PRODUCT INFORMATION PACKET

Model No: 056T34F99023
Catalog No: KG234A
1,3600,TEFC,56J,3/60/230/460
Jet Pump

Product Information Packet: Model No: 056T34F99023, Catalog No:KG234A 1,3600,TEFC,56J,3/60/230/460

Nameplate Specifications

Output HP	**1 Hp**	Output KW	**0.75 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**3.0/1.5 A**	Speed	**3450 rpm**
Service Factor	**1.4**	Phase	**3**
Efficiency	**78.5 %**	Duty	**Continuous**
Insulation Class	**B**	Design Code	**B**
KVA Code	**J**	Frame	**56J**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6203**
Opp Drive End Bearing Size	**6203**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**43**		

Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**2**	Rotation	**Reversible**
Mounting	**Round**	Motor Orientation	**HORIZONTAL**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**Rolled Steel**	Shaft Type	**J**
Overall Length	**12.32 in**	Frame Length	**6.56 in**
Shaft Diameter	**0.625 in**	Shaft Extension	**2.57 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**A-100352-656**	Connection Diagram	**EE7308**

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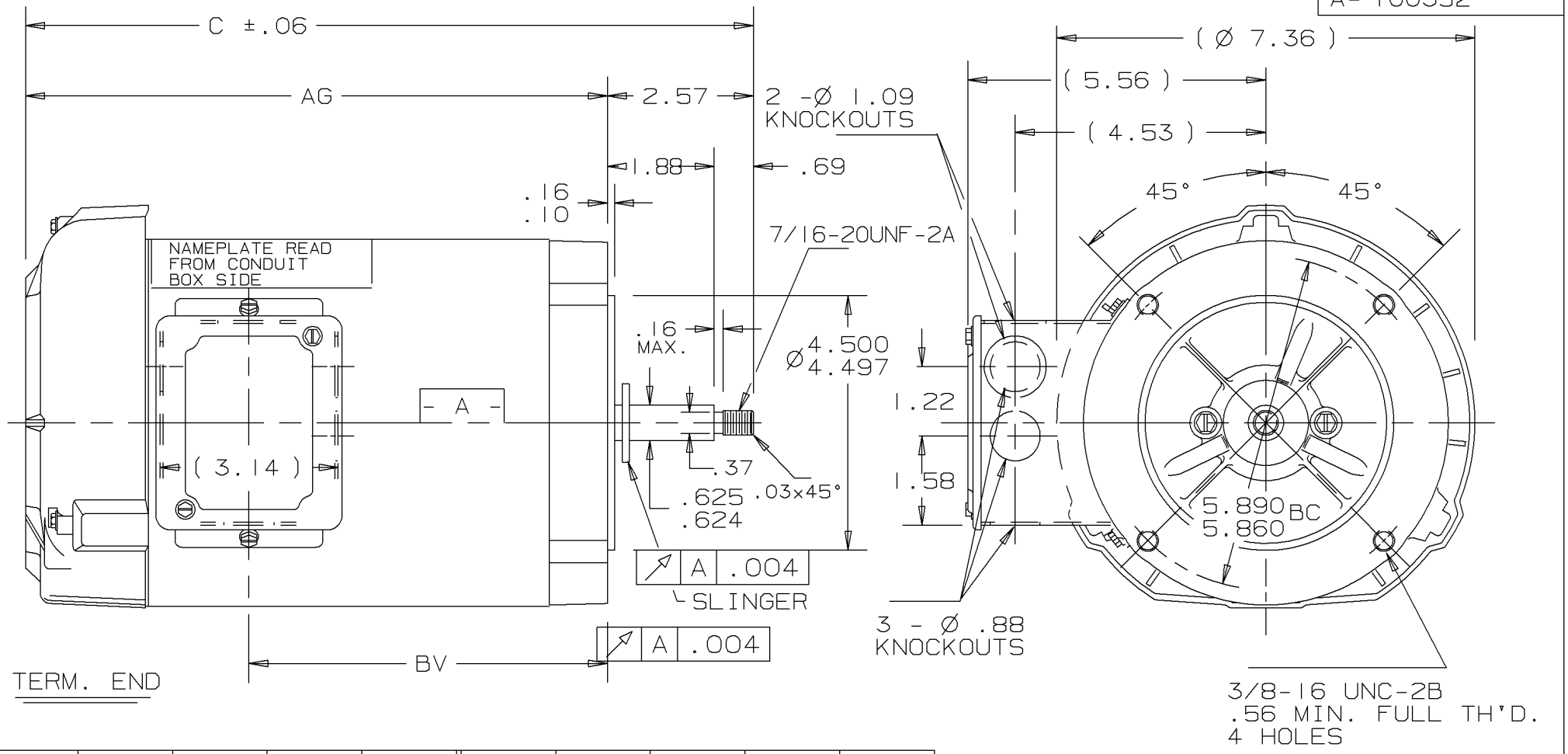
A- 100352



DASH	FR.	C	AG	BV	DASH	FR.	C	AG	BV
606	56-60	11.82	9.25	5.31	806	56-80	13.82	11.25	7.31
656	"-65	12.32	9.75	5.81	856	"-85	14.32	11.75	7.81
706	"-70	12.82	10.25	6.31	906	"-90	14.82	12.25	8.31
756	"-75	13.32	10.75	6.81	956	"-95	15.32	12.75	8.81

NOTES:
CONDUIT BOX CAN BE ROTATED 180°

REV	DATE	CHANGE	NAME
2	3-20-90	REISSUE SLINGER ADDED	GK
1	10-2-89	NEW DRAWING	GK

125 SURFACE ROUGHNESS UNLESS NOTED OTHERWISE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOL ON XX±.03 XXX±.005 XXXX±.0005 ANGLES± 1°

MATL SPEC

FINISH

NEMA JET PUMP

MARATHON ELECTRIC
WAUSAU, WISCONSIN 54401

DRAWN BY GK 10-2-89
CHKD BY
APPD BY

PART NAME OUTLINE
56 FR - BB - TEFC - C-FACE - 3Ø

DRWG NO A- 100352

8/24/2007 1:51:18 PM -

THREE PHASE DUAL VOLTAGE MOTOR

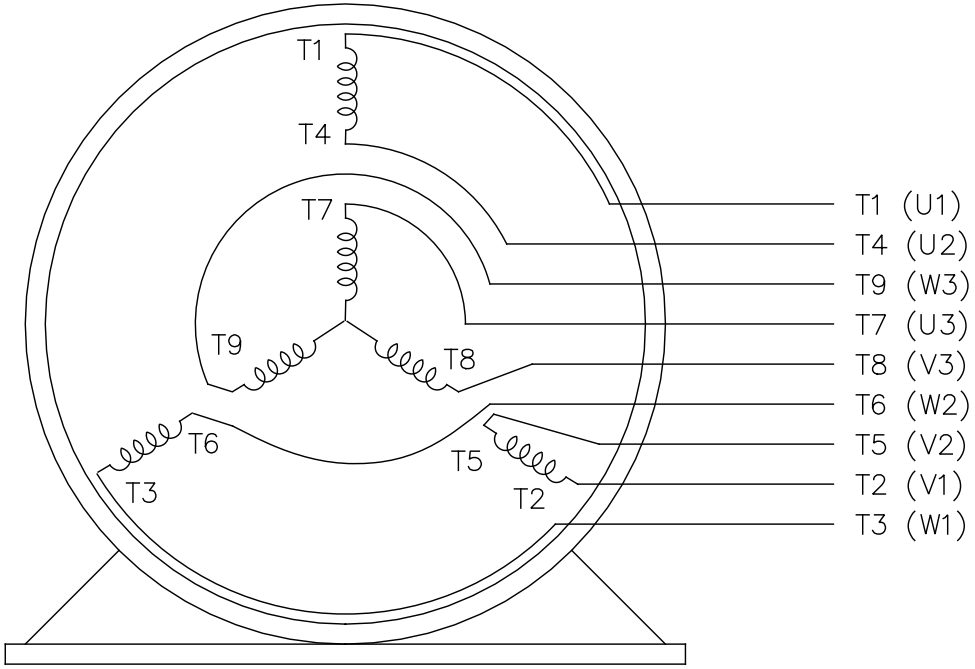
EE7308

HIGH VOLTAGE

(U1) T1 — L1
(V1) T2 — L2
(W1) T3 — L3
(U2) T4
(U3) T7
(V2) T5
(V3) T8
(W2) T6
(W3) T9

LOW VOLTAGE

(U1) T1
(U3) T7 — L1
(V1) T2
(V3) T8 — L2
(W1) T3
(W3) T9 — L3
(U2) T4
(V2) T5
(W2) T6



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
5	CHG TO REGAL LOGO	SL 09/10/2015	AB
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS
1	REDRAWN	RM 11/20/1990	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.02
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

Regal Beloit America, Inc.

TITLE CONNECTION DIAGRAM
3ø – DUAL VOLTAGE MOTOR

MAT'L.
FINISH
CAD FILE ee7308
RFP
DIST WP

DRAWN RM	11/20/1990
CHK ML	11/21/1990
APPD SAS	04/24/2003
SCALE	1=1
REF	
FMF	
PREV	

SIZE A | DRAWING NO. EE7308 | PAGE OF | REV. 5

P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: EE7308
OUTLINE: A-100352-656
WINDING: ZT2107 R4 3
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 56T34F99023
CAT #: KG234A
CUSTOMER PART #:
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
1	0.75	3600	3485	56J	TEFC	TFR	J	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	3/1.5&2.6/1.3	ACROSS THE LINE	CONT	B	1.15	40	3300

F.L. EFF	78.5	3/4 LD EFF	79.4	1/2 LD EFF	73.9	GTD EFF	ELECT. TYPE
F.L. PF	79.1	3/4 LD PF	75.8	1/2 LD PF	64.0	72.0	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
1.50 LB-FT	10.0	3.2 LB-FT 213%	4.8 LB-FT 320%	45

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
68 dBA	77 dBA	0.02 LB-FT²	2 LB-FT²	10 SEC.	2	22 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	NO	NONE	NO	NONE	GRAY (POWDER)

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 6203	BALL 6203	POLYREX EM	JET PUMP	NONE	NONE	416 STAINLESS (C-503)	ROLLED STEEL

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
12.07	6.362	17.324	11.246	349.32	0.150	ODE

*
NOTES
*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE
NONE NONE PPR

BRAKE: NONE
NONE NONE
FT-LB: NA
VOLTAGE: NONE HZ:

PREPARED BY: FAREEDA DUDEKULA
DATE: 9/17/2018

FORM: 3531 REV_4 2/27/06

UL: V-INS, CONST UL REC

Data Sheet

Date: 9/17/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

56T34F99023

Submittal

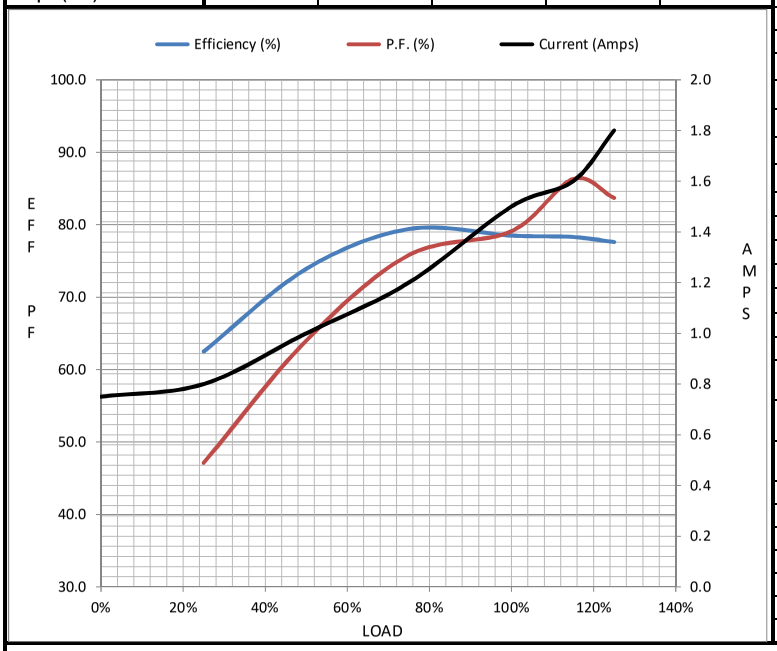
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.75	0.80	1.00	1.20	1.50	1.60	1.80	10.0	
Torque (ft-lb)	0.00	0.37	0.75	1.15	1.50	1.75	1.90	3.2	
RPM	3600	3569	3540	3525	3485	3,465	3450	0	
Efficiency (%)		62.5	73.9	79.4	78.5	78.3	77.6		
P.F. (%)	20.1	47.1	64.0	75.8	79.1	86.3	83.7	64.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1500	2750	3485	3600
Current (Amps)	10.0	9.5	5.9	1.50	0.75
Torque (ft-lb)	3.2	2.80	4.8	1.50	0.00



Information Block

HP	1.0	
Sync. RPM	3600	
Frame	56182TTFC6080	
Enclosure	TEFC	
Construction	TFR	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	J	
Service Factor	1.15	
Temp Rise @ FL	45	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.02	Lb-Ft²
Ref Wdg	ZT2107 R4	
Sound Pressure @ 1M	68	dBA
VFD Rating	NONE	
Outline Dwg	A-100352-656	
Conn. Diag	EE7308	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
12.0700	6.3620	17.3240	11.2460	349.3200