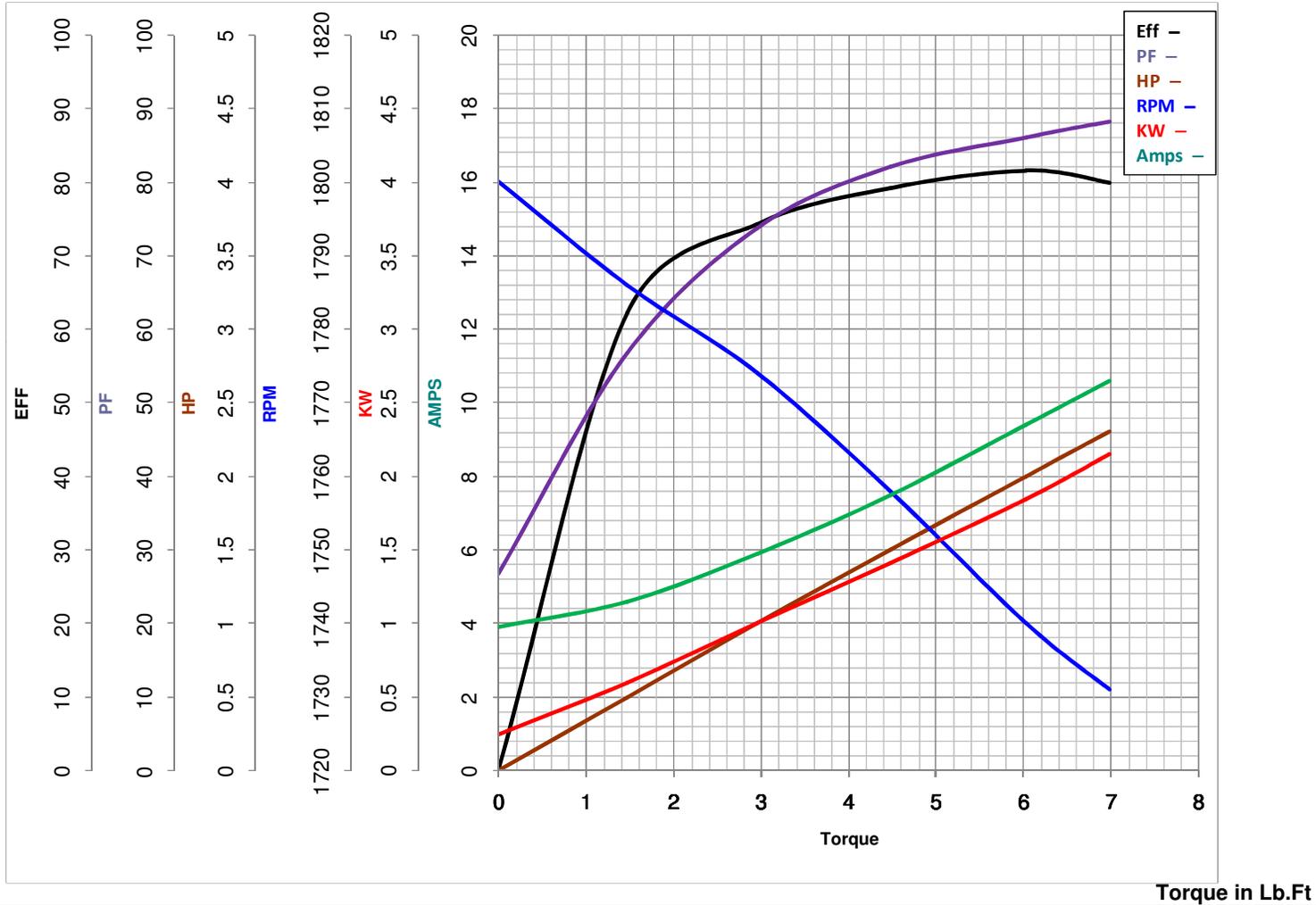
Model No 145TBFR5334

VOLTS 115/230

Catalog No 1700

HZ 60

RPM 1740



FL TORQUE	<u>6.02</u>	Lb.Ft	FL AMPS	<u>18.8/9.4</u>	
BD TORQUE	<u>14.9</u>	Lb.Ft	PU TORQUE	<u>14.3</u>	Lb.Ft
LR TORQUE	<u>15.9</u>	Lb.Ft	LR AMPS	<u>63.5</u>	
WINDING	ZB411-		Date		

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

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 : 145TBFR5334

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

Catalog No : I700

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:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25