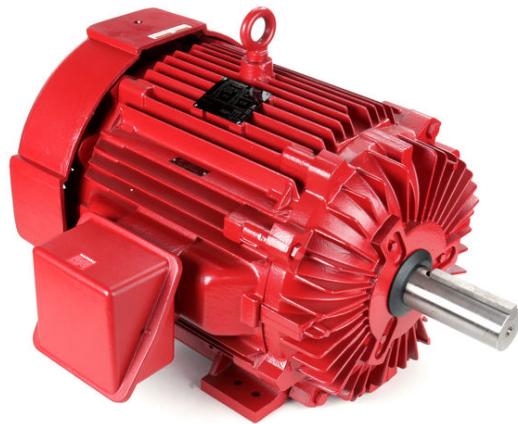


PRODUCT INFORMATION PACKET

marathon[®]
Motors

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



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REGAL[®]

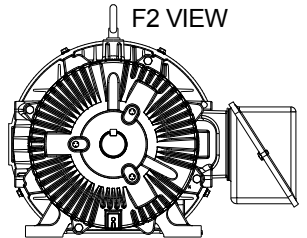
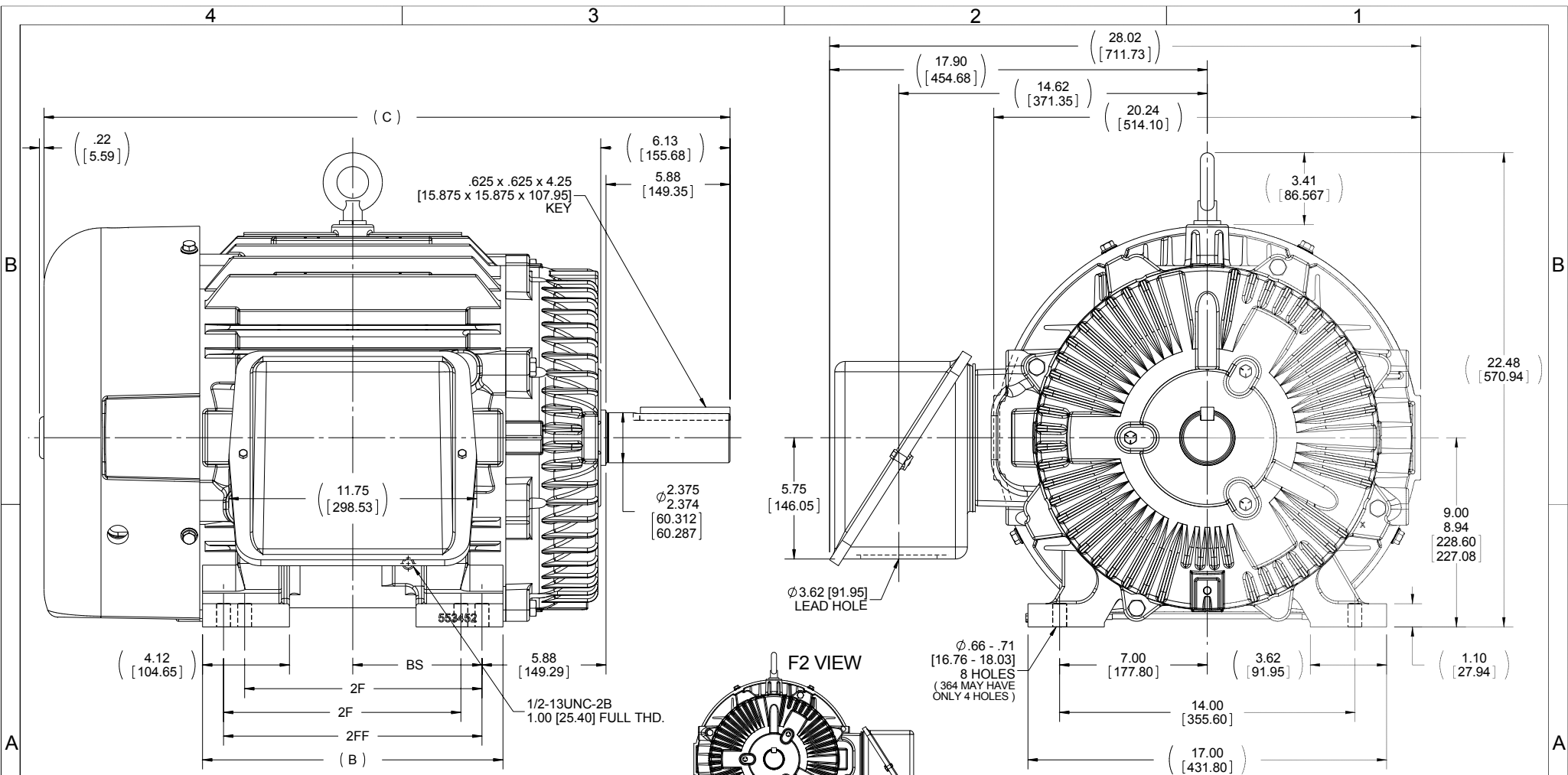


Nameplate Specifications

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



- 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	2FF	BS
1350	364T	13.25 [336.55]	31.52 [800.61]	11.25 [285.75]	---	5.62 [142.75]
1450	364/365T	14.25 [361.95]	32.52 [826.01]	11.25 [285.75]	12.25 [311.15]	6.12 [155.45]

DRAWING REVISION D	REVISION BY JHA	DATE 02-03-2016
ECO ECO-0092438	APPROVED BY TDB	DATE 02-03-2016
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
-X	+0.1	[+2.5]
.XX	+0.03	[+0.76]
.XXX	+0.005	[+0.127]
.XXXX	+0.0005	[+0.0127]
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [51]		
MACHINED SURFACES: 200 INCH 5.1 mm SHOWN IN [BRACKETS]		

DRAWN BY TLB
DATE 04-29-1998
APPROVED BY ML
DATE 04-29-1998
REFERENCE
THIRD ANGLE PROJECTION

REGAL™ Regal Beloit America, Inc.

DESCRIPTION
OUTLINE
360T FR. - TEFC - (STD.)

MATERIAL
PROCESS/FINISH

SIZE
B

DRAWING NUMBER
SS504688

SHEET
1 OF 1



LOW VOLTAGE

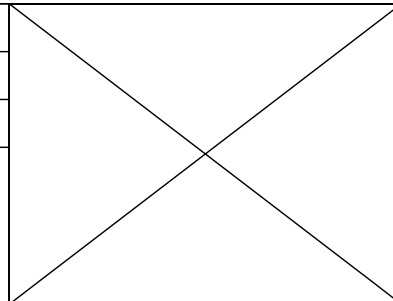


HIGH VOLTAGE



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	Regal Beloit America, Inc.	
DATE 01-12-1994		
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS	
DATE 01-14-1994		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	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 P.O. #:
 ORDER #:
 CONN. DIAGRAM: A-EE7308AA
 REFERENCE MODEL #: 364TTS14064
 CAT #: Y1624
 OUTLINE: B-SS504688-1350
 CUSTOMER PART #:
 WINDING: T3644164 NONE 2
 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	142/77/81/44/72	WS(LV ONLV) & 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
@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME
75 DBA	84 DBA	14.5 LB-FT ²	420 LB-FT ²	25 SEC.
				START/SHOUR
				2
				MOTOR WGT
				825 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	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE BALL 6314	BALL 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	INVERTER TORQUE: NONE
O	INV. HP SPEED RANGE: NONE
T	
E	ENCODER: NONE
S	NONE
	BRAKE: NONE
	NONE
	FT-LB: NA
	VOLTAGE: NONE
	NONE
	PPR

PREPARED BY: FAREEDA DUDEKULA
 DATE: 9/11/2018
 FORM: 3531 REV 4 2/27/06
 UL: NONE
 HZ:

Data Sheet

Date: 9/11/2018

3641TF514064

Customer: _____
 Attention: _____



Submital

Submitted by: FAREEDA DUDEKULA

Data @ 460 V

Load	Motor Load Data									
	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	290	
Torque (ft-lb)	0.00	44.0	88.0	133	177	205	223	290		
RPM	1800	1795	1790	1782	1775	1,772	1,768	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						Information Block																					
	LR	Pull-Up	BD	Rated	Idle		HP	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Motor/Shaft wk ²	Ret Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:		
Speed (RPM)	0	900	1700	1775	1800		60.0	3641B2TFC080	TFC	TFS	230/460#190/380	60	B	G	1.15	75	CONT	40 °C	1,000 feet	14.5 Lb-Ft ²	T3644164	75	DBA	NONE	B-SS504688-1350	A-EE7308AA		
Current (Amps)	425	400	225	71.0	23.0																							
Torque (ft-lb)	290	275	410	177	0.00																							

