

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 365TSTD4303
Catalog No: U527A
100,3600,DP,365TS,3/60/190/380-400YD
Fire Pump



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REGAL

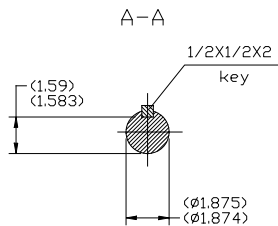
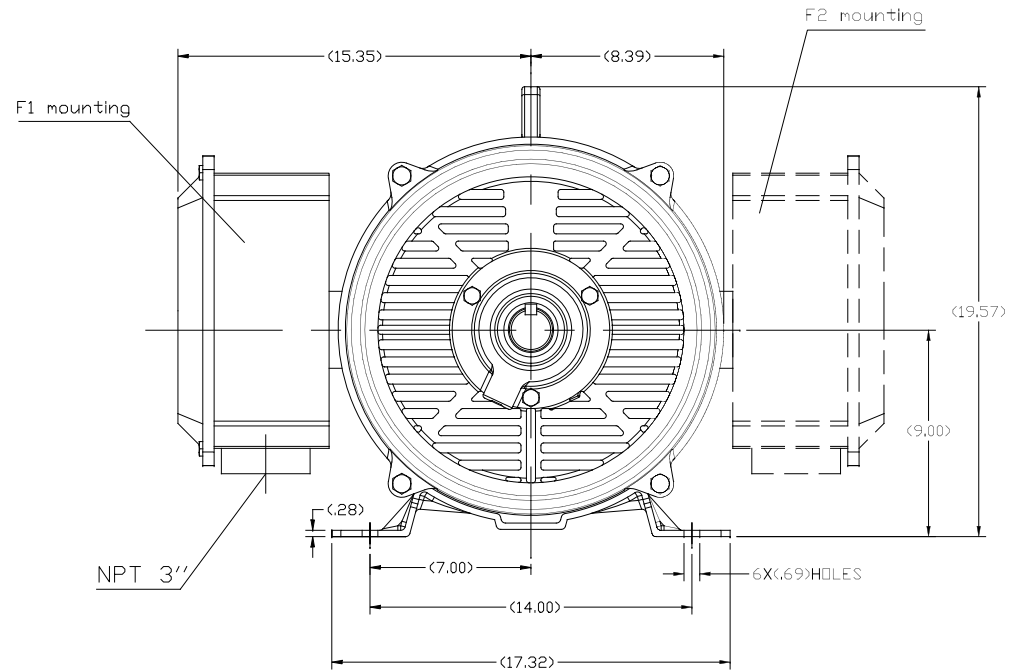
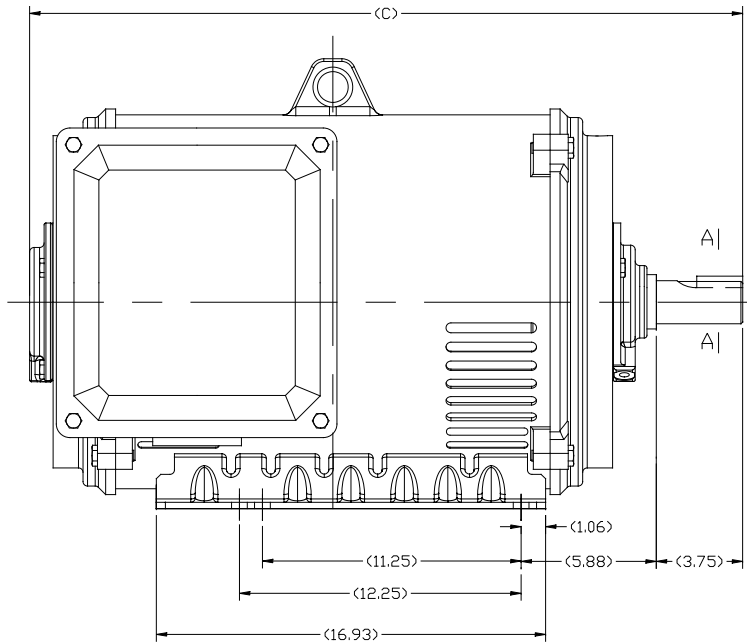
Nameplate Specifications

Output HP	100 Hp	Output KW	75.0 kW
Frequency	60 Hz	Voltage	190/380-400 V
Current	276.0/138.0-132.0 A	Speed	3568 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	F	Frame	365TS
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	50 °C	Drive End Bearing Size	6312
Opp Drive End Bearing Size	6312	UL	No
CSA	Y	CE	Y
IP Code	23		

Technical Specifications

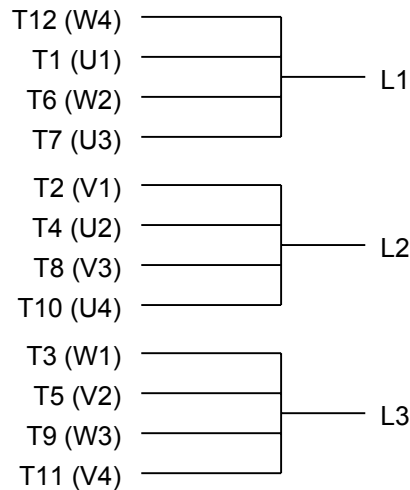
Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	TS
Overall Length	31.14 in	Frame Length	18.89 in
Shaft Diameter	1.875 in	Shaft Extension	3.75 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620748-365TS	Connection Diagram	EE7308AA

SS620748

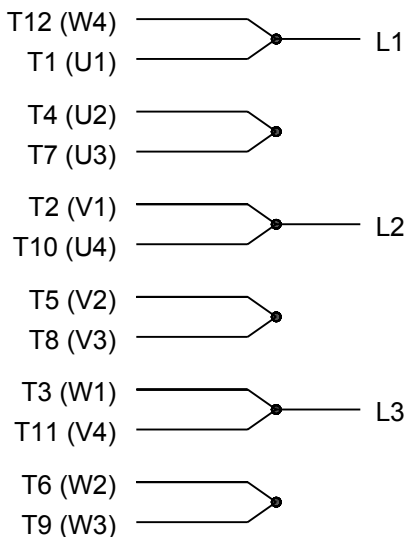


364TS	29.57
365TS	31.14
FRAME	C

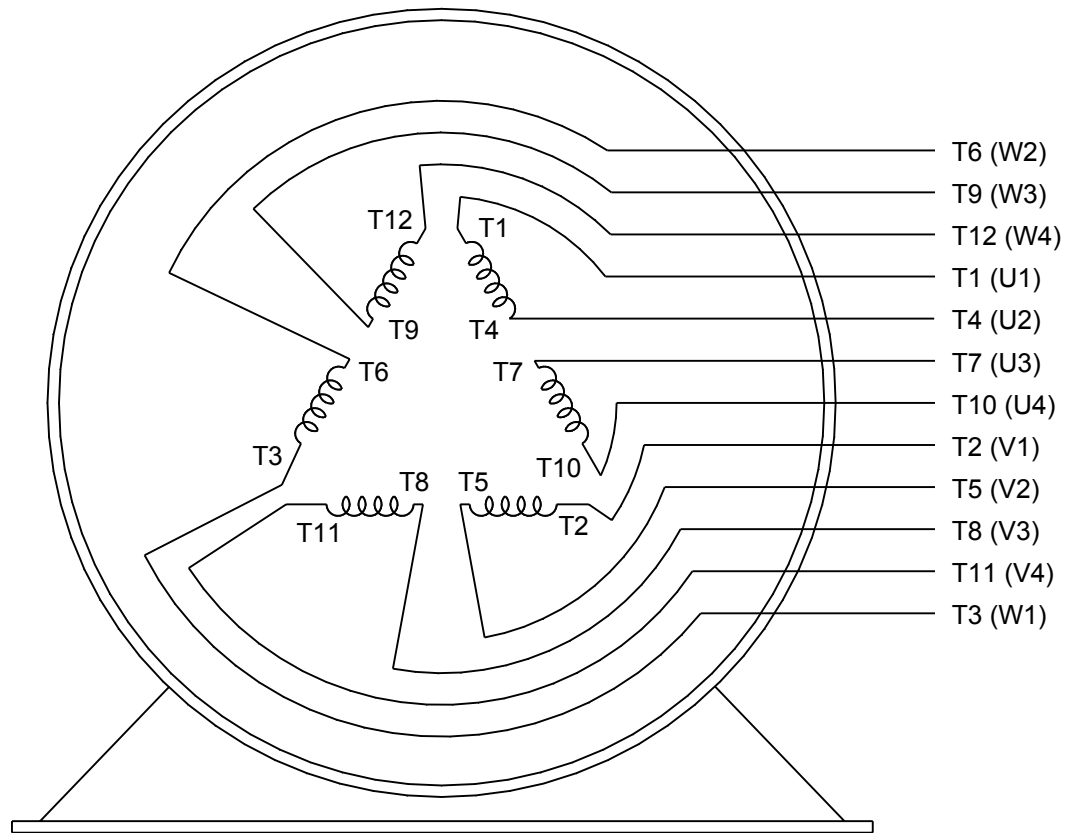
		TOLERANCES UNLESS SPECIFIED		REGAL REGAL-BELOIT CORPORATION	DRAWN Xiaowei Zhu
		DEC.	INCHES		
		.X	±.1		CHK
		.XX	±.03	TITLE	APPD
		.XXX	±.005	364/365TS ODP-ROLLED STEEL	SCALE 1:1
		.XXXX	±.0005	MAT'L	REF
		ANG	±1/2°	FINISH	FMF REGAL-WUXI
NO.	REVISION	BY & DATE	CHK	RFP	PREV
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			DIST		DRAWING NO. SS620748
					REV. 2



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 #: 365TSTD4303

CONN. DIAGRAM: EE7308AA

CAT #: U527A

OUTLINE:

CUSTOMER PART #:

WINDING:

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

	KW	SYNCRPM	FLRPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
HP	75	3600	3568		DP	TDC	F	B
100								

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	190/380-400	276/138-132	WS(LV ONLY) & YDRU	CONT	F	1.15	50	3300
F.L. EFF	93.0	3/4 LD EFF	93.0	1/2 LD EFF	92.4	GTD EFF	ELECT. TYPE		
F.L. PF	86.0	3/4 LD PF	86.0	1/2 LD PF	80.0	91.7	SQ CAGE IND RUN		

F.L. TORQUE		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)	
147	LB-FT	776	235 LB-FT	160%	350 LB-FT	238%	65

@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
999 DBA	1008 DBA	0.00 LB-FT ²	0 LB-FT ²	20 SEC.	2	0 LB.

*** SUPPLEMENTAL INFORMATION ***

CODES TO IDENTIFY THE TYPE OF DAMAGE							
	ODE BRACKET	MOUNT	SEVERE	HABARFOUS	DRIIP	SCREENS	PANT
DE BRACKET TYPE	TYPE	ORIENTATION	DUTY	LOCATION	COVER		
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
6312	6312							

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL
NONE	NOT	NONE	NONE	NONE	FALSE
					SPACE HEATERS
					NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (1/sec)	FLOAT
0.043	0.016	0.163	0.225	6.389	0.150	ODE

[illegible]

PREPARED BY: FAREEDA DUDEKULA DATE: 8/29/2018	BRAKE: NONE		
	NONE	NONE	
	FT.LB:	NA	
	VOLTAGE:	NONE	HZ
FORM: 3531 REV. 4 2/27/06	UL: NONE		

Data Sheet

Date: 8/29/2018

Customer:

Attention:

Submitted by:



3651STD0D4303

Submittal

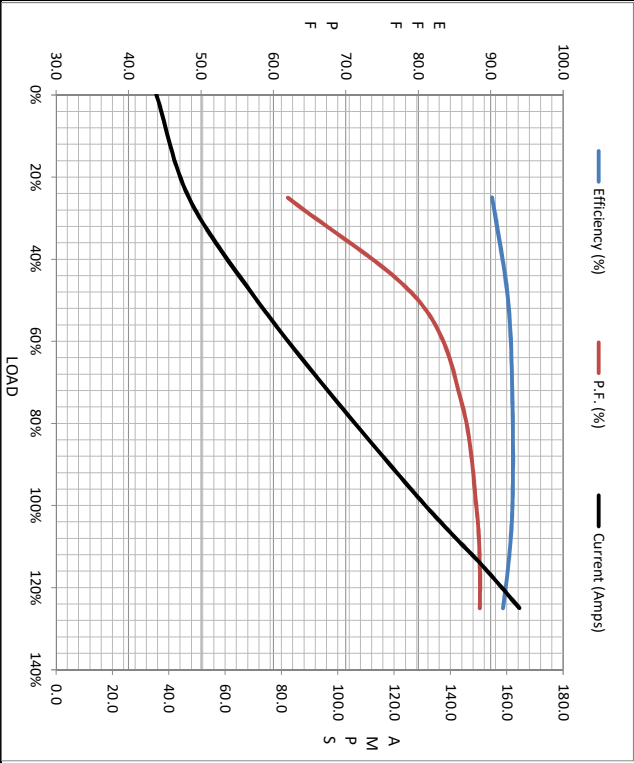
Data @ 400 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	35.7	47.2	71.3	100	131	152	164	776
Torque (ft-lb)	0.00	36.5	73.5	110	147	170	185	235
RPM	3600	3590	3585	3575	3568	3,562	3558	0
Efficiency (%)		90.2	92.4	93.0	93.0	92.4	91.7	
P.F. (%)	6.5	62.0	80.0	86.0	88.0	88.5	88.5	36.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	1800	3450	3568	3600		
Current (Amps)	776	690	472	131	35.7		
Torque (ft-lb)	235	175	350	147	0.00		
						HP	100.0
						Sync. RPM	3600



Efficiency (%)	P.F. (%)	Current (Amps)
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