

PRODUCT INFORMATION PACKET



Model No: 056T34F5301

Catalog No: D391

General Purpose Motor, 0.50 & 0.33 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM,
56C Frame, TEFC



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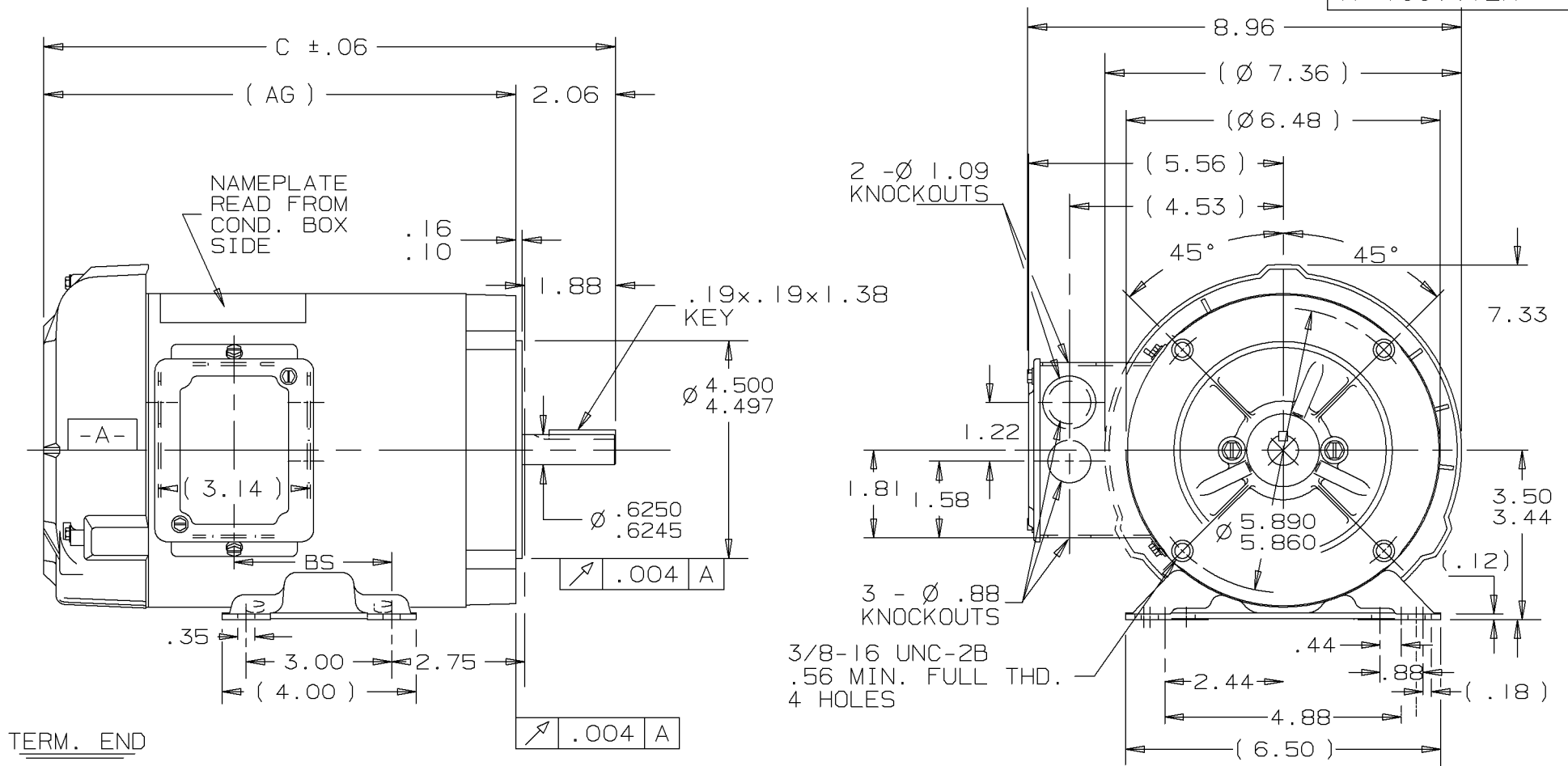
Nameplate Specifications

Phase	3	Output HP	0.50 & 0.33 Hp
Output KW	0.37 & 0.25 kW	Voltage	208-230/460 & 190/380 V
Speed	3450 & 2850 rpm	Service Factor	1.15 & 1.15
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	66 & 67.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	2-2.2/1.1 & 1.85/.92 A	Power Factor	69.7
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	P
Drive End Bearing Size	6203	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	8.34 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal Or Up Or Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.81 in
Frame Length	6.56 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE7308	Outline Drawing	A-100141-656

A-100141LN

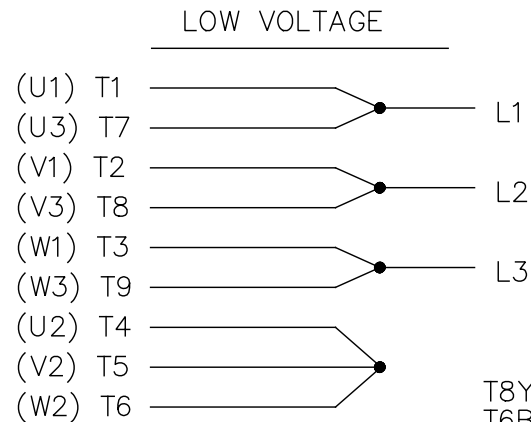
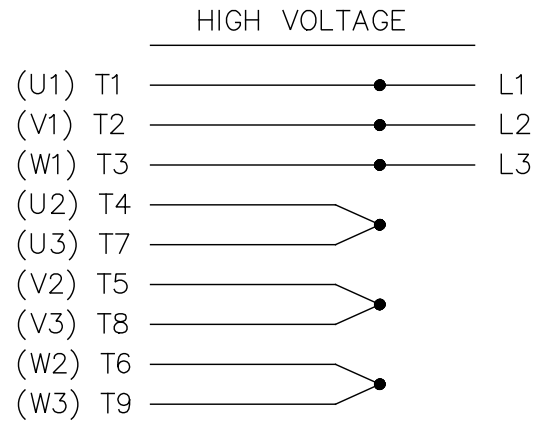


TERM. END

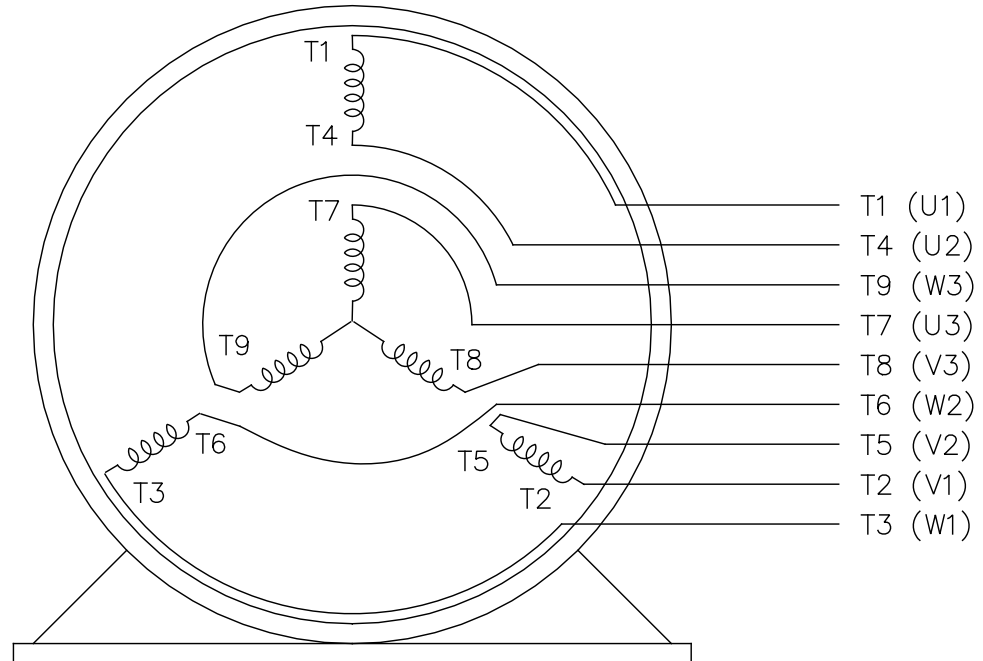
DASH	FR.	C	AG	BS
606	56-60	11.31	9.25	2.75
656	"-65	11.81	9.75	3.25
706	"-70	12.31	10.25	3.75

NOTES: CONDUIT BOX CAN BE ROTATED 180°
REMOVABLE BASE

					✓ UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± .02 XXX± .005 XXXX± .0005 ANGLES± 7'30"					
						MAX. SURFACE ROUGHNESS UNLESS OTHERWISE NOTED		DRAWN BY	TRB	07-27-1999
						FINISH		CHKD BY		
I		NEW DRAWING	TRB		MATERIAL		APPD BY			
REV	DATE	CHANGE	NAME	PART NAME OUTLINE 56 FR. - BB - TEFC - 1Ø - "C" FRAME				DRWG NO A-100141LN		
					PURCHASED	CADD FILE NO.	100141LN			



THREE PHASE DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD CONNECTION

L1 — WHITE —
L2 — RED —
L3 — BLACK —

DRAWING REVISION		REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED		DRAWN BY: AS		TransPower					
ECO		APPROVED BY	DATE	DEC. mm INCH ANGLE		DATE: 02/20/2017		DESCRIPTION CONNECTION DIAGRA 3 PHASE – UAL VOLTAGE					
ECO DESCRIPTION NEW DRAWING				.X ±2.5 [±0.1] ±0.5° .XX ±0.51 [±0.02] .XXX ±0.127 [±0.005] .XXXX ±0.0127 [±0.0005] REMOVE BURRS & BREAK SHARP EDGES .08/.38 [.003/.015] X 45° CORNER FILLETS R.51 [.02] MACHINED SURFACES INCH 125 mm 3.2		APPROVED BY: ST						MATERIAL	
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						THIRD ANGLE PROJECTION				EE7308TP		1	

CERTIFICATION DATA SHEET

Model#: 56T34F5301 J
 CONN. DIAGRAM: A-EE7308
 OUTLINE: A-100141-656

WINDING#: ZT206 FR 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2&1/3	.37&.246	3600	3450&2850	56C	TEFC	P	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#190/ 380	2- 2.2/1.1&1.85/ 92	ACROSS THE LINE	CONTINUOU S	F3	1.15/1.15	40	3300

FULL LOAD EFF: 66&67.5	3/4 LOAD EFF: 64.5	1/2 LOAD EFF: 56.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 69.7&65.4	3/4 LOAD PF: 63.5	1/2 LOAD PF: 53	62	SQ CAGE IND RUN	1.4 / .7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
0.76 LB-FT	16 / 8	3 LB-FT 395	3.8 LB-FT 500	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	0.02 LB-FT^2	1.5 LB-FT^2	10 SEC.	2	22 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	BOLT-ON	HORIZONTAL OR UP OR DOWN	FALSE	NONE	PROVISIONS ONLY	NONE	GRAY (POWDER)

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

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

* N O T E S *	INVERTER TORQUE: NONE		
	INV. HP SPEED RANGE: NONE		
	ENCODER: NONE		
	NONE NONE		
	NONE NONE PPR		
	BRAKE: PROVISIONS FOR KIT NONE		
	NONE P/N NONE		
	NONE NONE		
	NONE FT-LB		NONE V
			NONE Hz

DATE: 06/29/2017 07:54:34 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.


MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460

Volts

 HP 0.5&0.33

 PHASE 3

 Model No 56T34F5301
60

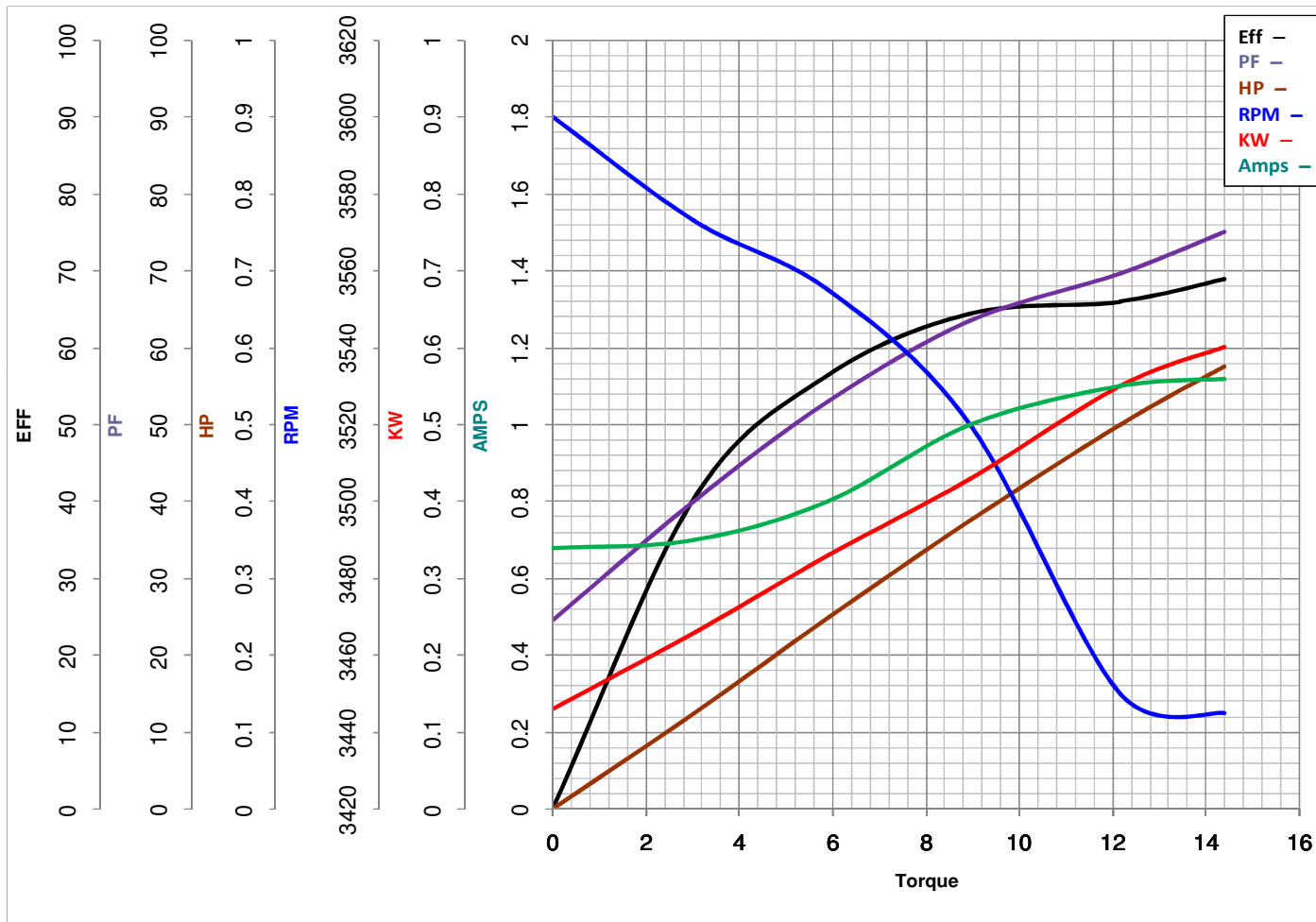
HZ

 VOLTS 208-230/460&190/380
0.5

HP

 Catalog No D391

 HZ 60&50

 RPM 3450&2850


Torque in Oz.Ft

 FL TORQUE 12.16 Oz.Ft

 BD TORQUE 60.8 Oz.Ft

 LR TORQUE 48 Oz.Ft

WINDING ZT206-3

 FL AMPS 2-2.2/1.1

 PU TORQUE 43.2 Oz.Ft

 LR AMPS 8

Date 1/11/2019

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 : 056T34F5301

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

Catalog No : D391

Rework No : N/A

Directives :

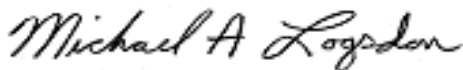
Low Voltage Directive 2014/35/EU

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