

PRODUCT INFORMATION PACKET

Model No: 056T34F5308

Catalog No: G569

General Purpose Motor, 0.50 HP, 3 Ph, 60 Hz, 208-230/460 V, 3600 RPM, 56C Frame, TEFC



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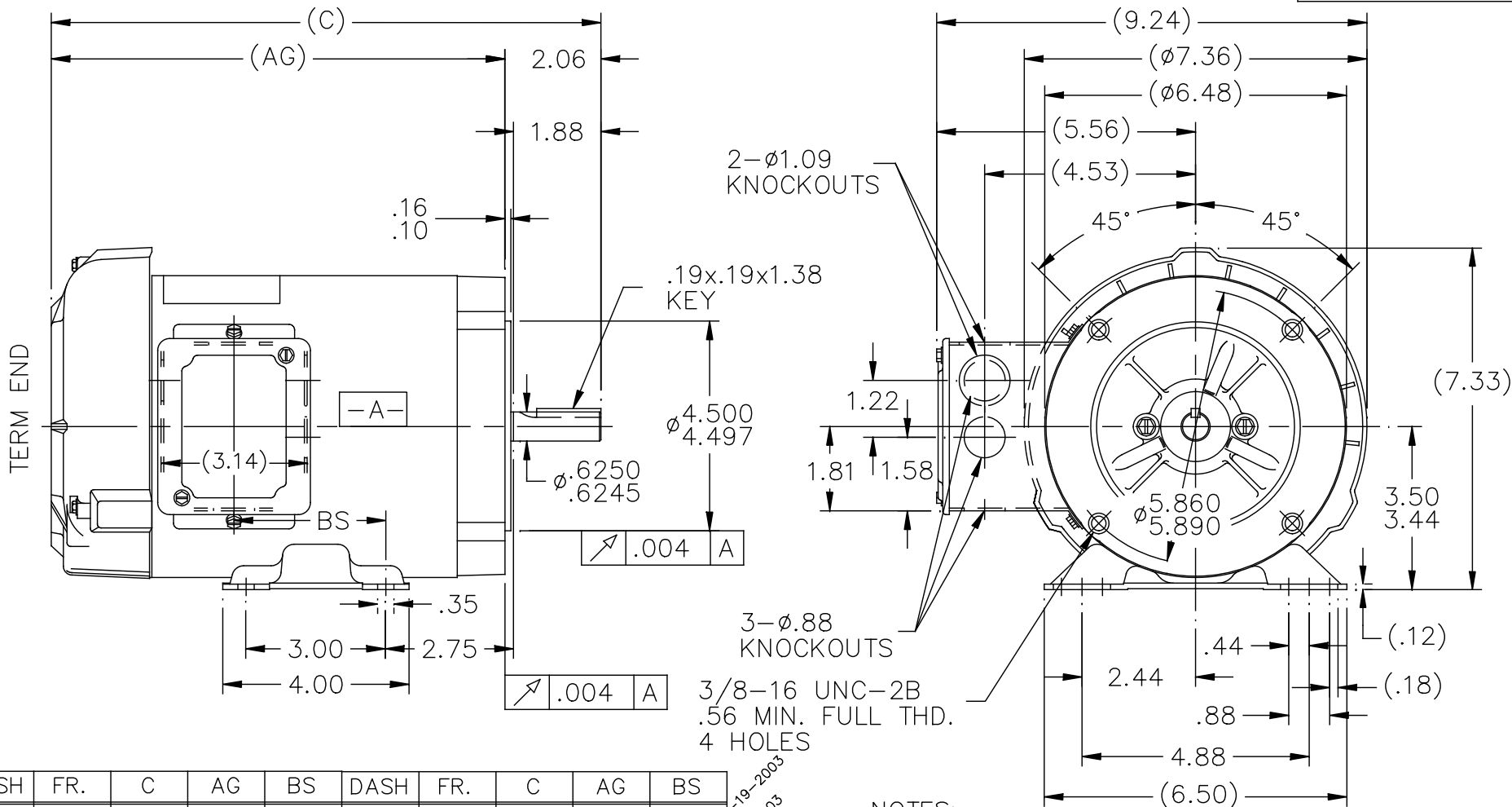
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	2.0-2.2/1.1 A	Speed	3450 rpm
Service Factor	1.25	Phase	3
Efficiency	66 %	Power Factor	69.7
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	P
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
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	Rigid Base
Motor Orientation	Horizontal	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-100110-656

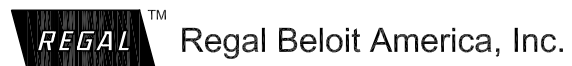
100110



NOTES:
 1. CONDUIT BOX CAN BE ROTATED 180°
 2. NAMEPLATE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FR.	C	AG	BS	DASH	FR.	C	AG	BS
606	56-60	11.31	9.25	2.75	756	56-75	12.81	10.75	4.25
656	56-65	11.81	9.75	3.25	806	56-80	13.31	11.25	4.75
706	56-70	12.31	10.25	3.75	856	56-85	13.81	11.75	5.25

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	
					DEC.	INCHES
5	CHANGED LOGO TO REGAL	SL 04/20/2016	SM	.XX	±.03	
4	AD'D NAMEPLATE LOC. CN 27400-296	BLR 08/05/1999	ML	.XXX	±.005	
3	REDRAWN ON CADD - NO CHANGE 4128208	KL 04/01/1998	ML	.XXXX	±.0005	
					±7'30"	



TITLE OUTLINE
 56 FR. - TEFC - 3ø - C'FACE

DRAWN	KL	02/28/1994
CHK	ML	02/28/1994
APPD	ET	03/02/1994
SCALE	5=16	
REF		
FMF	MU48878	
PREV		

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RFP	CAD FILE	100110	SIZE	DRAWING NO.	PAGE	OF	REV.
DIST	WP		A	100110			5

EE7308

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

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					



CERTIFICATION DATA SHEET

Model#: 56T34F5308 B WINDING#: ZT206 FR 3
 CONN. DIAGRAM: A-EE7308 ASSEMBLY: F1 ONLY
 OUTLINE: A-100110-656

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2&1/3	.37&.25	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&2.0/1. 0	ACROSS THE LINE	CONTINUOU S	B3	1.25/1.15	40	3300

FULL LOAD EFF: 66&62	3/4 LOAD EFF: 64.5	1/2 LOAD EFF: 56.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 69.7&66	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	RIGID	HORIZONTAL	FALSE	NONE	FALSE	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: PROVISIONS FOR KIT NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

** Subject to change without notice.

Data Sheet

Date: 1/3/2019
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



56T34F5308

Submittal

Data @ 460 V

Motor Load Data

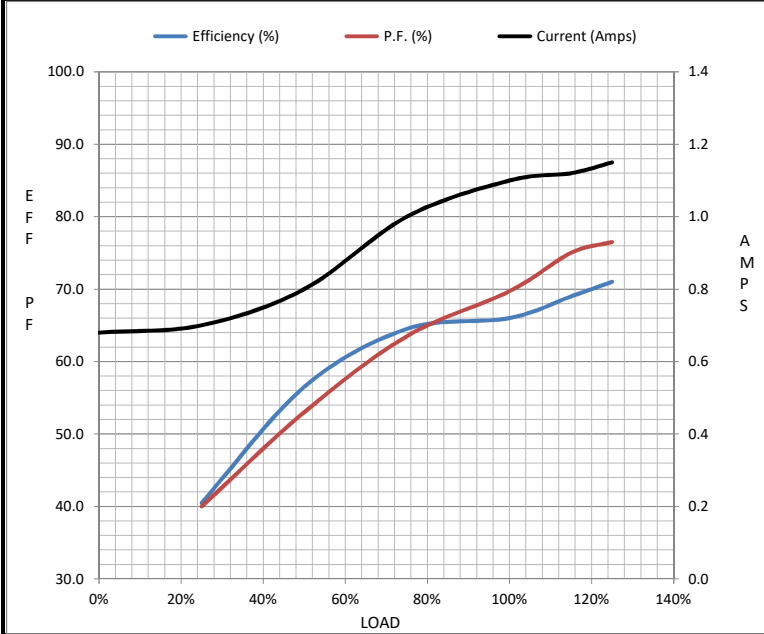
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.68	0.70	0.80	1.00	1.10	1.12	1.15	8.0
Torque (ft-lb)	0.00	0.19	0.37	0.56	0.76	0.90	0.94	3.0
RPM	3600	3573	3555	3520	3450	3,445	3440	0
Efficiency (%)		40.5	56.5	64.5	66.0	69.0	71.0	
P.F. (%)	24.5	40.0	53.0	63.5	69.7	75.0	76.5	76.5

Motor Speed Data

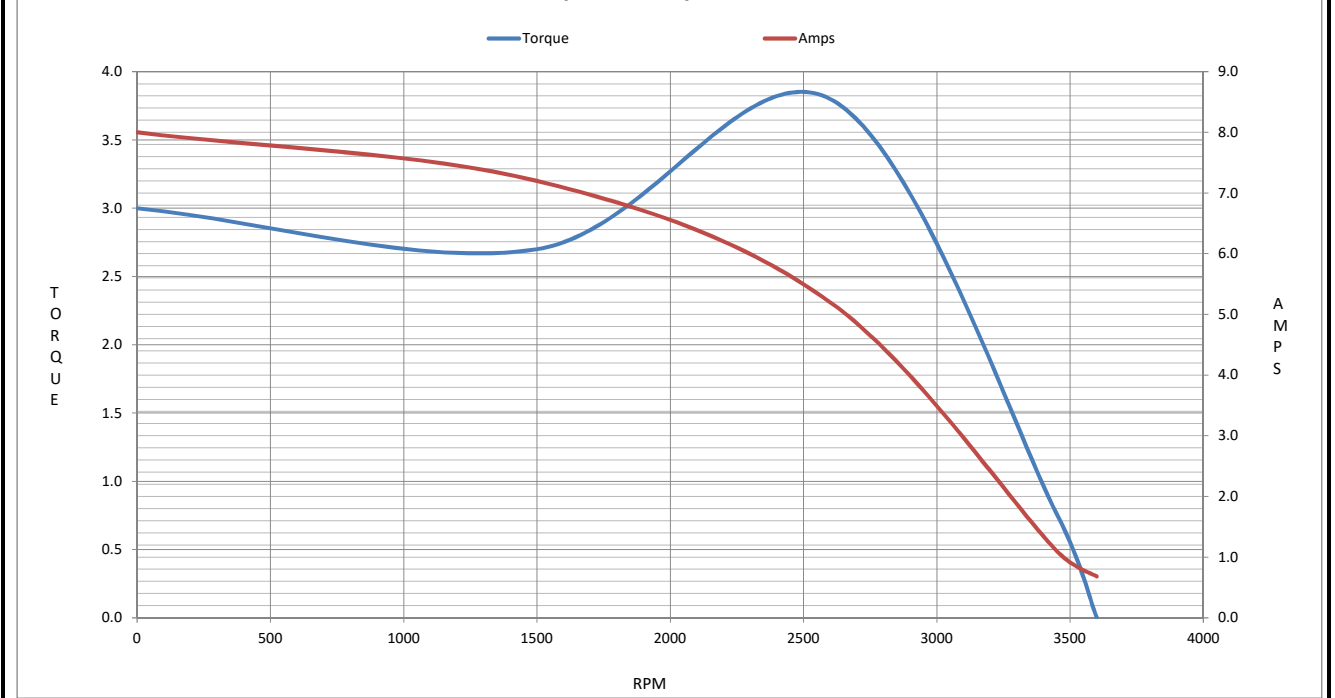
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1500	2600	3450	3600
Current (Amps)	8.0	7.2	5.2	1.10	0.68
Torque (ft-lb)	3.0	2.70	3.8	0.76	0.00

Information Block

HP	0.5			
Sync. RPM	3600			
Frame	56			
Enclosure	TEFC			
Construction	TS			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	P			
Service Factor	1.25			
Temp Rise @ FL	35 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	3300 feet			
Rotor/Shaft wk ²	0.02 Lb-Ft ²			
Ref Wdg	ZT206 FR			
Sound Pressure @ 1M	68 dBA			
VFD Rating	NONE			
Outline Dwg	A-100110-656			
Conn. Diag	A-EE7308			
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 : 056T34F5308

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

Catalog No : G569

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