

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 404TSTD4017
Catalog No: U530A
125,3600,DP,404TS,3/60/460
Fire Pump



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REGAL



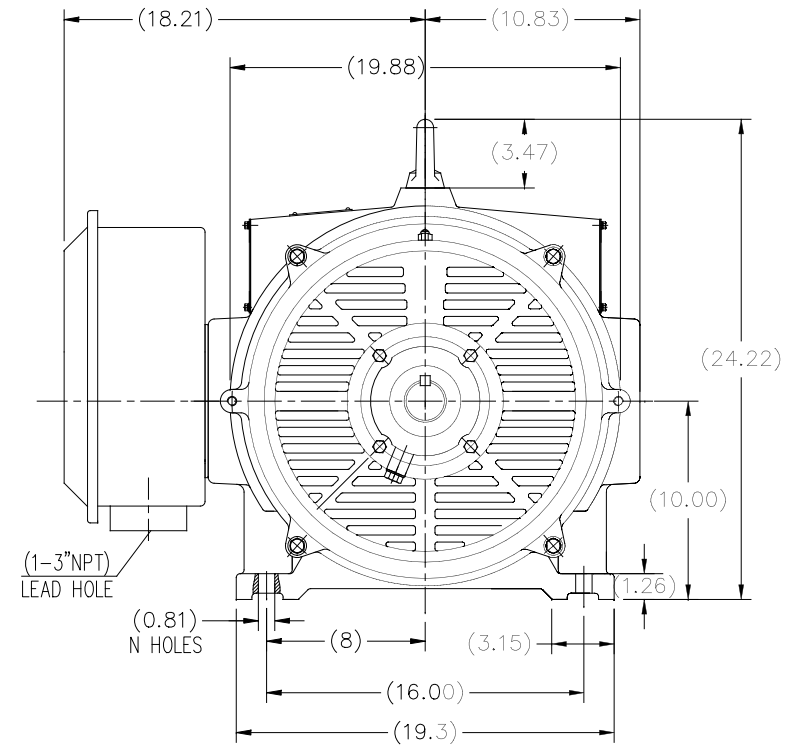
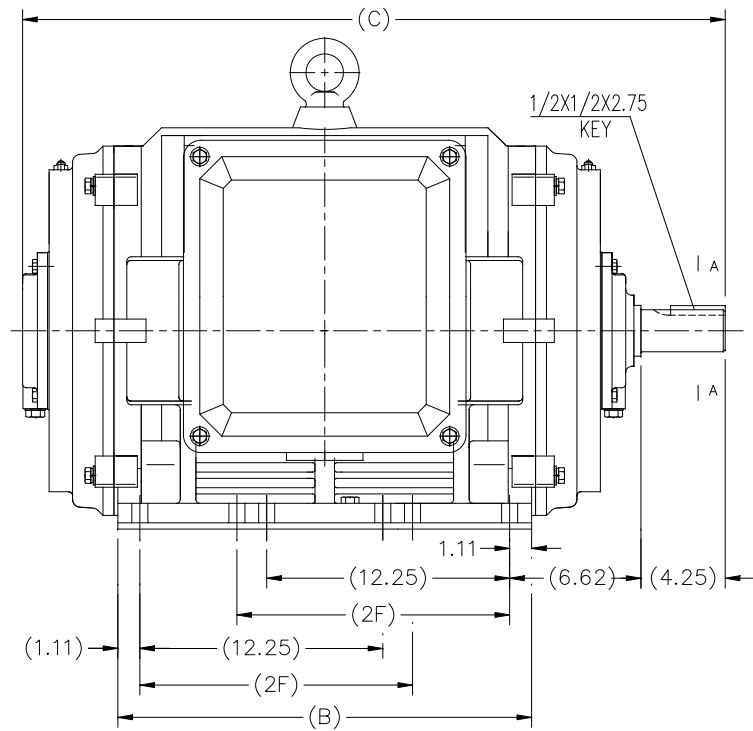
Nameplate Specifications

Output HP	125 Hp	Output KW	93.0 kW
Frequency	60 Hz	Voltage	460 V
Current	139.0 A	Speed	3575 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	F	Frame	404TS
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	50 °C	Drive End Bearing Size	6313
Opp Drive End Bearing Size	6313	UL	No
CSA	Y	CE	Y
IP Code	23		

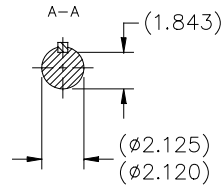
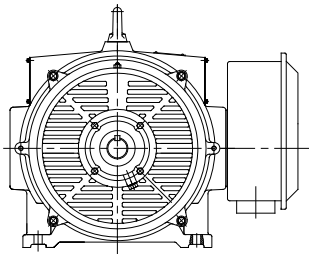
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	TS
Overall Length	33.86 in	Frame Length	19.68 in
Shaft Diameter	2.125 in	Shaft Extension	4.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620752-404TS	Connection Diagram	EE7300BH

SS620752

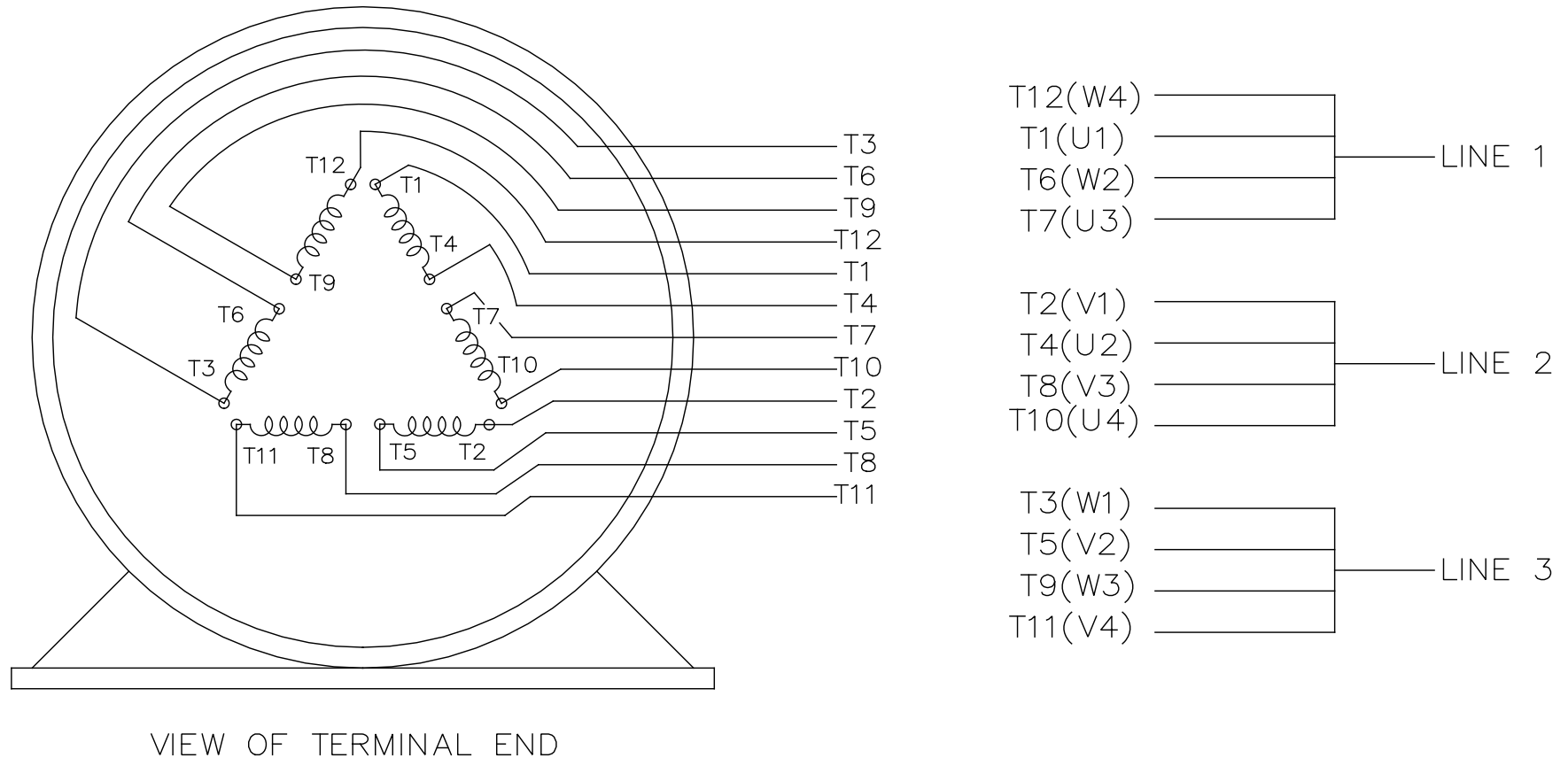


F2 MOUNTING



404TS	33.86	19.29	N/A	8 HOLES
405TS	35.44	20.87	13.75	12 HOLES
Frame	C	B	2F	N HOLES

		TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION		DRAWN WY 07-21-2016	
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	REV.
				DEC.	INCHES	CHK	
				.X	±.1	APPD	
				.XX	±.03	SCALE	NONE
				.XXX	±.005	REF	
				.XXXX	±.0005	FMF	WUXI
				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 SS620752	SIZE B	DRAWING NO. SS620752
				DIST			PAGE 1 OF 1



				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		SCALE						
D	CHANGED TO REGAL TITLE BLOCK	ECO-0108299	WGJ 08/22/2016	EMH	.XXX	±.005	TITLE CONNECTION DIAGRAM 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				
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		02-11-2005	CAD FILE ee7300bh		SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST		LB			A	EE7300BH			



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:		CUSTOMER P.O. #:	
ORDER #:		REFERENCE MODEL #:	404TSTD04017
CONN. DIAGRAM:	EE7300BH	CAT #:	US30A
OUTLINE:	SS620752	CUSTOMER PART #:	
WINDING:	IE3L2502110	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	404TS	DP	TDC	F	B					
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.				
3	60/50	460#380	139&135	PWS & YDRUN	CONT	F	1.15	50	3300				
F.L. EFF		93.6	3/4 LD EFF	93.6	1/2 LD EFF	93.0	GTD EFF	ELECT. TYPE					
F.L. PF		89.0	3/4 LD PF	87.0	1/2 LD PF	82.0	91.7	SQ CAGE IND RUN					
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)					
184	LB-FT	800		260	LB-FT	141%	425	LB-FT	231%	45			
@ 3 FT.		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME		STARTS/HOUR		MOTOR WGT	
999	dba	1008	dba	0.00	LB-FT²	250	LB-FT²	20	SEC.	2	0	LB.	

*** SUPPLEMENTAL INFORMATION ***

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

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

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
0.042	0.015	0.188	0.2	7.412	0.150	ODE

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

PREPARED BY: FAREEDA DUDEKULA	
DATE: 8/24/2018	
FORM: 3531 REV 4 2/27/06	

Data Sheet

Date: 8/24/2018

Customer:

Attention:

Submitted by:



4041STD0CD4017

Submittal

Data @ 460 V

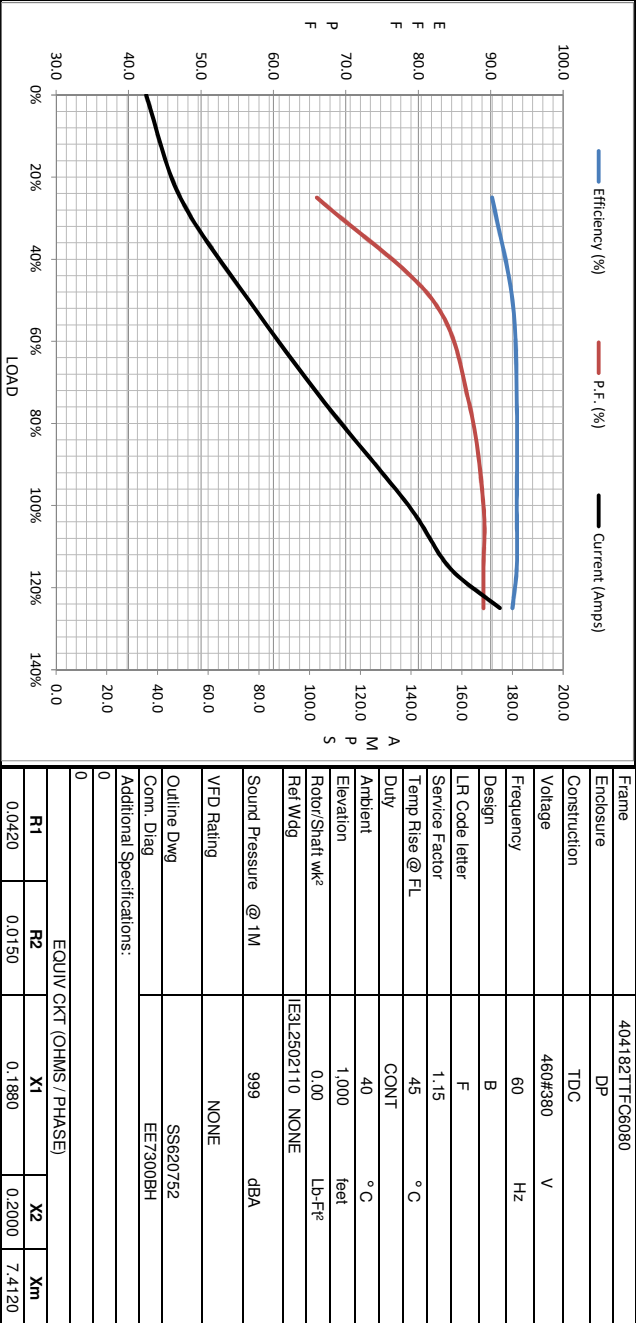
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	35.5	49.0	76.0	106	139	155	175	800
Torque (ft-lb)	0.00	45.5	91.5	138	184	212	230	260
RPM	3600	3595	3588	3580	3575	3568	3565	0
Efficiency (%)		90.2	93.0	93.6	93.6	93.6	93.0	
P.F. (%)	8.0	66.0	82.0	87.0	89.0	89.0	89.0	33.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3450	3575	3600
Current (Amps)	800	750	500	139	35.5
Torque (ft-lb)	260	225	425	184	0.00

Information Block	
HP	125.0
Sync. RPM	3600
Frame	4041B2TFC6080
Enclosure	DP
Construction	TDC
Voltage	460#380 V
Frequency	60 Hz
Design	B
LR Code letter	F
Service Factor	1.15
Temp Rise @ FL	45 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk²	0.00 Lb-Ft²
Ret Wdg	IE3L2502110 NONE
Sound Pressure @ 1M	999 dBA
VFD Rating	NONE



Speed - Torque Curve

