

PRODUCT INFORMATION PACKET



Model No: 056T34F15593

Catalog No: K725A

General Purpose Motor, 3 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 56HC Frame, TEFC



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Nameplate Specifications

Phase	3	Output HP	3 Hp
Output KW	2.2 kW	Voltage	575 V
Speed	3450 rpm	Service Factor	1.15
Frame	56HC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	87.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	3.1 A	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	M
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

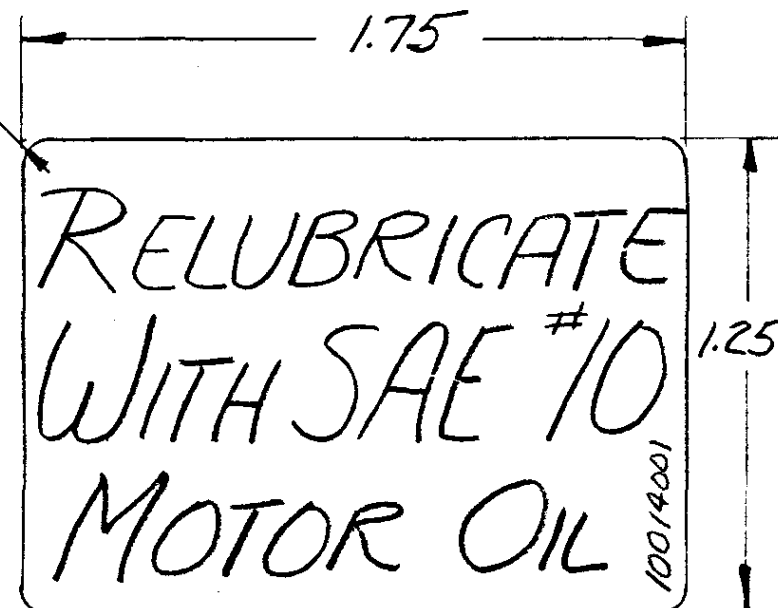
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	4.04 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	14.31 in
Frame Length	9.06 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	EE7300	Outline Drawing	A-100140-906

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
9999-111-50853
CHANGED TITLE & CLASS NO.
9999-999-94181
KHAN 6-27-75 HUK

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

THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

IF MOTOR HAS 9 LEADS

T1(U1) T1(U1) T1(U1) → L1

T2(V1) T2(V1) T2(V1) → L2

T3(W1) T3(W1) T3(W1) → L3

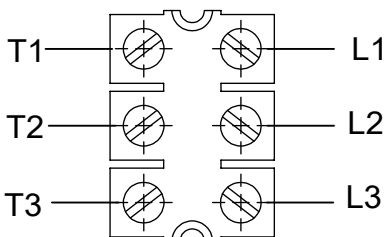
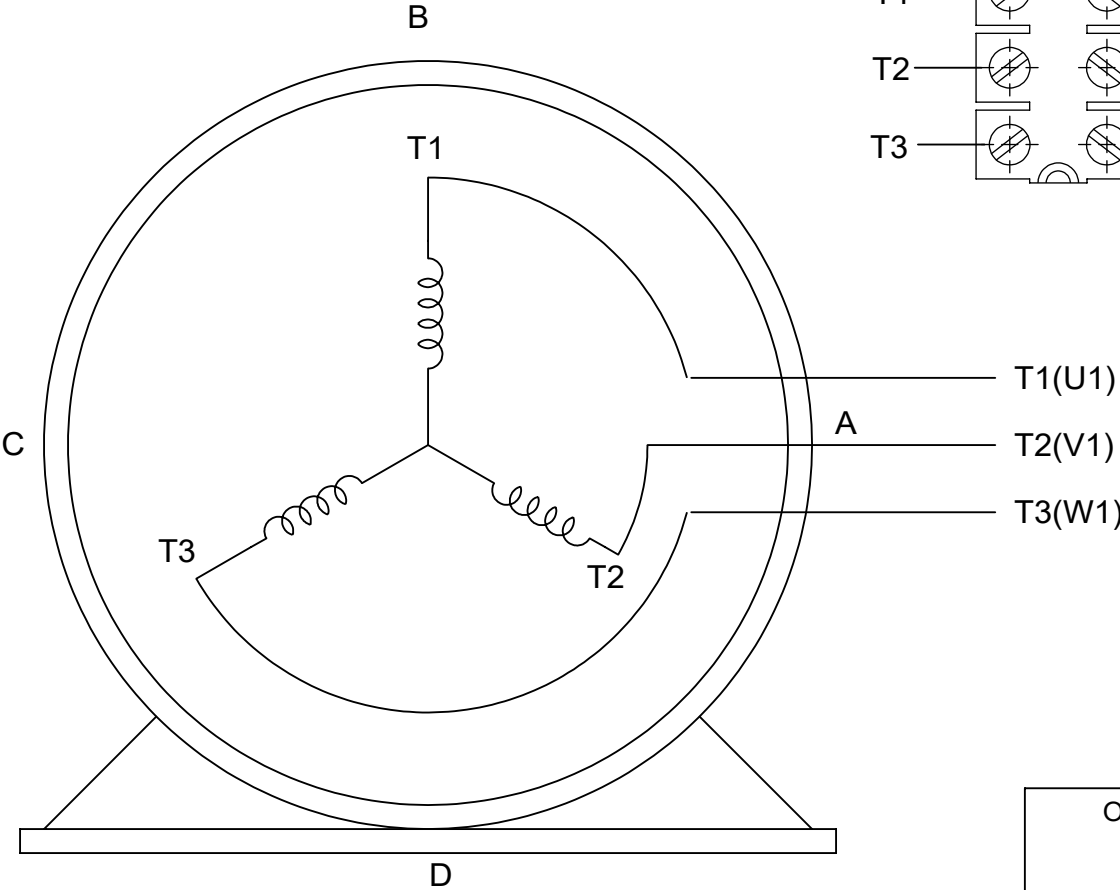
IF MOTOR HAS 6 LEADS

T1(U1) T1(U1) → L1

T2(V1) T2(V1) → L2

T3(W1) T3(W1) → L3

A-9806 DECAL



VIEW OF TERMINAL END

OPTIONAL CORD CONNECTION	
L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION AC		REVISION BY BS		REV DATE/© DATE 26/07/2022		DRAWN BY DA		 Regal Beloit America, Inc.	
REQUEST NUMBER CR-0010402		APPROVED BY SN		DATE 26/07/2022		DATE 03-26-1993			
REQUEST NUMBER DESCRIPTION DRAWING UPDATED						PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY			
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APPROVED BY TB		DATE 03-26-1993		REFERENCE		MATERIAL		PROCESS/FINISH	
THIRD ANGLE PROJECTION				SIZE A		DRAWING NUMBER EE7300		SHEET 1 OF 1	
						DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR			

CERTIFICATION DATA SHEET

Model#: 56T34F15593 A

WINDING#: ZT2175 FR 2

CONN. DIAGRAM: EE7300

ASSEMBLY: F1 ONLY

OUTLINE: A-100140-906

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	3600	3450	56HC	TEFC	M	A

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	3.05	ACROSS THE LINE	CONTINUOU S	F3	1.15	40	3300

FULL LOAD EFF: 87.5	3/4 LOAD EFF: 87.9	1/2 LOAD EFF: 85.8	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 84	3/4 LOAD PF: 78.4	1/2 LOAD PF: 67.3	85.5	SQ CAGE IND RUN	1.4

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	29.5	17.29 LB-FT 384	22.7 LB-FT 504	57

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	0.045 LB-FT^2	5 LB-FT^2	10 SEC.	2	43.6 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						
6205	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 07:48:43 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 1/3/2019

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



56T34F15593

Submittal

Data @ 575 V

Motor Load Data

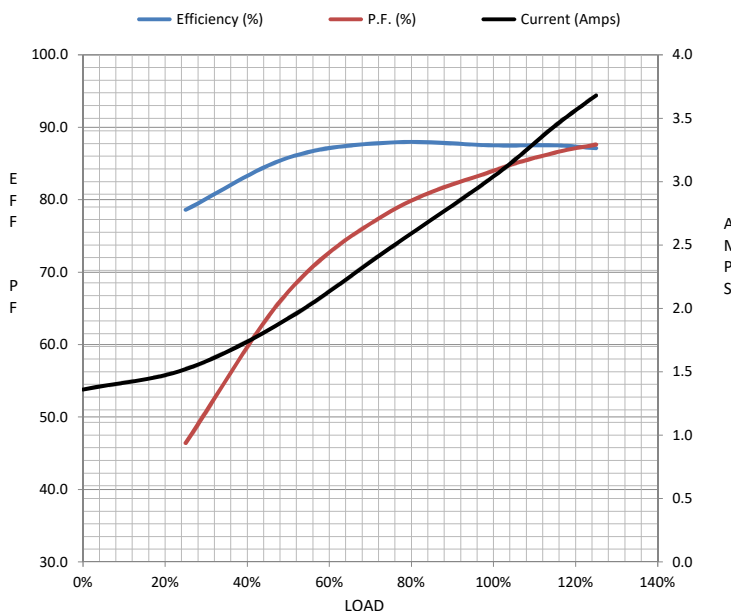
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.36	1.52	1.92	2.48	3.0	3.4	3.7	29.5	
Torque (ft-lb)	0.00	1.10	2.22	3.4	4.5	5.2	5.7	17.3	
RPM	3600	3577	3555	3530	3505	3485	3475	0	
Efficiency (%)		78.6	85.8	87.9	87.5	87.5	87.1		
P.F. (%)	11.0	46.4	67.3	78.4	84.0	86.5	87.6	71.5	

Motor Speed Data

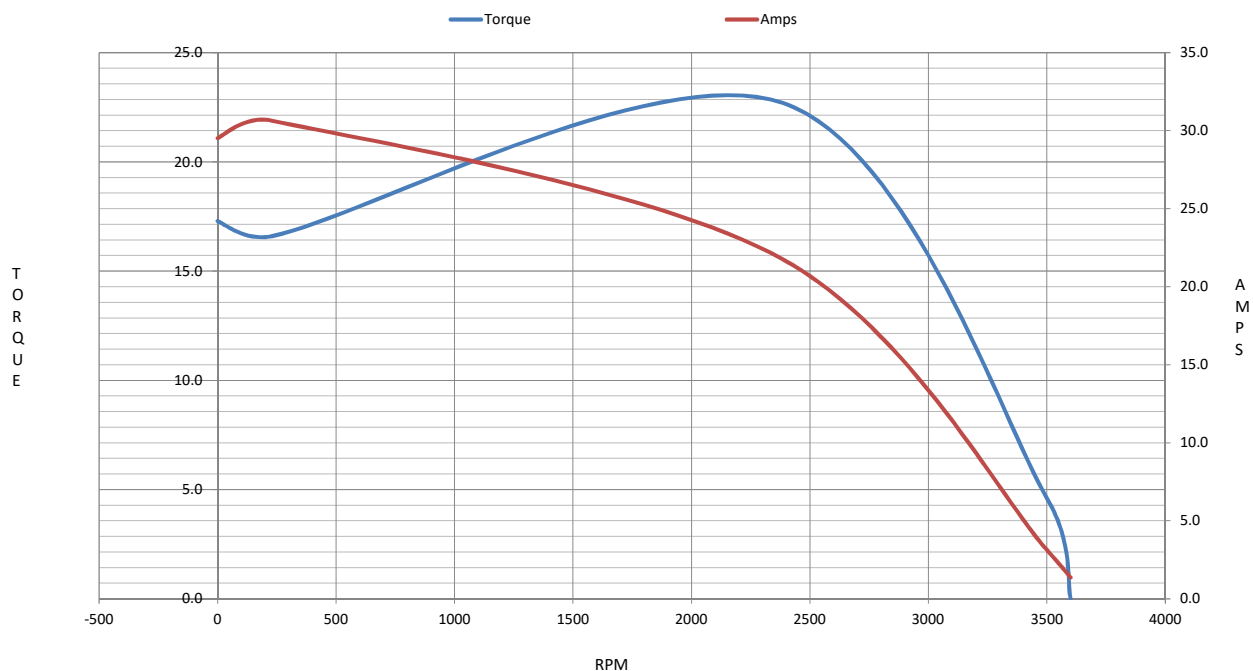
	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	230	2385	3505	3600
Current (Amps)	29.5	30.6	21.8	3.0	1.36
Torque (ft-lb)	17.3	16.6	22.7	4.5	0.00

Information Block

HP	3.0			
Sync. RPM	3600			
Frame	56			
Enclosure	TEFC			
Construction	TS			
Voltage	575 V			
Frequency	60 Hz			
Design	A			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	57 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	3300 feet			
Rotor/Shaft wk ²	0.05 Lb-Ft ²			
Ref Wdg	ZT2175 FR			
Sound Pressure @ 1M	68 dBA			
VFD Rating	NONE			
Outline Dwg	A-100140-906			
Conn. Diag	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 : 056T34F15593

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

Catalog No : K725A

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