

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 444TSTFS6001

Catalog No: E229

125 HP General Purpose Motor, 3 phase, 3600 RPM, 460 V, 444TS Frame, TEFC
General Purpose Motors



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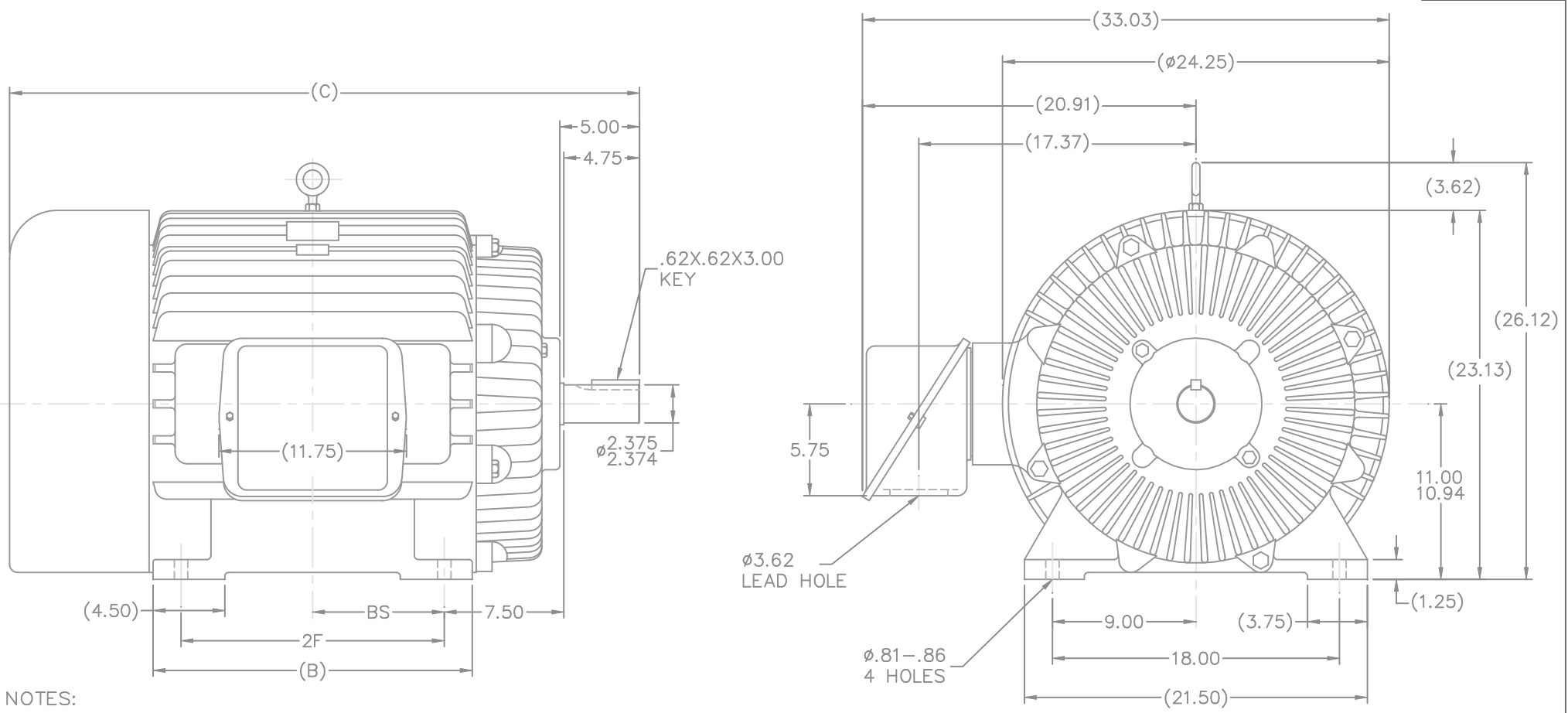
Nameplate Specifications

Output HP	125 Hp	Output KW	93.0 kW
Frequency	60 Hz	Voltage	460 V
Current	136.0 A	Speed	3560 rpm
Service Factor	1.15	Phase	3
Efficiency	95.4 %	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	444TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	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
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start
Poles	2	Rotation	Reversible
Resistance Main	.037 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	37.50 in
Frame Length	18.50 in	Shaft Diameter	2.375 in
Shaft Extension	5 in	Assembly/Box Mounting	F1/F2 Capable
Connection Drawing	A-EE7341C	Outline Drawing	B-SS504864-1850

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- NOTES:
1. BOX CAN BE ROTATED IN 90° STEPS
 2. 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

DASH	FRAME	B	C	2F	BS
1850	444TS	18.00	37.50	14.50	7.25
2050	445TS	20.00	39.50	16.50	8.25

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN TLB 01-06-1989					
		DEC.	INCHES			CHK	FG 01-06-1989				
8	UPDATED DRAWING	RJW	04-17-2007	.X	±.1	APPD	GK 01-06-1989				
7	REDRAWN IN AUTOCAD	TAT	06-29-2004	ML	±.03	SCALE	1=6				
6	CORRECTED OVERALL DIMENSIONS CN 29200-95	CAV	02-01-2000	.XXX	±.005	REF					
5	REDRAWN ON CADD	TLB	01-06-1989	.XXXX	±.0005	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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	SS504864	SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	WA		B	SS504864	8	8	

EE7341C

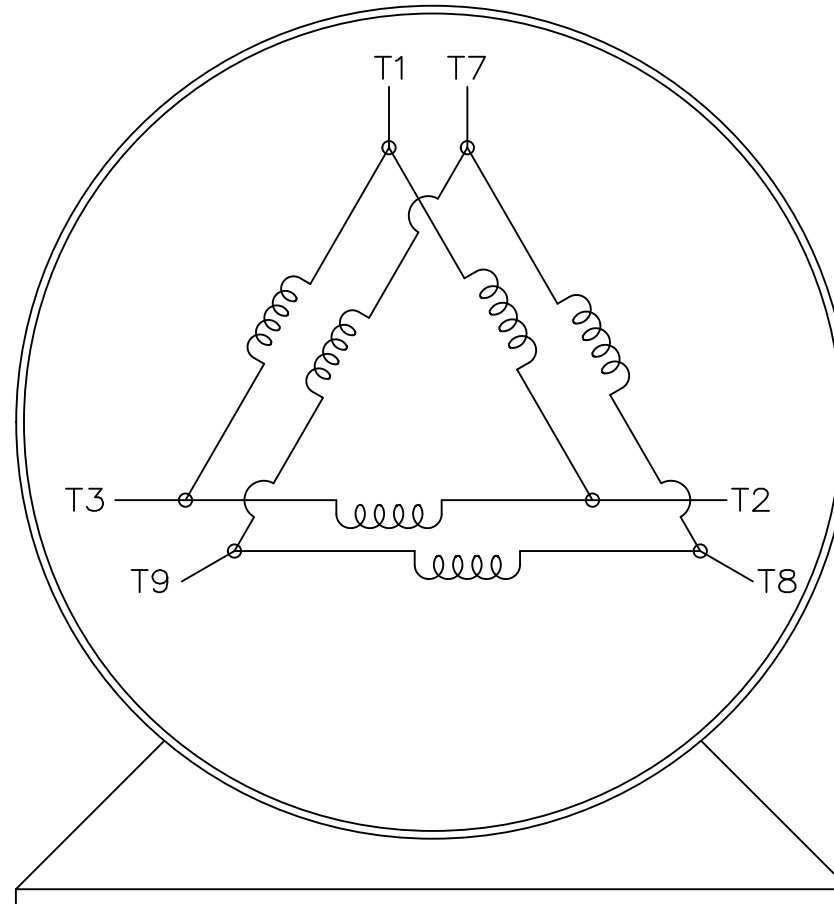
THREE PHASE – PART WINDING START
DELTA – 6 LEADS

START

CONNECT T1 TO LINE 1
CONNECT T2 TO LINE 2
CONNECT T3 TO LINE 3
T7-T8-T9 OPEN

RUN

CONNECT T1&T7 TO LINE 1
CONNECT T2&T8 TO LINE 2
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

IF MOTOR HAS 2 T'S

START

CONNECT T1,T1 TO LINE 1
CONNECT T2,T2 TO LINE 2
CONNECT T3,T3 TO LINE 3
T7,T7-T8,T8-T9,T9 OPEN

RUN

CONNECT T1,T1&T7,T7 TO LINE 1
CONNECT T2,T2&T8,T8 TO LINE 2
CONNECT T3,T3&T9,T9 TO LINE 3

		TOLERANCES UNLESS SPECIFIED		REGAL REGAL-BELOIT CORPORATION		DRAWN	BLR	03-09-1998
		DEC.	INCHES			CHK	ML	03-23-1998
		.X	± -			APPD	GK	03-23-1998
		.XX	± -	TITLE		SCALE 1=1		
E	NOTE ADDED FOR 2 T'S	NAR 17-12-2020	RC	.XXX	± -	CONNECTION DIAGRAM		REF
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	EMH	.XXXX	± -	3ø - 6 LEADS		FMF
NO.	REVISION	BY & DATE	CHK	ANG	± -	FINISH		PREV
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			DIST			A	EE7341C	E

Data Sheet

Date: 6/19/2017

444TSTFS6001

Customer: _____



Attention: _____

Submittal

Submitted by: FAREEDA DUDEKULA

Data @ 460 V

Motor Load Data

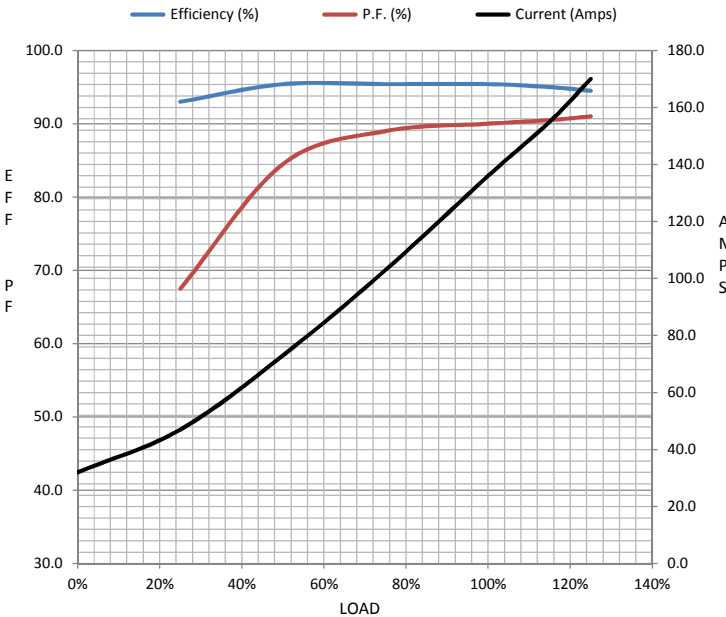
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	32.0	47.0	73.0	103	136	155	170	907
Torque (ft-lb)	0.00	46.0	92.0	138	184	212	232	265
RPM	3600	3590	3580	3570	3560	3,555	3550	0
Efficiency (%)		93.0	95.4	95.4	95.4	95.0	94.5	
P.F. (%)	7.0	67.5	84.5	89.0	90.0	90.5	91.0	29.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3425	3560	3600
Current (Amps)	907	825	575	136	32.0
Torque (ft-lb)	265	250	520	184	0.00

Information Block

HP	125.0			
Sync. RPM	3600			
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	85 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	25.0 Lb-Ft ²			
Ref Wdg	T444241 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS504864-1850			
Conn. Diag	A-EE7341C			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0280	0.0210	0.2280	0.1400	7.9680



Speed -Torque Curve

