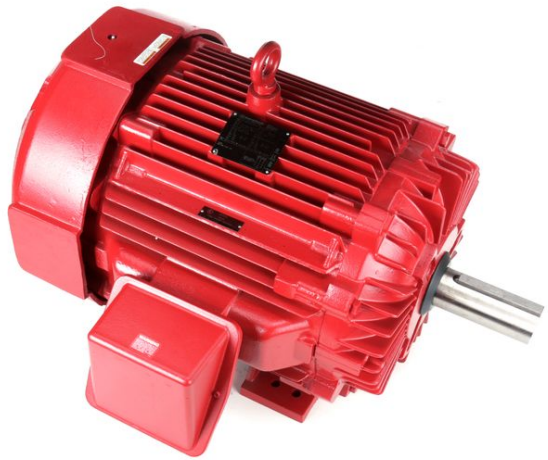
PRODUCT INFORMATION PACKET

Model No: 444TSTFN14004
Catalog No: Y1631
Fire Pump Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 & 3000 RPM, 444TS Frame, TEFC

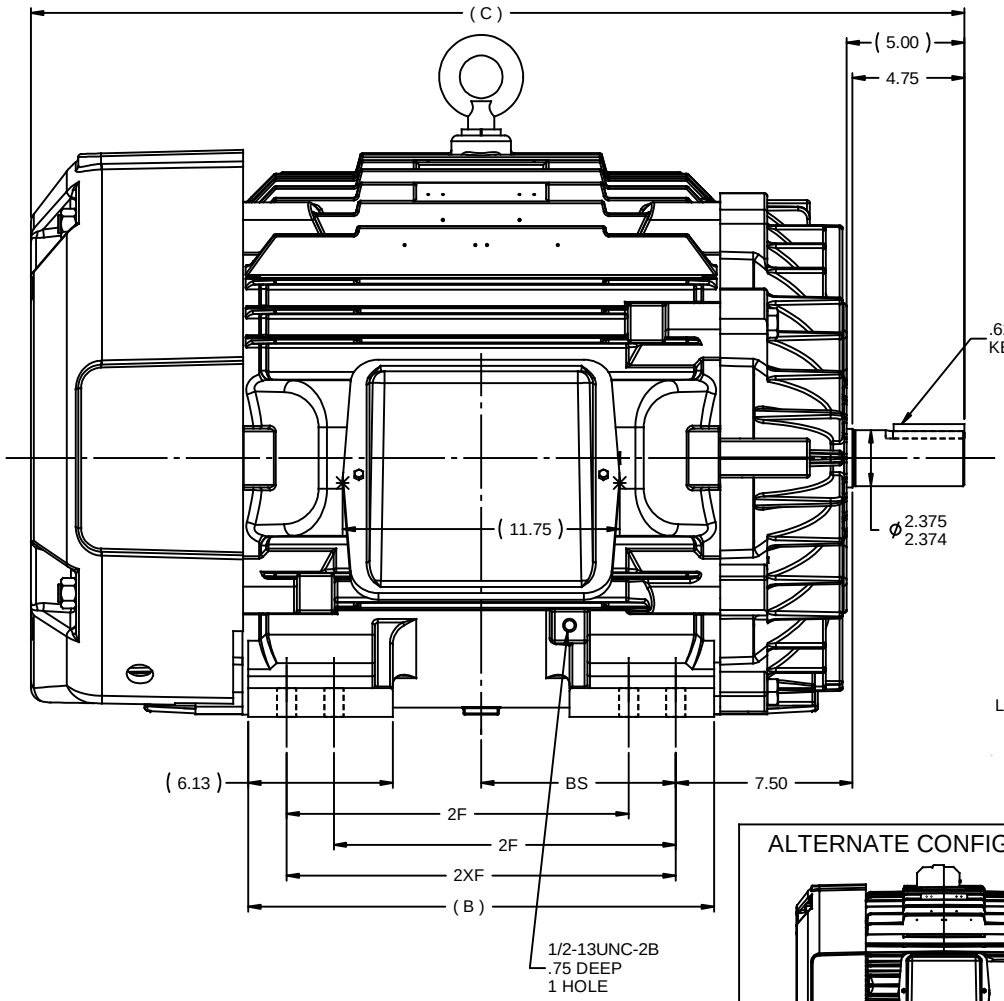


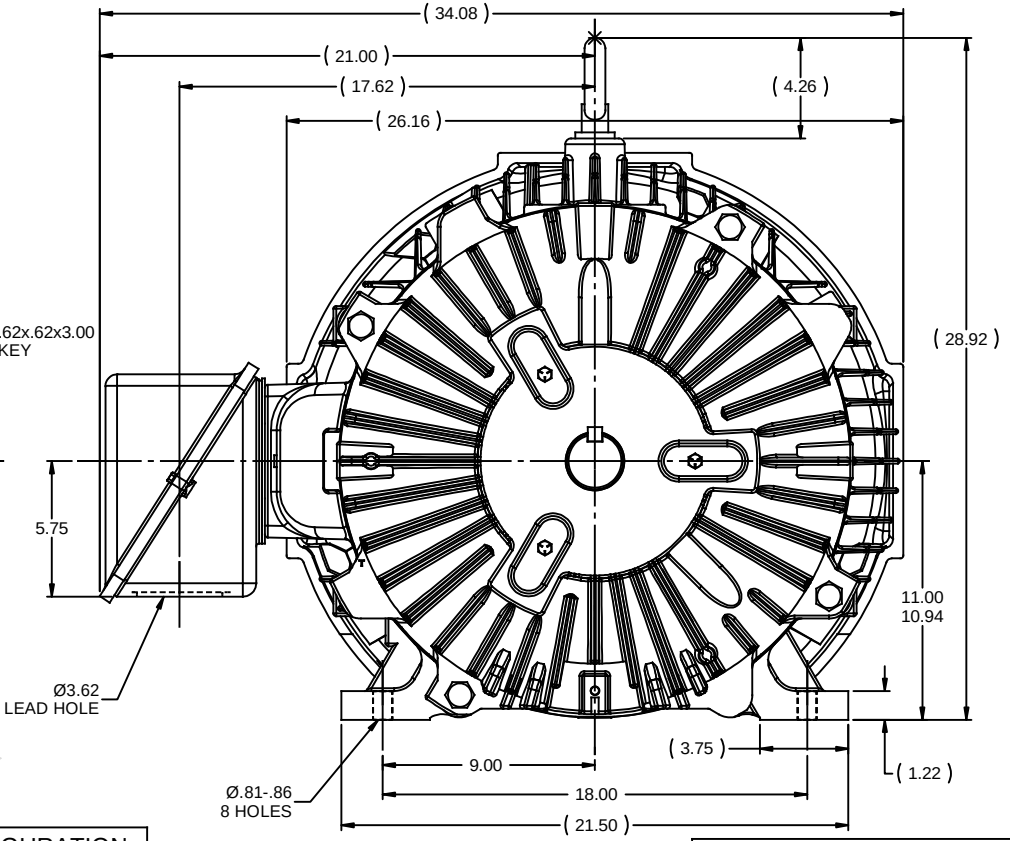
Nameplate Specifications

Phase	3	Output HP	125 & 100 Hp
Output KW	93.0 & 75.0 kW	Voltage	460 & 380 V
Speed	3572 & 2972 rpm	Service Factor	1.15 & 1.15
Frame	444TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.5 & 94.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	140 & 136 A	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	No	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

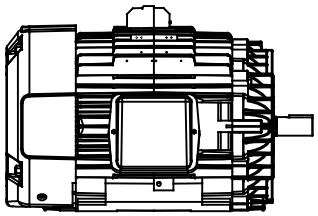
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.032 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Shaft Diameter	2.375 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	A-EE7300BH	Outline Drawing	B-SS514023-2025

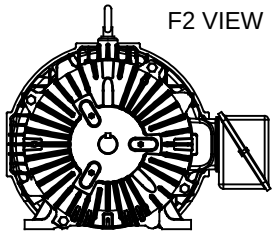




ALTERNATE CONFIGURATION



F2 VIEW



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.

DASH	FRAME	B	C	2F	2XF	BS	
1825	444TS	17.75	37.60	14.50	- - -	7.25	
2025	444/445TS	19.75	39.60	14.50	16.50	8.25	

NO	REVISION	BY & DATE	CHK
10	CORRECTED C'BOX DIM., 5.75 WAS 5.56 ISAAC 09-5049	JJB 2/4/2011	
9	UPDATED WITH NEW FRAME, 28.92 DIMENSION WAS 26.52,		
	ADDED PREVIOUS CONFIG. & F2 VIEW PER ISAAC 09-5049	JJB 12/16/2009	MH
8	CHG. FAN GUARD & REV. C DIM. PER CN 39335	RWR 01/22/2007	ML
7	REVISED LEAD DIM FROM Ø4.12 PER CN 32179	CTO 03/24/2003	ML
6	REISSUE - 26.52 DIMENSION WAS 24.19 CN 21946	KL 05/19/1999	

TOLERANCES UNLESS SPECIFIED

DEC	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

MARATHON ELECTRIC

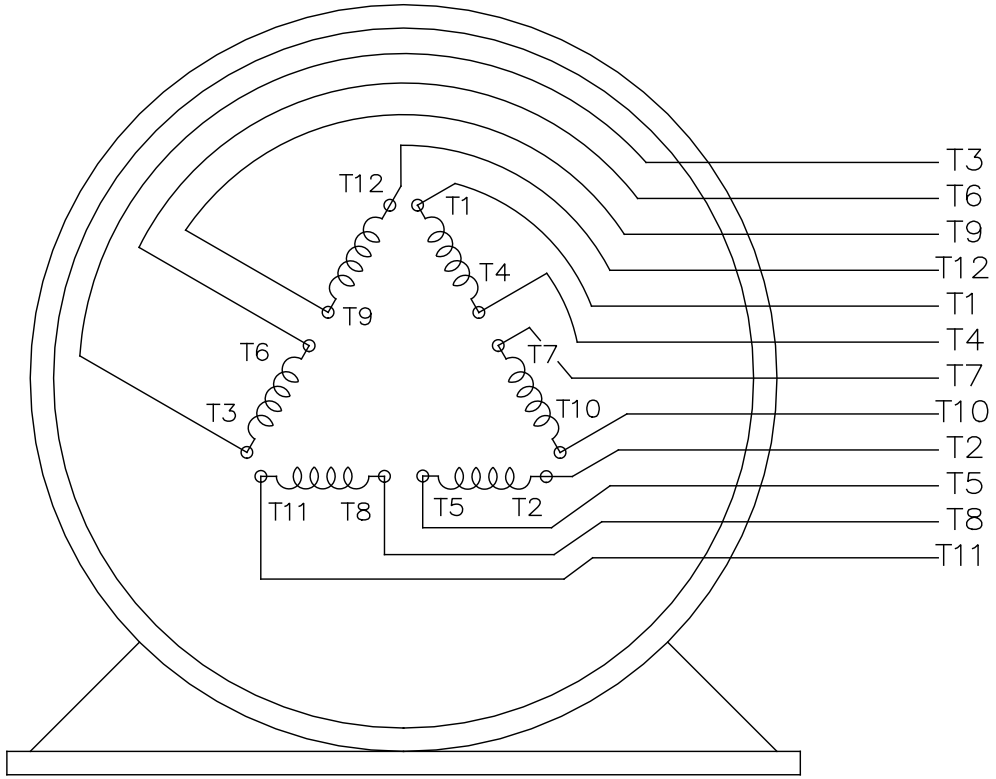
DRAWN	RM 06-25-1991
CHK	TLB 06-25-1991
APPR	ML 06-25-1991
TITLE	OUTLINE
	444/445TS FR. - TEFC - STD.
SCALE	1:5.25
REF	
FMF	
MAT'L	
FINISH	
PAGE	OF

THIRD ANGLE PROJECTION

RFP 06-25-1991
NETWORK FILE NAME SS514023
PREV

SIZE	DRAWING NO	REV
B	SS514023	10

EE7300BH



VIEW OF TERMINAL END

T12(W4)
T1(U1)
T6(W2)
T7(U3)
LINE 1

T2(V1)
T4(U2)
T8(V3)
T10(U4)
LINE 2

T3(W1)
T5(V2)
T9(W3)
T11(V4)
LINE 3

				TOLERANCES UNLESS SPECIFIED		REGAL - BELOIT CORPORATION	DRAWN RJW 02–11–2005
				DEC.	INCHES		CHK ML 02–11–2005
				.X	±.1		APPD GK 02–11–2005
				.XX	±.02	TITLE CONNECTION DIAGRAM	SCALE
D	CHANGED TO REGAL TITLE BLOCK ECO–0108299	WGJ 08/22/2016	EMH	.XXX	±.005	12 LEAD– SINGLE VOLTAGE	REF
1	ADDED IEC TERMINAL MARKINGS CN 41429	JJB 05/24/2007	ML	.XXXX	±.0005	MAT'L.	FMF
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV

RFP 02–11–2005
DIST LB
CAD FILE ee7300bh

SIZE	DRAWING NO.	PAGE OF	REV.
A	EE7300BH		C

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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: A-EE7300BH
OUTLINE: B-SS514023-2025
WINDING: T444254 NONE 1
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 444TSTFN14004
CAT #: Y1631
CUSTOMER PART #:
MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
125	93	3600	3572	444TS	TEFC	TFN	G	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	460#380	140&136	PWS & YDRUN	CONT	F	1.15	40	3300

F.L. EFF	94.5	3/4 LD EFF	94.5	1/2 LD EFF	93.6	GTD EFF	ELECT. TYPE
F.L. PF	88.0	3/4 LD PF	85.0	1/2 LD PF	79.0	93.6	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)	
184 LB-FT	880	220 LB-FT 120%	475 LB-FT 258%	75	

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
80 dBA	89 dBA	24.5 LB-FT²	70 LB-FT²	15 SEC.	2	1850 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	RED (ENAMEL)

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 6313	BALL 6313	POLYREX EM	TS	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
0.025	0.015	0.234	0.141	6.306	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:
UL: NONE

PREPARED BY: FAREEDA DUDEKULA
DATE: 1/7/2019

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 1/7/2019
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

444TSTFN14004

Submittal

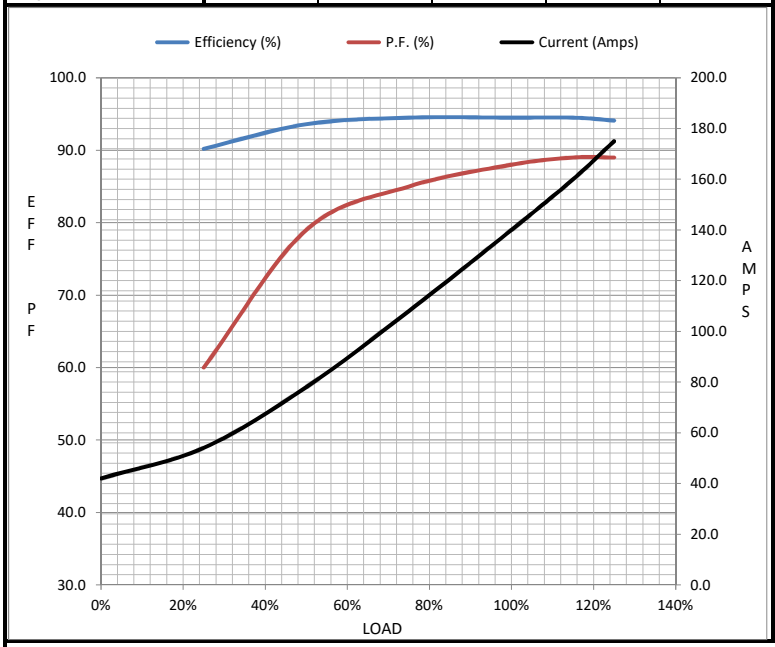
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	42.0	54.0	78.0	108	140	160	175	880	
Torque (ft-lb)	0.00	46.0	92.0	138	184	212	230	220	
RPM	3600	3592	3588	3580	3572	3,568	3565	0	
Efficiency (%)		90.2	93.6	94.5	94.5	94.5	94.1		
P.F. (%)	6.5	60.0	79.0	85.0	88.0	89.0	89.0	22.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3425	3572	3600
Current (Amps)	880	800	550	140	42.0
Torque (ft-lb)	220	190	475	184	0.00



Information Block

HP	125.0	
Sync. RPM	3600	
Frame	444	
Enclosure	TEFC	
Construction	TFN	
Voltage	460#380	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 wk²	24.5	Lb-Ft²
Ref Wdg	T444254 NONE	
Sound Pressure @ 1M	80	dBA
VFD Rating	NONE	
Outline Dwg	B-SS514023-2025	
Conn. Diag	A-EE7300BH	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0250	0.0150	0.2340	0.1410	6.3060