

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 365TSTD4025
Catalog No: U526A
100,3600,DP,365TS,3/60/230/460
Fire Pump



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REGAL

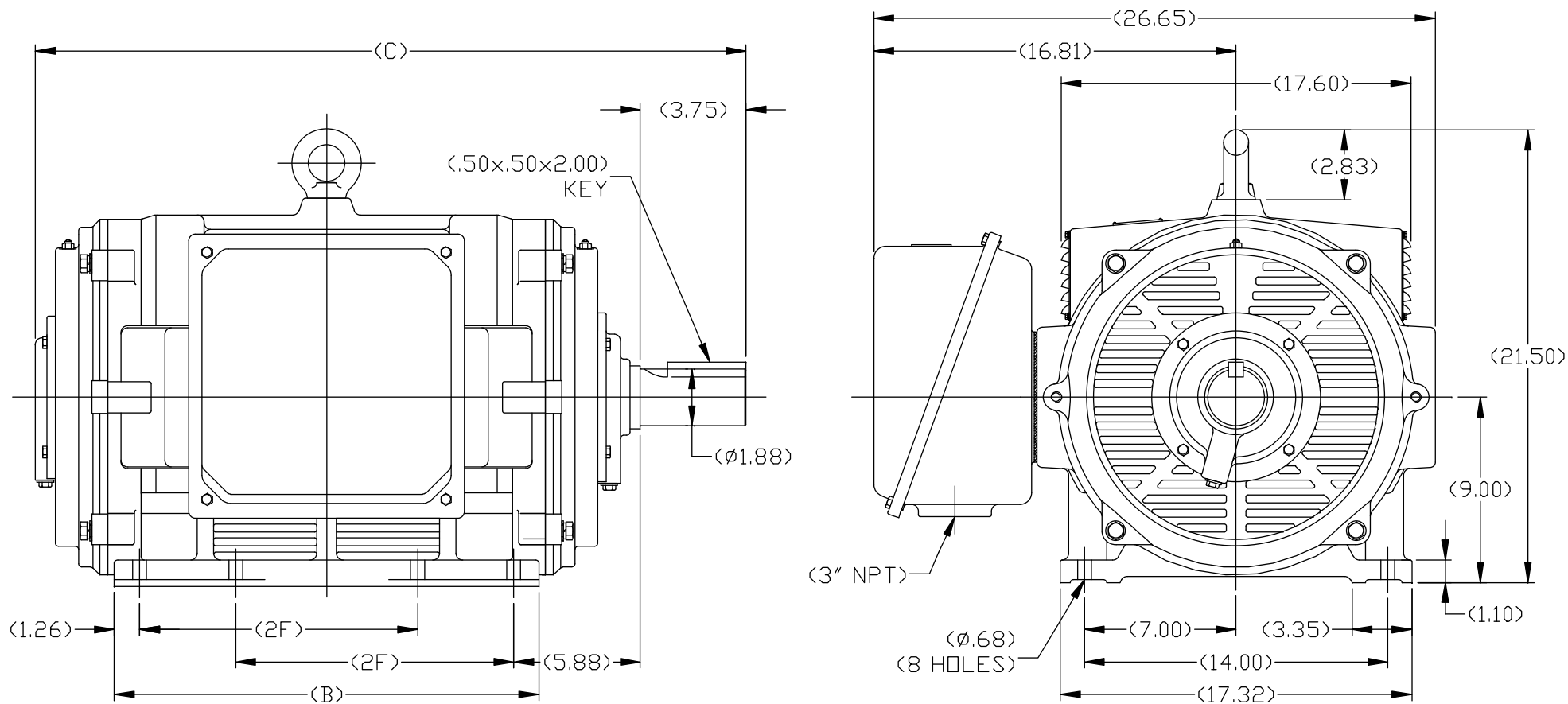


Nameplate Specifications

Output HP	100 Hp	Output KW	75.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	228.0/114.0 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 Low Volt Only & 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	29.57 in	Frame Length	18.89 in
Shaft Diameter	1.875 in	Shaft Extension	3.75 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620113-365TS	Connection Diagram	EE7308AA

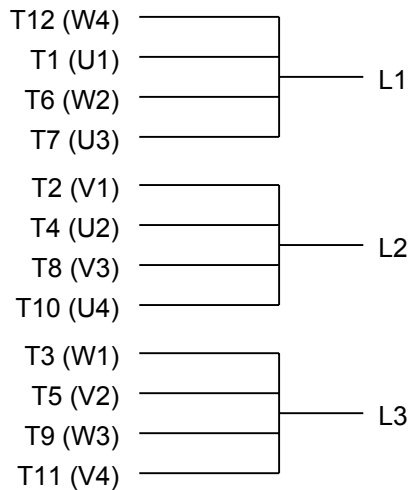


<DIMENSIONS IN TABLE ARE CONSIDERED REFERENCE>

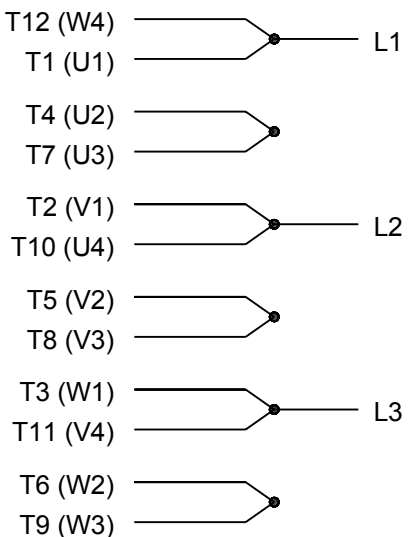
364TSTDCA4026	364TS	29.57	17.32	11.25
365TSTDCA4026	365TS	31.14	18.90	12.25
MODEL	FRAME	C	B	2F

<MAY NOT BE TO SCALE>

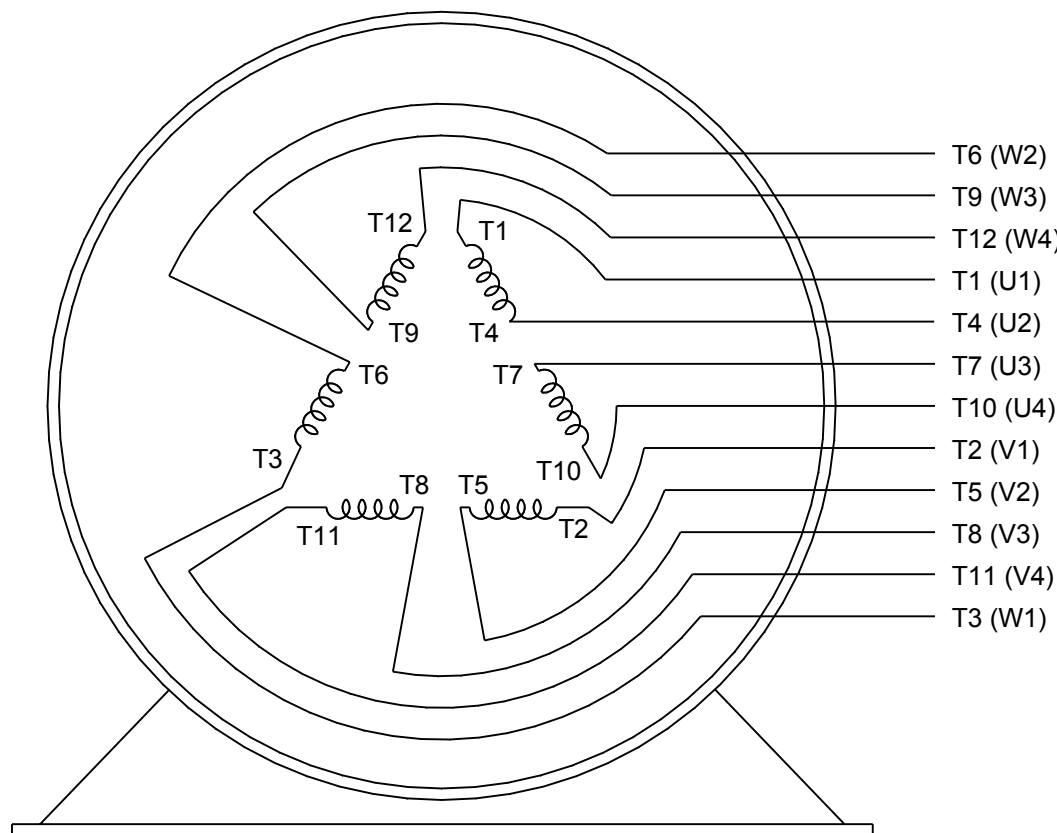
		TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN SB 01-14-2008	
NO.	REVISION	BY & DATE	CHK		CHK	ML 11-09-2007
				.X $\pm .1$	APPD	MSG 11-09-2007
				.XX $\pm .03$	SCALE	1=1
				.XXX $\pm .005$	REF	
				.XXXX $\pm .0005$	FMF	HUADA
				ANG $\pm 1/2$	PREV	
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				DIST	SIZE	DRAWING NO.
					B	SS620113
						REV.



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:

ORDER #:

CONN. DIAGRAM: EE7308AA

OUTLINE: SS620748

WINDING: IE3L2252111

SPEED:

CUSTOMER P.O. #:

REFERENCE MODEL #: 365STDCCD4025

CAT #: U526A

CUSTOMER PART #:

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN					
100	75	3600	3568	365TS	DP	TDC	F	B					
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.				
3	60/50	230/460#190/380	228/114&210/105	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		88.0	3/4 LD PF		86.0	1/2 LD PF		80.0	91.7	SQ CAGE IND RUN			
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)					
147	LB-FT	675		235		LB-FT	350		LB-FT	238%	65		
@ 3 FT.		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME		STARTS/HOUR		MOTOR WGT	
999	DBA	1008	DBA	0.00	LB-FT²	0	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
6312	6312							
THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS		
NONE	NOT	NONE	NONE	NONE	NONE	FALSE		NA
R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)		FLOAT	
0.057	0.021	0.216	0.298	8.449	0.150		ODE	
* N O T E S								
INVERTER TORQUE: NONE								
INV. HP SPEED RANGE: NONE								
ENCODER: NONE								
NONE								
BRAKE: NONE								
FT-LB: NONE								
VOLTAGE: NONE								
UL: NONE								
HZ:								
NONE PPR								

PREPARED BY: FAREEDA DUDEKULA

DATE: 8/20/2018

FORM: 3531 REV_4 2/27/06

Data Sheet

3651STD0CD4025

Date: 8/20/2018

Customer:
Attention:
Submitted by: FAREEDA DUDEKULA



Submital
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	31.0	41.0	62.0	87.0	114	132	143	675
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
Speed (RPM)	0	1800	3450	3568	3600
Current (Amps)	675	600	410	114	31.0
Torque (ft-lb)	235	175	350	147	0.00

HP	100.0
Sync. RPM	3600
Frame	3651B2TFC6080
Enclosure	DP
Construction	TDC
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	F
Service Factor	1.15
Temp Rise @ FL	65 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk²	0.00 Lb-Ft²
Ref Wdg	IE3L2252111 NONE
Sound Pressure @ 1M	999 dBA
VFD Rating	NONE
Outline Dwg	SS620748
Conn. Diag	EE7308AA

Information Block

Additional Specifications:	
0	
0	
	EQUIV CKT (OHMS / PHASE)
	R1R2X1X2Xm
	0.05700.02100.21600.29808.4490

Efficiency (%)	P.F. (%)	Current (Amps)
90.0	60.0	40.0
80.0	70.0	50.0
70.0	80.0	60.0
60.0	90.0	70.0
50.0	100.0	80.0
40.0	110.0	90.0
30.0	120.0	100.0
20.0	130.0	110.0
10.0	140.0	120.0
0.0	150.0	130.0
0.0	160.0	140.0

Outline Dwg	SS620748
Conn. Diag	EE7308AA
Additional Specifications:	
0	
0	
	EQUIV CKT (OHMS / PHASE)
	R1R2X1X2Xm
	0.05700.02100.21600.29808.4490

Speed -Torque Curve

