

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 364TSTD4337

Catalog No: U519A

60 HP Fire Pump Motor, 3 phase, 1800 RPM, 190/380-400 V, 364TS Frame, ODP
Fire Pump Motors



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RegalRexnord

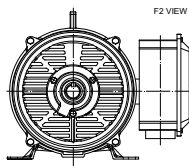
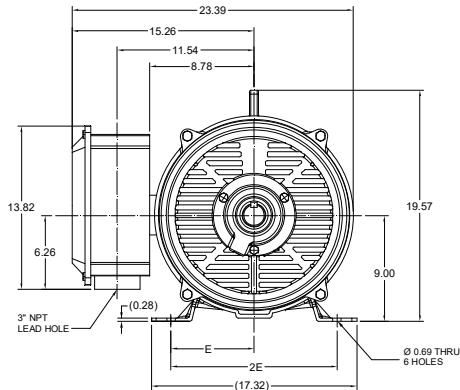
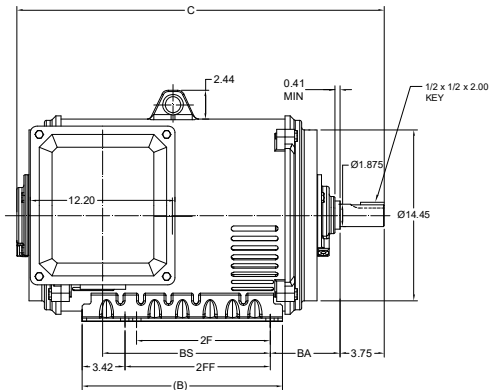
Nameplate Specifications

Output HP	60 Hp	Output KW	45.0 kW
Frequency	60 Hz	Voltage	190/380-400 V
Current	167.0/83.5-80.0 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Power Factor	86
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Frame	364TS	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	50 °C
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6313
UL	Listed	CSA	Y
CE	Y	IP Code	23
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.168 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	29.57 in
Frame Length	17.32 in	Shaft Diameter	1.875 in
Shaft Extension	3.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS620748-364TS	Connection Drawing	EE7308AA

DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	16.93	29.57	7.00	14.00	11.25	12.25	5.88	14.09	F1 OR F2	364TS
200		31.14						15.67		365TS



DRAWING REVISION B	REVISION BY JP	REV DATE / © DATE 27/04/2021
ECO CR-0002338	APPROVED BY GNK	DATE 27/04/2021
ECO DESCRIPTION DRAWING UPDATED		
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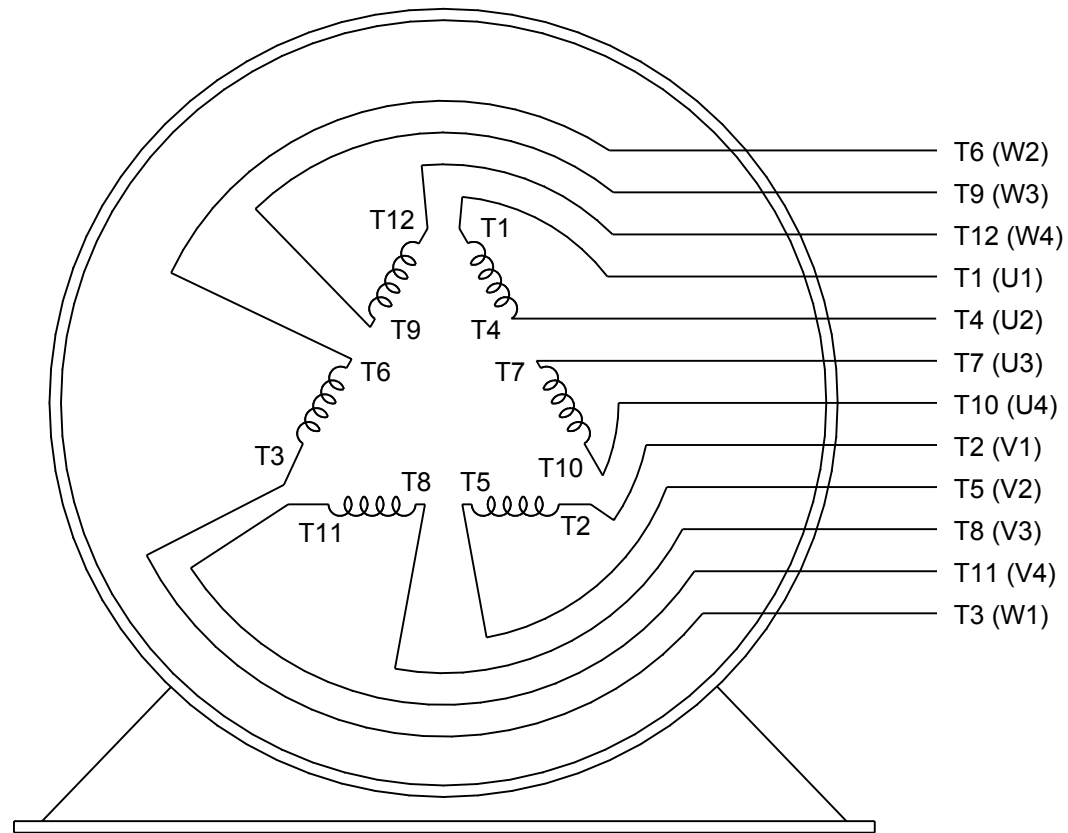
DRAWN BY Xiaowei zhu		
DATE	DESCRIPTION OUTLINE 364/365TS FR-NEMA-ODP-RS	
APPROVED BY	MATERIAL	PROCESS/FINISH
DATE	SIZE B	DRAWING NUMBER SS620748
REFERENCE	THIRD ANGLE PROJECTION	SHEET 1 OF 1



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
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 #: 364TSTD4337
CONN. DIAGRAM: EE7308AA CAT #: U519A
OUTLINE: SS620748 CUSTOMER PART #: _____
WINDING: IE2L2254102 NONE 3 MOUNTING: F1/F2 CAPABLE
SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
60	45	1800	1780	364TS	DP	TDC	F	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	190/380-400	167/83.5-80	WS(LV ONLY) & YDRU	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	86.0	3/4 LD PF	85.0	1/2 LD PF	80.0	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	449	290 LB-FT 164%	372 LB-FT 210%	45

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
75 dBA	84 dBA	0.00 LB-FT²	300 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	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						
BALL	BALL	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6314	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
0.075	0.034	0.333	0.44	16.81	0.150	ODE

* N O T E S *			INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE ENCODER: NONE NONE NONE NONE PPR
PREPARED BY: FAREEDA DUDEKULA DATE: 8/30/2018			BRAKE: NONE NONE NONE FT-LB: NA VOLTAGE: NONE HZ: UL: NONE

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 12/14/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



364TSTD4337

Submittal

Data @ 400 V

Motor Load Data

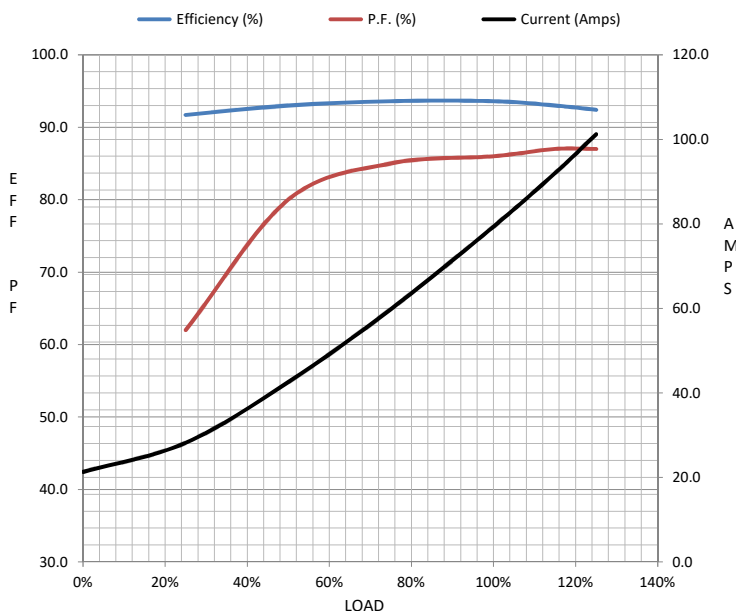
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	21.3	28.2	42.6	59.8	79.4	92.0	101	449	
Torque (ft-lb)	0.00	44.0	88.0	132	177	204	222	290	
RPM	1800	1795	1790	1785	1780	1,775	1772	0	
Efficiency (%)		91.7	93.0	93.6	93.6	93.0	92.4		
P.F. (%)	5.0	62.0	80.0	85.0	86.0	87.0	87.0	38.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1700	1780	1800
Current (Amps)	449	403	242	79.4	21.3
Torque (ft-lb)	290	275	372	177	0.00

Information Block

HP	60.0			
Sync. RPM	1800			
Frame	364			
Enclosure	DP			
Construction	TDC			
Voltage	190/380-400	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		
Ref Wdg	IE2L2254102 NONE			
Sound Pressure @ 1M	75	dBA		
VFD Rating	NONE			
Outline Dwg	SS620748			
Conn. Diag	EE7308AA			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0750	0.0340	0.3330	0.4400	16.8100



Speed -Torque Curve

