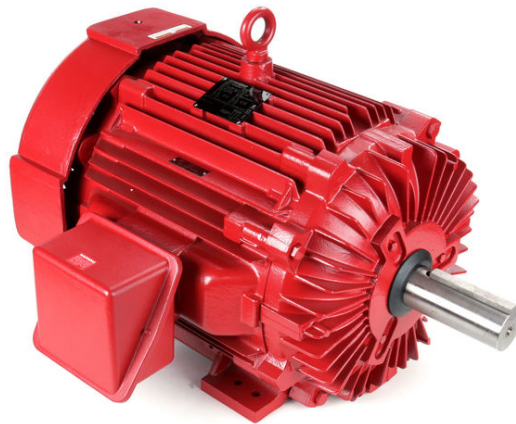


PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 364TTFS14064
Catalog No: Y1624
60,1800,TEFC,364T,3/60/50/230/460
Fire Pump



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REGAL



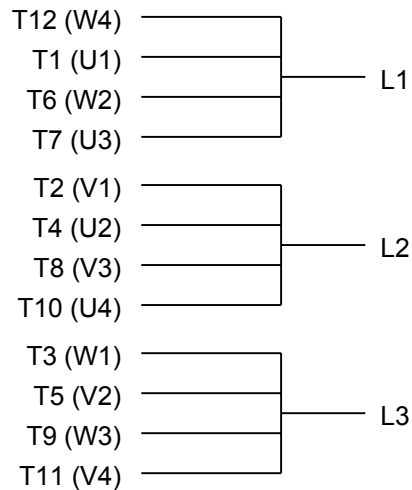
Nameplate Specifications

Output HP	60 Hp	Output KW	45.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	142.0/71.0 A	Speed	1775 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	364T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6314
Opp Drive End Bearing Size	6312	UL	No
CSA	Y	CE	Y
IP Code	43		

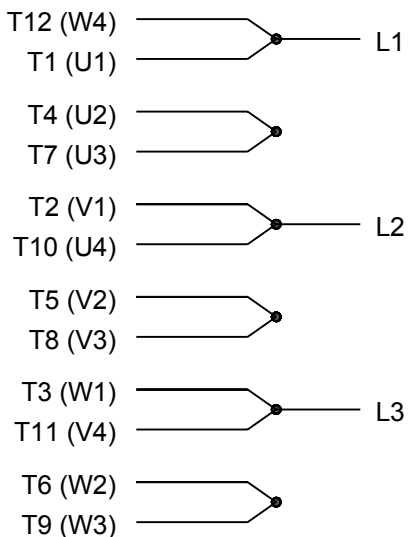
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	T
Overall Length	31.52 in	Frame Length	13.50 in
Shaft Diameter	2.375 in	Shaft Extension	5.88 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	B-SS504688-1350	Connection Diagram	A-EE7308AA

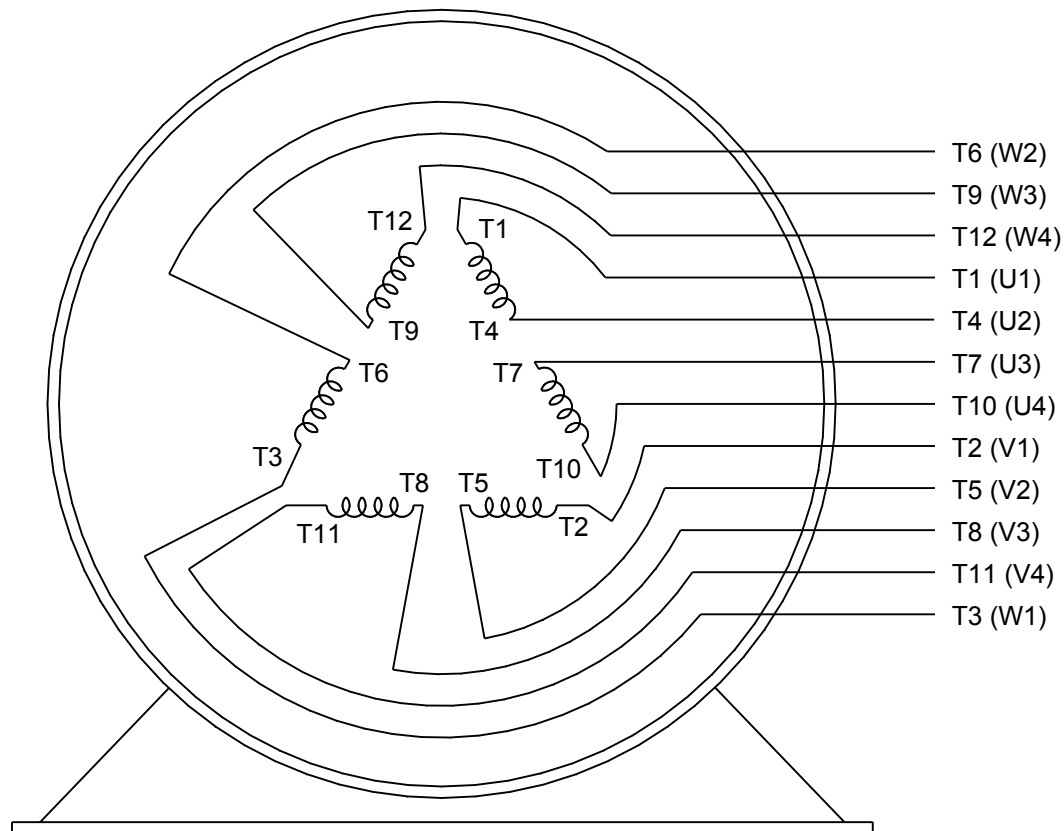




LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8		
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DRAWN BY LZ
DATE 01-12-1994
APPROVED BY GK
DATE 01-14-1994
REFERENCE
THIRD ANGLE PROJECTION



Regal Beloit America, Inc.

DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø-2/1 DELTA-12 LEADS

MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7308AA
SHEET 1 OF 1	



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 #:	364TTS140G4
CONN. DIAGRAM:	A-EE7308AA	CAT #:	Y1624
OUTLINE:	B-SS504688-1350	CUSTOMER PART #:	
WINDING:	T3644164	MOUNTING:	F1/F2 CAPABLE
SPEED:			

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
60	45	1800	1775	364T	TEFC	TFS	G	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	142/77.8/144/72	WS(LV ONLY) & YDRU	CONT	F	1.15	40	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		84.0	3/4 LD PF	82.0	1/2 LD PF	74.0	92.4	SQ CAGE IND RUN	
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)	
177	LB-FT	425	290	LB-FT	164%	410	LB-FT	232%	75
@ 3 FT.		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME	
75	DBA	84	DBA	14.5	LB-FT²	420	LB-FT²	25	SEC.
				STARTS/HOUR		MOTOR WGT			
						2		825 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 BALL 6314	POLYREX EM	T	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		
0.076	0.052	0.421	0.52	11.045	0.150	ODE		
* N								
O								
T								
E								
S								
*								
PREPARED BY: FAREEDA DUDEKULA				INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE				
DATE: 9/11/2018				ENCODER: NONE NONE NONE				
FORM: 3531 REV_4 2/27/06				BRAKE: NONE FT-LB: NONE VOLTAGE: NONE				
				UL: NONE				
				HZ:				

Data Sheet

Date: 9/11/2018

Customer:

Attention:

Submitted by:

FAREEDA DUDEKULA

364TFS14064



Submittal

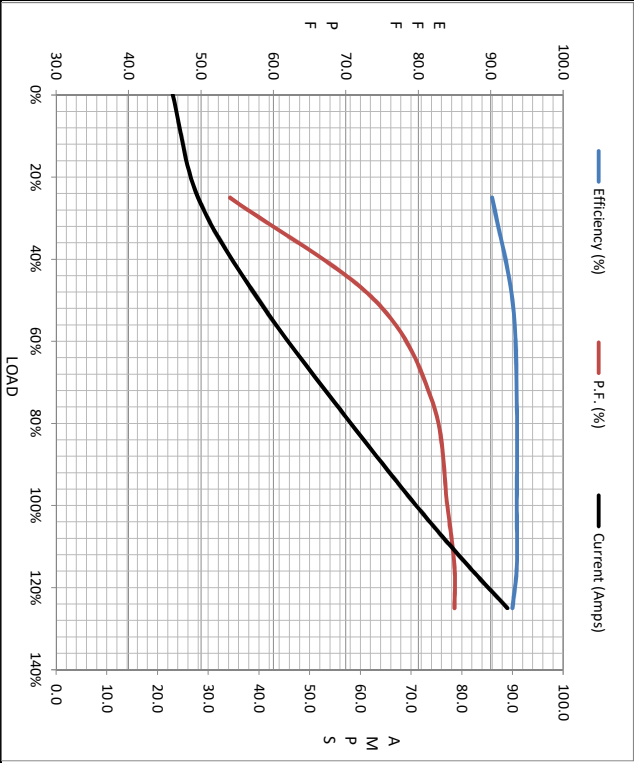
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	23.0	28.0	40.0	55.0	71.0	81.5	89.0	425
Torque (ft-lb)	0.00	44.0	88.0	133	177	205	223	290
RPM	1800	1795	1790	1782	1775	1,772	1768	0
Efficiency (%)		90.2	93.0	93.6	93.6	93.6	93.0	
P.F. (%)	5.5	54.0	74.0	82.0	84.0	85.0	85.0	33.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	900	1700	1775	1800		
Current (Amps)	425	400	225	71.0	23.0		
Torque (ft-lb)	290	275	410	177	0.00		
						HP	60.0
						Sync. RPM	1800



Frame	3641821TFc6080			
Enclosure	TEFC			
Construction	TFS			
Voltage	230/460#190/380		V	
Frequency	60		Hz	
Design	B			
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	14.5 Lb-Ft²			
RefWdg	T3644164 NONE			
Sound Pressure @ 1M	75		dBA	
VFD Rating	NONE			
Outline Dwg	B-SS504688-1350			
Conn. Dwg	A-EET7308AA			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0760	0.0520	0.4210	0.5200	11.0450

Speed - Torque Curve

