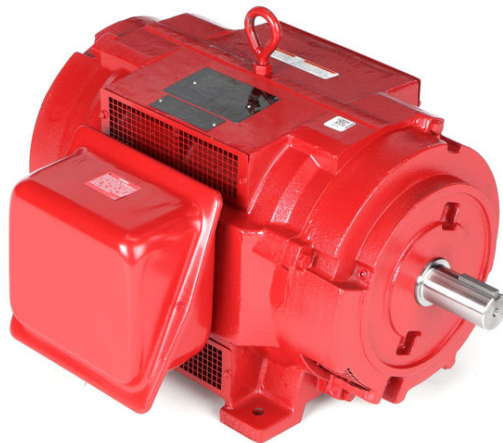


PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 284TSTDBD4002
Catalog No: U597
30,3600,DP,284TS,3/60/230/460
Fire Pump



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REGAL

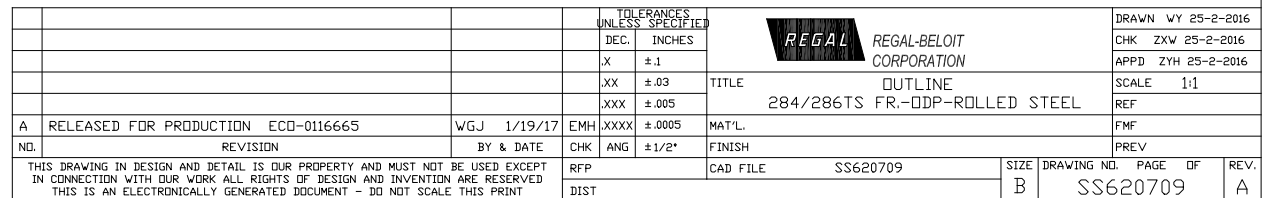


Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	230/460 V
Current	72.0/36.0 A	Speed	3560 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	F	Frame	284TS
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	50 °C	Drive End Bearing Size	6211
Opp Drive End Bearing Size	6211	UL	No
CSA	Y	CE	Y
IP Code	23		

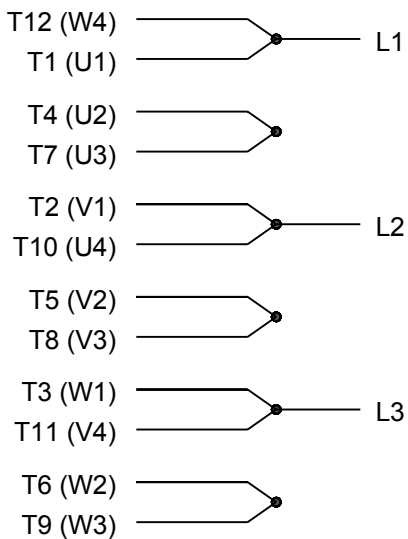
Technical Specifications

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	Rolled Steel	Shaft Type	TS
Overall Length	24.34 in	Frame Length	12.59 in
Shaft Diameter	1.625 in	Shaft Extension	3.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620709-284TS	Connection Diagram	EE7308AA

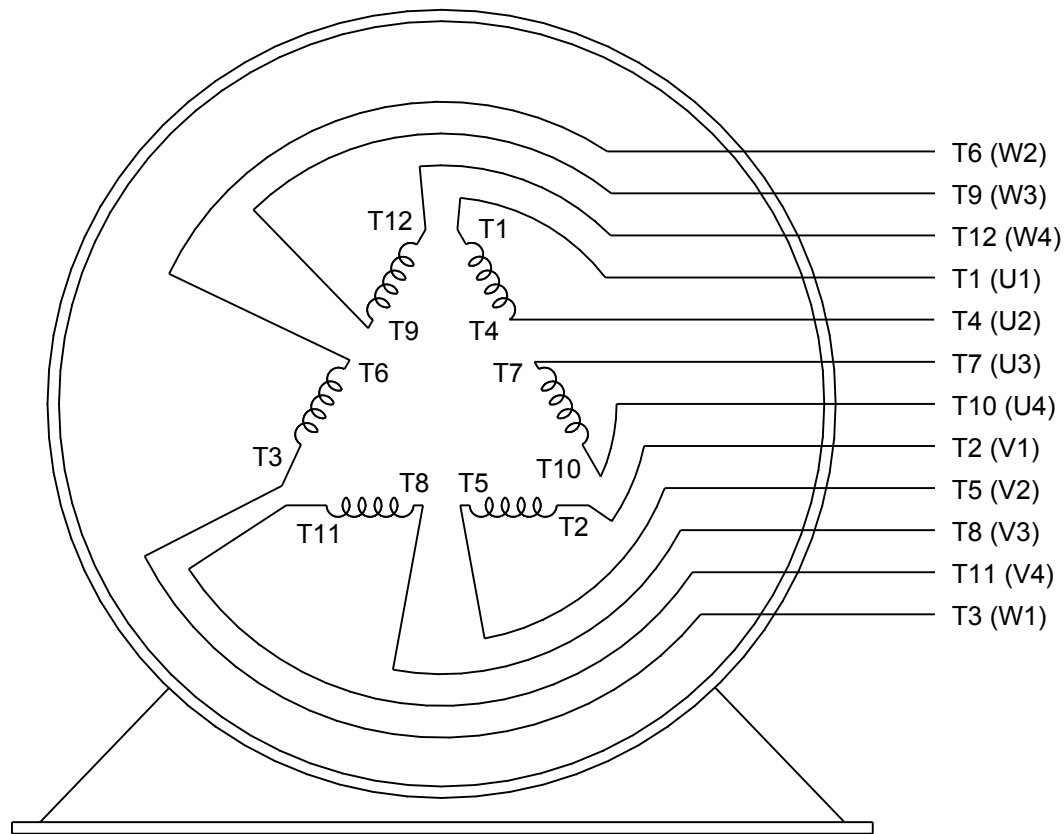




LOW VOLTAGE



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 #:	284TSTDDBD4002
CONN. DIAGRAM:	EE7308AA	CAT #:	U597
OUTLINE:	SS620709	CUSTOMER PART #:	
WINDING:	IE3L1802110	MOUNTING:	F1/F2 CAPABLE
SPEED:			

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
30	22.4	3600	3560	284TS	DP	TDC	F	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	72/36&72/36	WS(LV ONLY) & YDRU	CONT	F	1.15	50	3300
F.L. EFF		91.0	3/4 LD EFF	91.0	1/2 LD EFF	89.5	GTD EFF	ELECT. TYPE	
F.L. PF		86.0	3/4 LD PF	82.0	1/2 LD PF	74.0	90.2	SQ CAGE IND RUN	
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)	
44.5 LB-FT		205		62.0 LB-FT		110 LB-FT		247%	
@ 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	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	TS	NONE	NONE	1045 HOT ROLLED (C-204)		ROLLED STEEL				
6211	6211											
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					
0.227	0.095	0.672	0.757	20.869	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												
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



2841STDBD4002

Submittal

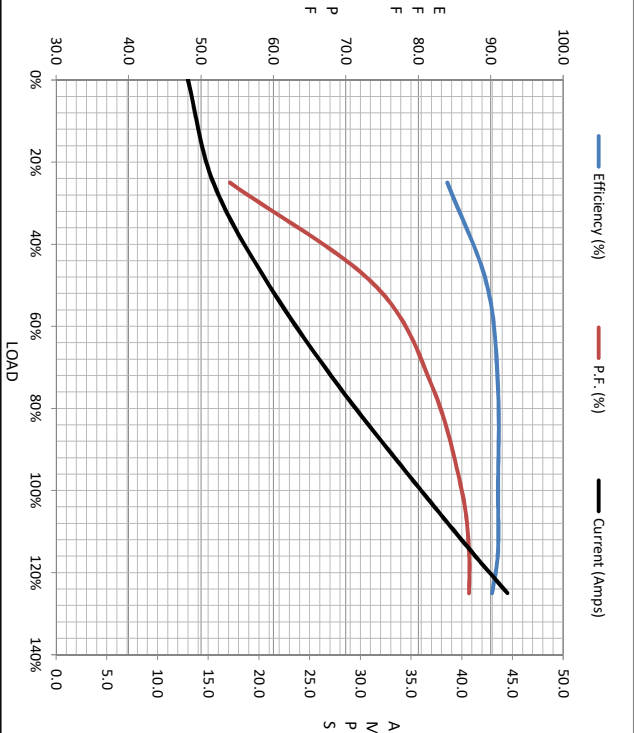
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	13.0	15.5	21.0	28.0	36.0	41.0	44.5	205
Torque (ft-lb)	0.00	11.0	22.0	33.0	44.5	51.0	55.5	62.0
RPM	3600	3590	3580	3570	3560	3550	3545	0
Efficiency (%)		84.0	89.5	91.0	91.0	91.0	90.2	
P.F. (%)	8.0	54.0	74.0	82.0	86.0	87.0	87.0	36.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	1800	3350	3560	3600		
Current (Amps)	205	180	125	36.0	13.0		
Torque (ft-lb)	62.0	52.0	110	44.5	0.00		
						HP	30.0
						Sync. RPM	3600



Speed - Torque Curve

