PRODUCT INFORMATION PACKET

Model No: 444TTGN16533
Catalog No: U036A
1.0 HP, 100 V

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Nameplate Specifications

Output HP	**1.0 Hp**	Voltage	**100 V**
UL	**Y**		

Technical Specifications

Shaft Diameter	**10.000 in**		
Connection Drawing	**A-EE7300S**	Outline Drawing	**B-SS515577-1825**

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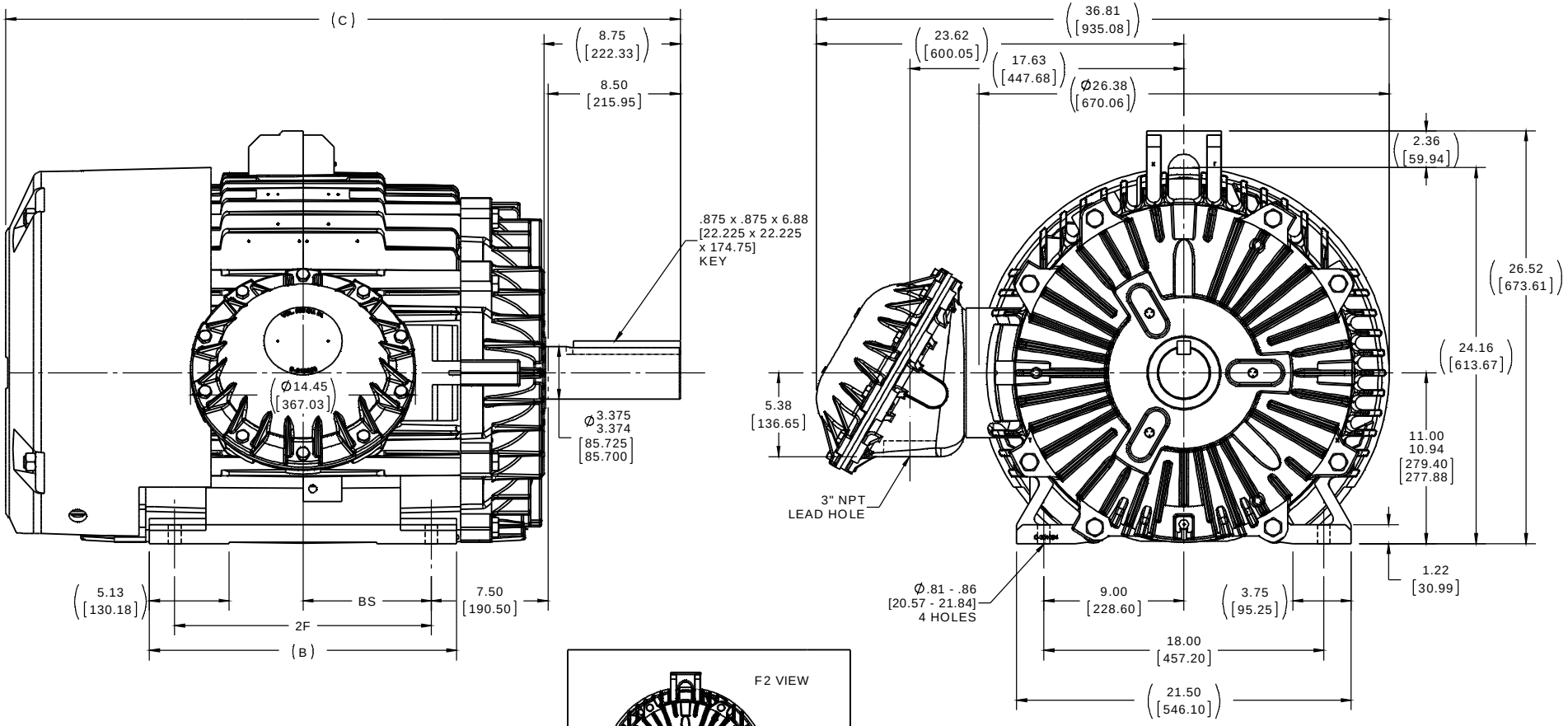

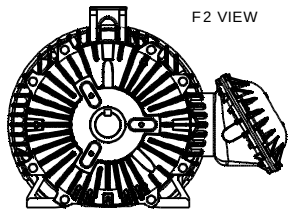

NOTES:
1. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	2F	BS	
1825	444T	17.75 [450.85]	41.35 [1050.29]	14.50 [368.30]	7.25 [184.15]	
2025	445T	19.75 [501.65]	43.35 [1101.09]	16.50 [419.10]	8.25 [209.55]	

DRAWING REVISION: E	REVISION BY: JHA	DATE: 03-02-2015
ECO: ECO-0072728	APPROVED BY: TDB	DATE: 03-03-2015
ECO DESCRIPTION: UPDATED TO CURRENT STANDARDS		

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7' 30"
.XX	±0.03	[±0.76]	
XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 200 INCH / 5.1 mm
mm SHOWN IN [BRACKETS]

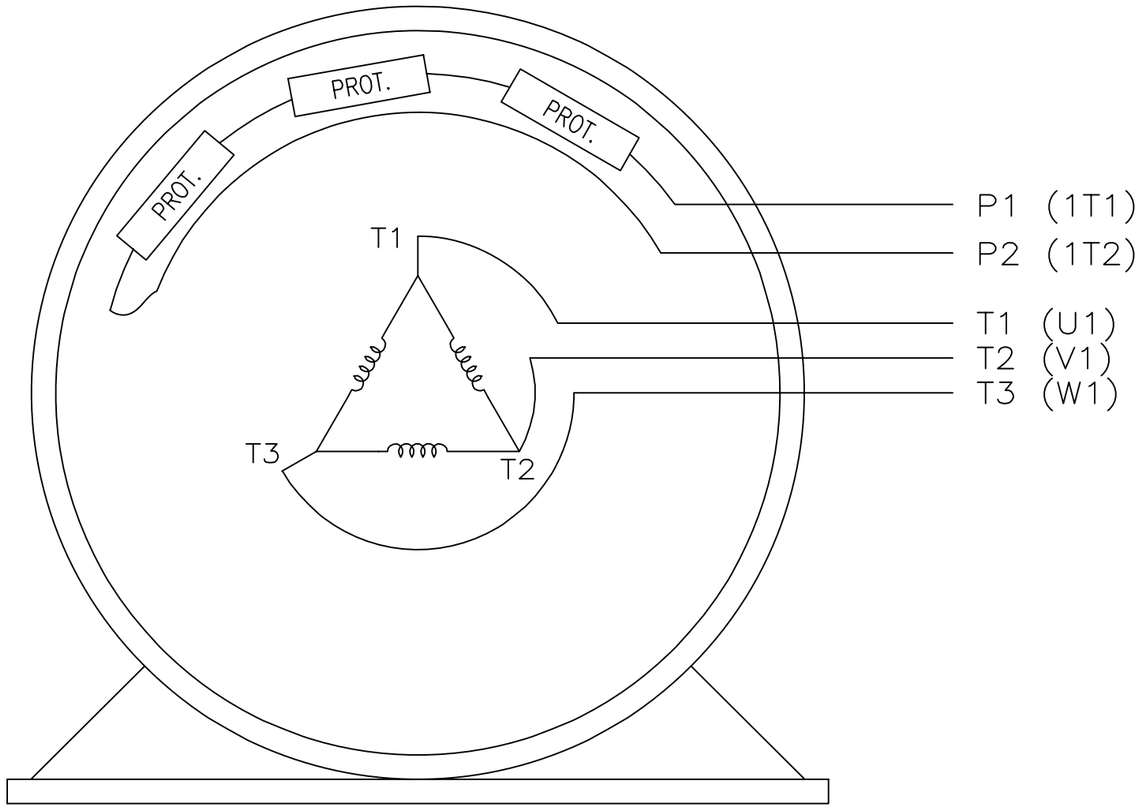
DRAWN BY: SMC		
DATE: 04-15-1996		
APPROVED BY: JPN	DESCRIPTION: OUTLINE 444/445T FR. - EXPLOSION PROOF	
DATE: 04-19-1996		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B	DRAWING NUMBER: SS515577
		SHEET: 1 OF 1

Regal Beloit America, Inc.

EE7300S

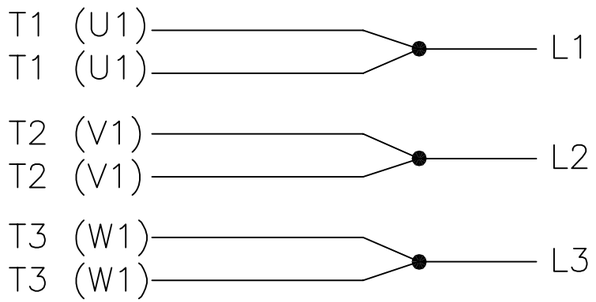
THREE PHASE – SINGLE VOLTAGE MOTOR

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS



VIEW OF TERMINAL END

IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S



A–9806 DECAL

NO.	REVISION	BY & DATE	CHK
F	UPDATED TITLE BLOCK	HV 02-27-2014	EWH
3	REMOVED "N.C." FROM PROT.'S MU61770	JJB 08-02-2010	
2	ADDED IEC MARKINGS MU61770	KL 09-16-2004	EAB
1	NEW DRAWING	KL 12-16-1999	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	± –
.XX	± –
.XXX	± –
.XXXX	± –
ANG	± –

REGAL BELOIT REGAL-BELOIT CORPORATION

TITLE CONNECTION DIAGRAM – EXTERNAL
SINGLE VOLTAGE 3Ø MOTOR

MAT'L.

FINISH

CAD FILE ee7300s

RFP

DIST WA–LB–SB

DRAWN	KL 12–15–1999
CHK	DJK 12–15–1999
APPD	DJK 12–15–1999
SCALE	1=1
REF	
FMF	
PREV	

SIZE A | DRAWING NO. EE7300S | PAGE OF | REV. F

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CERTIFICATION DATA SHEET

Model#:	444TTGN16533 AA	**WINDING#:**	T444484 NONE 1
CONN. DIAGRAM:	A-EE7300S	**ASSEMBLY:**	F1 ONLY
OUTLINE:	B-SS515577-1825		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
125	93	1800	1785	444T	EPFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	114	LINE OR INVERTER	CONTINUOUS	F1	1.15	40	3300

FULL LOAD EFF: 95.8	3/4 LOAD EFF: 95.8	1/2 LOAD EFF: 95.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 86	3/4 LOAD PF: 85	1/2 LOAD PF: 79	95.4	SQ CAGE INV RATED	32

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
368 LB-FT	680	480 LB-FT 130	850 LB-FT 231	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	47 LB-FT^2	- LB-FT^2	25 SEC.	2	1950 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	EXP PROOF CL I GR C&D CL II GR F&G T3B	FALSE	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6318	BALL 6316	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 2:1
INV. HP SPEED RANGE: 1.5 X BASE SPEED

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
- FT-LB NONE V NONE Hz

* NOTES *

DATE: 06/21/2017 04:38:41 AM
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Data Sheet

Date: 29-06-2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

444TTGN16533

Submittal

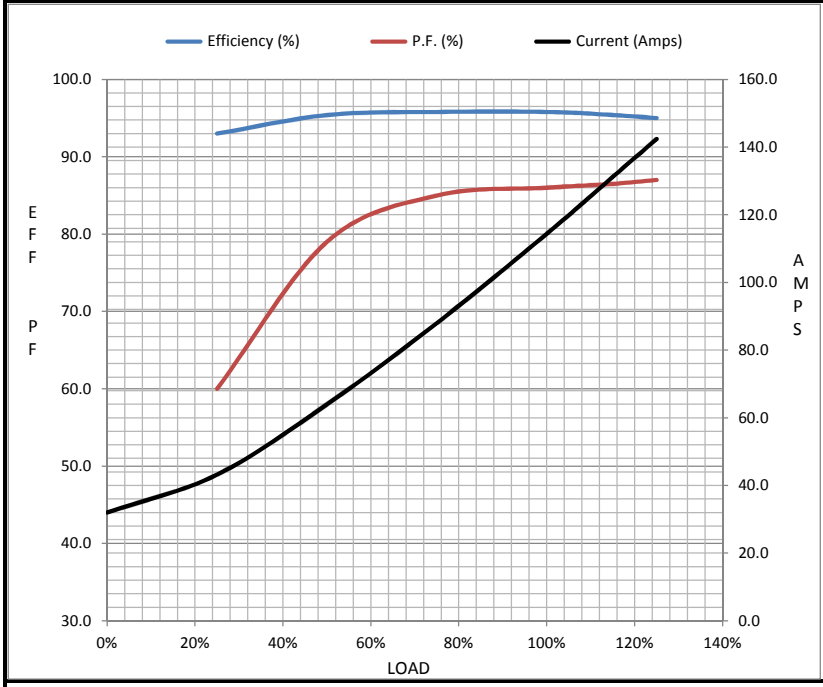
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	32.0	43.2	64.0	88.0	114	131	142	680	
Torque (ft-lb)	0.00	91.5	183	275	368	425	462	480	
RPM	1800	1795	1792	1790	1785	1,780	1778	0	
Efficiency (%)		93.0	95.4	95.8	95.8	95.4	95.0		
P.F. (%)	5.5	60.0	79.0	85.0	86.0	86.5	87.0	26.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1725	1785	1800
Current (Amps)	680	600	460	114	32.0
Torque (ft-lb)	480	450	850	368	0.00



Information Block

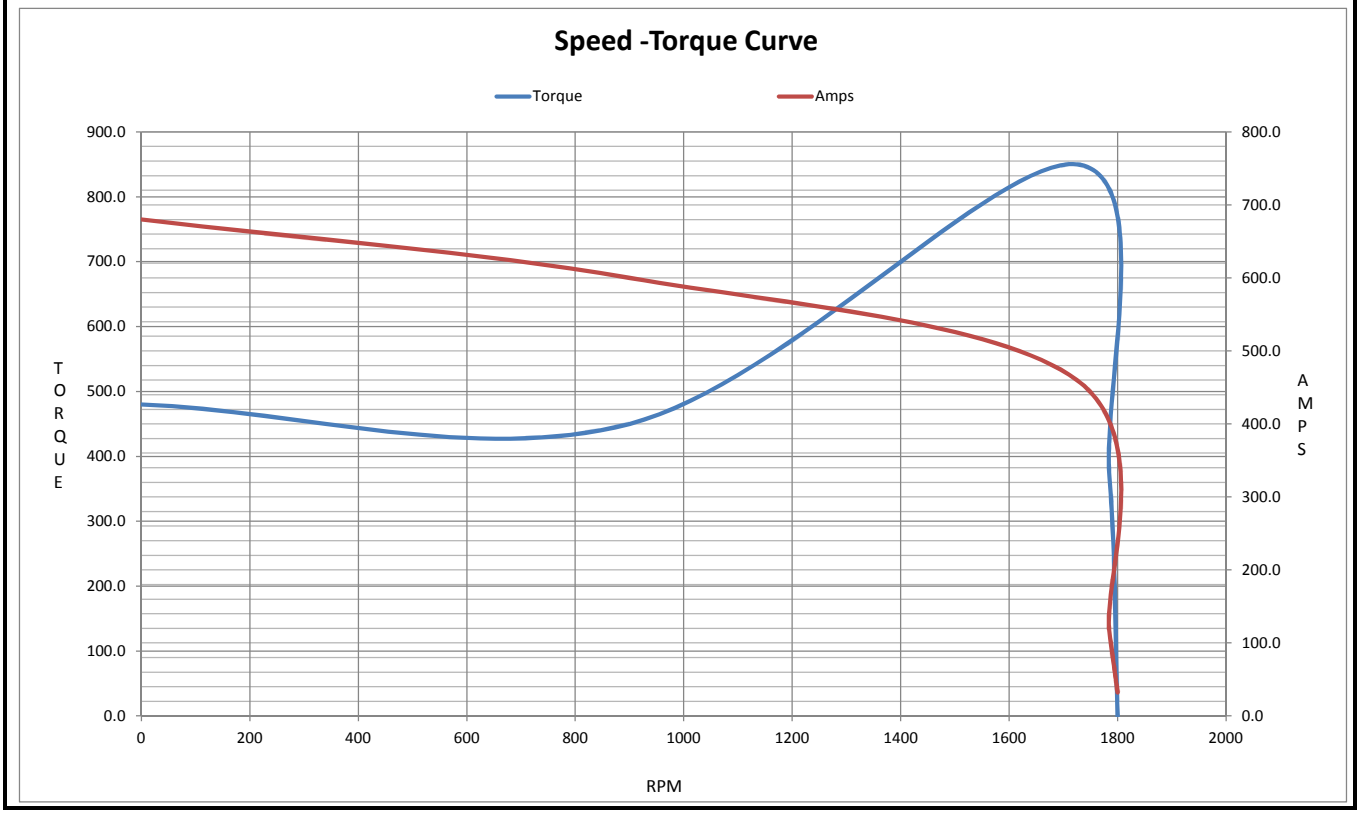
HP	125.0
Sync. RPM	1800
Frame	444
Enclosure	TEFC
Construction	TFN
Voltage	575 V
Frequency	60 Hz
Design	B
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	65 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	47.0 Lb-Ft²
Ref Wdg	T444484 NONE
Sound Pressure @ 1M	75 dBA
VFD Rating	CONSTANT 2:1
Outline Dwg	B-SS515577-1825
Conn. Diag	A-EE7300S

Additional Specifications:

0

365THFS8036

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0440	0.0250	0.3550	0.3250	9.5060

Speed -Torque Curve