

PRODUCT INFORMATION PACKET



Model No: M145K17FB2J

Catalog No: 120009.00

1.5HP..1740RPM.145.TEFC.115/208-230V.1PH.60HZ.CONT.MANUAL.40C.1.0SF.RIGID.GENERAL
PURPOSE.M145K17FB2J

Totally Enclosed Fan Cooled (TEFC)



Regal and Leeson are trademarks of Regal Beloit Corporation or one of its affiliated companies.

©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E



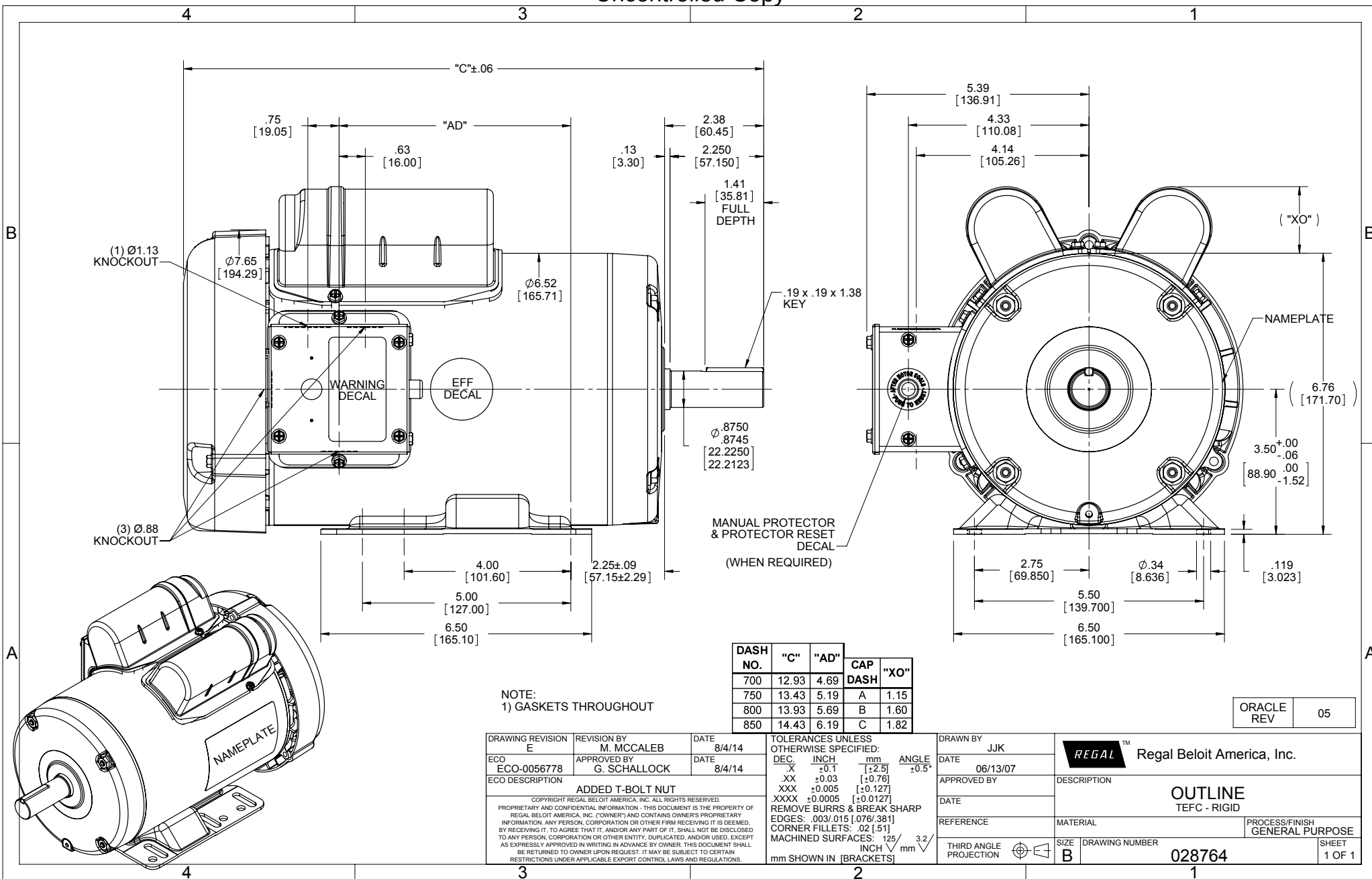


Nameplate Specifications

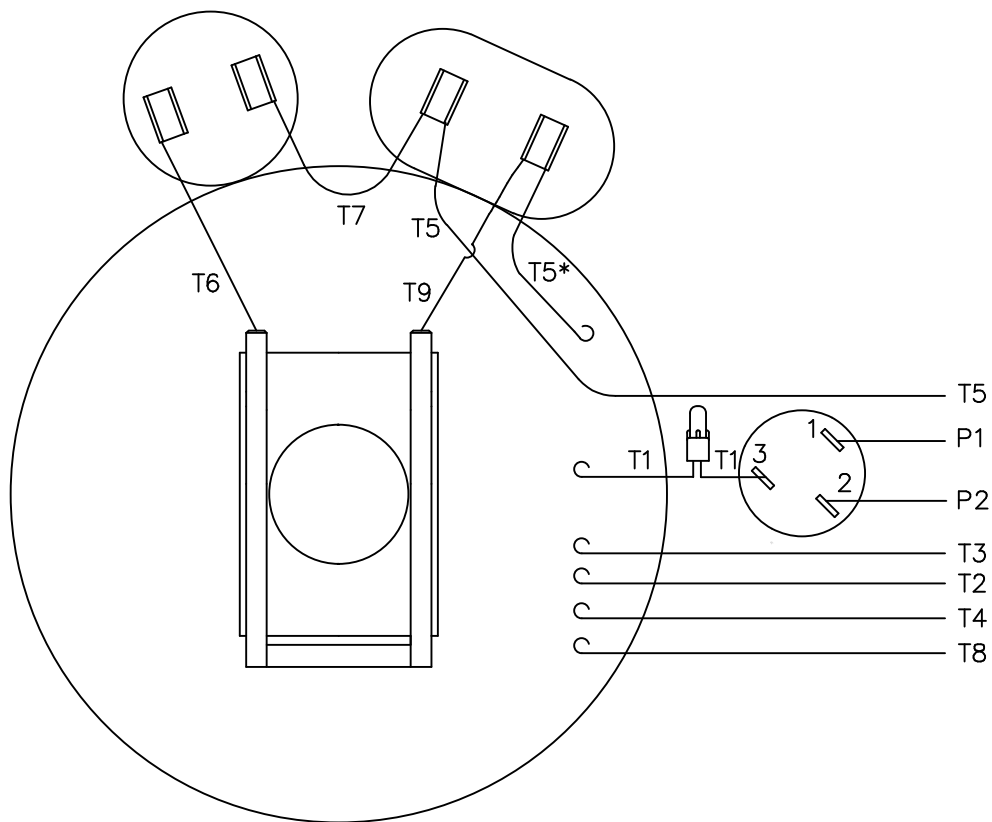
Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	17.2/8.8-8.6 A	Speed	1740 rpm
Service Factor	1	Phase	1
Efficiency	79 %	Duty	Continuous
Insulation Class	B	Design Code	L
KVA Code	J	Frame	145
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	Manual
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	43		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	12.93 in	Frame Length	7.00 in
Shaft Diameter	0.875 in	Shaft Extension	2.25 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	028764-750	Connection Diagram	005053.02

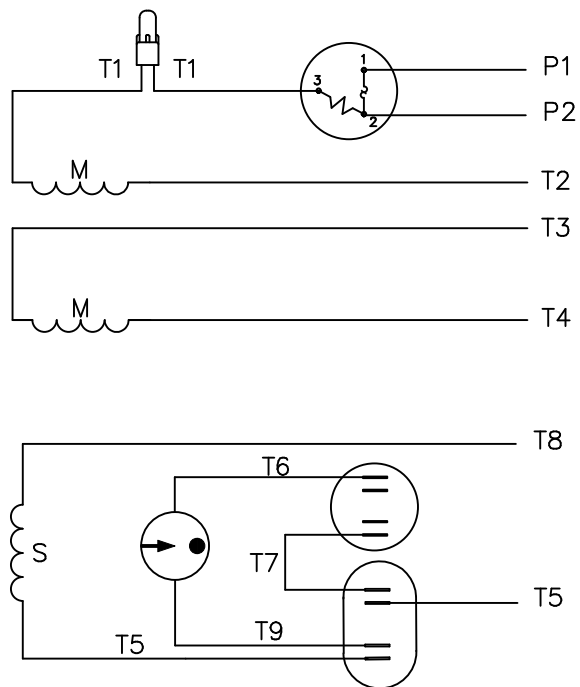


VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



* THIS LEAD MAY BE WHITE

LINE LEADS



	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATELY
HIGH VOLT	C.C.W.	P1	T4 T5	T2,T3 T8	P2
	C.W.	P1	T4 T8	T2,T3 T5	P2
LOW VOLT	C.C.W.	P1	T2,T4 T5	P2,T3 T8	-----
	C.W.	P1	T2,T4 T8	P2,T3 T5	-----

TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.01

.XXX ±.005

.XXXX ±.0005

ANG ±1/2"

REGAL-BELOIT *Motor Technologies Group*

DRAWN ADH 06/16/76

CHK WRK 06/30/76

APPD

SCALE 1=1

REF

FMF 6K17FB8A

PREV

04 ADDED "*" TO T5

RLW 7/22/02

03 REDRAWN ON CAD

DBT 05/27/97

NO. REVISION

BY & DATE

CHK

ANG ±1/2"

TITLE
EXTERNAL WIRING DIAGRAM
TYPE "K" W/PROTECTOR

MAT'L. DECAL 004011

FINISH

RFP

CAD FILE 00505302

SIZE

DRAWING NO.

REV.

DIST

A

005053-02

04

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



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 120009.00

Curve at

230

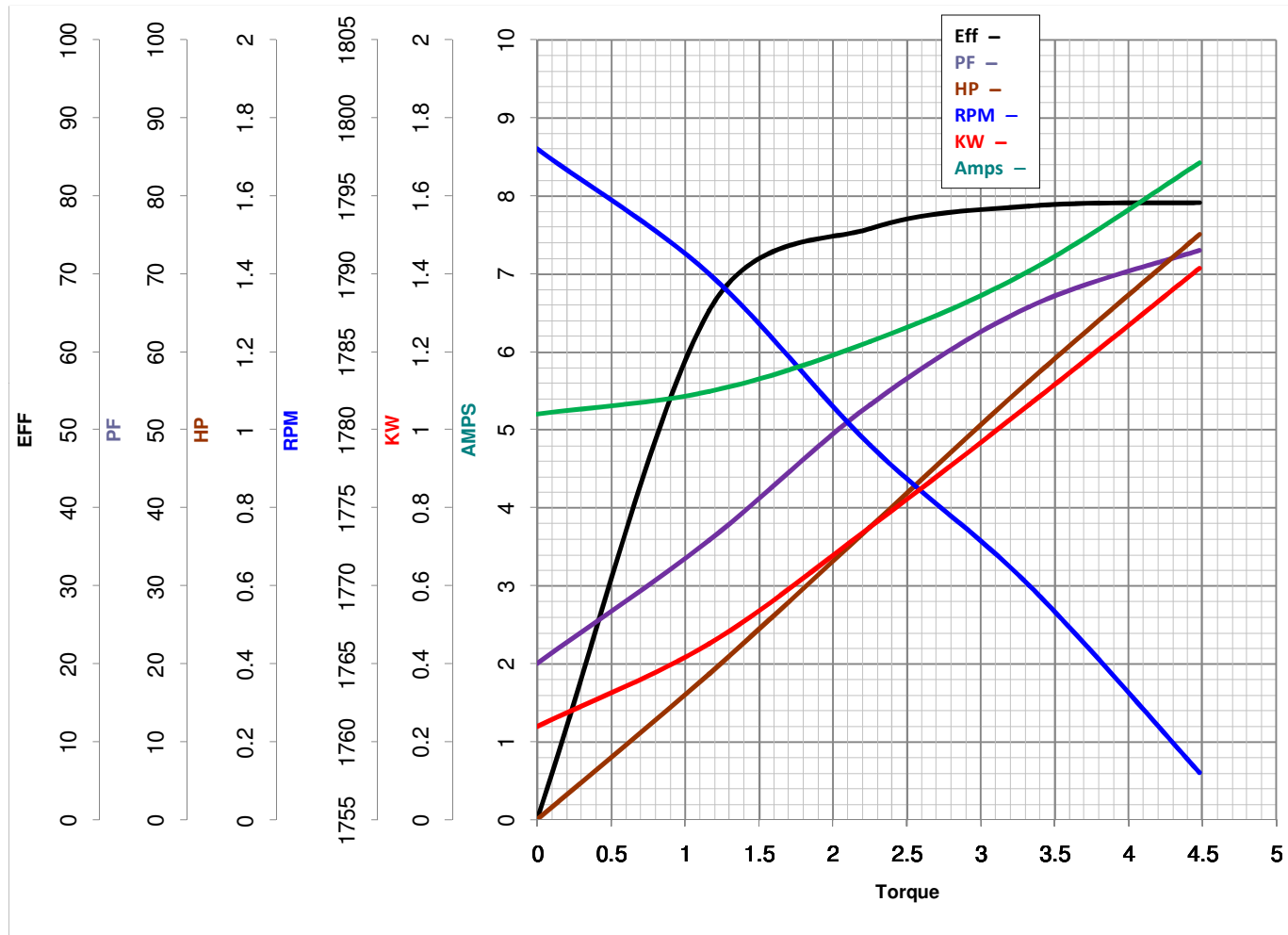
Volts

HP 1.50PHASE 160

HZ

VOLTS 115/208-2301.5

HP

HZ 60RPM 1740Catalog No 120009.00

Torque in Lb.Ft

FL TORQUE 4.48 Lb.FtBD TORQUE 10.7 Lb.FtLR TORQUE 13 Lb.Ft

WINDING K634119-3

FL AMPS 17.2/8.8-8.6PU TORQUE 9.3 Lb.FtLR AMPS 50

Date 3/21/2018