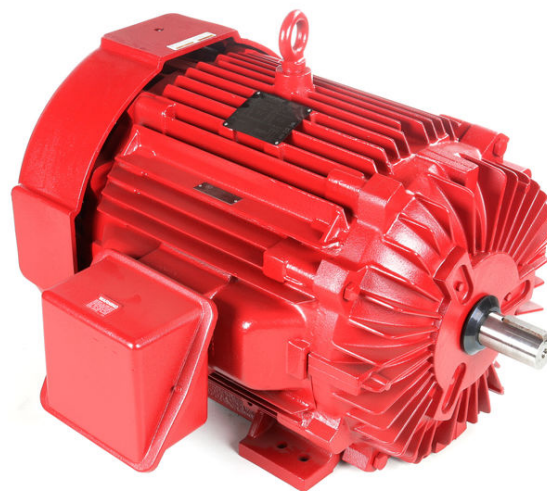


PRODUCT INFORMATION PACKET

Model No: 364TSTFS14009

Catalog No: Y1622

60 HP Fire Pump Motor, 3 phase, 3600 RPM, 230/460 V, 364TS Frame, TEFC
Fire Pump Motors



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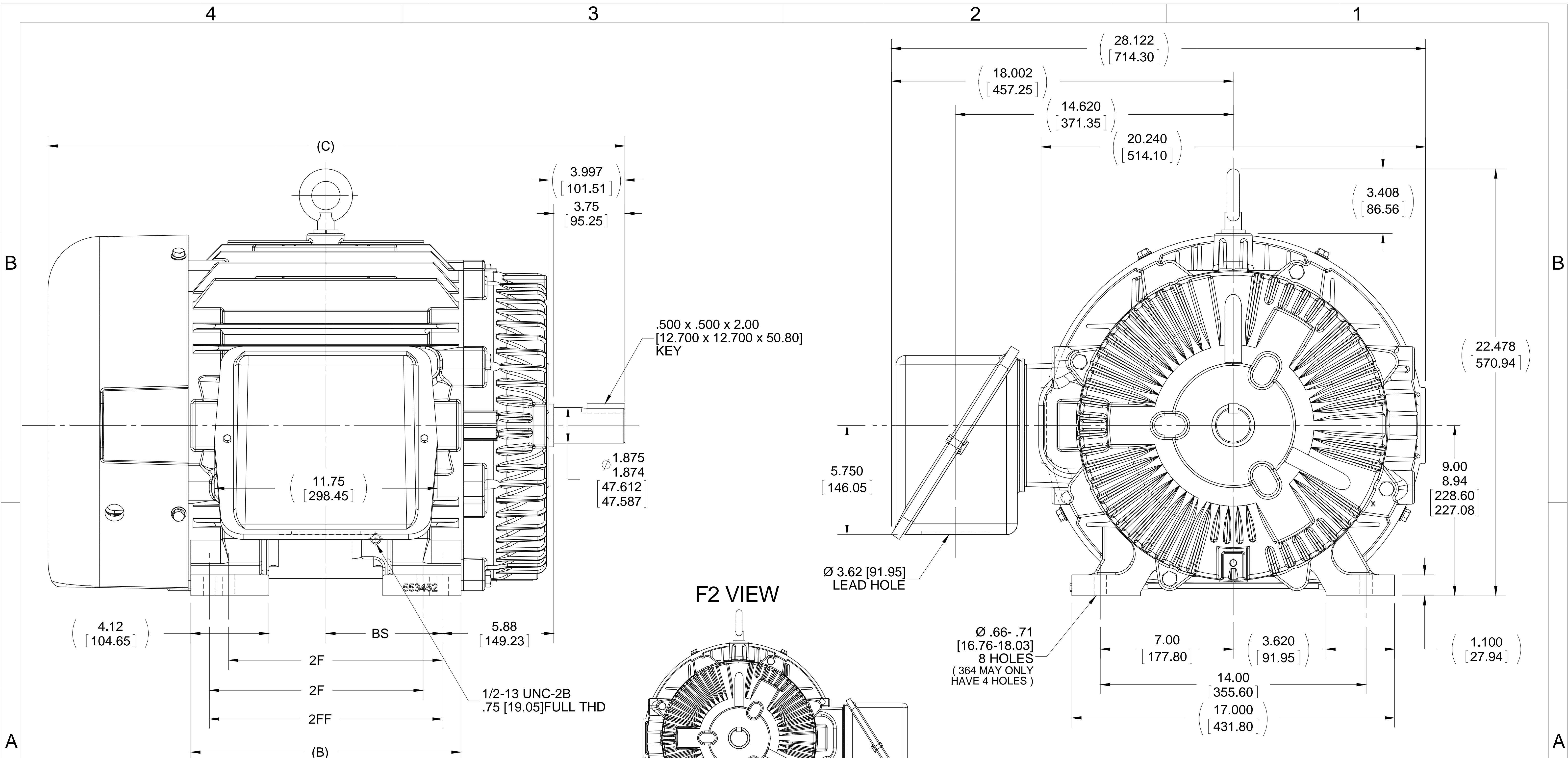
Nameplate Specifications

Output HP	60 Hp	Output KW	45.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	138.0/69.0 A	Speed	3555 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Frame	364TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6313
UL	Listed	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.099 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	29.38 in
Frame Length	13.50 in	Shaft Diameter	1.875 in
Shaft Extension	4.00 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308AA	Outline Drawing	B-SS504620-1350

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- 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.
 4. DIMENSION IN [] DESIGNATE MILLIMETERS.

DASH	FRAME	B	C	2F	2FF	BS
1350	364TS	13.25 [336.55]	29.38 [746.25]	11.25 [285.75]	---	5.62 [142.75]
1450	364/365TS	14.25 [361.95]	30.38 [771.65]	11.25 [285.75]	12.25 [311.15]	6.12 [155.45]

DRAWING REVISION C
 ECO ECO-0074104
 ECO DESCRIPTION
 UPDATED TO CURRENT STANDARDS
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TOLERANCES UNLESS OTHERWISE SPECIFIED:
 DEC. ±0.1 [±2.5]
 .X ±0.1 [±2.5]
 .XX ±0.01 [±0.25]
 .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 [0.51]
 MACHINED SURFACES: 125 INCH 3.2 mm
 mm SHOWN IN [BRACKETS]

DRAWN BY TLB
 DATE 04-29-1988
 APPROVED BY ML
 DATE 04-29-1988
 REFERENCE
 THIRD ANGLE PROJECTION

REGAL™ Regal Beloit America, Inc.
 DESCRIPTION
OUTLINE
 360TS FR.- TEFC- (STD.)
 MATERIAL PROCESS/FINISH
 SIZE B DRAWING NUMBER **SS504620** 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: _____ CUSTOMER P.O. #: _____
 ORDER #: _____ REFERENCE MODEL #: 364TSTFS14009
 CONN. DIAGRAM: A-EE7308AA CAT #: Y1622
 OUTLINE: B-SS504620-1350 CUSTOMER PART #: _____
 WINDING: T364282 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	3600	3555	364TS	TEFC	TFS	F	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	230/460	138/69	VVE START DELTA RU	CONT	F	1.15	40	3300

F.L. EFF	93.0	3/4 LD EFF	93.0	1/2 LD EFF	91.7	GTD EFF	ELECT. TYPE
F.L. PF	88.0	3/4 LD PF	86.0	1/2 LD PF	81.0	91.7	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
88.6 LB-FT	410	140 LB-FT 158%	210 LB-FT 237%	75

@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
78 dBA	87 dBA	6.9 LB-FT ²	40 LB-FT ²	20 SEC.	2	725 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	ODE	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
BALL	BALL						
6316	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
0.071	0.047	0.44	0.454	14.379	0.150	ODE

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

PREPARED BY: FAREEDA DUDEKULA
 DATE: 9/17/2018

Data Sheet

Date: 12/10/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



364TSTFS14009

Submittal

Data @ 460 V

Motor Load Data

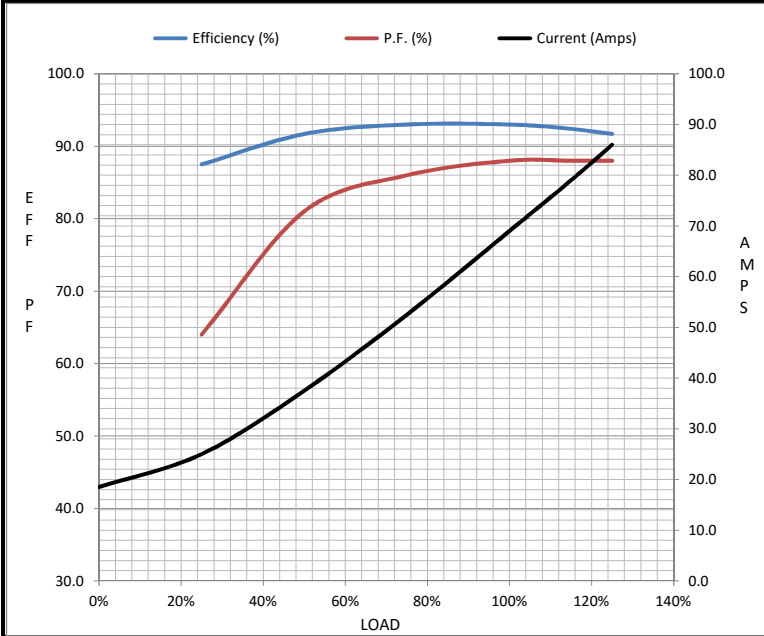
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	18.5	25.0	37.5	52.5	69.0	79.0	86.0	410
Torque (ft-lb)	0.00	22.0	44.0	66.0	88.6	102	111	140
RPM	3600	3590	3580	3570	3555	3550	3545	0
Efficiency (%)		87.5	91.7	93.0	93.0	92.4	91.7	
P.F. (%)	10.0	64.0	81.0	86.0	88.0	88.0	88.0	30.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3375	3555	3600
Current (Amps)	410	375	235	69.0	18.5
Torque (ft-lb)	140	120	210	88.6	0.00

Information Block

HP	60.0			
Sync. RPM	3600			
Frame	364			
Enclosure	TEFC			
Construction	TFS			
Voltage	230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	F			
Service Factor	1.15			
Temp Rise @ FL	75 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	6.9 Lb-Ft ²			
Ref Wdg	T364282 NONE			
Sound Pressure @ 1M	78 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS504620-1350			
Conn. Diag	A-EE7308AA			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0710	0.0470	0.4400	0.4540	14.3790



Speed - Torque Curve

