

PRODUCT INFORMATION PACKET

Model No: 444THFS9036
Catalog No: W606
125 HP Severe Duty Motor, 3 phase, 1800 RPM, 460 V, 444T Frame, TEFC
Severe Duty Motors



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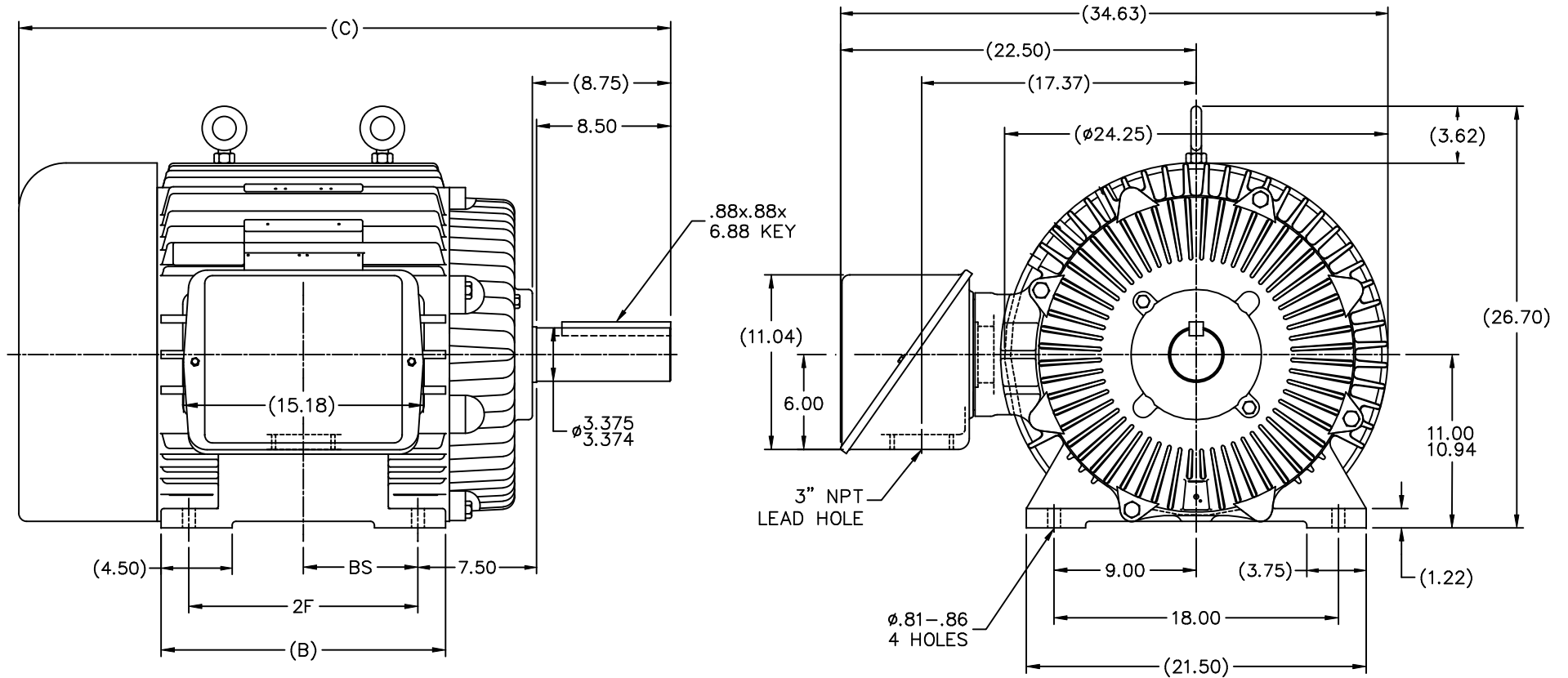
Nameplate Specifications

Output HP	125 Hp	Output KW	93.0 kW
Frequency	60 Hz	Voltage	460 V
Current	141.0 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	95.4 %	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	444T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6316
UL	Recognized	CSA	Y
CE	Y	IP Code	56
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.038 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	41.27 in
Frame Length	18.50 in	Shaft Diameter	3.375 in
Shaft Extension	8.5 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	B-SS551837-1850	Connection Drawing	A-EE7300

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NOTES:

1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

						TOLERANCES UNLESS SPECIFIED				DRAWN RJW 04-13-2006			
						DEC.	INCHES			CHK	ML 04-17-2006		
						.X	±.1			APPD	TB 04-17-2006		
						.XX	±.03	TITLE OUTLINE		SCALE 5-32			
						.XXX	±.005	440T FR. - TEFC - TFS - OVERSIZE C'BOX		REF			
						.XXXX	±.0005	MATL.		FMF CH40156			
						NO.	REVISION	BY & DATE		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							
DASH	FRAME	B	C	2F	BS	CHK	ANG	±7'30"	FINISH				
1850	444T	18.00	41.25	14.50	7.25	RFP	04-17-2006	CAD FILE	SS551837	SIZE	DRAWING NO. PAGE OF REV.		
2050	445T	20.00	43.25	16.50	8.25	DIST	WA	B	SS551837				

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OFFENDING COMMAND: --nostringval--

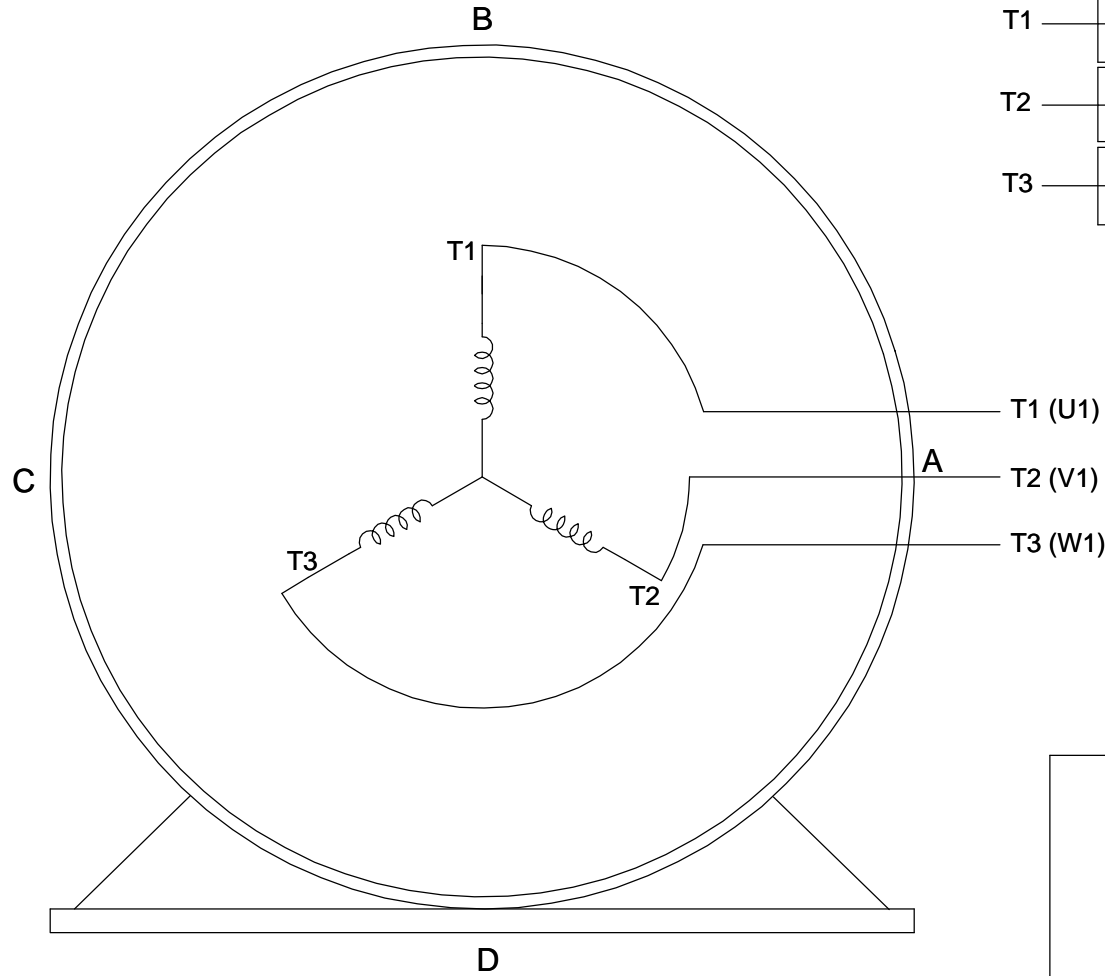
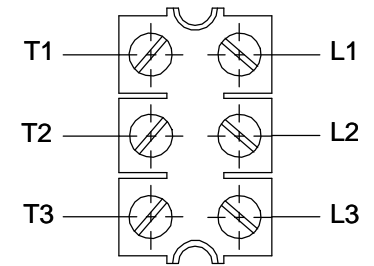
STACK:

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/Thorn
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/Yacute
221
/Udieresis
220
/Ucircumflex
219
/Uacute
218
/Ugrave
217
/Oslash
216
/multiply
215
/Odieresis
214
/Otilde
213
/Ocircumflex
212
/Oacute

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

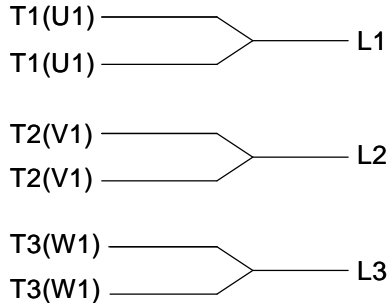
**TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.**

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**

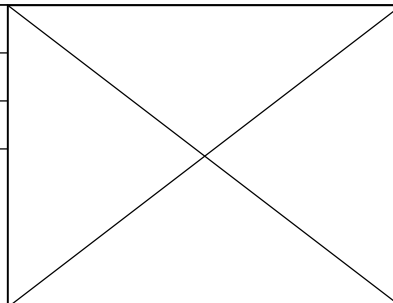


A-9806 DECAL

**OPTIONAL CORD
CONNECTION**

- L1 WHITE
- L2 RED
- L3 BLACK

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.		
		DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 444THFS9036 BU
CONN. DIAGRAM: A-EE7300
OUTLINE: B-SS551837-1850

WINDING#: T444442 NONE 7
ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

Table with 8 columns: HP, KW, SYNC. RPM, F.L. RPM, FRAME, ENCLOSURE, KVA CODE, DESIGN. Includes rows for PH, Hz, VOLTS, FL AMPS, START TYPE, DUTY, INSL, S.F, AMB°C, ELEVATION. Also includes efficiency and torque data.

*** SUPPLEMENTAL INFORMATION ***

Table with 9 columns: DE BRACKET TYPE, ODE BRACKET TYPE, MOUNT TYPE, ORIENTATION, SEVERE DUTY, HAZARDOUS LOCATION, DRIP COVER, SCREENS, PAINT.

Table with 8 columns: BEARINGS (DE, OPE), GREASE, SHAFT TYPE, SPECIAL DE, SPECIAL ODE, SHAFT MATERIAL, FRAME MATERIAL.

Table with 7 columns: THERMO-PROTECTORS (THERMOSTATS, PROTECTORS, WDG RTDs, BRG RTDs), THERMISTORS, CONTROL, SPACE /n HEATERS.

If Inverter equals NONE, contact factory for further information

*
N
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S
*

Table with 2 columns: INVERTER TORQUE: CONSTANT 2:1, INV. HP SPEED RANGE: NONE. ENCODER: NONE. BRAKE: NONE NONE.

DATE: 06/21/2017 03:38:37 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 16-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



444THFS9036

Submittal

Data @ 460 V

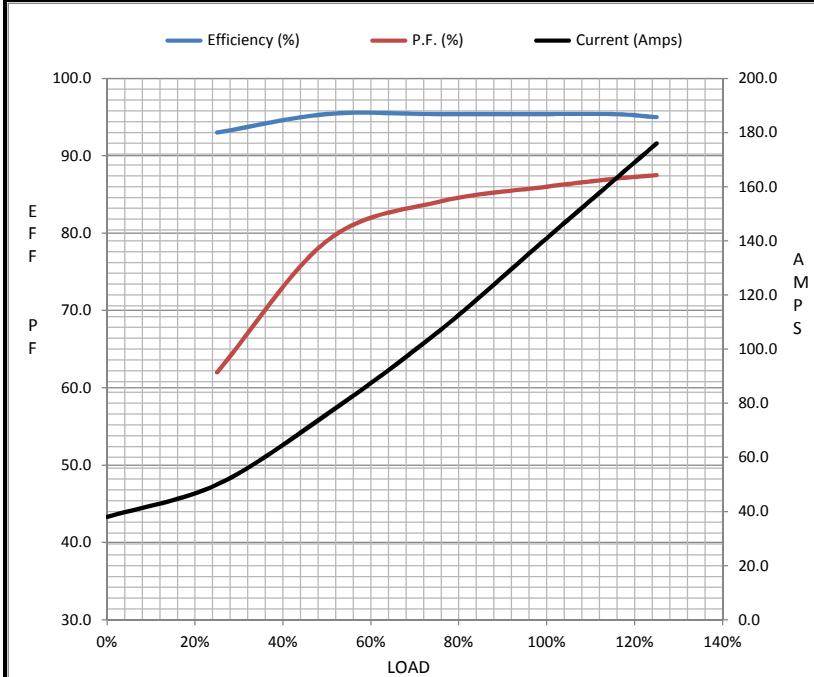
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	38.0	50.0	76.0	106	141	162	176	900
Torque (ft-lb)	0.00	91.4	183	275	366	423	457	525
RPM	1800	1795	1790	1785	1780	1,778	1775	0
Efficiency (%)		93.0	95.4	95.4	95.4	95.4	95.0	
P.F. (%)	5.0	62.0	79.0	84.0	86.0	87.0	87.5	26.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1000	1715	1780	1800
Current (Amps)	900	775	550	141	38.0
Torque (ft-lb)	525	500	1,000	366	0.00

Information Block				
HP	125.0			
Sync. RPM	1800			
Frame	444			
Enclosure	TEFC			
Construction	TFS			
Voltage	460 V			
Frequency	60 Hz			
Design	A			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	75 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	39.5 Lb-Ft ²			
Ref Wdg	T444442 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	B-SS551837-1850			
Conn. Diag	A-EE7300			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0280	0.0170	0.2410	0.2070	6.7990



Speed - Torque Curve

