

PRODUCT INFORMATION PACKET



Model No: 056T17F5336

Catalog No: K705

General Purpose Motor, 0.50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 56C Frame, TEFC



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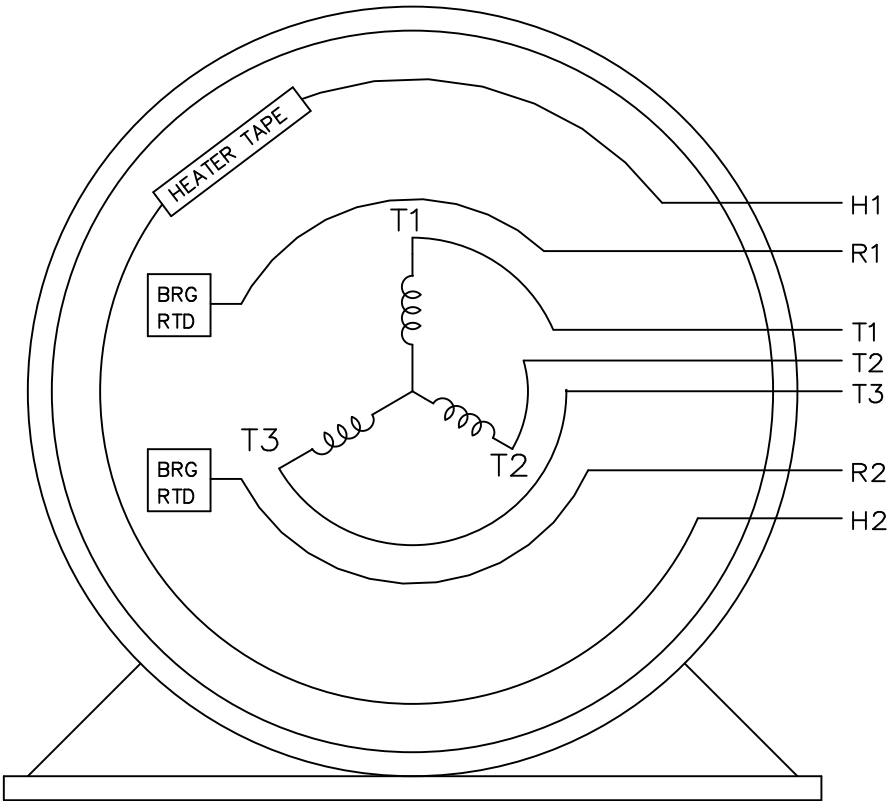
Nameplate Specifications

Phase	3	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	575 V
Speed	1725 rpm	Service Factor	1.15
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	72.1 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	0.95 A	Power Factor	53.3
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	4	Rotation	Reversible
Resistance Main	40 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

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					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
			DIST				A	EE7300HT		REV.
									2	

ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

/RS
-dictionary-
/Pscript_WinNT_Compat
-dictionary-

CERTIFICATION DATA SHEET

Model#: 56T17F5336 D
 CONN. DIAGRAM: A-EE7300
 OUTLINE: A-100141-656

WINDING#: ZT408 NONE 2
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	.37	1800	1725	56C	TEFC	M	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	.95	ACROSS THE LINE	CONTINUOU S	F3	1.15	40	3300

FULL LOAD EFF: 72.1	3/4 LOAD EFF: 68.4	1/2 LOAD EFF: 62.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 53.3	3/4 LOAD PF: 50.2	1/2 LOAD PF: 38.4	64	SQ CAGE IND RUN	.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
1.5 LB-FT	5.6	6.2 LB-FT 413	7.2 LB-FT 480	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	0.05 LB-FT^2	3 LB-FT^2	15 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 12:45:37 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 1/2/2019

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



56T17F5336

Submittal

Data @ 575 V

Motor Load Data

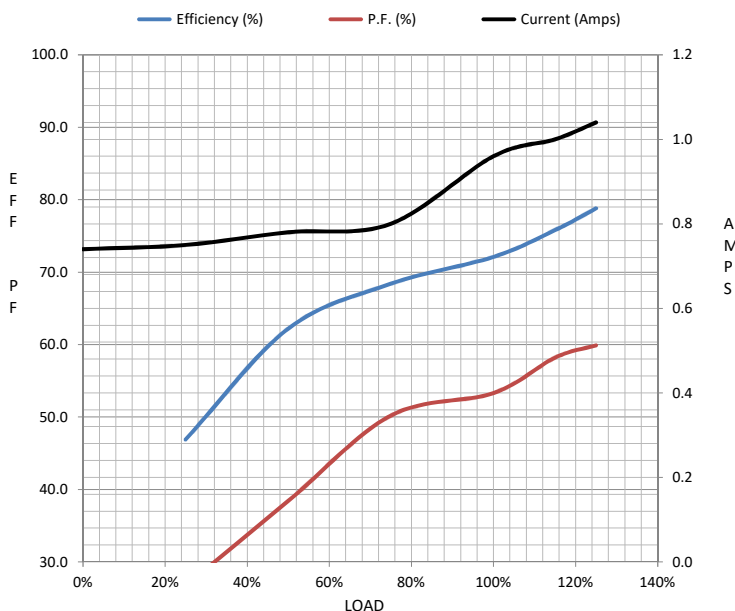
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.74	0.75	0.78	0.80	0.96	1.00	1.04	5.6	
Torque (ft-lb)	0.00	0.37	0.74	1.10	1.50	1.80	2.00	6.2	
RPM	1800	1785	1775	1750	1725	1,722	1720	0	
Efficiency (%)		46.9	62.2	68.4	72.1	75.8	78.8		
P.F. (%)	13.6	26.7	38.4	50.2	53.3	58.2	59.9	82.0	

Motor Speed Data

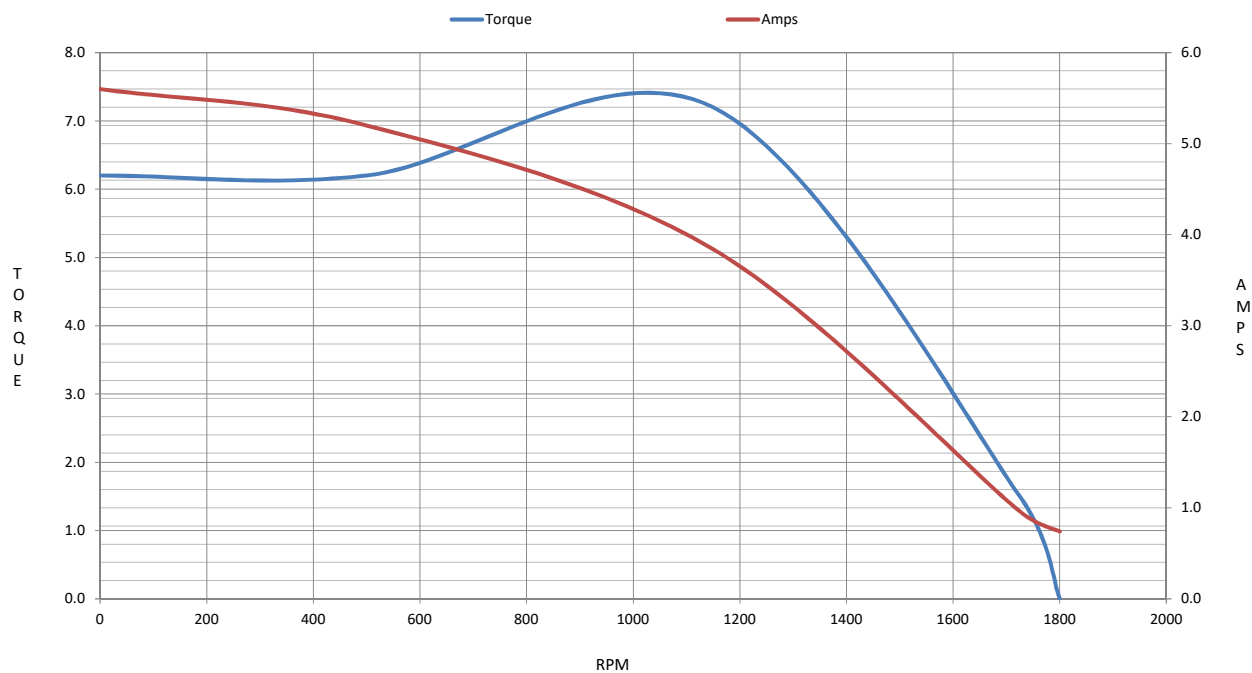
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	500	1150	1725	1800
Current (Amps)	5.6	5.2	3.8	0.96	0.74
Torque (ft-lb)	6.2	6.2	7.2	1.50	0.00

Information Block

HP	0.5			
Sync. RPM	1800			
Frame	56			
Enclosure	TEFC			
Construction	TS			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	45 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	3300 feet			
Rotor/Shaft wk ²	0.05 Lb-Ft ²			
Ref Wdg	ZT408 NONE			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NONE			
Outline Dwg	A-100141-656			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



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 : 056T17F5336

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

Catalog No : K705

Rework No : N/A

Directives :

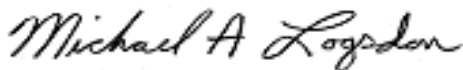
Low Voltage Directive 2014/35/EU

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