

PRODUCT INFORMATION PACKET



Model No: 056T34F99012

Catalog No: D395A

General Purpose Motor, 2 & 1.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM,
56HC Frame, TEFC



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Nameplate Specifications

Phase	3	Output HP	2 & 1.50 Hp
Output KW	1.5 & 1.1 kW	Voltage	230/460 & 190/380 V
Speed	3450 & 2850 rpm	Service Factor	1.15 & 1.15
Frame	56HC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	85.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	5/2.5 & 4.6/2.3 A	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

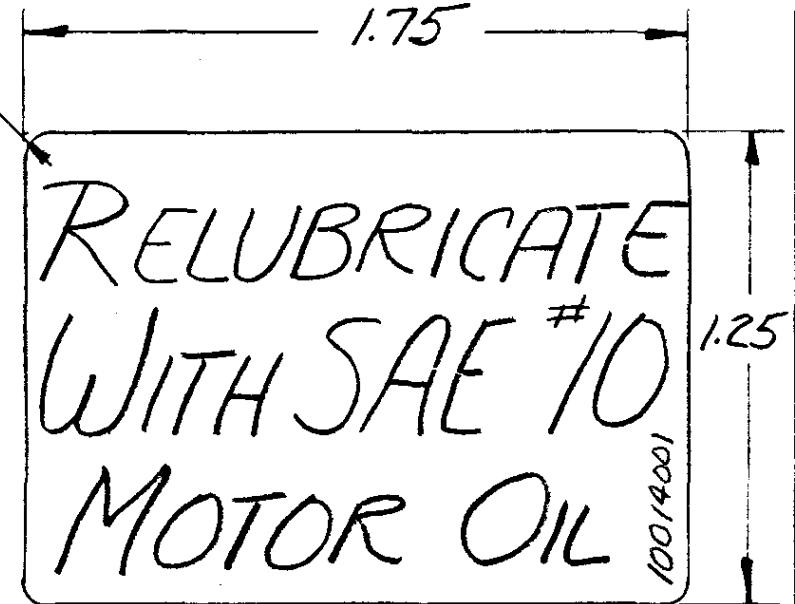
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	7.1 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	9.16 in
Frame Length	9.06 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-100140-906	Connection Drawing	EE7308

NOTE:

- 1) LABEL BACKING TO BE A PROTECTED PERMANENT PRESSURE SENSITIVE ADHESIVE.
- 2) MATERIAL .004 GLAZED WHITE ENAMEL PAPER.
- 3) GOULD BLUE LETTERING ON WHITE BACKGROUND. COLORS MUST MATCH COLOR SAMPLES SUPPLIED WITH ORDER.
- 4) DETAILS ARE NOT TO BE COPIED FROM DRAWING BUT ARE TO BE IDENTICAL WITH ARTWORK SUPPLIED WITH ORDER.

.06 R. TYP.



D/S = 1

REVISIONS

REVISIONS
ISSUED 5 DATED 8-15-63
REVISED LABEL wording
999-111-5053
CHANGED TITLE & CLASS NO.
999-999-94181
KHAN 6-27-75 HUK

APR 8/8
APR 9/25/75
APR 9/11/75
JUN 10/21
JUN 10/21

THIRD
ANGLE
PROJECTION



GOULD CENTURY

Gould Inc., Century Electric Division
St. Louis Missouri 63166

TITLE

9999 LABEL LUBRICATION

DRN. 62735	CKD. ALK	CONT. CODE	DRG. NO.	SIZE	CLASS NO.
khall	7-1-75	4	100140	C	0111
APPD.	SCALE				
	2 to 1				



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		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		SCALE	1=1
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		REF	
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		FMF	
					±7'30"		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 ee7308	SIZE	DRAWING NO. PAGE OF REV.
					DIST WP		A	EE7308 5



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 #: 56T34F99012
CONN. DIAGRAM: EE7308 CAT #: D395A
OUTLINE: A-100140-906 CUSTOMER PART #: _____
WINDING: ZT2142 FR 3 MOUNTING: F1 ONLY
SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
2	1.5	3600	3500	56HC	TEFC	TFR	K	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	5/2.5&4.6/2.3	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	85.5	3/4 LD EFF	85.9	1/2 LD EFF	84.0	GTD EFF	84.0	ELECT. TYPE	SQ CAGE IND RUN
F.L. PF	86.0	3/4 LD PF	82.0	1/2 LD PF	72.5				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)	
3.0 LB-FT	21.7	9.5 LB-FT 317%	12.2 LB-FT 407%	36	

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
69 dBA	78 dBA	0.07 LB-FT²	4 LB-FT²	20 SEC.	2	80 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	BOLT-ON	ZONTAL OR UP OR D	NO	NONE	YES	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6205	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
4.402	3.124	6.532	5.538	208.74	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	BRAKE: NONE
DATE: 8/21/2018	NONE NONE
	FT-LB: NA
	VOLTAGE: NONE HZ:
FORM: 3531 REV_4 2/27/06	UL: V-INS, CONST UL REC

Data Sheet

Date: 12/12/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



56T34F99012

Submittal

Data @ 460 V

Motor Load Data

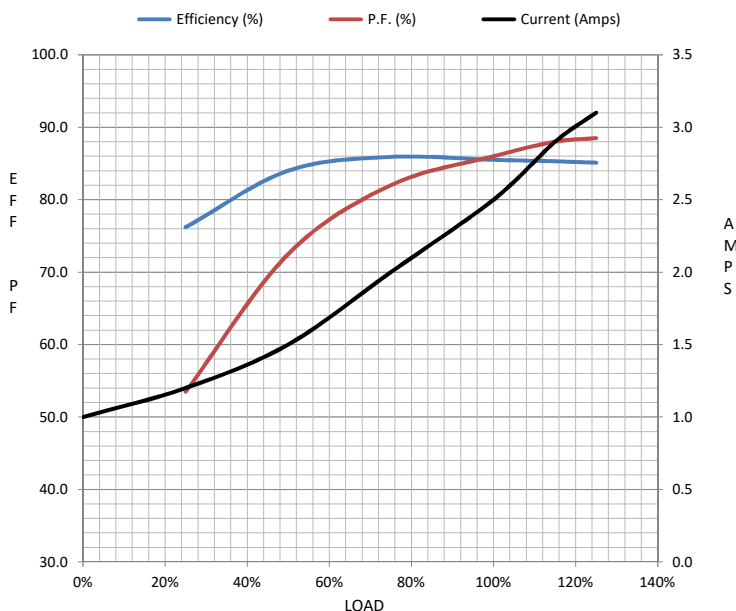
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.00	1.20	1.50	2.00	2.50	2.90	3.1	21.7	
Torque (ft-lb)	0.00	0.74	1.48	2.23	3.0	3.5	3.8	9.5	
RPM	3600	3575	3550	3525	3500	3,485	3470	0	
Efficiency (%)		76.2	84.0	85.9	85.5	85.3	85.1		
P.F. (%)	20.0	53.5	72.5	82.0	86.0	88.0	88.5	42.0	

Motor Speed Data

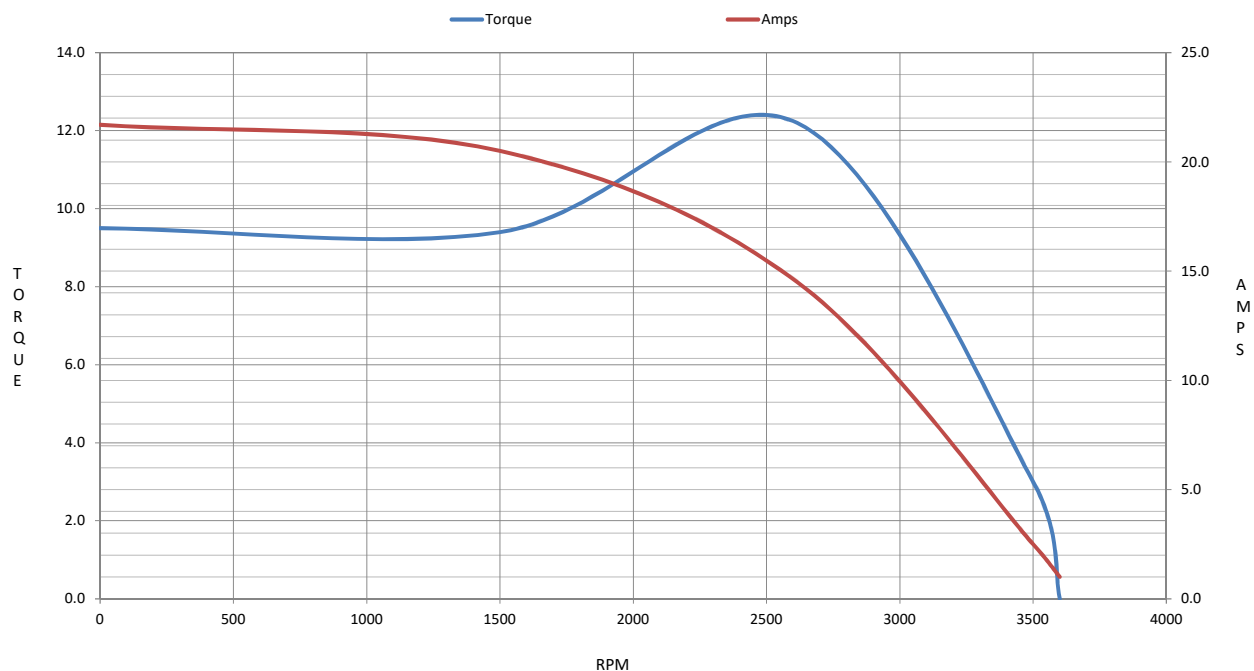
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1500	2615	3500	3600
Current (Amps)	21.7	20.5	14.5	2.50	1.00
Torque (ft-lb)	9.5	9.4	12.2	3.0	0.00

Information Block

HP	2.0			
Sync. RPM	3600			
Frame	56H			
Enclosure	TEFC			
Construction	TS			
Voltage	230/460#190/380	V		
Frequency	60	Hz		
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	36	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.07	Lb-Ft²		
Ref Wdg	ZT2142 FR			
Sound Pressure @ 1M	69	dBA		
VFD Rating	NONE			
Outline Dwg	A-100140-906			
Conn. Diag	EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
4.4020	3.1240	6.5320	5.5380	208.7400



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 : 056T34F99012

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

Catalog No : D395A

Rework No : N/A

Directives :

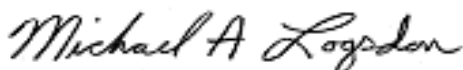
Low Voltage Directive 2014/35/EU

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