

PRODUCT INFORMATION PACKET

Model No: 056T34F15940

Catalog No: E2100

General Purpose Motor, 1 HP, 3 Ph, 60 Hz, 208-230/460 V, 3600 RPM, 56 Frame, TEFC



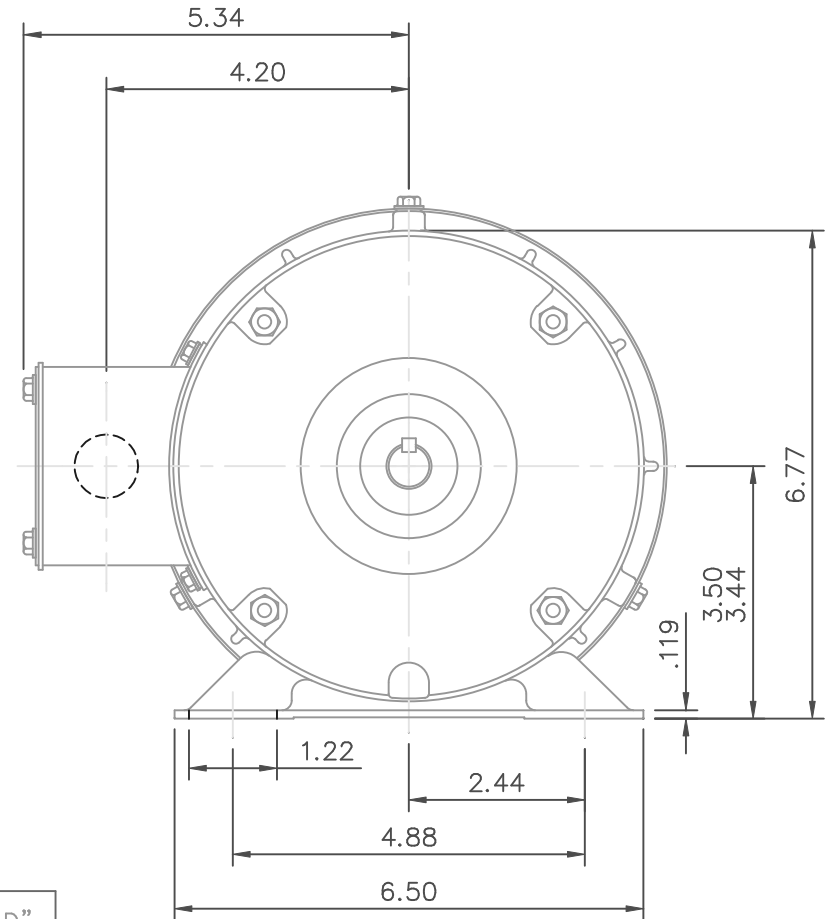
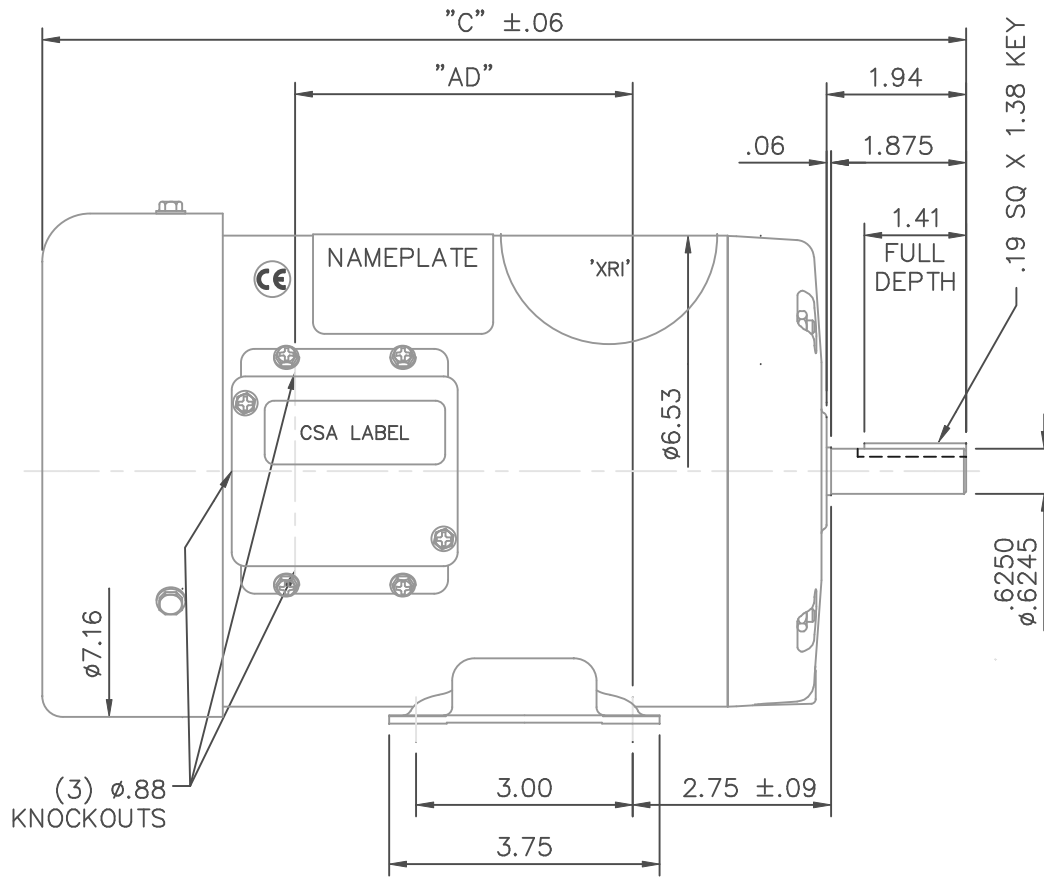
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Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	3.0-2.8/1.4 A	Speed	3490 rpm
Service Factor	1.15	Phase	3
Efficiency	80 %	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
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	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	20.27 Ohms	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	11.31 in
Frame Length	5.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.94 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028754-550	Connection Drawing	005010.01ME



DASH NO.	"C"	"AD"
500	10.81	2.68
550	11.31	3.18
600	11.81	3.68
650	12.31	4.18
700	12.81	4.68

GASKETS THROUGHOUT

		TOLERANCES UNLESS SPECIFIED			DRAWN	LST 6/7/06		
		DEC.	INCHES		CHK	RW 6/9/06		
		.X	±.1		APPD	KH 6/9/06		
		.XX	±.03		TITLE	SCALE 3=8		
		.XXX	±.005		MAT'L.	REF		
		.XXXX	±.0005		FINISH	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	PREV		
			RFP	CAD FILE	028754	SIZE	DRAWING NO.	REV.
			DIST			A	028754	

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

		TOLERANCES UNLESS SPECIFIED		DRAWN RDW 04/12/02					
		DEC.	INCHES	CHK					
		.X	±.1	APPD					
		.XX	±.01	SCALE 1=1					
		.XXX	±.005	REF FIG.2-51					
		.XXXX	±.0005	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV			
				±1/2'					
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	04/12/02	CAD FILE	00501001ME	SIZE	DRAWING NO.	REV.
			DIST				A	005010-01ME	



TITLE EXTERNAL WIRING DIAGRAM
3 PHASE W/O PROTECTOR
MAT'L. DECAL - 004014

CERTIFICATION DATA SHEET

Model#: 56T34F15940 A WINDING#: T632172 FR 3
 CONN. DIAGRAM: 005010.01ME ASSEMBLY: F1 ONLY
 OUTLINE: 028754-550

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1&1	.75&.75	3600	3490&2890	56	TEFC	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#190/ 380	3- 2.8/1.4&3.2/1. 6	ACROSS THE LINE	CONTINUOU S	F4	1.15/1.0	40	3300

FULL LOAD EFF: 80&82	3/4 LOAD EFF: 80.4	1/2 LOAD EFF: 77.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 84&77.2	3/4 LOAD PF: 79.9	1/2 LOAD PF: 68.8	0	SQ CAGE IND RUN	1.3 / .7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
1.5 LB-FT	20 / 10	3.6 LB-FT 240	5.1 LB-FT 340	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.04 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 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 (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6205	6203						

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

If Inverter equals NONE, contact factory for further information

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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

** Subject to change without notice.



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460
60
1

Volts
HZ
HP

HP 1&1

PHASE 3

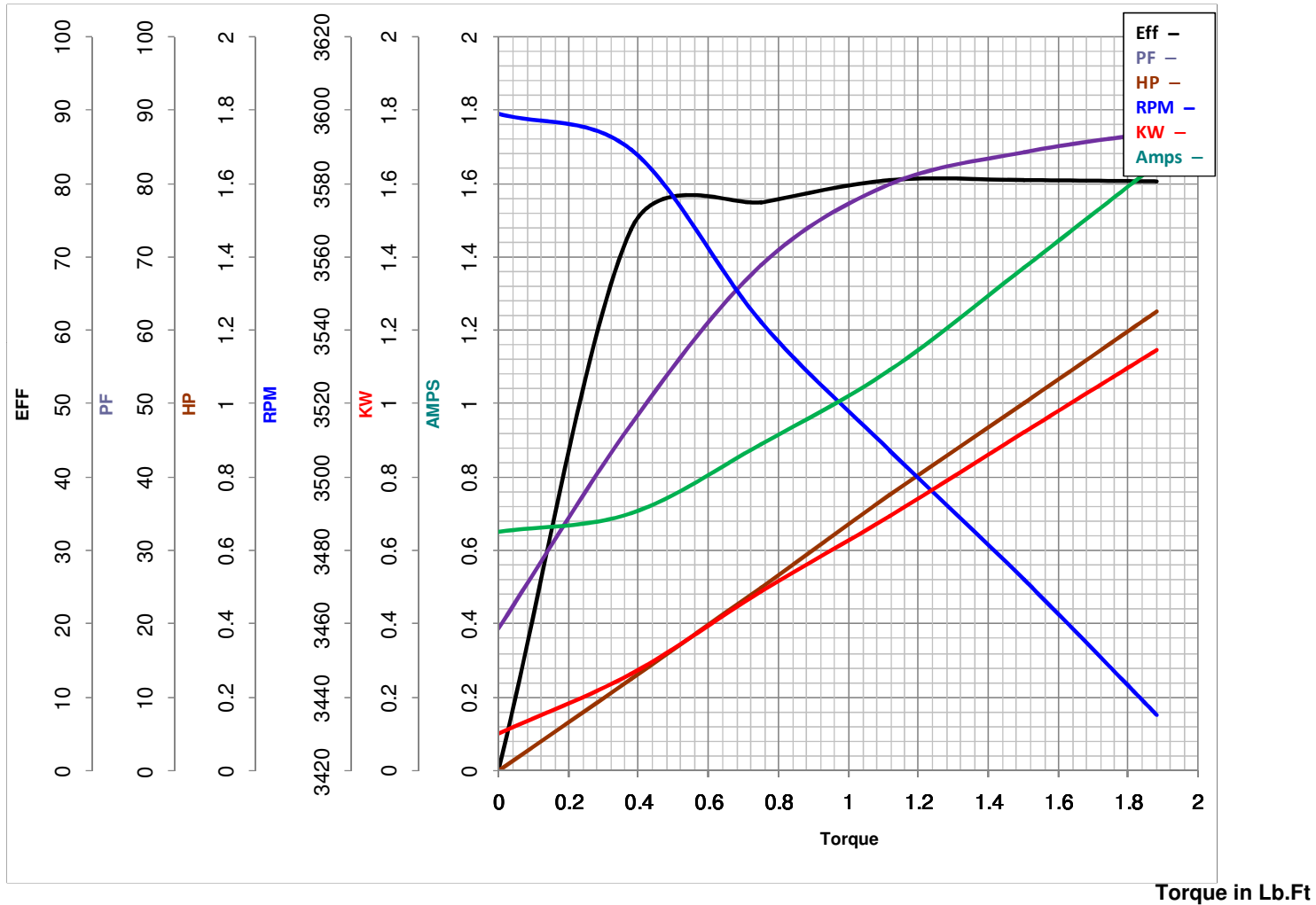
Model No 56T34F15940

VOLTS 208-230/460&190/380

Catalog No E2100

HZ 60&50

RPM 3490&2890



FL TORQUE	<u>1.5</u>	Lb.Ft	FL AMPS	<u>3-2.8/1.4</u>	
BD TORQUE	<u>5.1</u>	Lb.Ft	PU TORQUE	<u>3.4</u>	Lb.Ft
LR TORQUE	<u>3.6</u>	Lb.Ft	LR AMPS	<u>10</u>	
WINDING	T632172-		Date		

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 : 056T34F15940

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

Catalog No : E2100

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