

PRODUCT INFORMATION PACKET



Model No: 056T17F5337

Catalog No: K707

General Purpose Motor, 0.75 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 56C Frame, TEFC



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Nameplate Specifications

Phase	3	Output HP	0.75 Hp
Output KW	0.56 kW	Voltage	575 V
Speed	1725 rpm	Service Factor	1.15
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	75.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	1.2 A	Power Factor	66.3
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
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	4	Rotation	Reversible
Resistance Main	23.2 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
Outline Drawing	A-100141-656	Connection Drawing	A-EE7300

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
- Distance from left face to mounting flange: .35
- Distance from mounting flange to centerline: 3.00
- Distance from centerline to right face: 2.75
- Overall distance from left face to right face: (4.00)
- BS (Base Mounting)
- Distance from left face to mounting flange: .35
- Distance from mounting flange to centerline: 3.00
- Distance from centerline to right face: 2.75
- Overall distance from left face to right face: (4.00)
- Surface finish: .004 A

End View Dimensions:

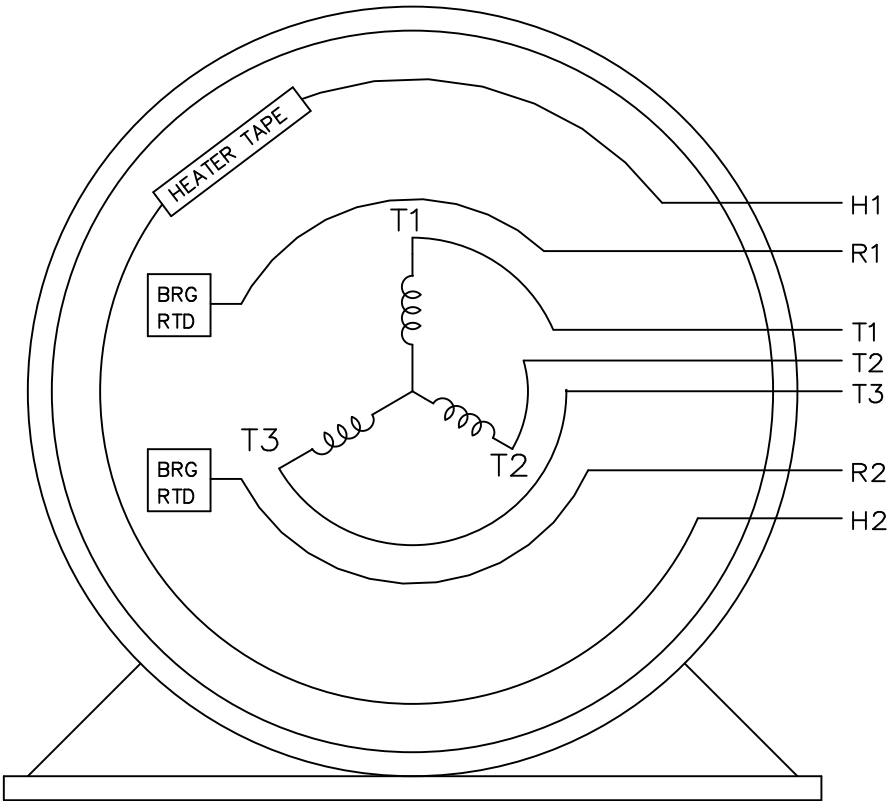
- Overall diameter: 8.96
- Inner diameter: $(\phi 7.36)$
- Outer diameter: $(\phi 6.48)$
- Distance from centerline to mounting flange: (5.56)
- Distance from centerline to mounting flange: (4.53)
- 45° chamfer
- Distance from centerline to mounting flange: 7.33
- Distance from centerline to mounting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

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 – SINGLE VOLTAGE
MOTOR OR INDUCTION GENERATOR WITH
2 BRG RTD'S, MARKED R1–R2, AND 2
SPACE HEATER LEADS MARKED H1–H2



TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED			DRAWN KL 03-06-2001			
				DEC.	INCHES		CHK DJK 03-06-2001			
				.X	±.1		APPD JES 03-06-2001			
				.XX	±.02		SCALE 1=1			
2	REDRAWN IN AUTOCAD	TAT 08-02-2004	ML	.XXX	±.005	TITLE CONNECTION DIAGRAM – EXTERNAL SINGLE VOLTAGE 3ø MOTOR			REF	
1	NEW DRAWING MU36343	KL 03-06-2001		.XXXX	±.0005	MAT'L.			FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH			PREV	
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 ee7300ht			SIZE	DRAWING NO. PAGE OF	REV.
			DIST					A	EE7300HT	2

ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

/RS
-dictionary-
/Pscript_WinNT_Compat
-dictionary-

CERTIFICATION DATA SHEET

Model#: 56T17F5337 D
 CONN. DIAGRAM: A-EE7300
 OUTLINE: A-100141-656

WINDING#: ZT411 FR 2
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4	.56	1800	1725	56C	TEFC	L	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	1.2	ACROSS THE LINE	CONTINUOUS	F3	1.15	40	3300

FULL LOAD EFF: 75.5	3/4 LOAD EFF: 74.5	1/2 LOAD EFF: 71	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 66.3	3/4 LOAD PF: 57	1/2 LOAD PF: 45.5	72	SQ CAGE IND RUN	.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.28 LB-FT	7.8	8.2 LB-FT 360	10 LB-FT 439	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.07 LB-FT^2	5 LB-FT^2	12 SEC.	2	25 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

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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 12:50:18 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

575

Volts

 HP 0.76

 PHASE 3

 Model No 56T17F5337
60

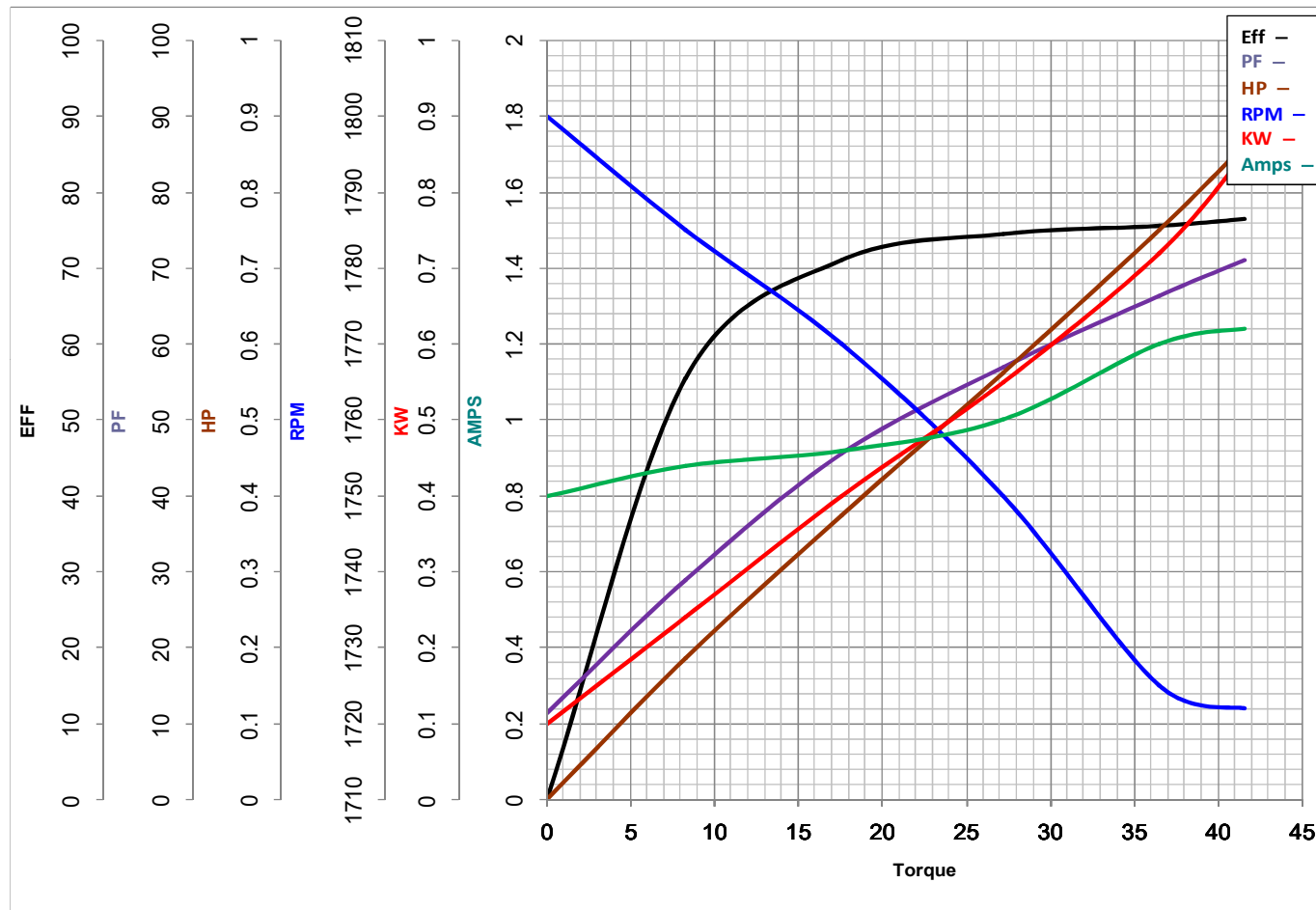
HZ

 VOLTS 575
0.75

HP

 HZ 60

 RPM 1725

 Catalog No K707


Torque in Oz.Ft

 FL TORQUE 36.48 Oz.Ft

 BD TORQUE 160.0 Oz.Ft

 LR TORQUE 131.2 Oz.Ft

WINDING ZT411-2

 FL AMPS 1.2

 PU TORQUE 118.4

 LR AMPS 7.84

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 : 056T17F5337

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

Catalog No : K707

Rework No : N/A

Directives :

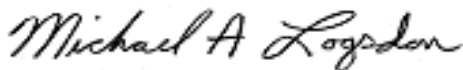
Low Voltage Directive 2014/35/EU

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