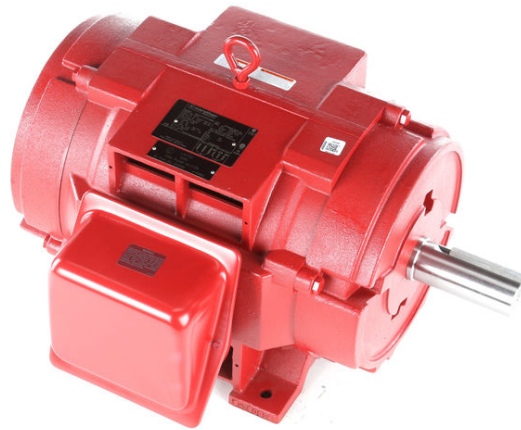


PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 284TTDBD4047
Catalog No: U599
25,1800,DP,284T,3/60/190/380-400
Fire Pump



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REGAL

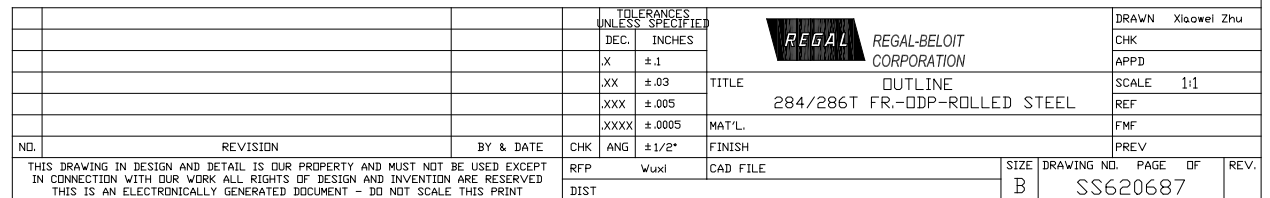


Nameplate Specifications

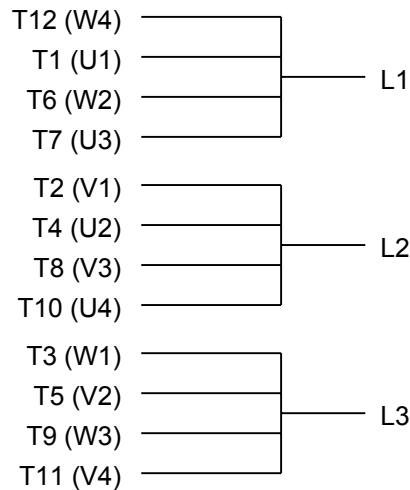
Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	190/380-400 V
Current	74.0/36.5-34.5 A	Speed	1772 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	284T
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	50 °C	Drive End Bearing Size	6311
Opp Drive End Bearing Size	6210	UL	No
CSA	Y	CE	Y
IP Code	23		

Technical Specifications

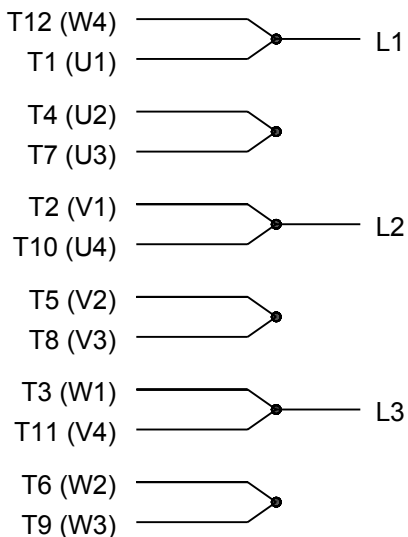
Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start Low Volt Only & Wye Start Delta Run
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	25.71 in	Frame Length	12.59 in
Shaft Diameter	1.875 in	Shaft Extension	4.62 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620687-284T	Connection Diagram	EE7308AA



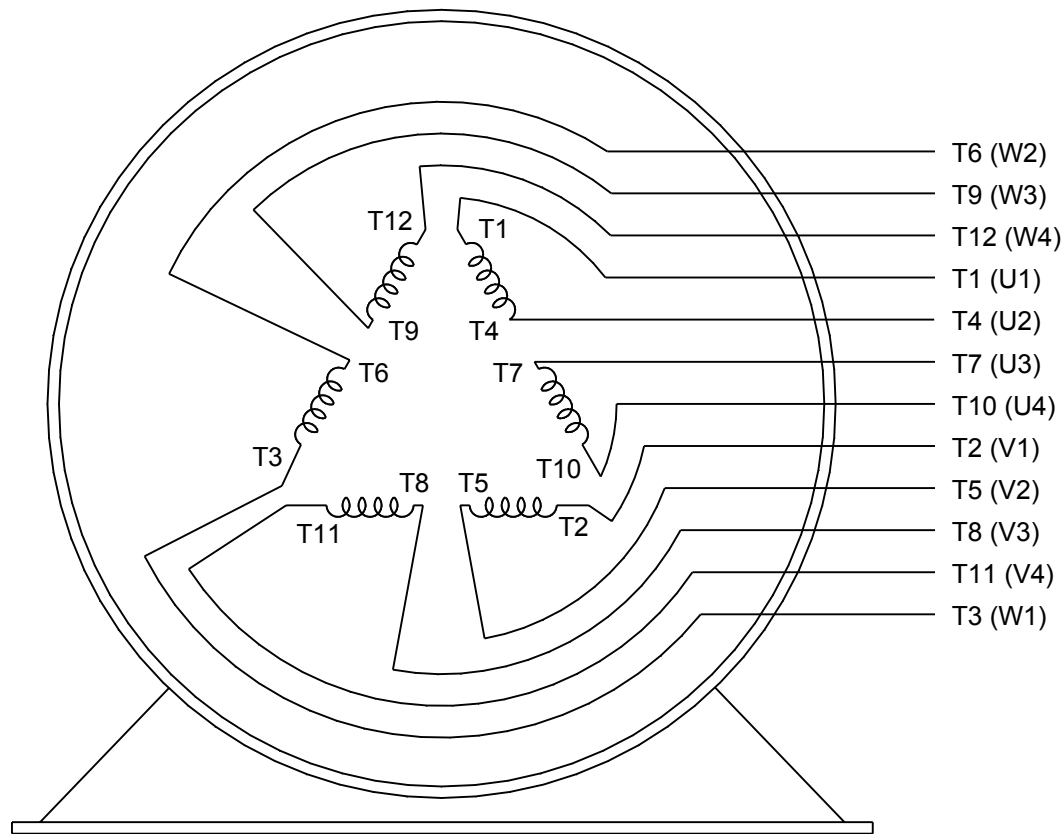
				TOLERANCES UNLESS SPECIFIED	 REGAL-BELOIT CORPORATION		DRAWN	Xiaowei Zhu
			DEC.	INCHES			CHK	
			X	±.1			APPD	
			XX	±.03	TITLE	OUTLINE	SCALE	1:1
			.XXX	±.005	284/286T FR.-ODP-ROLLED STEEL		REF	
			.XXXX	±.0005	MAT'L.		F/MF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	PREV	
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				DIST			PAGE OF	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	THIRD ANGLE PROJECTION
DATE 01-12-1994	
APPROVED BY GK	
DATE 01-14-1994	
REFERENCE	

 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 #:	284TTDBD4047
CONN. DIAGRAM:	EE7308AA	CAT #:	U599
OUTLINE:	SS620687	CUSTOMER PART #:	
WINDING:	IE3L1804110	NONE	3
SPEED:		MOUNTING:	F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN			
25	18.7	1800	1772	284T	DP	TDC	F	B			
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.		
3	60	190/380-400	74/36.5-34.5	WS(LV ONLY) & YDRU	CONT	F	1.15	50	3300		
F.L. EFF		91.7	3/4 LD EFF		91.7	1/2 LD EFF		91.0	GTD EFF		
F.L. PF		83.0	3/4 LD PF		79.0	1/2 LD PF		69.0	90.2		
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)			
74.0	LB-FT	201		120		LB-FT	162%	170	LB-FT	230%	
@ 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	LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAIN									
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	T	NONE	NONE	1045 HOT ROLLED (C-204)		ROLLED STEEL									
6311	6210																
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)												
0.266	0.111	0.66	0.806	16.592	0.150												
				ODE													
* N O T E S																	
INVERTER TORQUE: NONE																	
INV. HP SPEED RANGE: NONE																	
ENCODER: NONE																	
NONE																	
NONE																	
BRAKE: NONE																	
FT-LB: NONE																	
VOLTAGE: NONE																	
UL: NONE																	
HZ:																	
PREPARED BY: FAREEDA DUDEKULA																	
DATE: 8/30/2018																	
FORM: 3531 REV 4 2/27/06																	

Data Sheet

Date: 8/30/2018

Customer:

Attention:

Submitted by:

FAREEDA DUDEKULA



284TTDBD4047

Submittal

Data @ 400 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	14.4	16.1	21.3	27.6	35.1	40.3	43.7	201
Torque (ft-lb)	0.00	18.5	37.0	55.5	74.0	85.5	93.0	120
RPM	1800	1792	1786	1780	1772	1,768	1762	0
Efficiency (%)		88.5	91.0	91.7	91.7	91.0	90.2	
P.F. (%)	5.0	47.0	69.0	79.0	83.0	85.0	85.0	44.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	900	1675	1772	1800		
Current (Amps)	201	161	115	35.1	14.4	HP	25.0
Torque (ft-lb)	120	105	170	74.0	0.00	Sync. RPM	1800

