

PRODUCT INFORMATION PACKET



Model No: 056T34T5303

Catalog No: D390

General Purpose Motor, 0.33 & 0.25 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM,
56C Frame, TENV



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Nameplate Specifications

Phase	3	Output HP	0.33 & 0.25 Hp
Output KW	0.25 & 0.19 kW	Voltage	208-230/460 & 190/380 V
Speed	3450 & 2850 rpm	Service Factor	1.15 & 1.15
Frame	56C	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Efficiency	65 & 65 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	1.6-1.8/.9 & 1.7/.85 A	Power Factor	56
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	T
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	33.35 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	10.43 in
Frame Length	6.56 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-100142-656	Connection Drawing	A-EE7308

MASTER BILL OF MATERIAL							
DATA No. 100142-01		CUSTOMER MECHANICAL TOOL			MODEL - C4C17DB6A		
REM.	1725	H.P.	1/3	Vols	115	Vols	230
Hertz	60	Frame	L48Y	F.L.Amps	6.8 7.4	F.L.Amps	3.4 3.7
Phase	1	Type	CD	S.F.Amps	4.2 6.0	S.F.Amps	3.2 4.0
Duty	CONT.	Insul. Class	B	Sex Factor	1.35	Max. Amb.	40°
Code	N		NOT	Therm. Prot.		Rotation	RECONN.
Design	J	Mounting	RIGID	Encl.	DRIP PROOF	Ext. Diag.	A005005
Print	STANDARD	Assemble	A040005	Outline	A030049		
Winding	N-C55422-3			Weight		Nameplate	004003 STAMP CSA

8/21/81
JW

- not
reinsert

3 of 11

MASTER BILL OF MATERIAL

DATA No. 100142-01

MODEL - C4C17DB6A

DESCRIPTION	QTY	U/M	M/B	CHG DATE
FRAME & STATOR ASSEMBLY	A - 015079-01	001.00	PCS	
FRAME	A - 010002-01	001.00	PCS	B
FRAME MATERIAL - 16 GA. SAE 1010 CRS-5.56 LG.	- 000016-01	001.65	LBS	B
STATOR ASSEMBLY - A-55C4A20BA-1	250235-01	001.00	PCS	
LAMINATION	B - 001000-01	080.00	PCS	B
WINDING - W-C55422-3	200199-03	001.00	PCS	
MAGNET WIRE - 19.5 HNYT	- 000195-01	001.90	LBS	B
MAGNET WIRE - 21.5 HNYT	- 000215-01	003.60	LBS	B
MYLAR - 7.5 MIL 2.562 WIDE	- 000520-01	000.05	LBS	B
BAFFLE	A - 003700-01	001.00	PCS	B
BASE	A - 003306-01	001.00	PCS	B
ROTOR & SHAFT ASSEMBLY	A - 060008-06	001.00	PCS	
SHAFT	A - 050033-01	001.00	PCS	
SHAFT MATERIAL - 3/4" DIA. C1144 MODIFIED	- 000607-01	000.93	LBS	B
ROTOR CORE	A - 070002-05	001.00	PCS	
LAMINATION	B - 001001-07	080.00	PCS	B
ALUMINUM - A100 ALLOY	- 000700-01	000.53	LBS	B
FAN	A - 003500-01	001.00	PCS	B
CENTRIFUGAL SWITCH	A - 002500-02	001.00	PCS	B
ENDBELL MACHINING (FRONT)	A - 021001-01	001.00	PCS	
ENDBELL	C - 020001-01	001.00	PCS	B
BEARING INSERT	A - 006000-03	001.00	PCS	B
ALUMINUM - A390 ALLOY	- 000701-01	000.75	LBS	B
ENDBELL MACHINING (REAR)	A - 021018-01	001.00	PCS	
ENDBELL	C - 020018-01	001.00	PCS	B
BEARINGS	A - 002000-03	002.00	PCS	B
SPACERS	A - 006001-01	002.00	PCS	B
CONDUIT BOX COVER	A - 003203-01	001.00	PCS	B
CONDUIT BOX BOTTOM	A - 008012-01	001.00	PCS	B
CAPACITOR - 285 MFD 115 V	A - 003002-04	001.00	PCS	B
CAPACITOR CASE	A - 003100-01	001.00	PCS	B
STATIONARY SWITCH	A - 002750-01	001.00	PCS	B
WAVY SPRING	A - 004300-03	001.00	PCS	B
SHIM	A - 004301-01	001.00	PCS	B
SHIM	A - 004301-03	001.00	PCS	B
LEAD HOLE BUSHING	A - 006028-01	001.00	PCS	B
THRU BOLTS	A - 003800-07	004.00	PCS	B
PLUG CAP	A - 006023-01	001.00	PCS	B
PAN HD. SCREW - 8-32 x 3/8" LG. SELF TAP	A - 009000-01	000.00	PCS	B
HEX WHIZ NUT - 8-32	A - 009001-01	004.00	PCS	B
JUMPER LEAD - A-L6B18BL-8 (T5)	- 000802-01	000.67	FT	B
TERMINAL	A - 006010-02	001.00	PCS	B
JUMPER LEAD - A-L6B18BL-8 (T6)	- 000803-10	000.50	FT	B
TERMINAL	A - 006010-02	002.00	PCS	B
PAINT	305000-01	000.01	GAL	B
STICK SCREW	A - 009005-01	002.00	PCS	B

3018-04

MASTER BILL OF MATERIALS

DATA NO. 100142-01		CUSTOMER MECHANICAL TOOL				MODEL - C4C17DB6A	
RPM.	1725	H.P.	1/3	Volts	115	Volts	230
Hertz	60	Frame	L48Y	F.L.Amps	6.8	F.L.Amps	3.4
Phase	1	Type	CD	S.F.Amps	7.2	S.F.Amps	3.6
Duty	CONT.	Insul. Class	B*	Ser. Factor	1.35	MAX. AMB.	40°
Code	N		NOT	Therm. Prot.		Rotation	RECONN.
Design		Mounting	RIGID	Encl.	DRIP PROOF	Ext. Diag.	A005005
Paint	STANDARD	Assembly	A040005	Outline	A030049		
Winding	W-C55422-3			Weight		Nameplate	004003
STAMP CSA							

CUSTOMER PART NO. 39200220

- (1) SHAFT EXTENSION IS HARDENED
- (2) 4 BOLT PUMP MOUNTING

[illegible]

Written By ADH	Checked By MM	Date 6-25-75	Page 1 of 2
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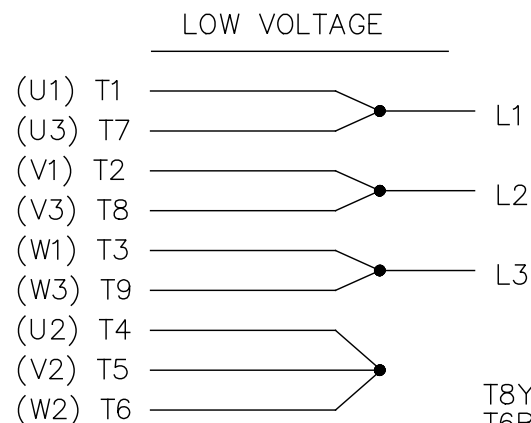
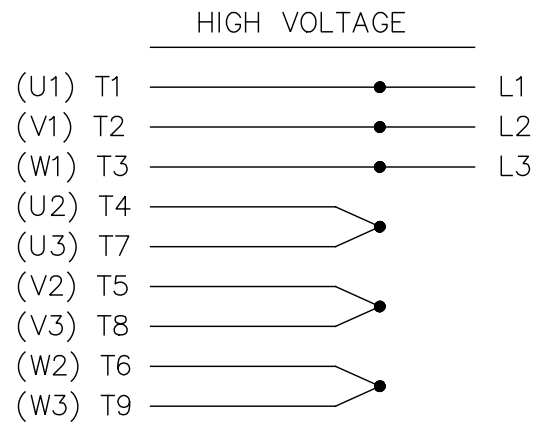
LEESON ELECTRIC CORPORATION

MASTER BILL OF MATERIAL

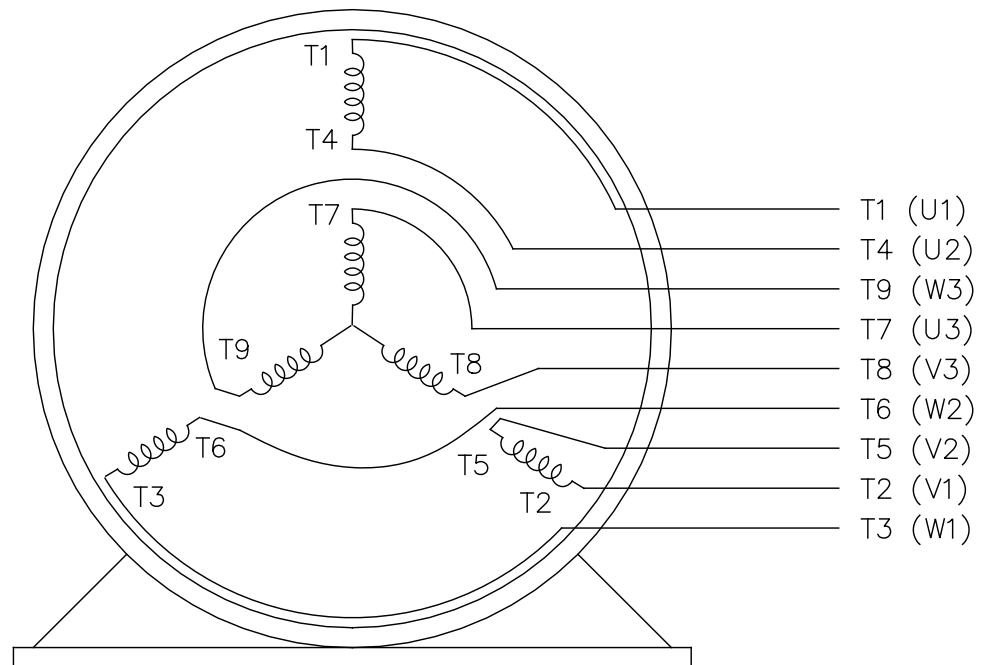
DATA No. 100142-01

MODEL - C4C17DB6A

DESCRIPTION	DRG. SIZE	PART NUMBER	QTY.	U/M	M/B	CHG. DATE
FRAME & STATOR ASSEMBLY	A	015079-01	001.00	PCS		
FRAME	A	010002-04	001.00	PCS	M	
FRAME MATERIAL - 16 GA. SAE 1010 CRS-5.56 LG.		000016-01	001.65	LBS	B	
STATOR ASSEMBLY - A-55C4A20BA-1		250235-01	001.00	PCS		
LAMINATION	B	001000-01	080.00	PCS	B	
WINDING - W-C55422-3		200199-03	001.00	PCS		
MAGNET WIRE - 19.5 HNYT		000195-01	001.90	LBS	B	
MAGNET WIRE - 21.5 HNYT		000215-01	000.60	LBS	B	
MYLAR - 7.5 MIL 2.562 WIDE		000520-01	000.05	LBS	B	
BAFFLE	A	003700-01	001.00	PCS	B	
BASE	A	003306-01	001.00	PCS	B	
ROTOR & SHAFT ASSEMBLY	A	060008-06	001.00	PCS		
SHAFT	A	050033-01	001.00	PCS		
SHAFT MATERIAL - 3/4" DIA. C1144 MODIFIED		000607-01	000.93	LBS	B	
ROTOR CORE	A	070002-05	001.00	PCS		
LAMINATION	B	001001-07	080.00	PCS	B	
ALUMINUM - A100 ALLOY		000700-01	000.53	LBS	B	
FAN	A	003500-01	001.00	PCS	B	
CENTRIFUGAL SWITCH	A	002500-02	001.00	PCS	B	
ENDBELL MACHINING (FRONT)	A	021001-01	001.00	PCS		
ENDBELL	C	020001-01	001.00	PCS	B	
BEARING INSERT	A	006000-03	001.00	PCS	B	
ALUMINUM - A380 ALLOY		000701-01	000.75	LBS	B	
ENDBELL MACHINING (REAR)	A	021018-01	001.00	PCS		
ENDBELL	C	020018-01	001.00	PCS	B	
BEARINGS	A	002000-03	002.00	PCS	B	
SPACERS	A	006001-01	002.00	PCS	B	
CONDUIT BOX COVER	A	003203-01	001.00	PCS	B	
CONDUIT BOX BOTTOM	A	006012-01	001.00	PCS	B	
CAPACITOR -285 MFD 115 V	A	003002-04	001.00	PCS	B	
CAPACITOR CASE	A	003100-01	001.00	PCS	B	
STATIONARY SWITCH	A	002750-01	001.00	PCS	B	
WAVY SPRING	A	004300-03	001.00	PCS	B	
SHIM	A	004301-01	001.00	PCS	B	
SHIM	A	004301-03	001.00	PCS	B	
LEAD HOLE BUSHING	A	006028-01	001.00	PCS	B	
THRU BOLTS	A	003800-07	004.00	PCS	B	
PLUG CAP	A	006023-01	001.00	PCS	B	
PAN HD. SCREW - 8-32 x 3/8" LG. SELF TAP	A	009000-01	000.00	PCS	B	
HEX WHIZ NUT - 8-32	A	009001-01	004.00	PCS	B	
JUMPER LEAD - A-L6B18BL-8 (T5)		000802-01	000.67	FT	B	
TERMINAL	A	006010-02	001.00	PCS	B	
JUMPER LEAD - A-L6B18BL-8 (T6)		000803-10	000.50	FT	B	
TERMINAL	A	006010-02	002.00	PCS	B	
PAINT		305000-01	000.01	GAL	B	
STICK SCREW	A	009005-01	002.00	PCS	B	



THREE PHASE DUAL VOLTAGE MOTOR



REF.
WINDING DIAGRAM

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

VIEW OF TERMINAL END

OPTIONAL CORD CONNECTION

L1 _____ WHITE _____
L2 _____ RED _____
L3 _____ BLACK _____

DRAWING REVISION	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY:			
ECO	APPROVED BY	DATE	DEC. mm INCH ANGLE	AS			
ECO DESCRIPTION			.X ±2.5 ±0.11 ±0.5°	DATE:	CONNECTION DIAGRA 3 PHASE - UAL VOLTAGE		
NEW DRAWING			.XX ±0.51 ±0.021	APPROVED BY:			
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			.XXXX ±0.0127 ±0.00051	REFERENCE			
			REMOVE BURRS & BREAK SHARP	THIRD ANGLE	EE7308TP		
			EDGES .08/.38 [.003/.015]X 45°	PROJECTION			
			CORNER FILLETS R.51 [.02]	SIZE DWG NO	A		
			MACHINED SURFACES				
			INCH 125 mm 3.2		SHEET 1		
			INCH SHOWN IN [BRACKETS]				

CERTIFICATION DATA SHEET

Model#: 56T34T5303 G
 CONN. DIAGRAM: A-EE7308
 OUTLINE: A-100142-656

WINDING#: ZT206 R2 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3&1/4	.246&.187	3600	3450&2850	56C	TENV	T	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#190/ 380	1.6- 1.8/.9&1.7/.85	ACROSS THE LINE	CONTINUOU S	F3	1.15/1.15	40	3300

FULL LOAD EFF: 65&65	3/4 LOAD EFF: 56.5	1/2 LOAD EFF: 40	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 56&58	3/4 LOAD PF: 53	1/2 LOAD PF: 39	61	SQ CAGE IND RUN	1.4 / .7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
0.5 LB-FT	16 / 8	2.5 LB-FT 500	3.8 LB-FT 760	70

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	0.022 LB-FT^2	1.5 LB-FT^2	10 SEC.	2	18 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	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	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	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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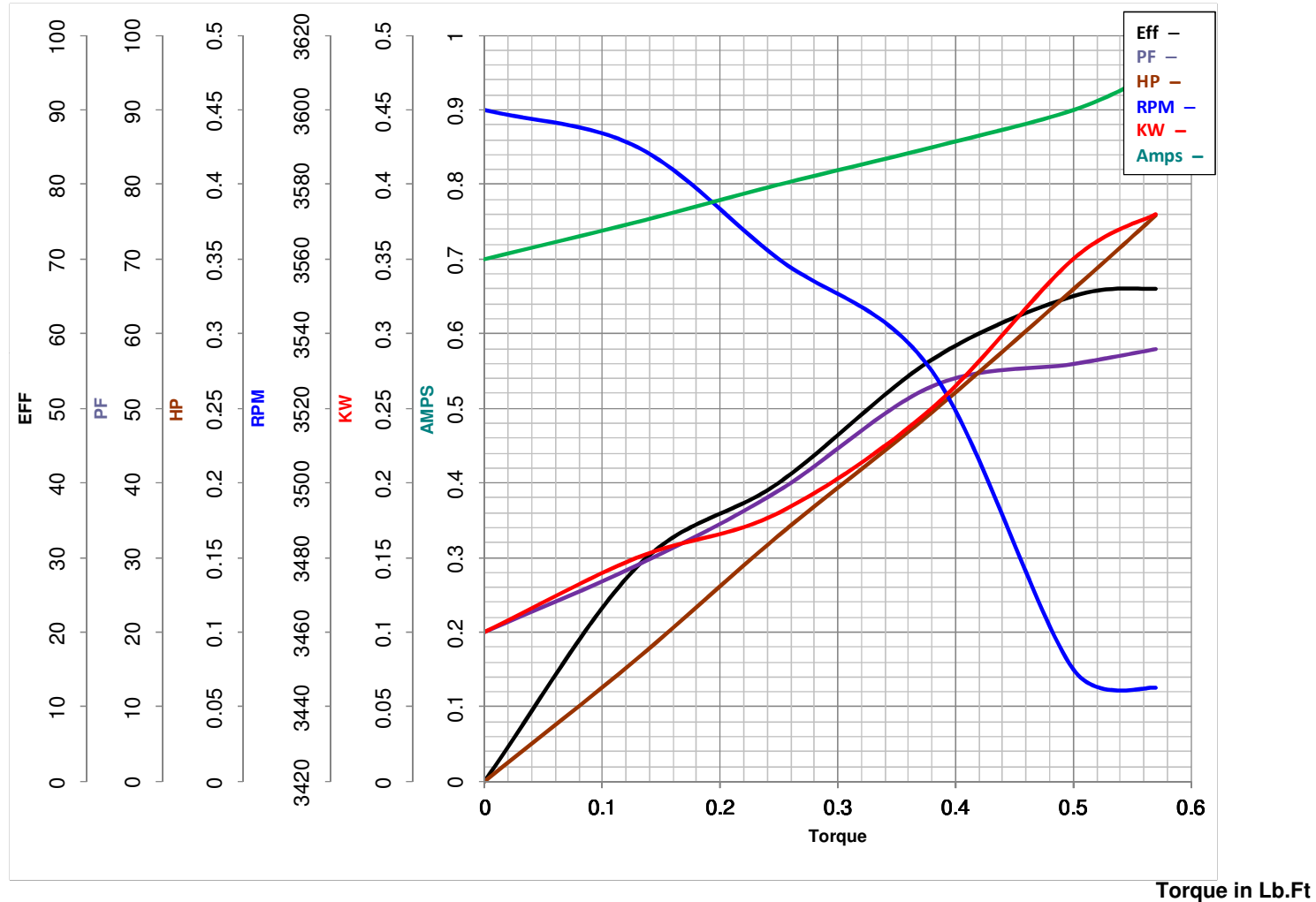
INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

DATE: 06/28/2017 02:16:11 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** 0.33&0.25**PHASE** 3**Model No** 56T34T530360**HZ**0.33**HP****VOLTS** 208-230/460&190/380**Catalog No** D390**HZ** 60&50**RPM** 3450&2850

Torque in Lb.Ft

FL TORQUE 0.5 **Lb.Ft****BD TORQUE** 3.8 **Lb.Ft****LR TORQUE** 2.5 **Lb.Ft****FL AMPS** 1.6-1.8/9**PU TORQUE** 2.1 **Lb.Ft****LR AMPS** 8**WINDING** ZT206-3**Prepared By** VINAYAK**Date** 8/25/2017

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 : 056T34T5303

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

Catalog No : D390

Rework No : N/A

Directives :

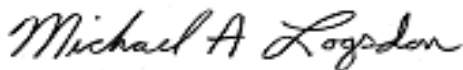
Low Voltage Directive 2014/35/EU

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