

PRODUCT INFORMATION PACKET

Model No: 444TTFN16001
Catalog No: M924B
125,3600,TEFC,444HPV,3/60/460
Vertical Solid Shaft P-Base



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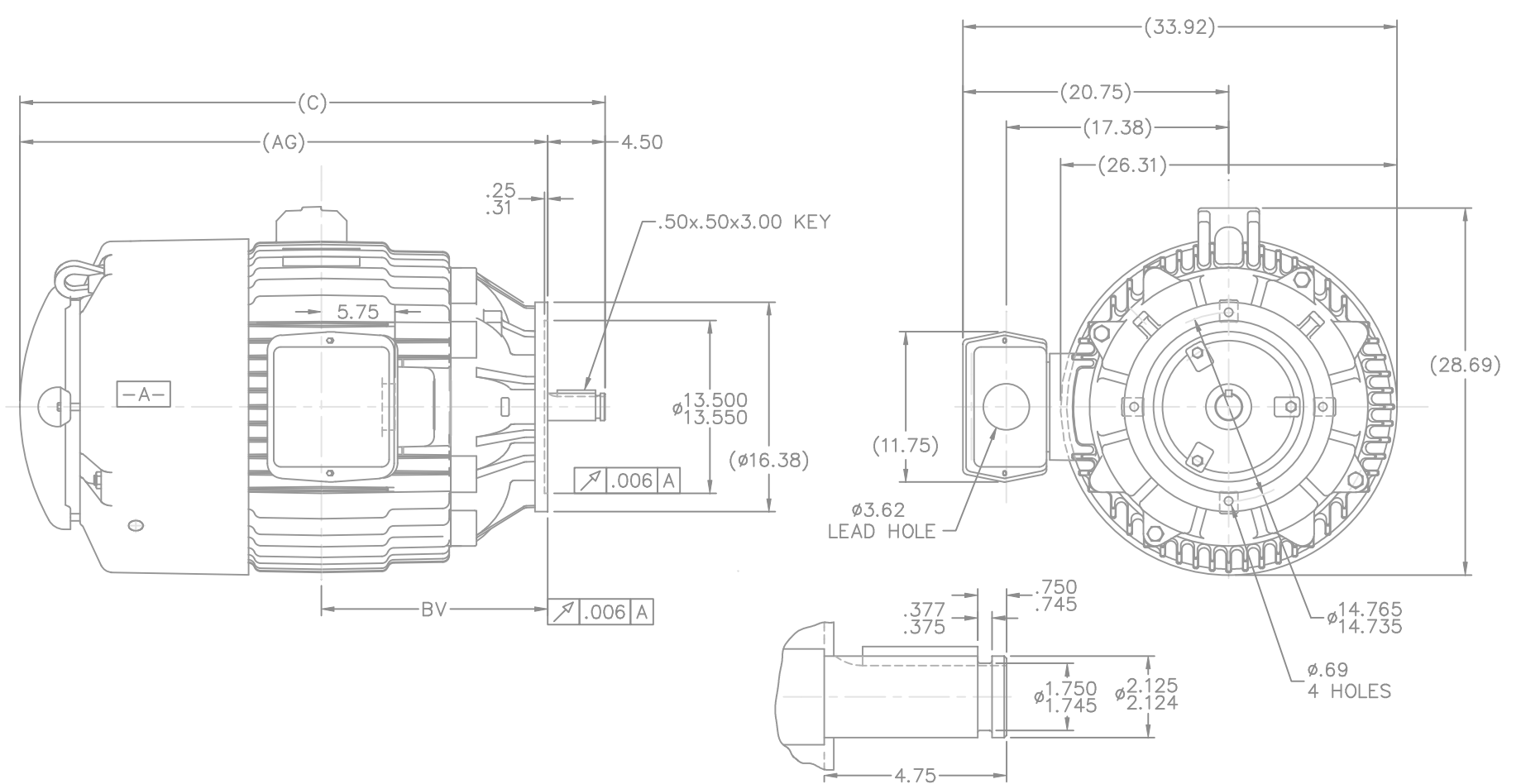
Nameplate Specifications

Output HP	125 Hp	Output KW	93.0 kW
Frequency	60 Hz	Voltage	460 V
Current	142.0 A	Speed	3575 rpm
Service Factor	1.15	Phase	3
Efficiency	95 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	444HPV
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6313
Opp Drive End Bearing Size	6313	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	SHAFT DOWN
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	HP
Overall Length	43.50 in	Frame Length	20.25 in
Shaft Diameter	2.125 in	Shaft Extension	4.50 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS514394-2025	Connection Diagram	A-EE7300U

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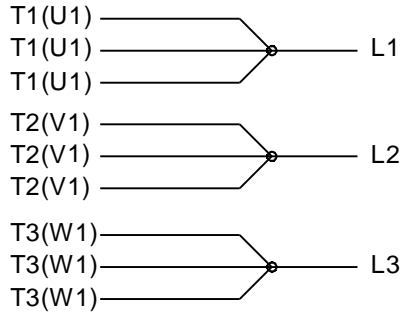
NOTES:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF THE MOTOR

DETAIL OF SHAFT EXTENSION

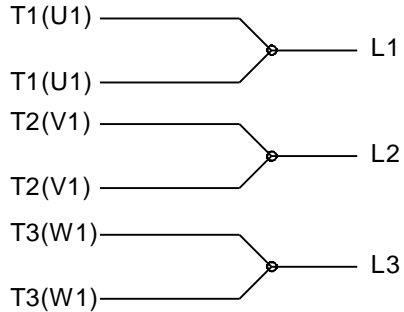
DASH	FRAME	C	AG	BV
2025	444/445HP	43.50	39.00	17.69

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN DA 12-14-1992					
		DEC.	INCHES			CHK	ML 12-16-1992				
3	REDRAWN IN AUTOCAD	TAT	07-22-2004	ML	.XX ±.03	TITLE OUTLINE - "P" BASE					
2	REM. EYEBOLT, REPLACED WITH NEW FRAME CN 22904	MJD	04-29-1997		.XXX ±.005	444-445HP FR. - TEFC					
1	NEW DRAWING	3977863	DA	12-17-1992	.XXX ±.0005	MAT'L					
NO.	REVISION	BY & DATE		CHK	ANG ±7'30"	FINISH	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 ss514394	SIZE B	DRAWING NO. SS514394	PAGE 3	OF 3	REV. 3
				DIST	WA						

IF MOTOR HAS 9 LEADS

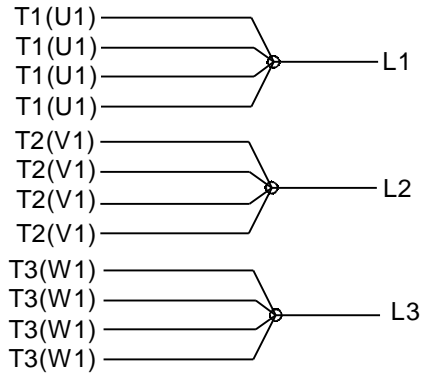


IF MOTOR HAS 6 LEADS



A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS



VIEW OF TERMINAL END

DRAWING REVISION L	REVISION BY AJW	DATE 05-04-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DRAWN BY DRS	Regal Beloit America, Inc.																					
ECO ECO-0077067	APPROVED BY EWH	DATE 05-05-2015	<table style="font-size: small; border-collapse: collapse;"> <tr> <td><u>DEC.</u></td> <td><u>INCH</u></td> <td><u>mm</u></td> <td><u>ANGLE</u></td> </tr> <tr> <td>.X</td> <td>±0.1</td> <td>[±2.5]</td> <td>±7' 30"</td> </tr> <tr> <td>.XX</td> <td>±0.02</td> <td>[±0.51]</td> <td></td> </tr> <tr> <td>.XXX</td> <td>±0.005</td> <td>[±0.127]</td> <td></td> </tr> <tr> <td>.XXXX</td> <td>±0.0005</td> <td>[±0.0127]</td> <td></td> </tr> </table>	<u>DEC.</u>			<u>INCH</u>	<u>mm</u>	<u>ANGLE</u>	.X	±0.1	[±2.5]	±7' 30"	.XX	±0.02	[±0.51]		.XXX	±0.005	[±0.127]		.XXXX	±0.0005	[±0.0127]		DATE 09-27-1996
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ECO DESCRIPTION UPDATED TO SOLIDWORKS <small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>			APPROVED BY GK	DATE 09-30-1996	MATERIAL	PROCESS/FINISH																				
			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 $\sqrt{\text{INCH}}$ 5.1 $\sqrt{\text{mm}}$ mm SHOWN IN [BRACKETS]			REFERENCE	THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7300U	SHEET 1 OF 1																



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER P.O. #:
 ORDER #: A-EE7300U
 REFERENCE MODEL #: 444TTN16001
 CONN. DIAGRAM: B-SS514394-2025
 CAT #: M924A
 OUTLINE: 1444251
 CUSTOMER PART #:
 WINDING: NONE 1
 MOUNTING: F1/F2 CAPABLE
 SPEED:
 TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
125	93	3600	3575	444HPV	TEFC	TEN	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	460	142	ACROSS-THE LINE	CONT	F	1.15	40	3300
F.L. EFF		95.0	3/4 LD EFF	95.0	1/2 LD EFF	94.1	GTD EFF	ELECT. TYPE	
F.L. PF		87.0	3/4 LD PF	84.0	1/2 LD PF	76.0	94.5	SQ CAGE IND RUN	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
194 LB-FT	907	230 LB-FT	125%	525 LB-FT
@ 3 FT. DBA		POWER	ROTOR WK ²	MAX. LOAD WK ²
78 DBA		87 DBA	24.5 LB-FT ²	0 LB-FT ²
		SAFE STALL TIME	START/SHOUR	MOTOR WGT
		15 SEC.	2	1650 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE	STANDARD	ROUND	SHAFT DOWN	NO	NONE	YES	NONE	BLUE (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
DE BALL 6313	POLYREX EM	HP	NONE	NONE	1045 HOT ROLLED (C-204)		CAST IRON

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
0.027	0.014	0.213	0.127	5.604	0.150	DE

* N		INVERTER TORQUE: NONE	
O		INV. HP SPEED RANGE: NONE	
T		ENCODER: NONE	
E		BRAKE: NONE	
S		FT-LB: NONE	
.		VOLTAGE: NONE	
		HZ: NONE	

PREPARED BY: FAREEDA DUDEKULA
 DATE: 9/11/2018
 FORM: 3531 REV 4 2/27/06
 UL: V-INS, CONST UL REC

Data Sheet

4441TFN16001



Submital

Data @ 460 V

Date: 9/11/2018

Customer:

Attention: FAREEDA DUDEKULA

Submitted by:

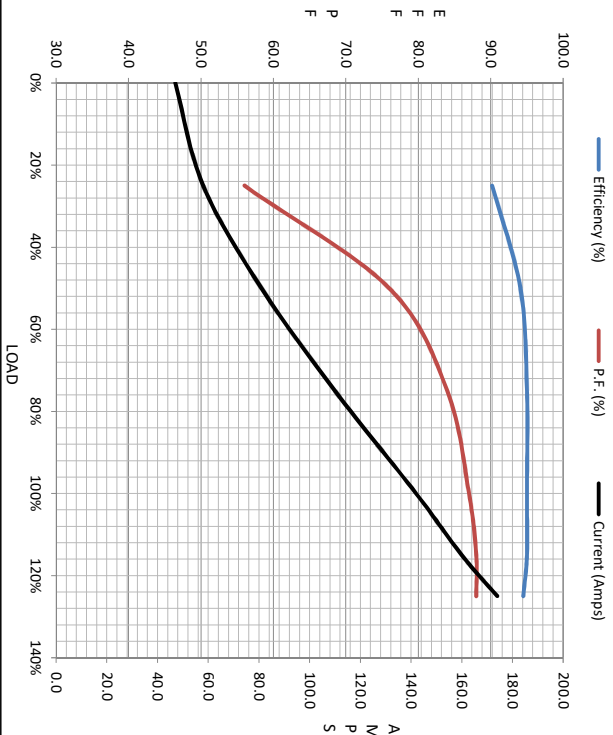
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	47.0	58.0	81.0	110	142	160	174	907
Torque (ft-lb)	0.00	46.0	92.0	138	184	212	230	230
RPM	3600	3595	3588	3582	3575	3570	3568	0
Efficiency (%)		90.2	94.1	95.0	95.0	95.0	94.5	
P.F. (%)	6.0	56.0	76.0	84.0	87.0	88.0	88.0	22.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3450	3575	3600
Current (Amps)	907	850	600	142	47.0
Torque (ft-lb)	230	205	525	184	0.00

Information Block

HP	125.0				
Sync. RPM	3600				
Frame	4441B2TFC6080				
Enclosure	TEFC				
Construction	TFN				
Voltage	460 V				
Frequency	60 Hz				
Design	A				
LR Code letter	G				
Service Factor	1.15				
Temp Rise @ FL	80 °C				
Duty	CONT				
Ambient	40 °C				
Elevation	1,000 feet				
Rotor/Shaft wk ²	24.5 Lb-Ft ²				
Ret Wdg	T444251 NONE				
Sound Pressure @ 1M	78 DBA				
VFD Rating	NONE				
Outline Dwg	B-SS514394-2025				
Conn. Diag	A-EE7300U				
Additional Specifications:					
0					
0					
	EQUIV CKT (OHMS / PHASE)				
	R1	R2	X1	X2	Xm
	0.0270	0.0140	0.2130	0.1270	5.6040



Speed - Torque Curve

