

PRODUCT INFORMATION PACKET



Model No: 056T34F99017

Catalog No: D394A

General Purpose Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
56C Frame, TEFC



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Nameplate Specifications

Phase	3	Output HP	1.50 & 1 Hp
Output KW	1.1 & 0.75 kW	Voltage	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	84 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	4/2 & 3.4/1.7 A	Power Factor	83.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	M
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	9.27 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	13.31 in
Frame Length	8.06 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	EE7308	Outline Drawing	A-100141-806

Technical drawing of a motor terminal box, showing front and end views with dimensions and callouts.

Front View Dimensions:

- Overall width: $C \pm .06$
- Distance from left face to centerline: (AG)
- Distance from centerline to right face: 2.06
- NAMEPLATE READ FROM COND. BOX SIDE
- Distance from top face to centerline: .16
- Distance from centerline to bottom face: .10
- Distance from left face to mounting flange: 1.88
- Key dimensions: .19x.19x1.38
- Key hole diameter: $\phi 4.500$ / 4.497
- Mounting flange diameter: $\phi .6250$ / .6245
- Surface finish: .004 A
- Mounting flange width: .35
- Mounting flange diameter: 3.00
- Mounting flange thickness: 2.75
- Overall mounting flange diameter: (4.00)
- BS (Bolt Specification)

End View Dimensions:

- Overall diameter: 8.96
- Inner diameter: $(\phi 7.36)$
- Outer diameter: $(\phi 6.48)$
- Distance from centerline to mounting flange: (5.56)
- Distance from centerline to mounting flange: (4.53)
- 45° chamfer
- Distance from centerline to mounting flange: 7.33
- Distance from centerline to mounting flange: 3.50
- Distance from centerline to mounting flange: 3.44
- Distance from centerline to mounting flange: (.12)
- Distance from centerline to mounting flange: .44
- Distance from centerline to mounting flange: .88
- Distance from centerline to mounting flange: (.18)
- Distance from centerline to mounting flange: 4.88
- Overall diameter: (6.50)
- 3 - $\phi .88$ KNOCKOUTS
- 3/8-16 UNC-2B .56 MIN. FULL THD. 4 HOLES
- 2 - $\phi 1.09$ KNOCKOUTS
- Distance from centerline to mounting flange: 1.22
- Distance from centerline to mounting flange: 1.81
- Distance from centerline to mounting flange: 1.58
- Distance from centerline to mounting flange: $\phi 5.890$ / 5.860

Surface Finish: .004 A

TERMINAL 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 FINISH		DRAWN BY TRB	07-27-1999
							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	



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	FINISH	DRAWN RM	ML	OF	REV.
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES					
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1					
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02					
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005					
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005					
					±7'30"					
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	CAD FILE ee7308	SIZE A	DRAWING NO. EE7308	PAGE 5
						DIST WP				



Regal Beloit America, Inc.

TITLE CONNECTION DIAGRAM
3Ø - DUAL VOLTAGE MOTOR

MAT'L.

FINISH

DRAWN RM 11/20/1990

CHK ML 11/21/1990

APPD SAS 04/24/2003

SCALE 1=1

REF

FMF

PREV



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____ CUSTOMER P.O. #: _____
ORDER #: _____ REFERENCE MODEL #: 56T34F99017
CONN. DIAGRAM: EE7308 CAT #: D394A
OUTLINE: A-100141-806 CUSTOMER PART #: _____
WINDING: ZT2141 R1 1 MOUNTING: F1 ONLY
SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
1.5	1.1	3600	3515	56C	TEFC	TFR	M	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	4/2&3.4/1.7	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	84.0	3/4 LD EFF	84.8	1/2 LD EFF	82.3	GTD EFF	ELECT. TYPE
F.L. PF	83.5	3/4 LD PF	77.8	1/2 LD PF	67.2	82.5	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
2.20 LB-FT	19.4	7.3 LB-FT 332%	9.6 LB-FT 436%	38

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
69 dBA	78 dBA	0.05 LB-FT²	3 LB-FT²	20 SEC.	2	55 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	BOLT-ON	HORIZONTAL	NO	NONE	NO	NONE	GRAY - GE (POWDER)

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

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
1.419	0.946	2.318	2.129	79.937	0.150	ODE

* N O T E S *			INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
			ENCODER: NONE NONE NONE NONE PPR

PREPARED BY: FAREEDA DUDEKULA DATE: 8/28/2018	BRAKE: NONE NONE NONE	NONE
	FT-LB: NA	
	VOLTAGE: NONE	HZ:

FORM: 3531 REV_4 2/27/06

UL: V-INS, CONST UL REC

Data Sheet

Date: 12/13/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



56T34F99017

Submittal

Data @ 460 V

Motor Load Data

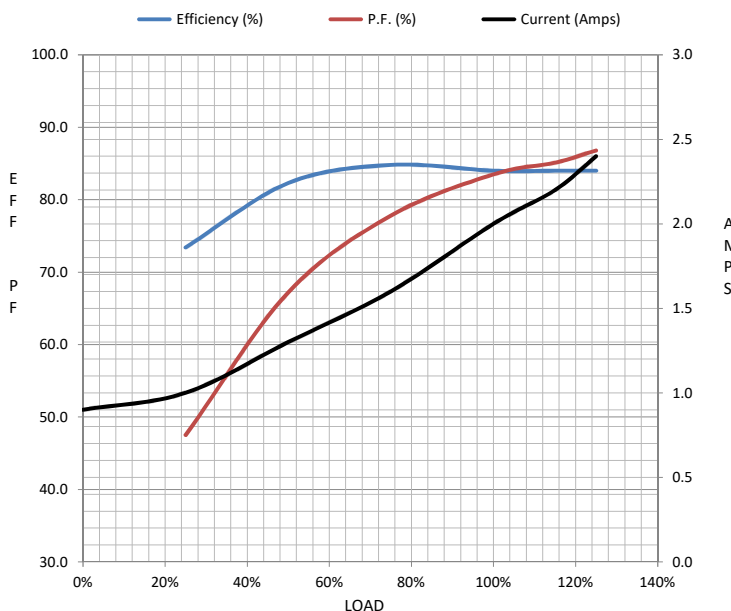
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.90	1.00	1.30	1.60	2.00	2.20	2.40	19.4	
Torque (ft-lb)	0.00	0.60	1.10	1.70	2.20	2.60	2.80	7.3	
RPM	3600	3575	3555	3535	3515	3,500	3485	0	
Efficiency (%)		73.4	82.3	84.8	84.0	84.0	84.0		
P.F. (%)	17.0	47.5	67.2	77.8	83.5	85.1	86.8	58.0	

Motor Speed Data

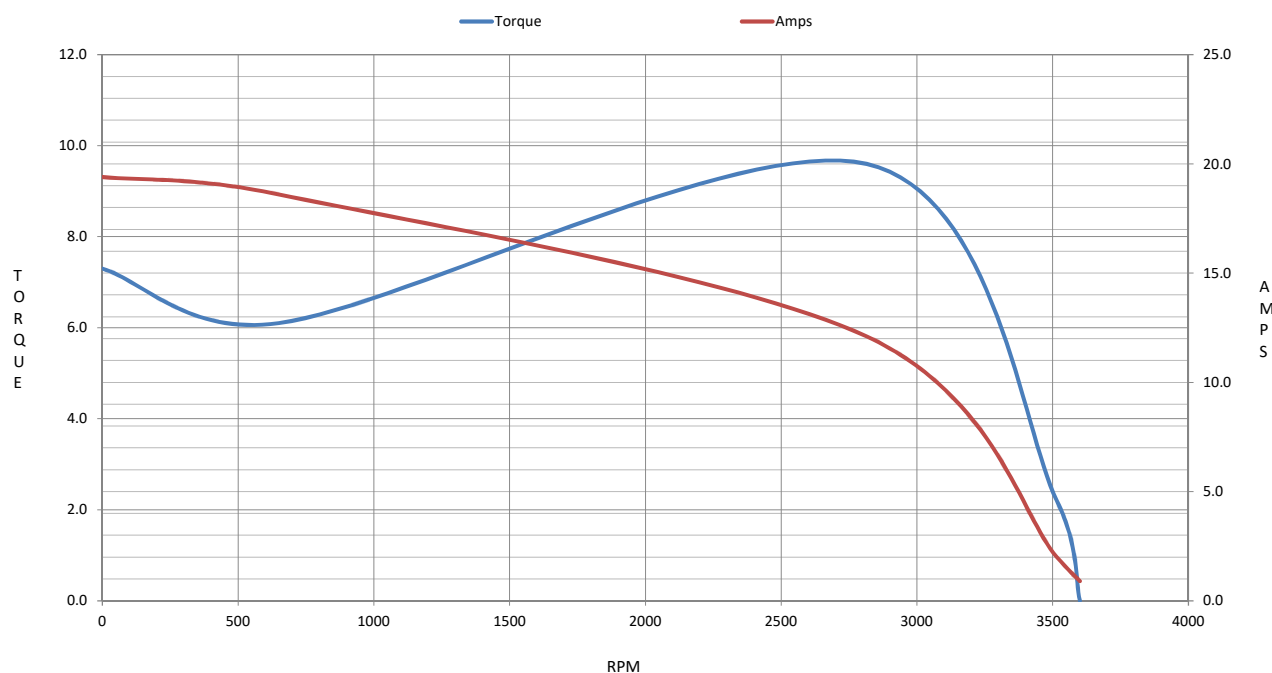
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	650	2815	3515	3600
Current (Amps)	19.4	18.6	12.1	2.00	0.90
Torque (ft-lb)	7.3	6.1	9.6	2.20	0.00

Information Block

HP	1.5			
Sync. RPM	3600			
Frame	56			
Enclosure	TEFC			
Construction	TS			
Voltage	230/460#190/380	V		
Frequency	60	Hz		
Design	A			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	38	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.05	Lb-Ft²		
Ref Wdg	ZT2141 R1			
Sound Pressure @ 1M	69	dBA		
VFD Rating	NONE			
Outline Dwg	A-100141-806			
Conn. Diag	EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
1.4190	0.9460	2.3180	2.1290	79.9370



Speed -Torque Curve



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 : 056T34F99017

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

Catalog No : D394A

Rework No : N/A

Directives :

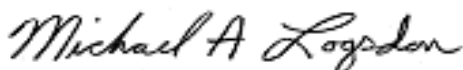
Low Voltage Directive 2014/35/EU

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