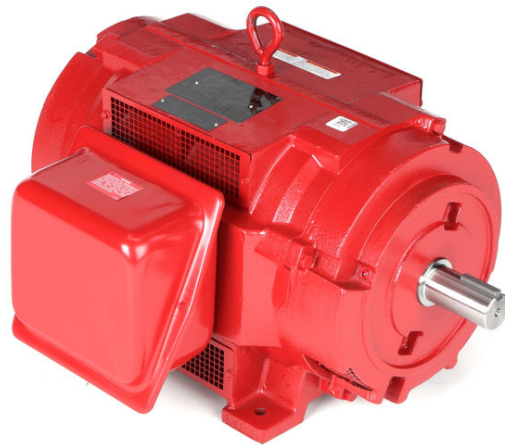


PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 284TSTDBD4007
Catalog No: U596
30,3600,DP 284TS,3/60/190/380-400
Fire Pump



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REGAL[®]



Nameplate Specifications

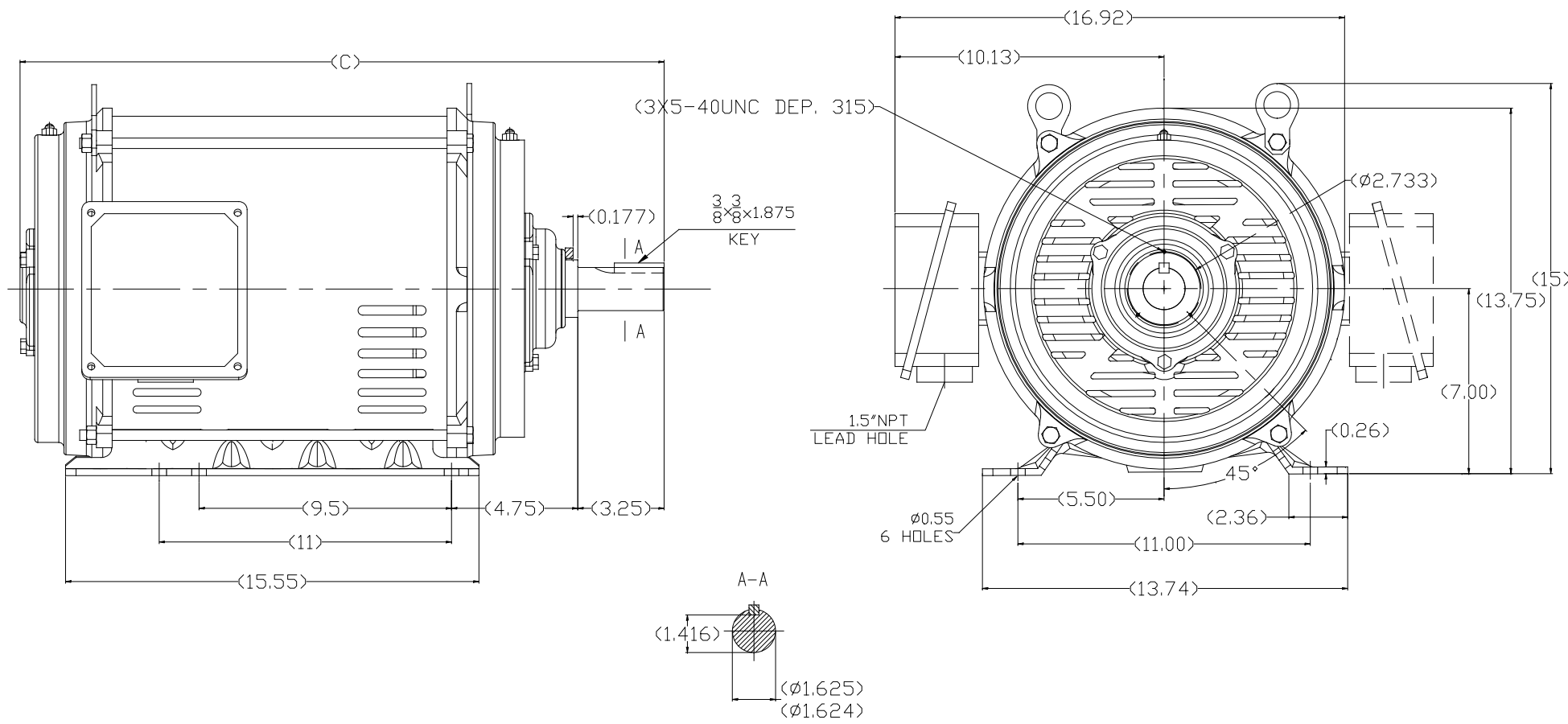
Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	190/380-400 V
Current	87.0/43.5-41.0 A	Speed	3560 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	F	Frame	284TS
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	50 °C	Drive 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

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SS620709



284TS	24.34	YES
286TS	25.72	YES
FRAME	C	F1/F2

		TOLERANCES UNLESS SPECIFIED				DRAWN WY 25-2-2016	
		DEC.	INCHES			CHK ZXW 25-2-2016	
		.X	±.1			APPD ZYH 25-2-2016	
		.XX	±.03			SCALE 1:1	
		.XXX	±.005	TITLE		REF	
A		.XXXX	±.0005	MATERIAL		FMF	
NO.		REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE		SS620709
				DIST	SIZE	DRAWING NO.	PAGE OF REV.
					B	SS620709	A



LOW VOLTAGE



HIGH VOLTAGE



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 P.O. #:
 ORDER #: EE7308AA REFERENCE MODEL #: 284TSTDDBD4007
 CONN. DIAGRAM: SS620709 CAT #: U596
 OUTLINE: IE3L1802110 NONE 3 CUSTOMER PART #:
 WINDING: IE3L1802110 NONE 3 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	190/380	87/43.5	WS(LV ONLV) & 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	248	62.0 LB-FT	110 LB-FT	247%		
@ 3 FT.	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	START/SHOUR	MOTOR WGT
999 DBA	1008 DBA	0.00 LB-FT ²	0 LB-FT ²	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 BALL 6211	ODE BALL 6211	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)		ROLLED STEEL

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
0.155	0.065	0.438	0.516	14.241	0.150	ODE

* N		INVERTER TORQUE: NONE	
O		INV. HP SPEED RANGE: NONE	
T		ENCODER: NONE	
E		NONE	
S		BRAKE: NONE	
.		NONE	
		FT-LB: NA	
		VOLTAGE: NONE	
		UL: NONE	

PREPARED BY: FAREEDA DUDEKULA
 DATE: 8/21/2018
 FORM: 3531 REV 4 2/27/06

Data Sheet

2841STDBD4007

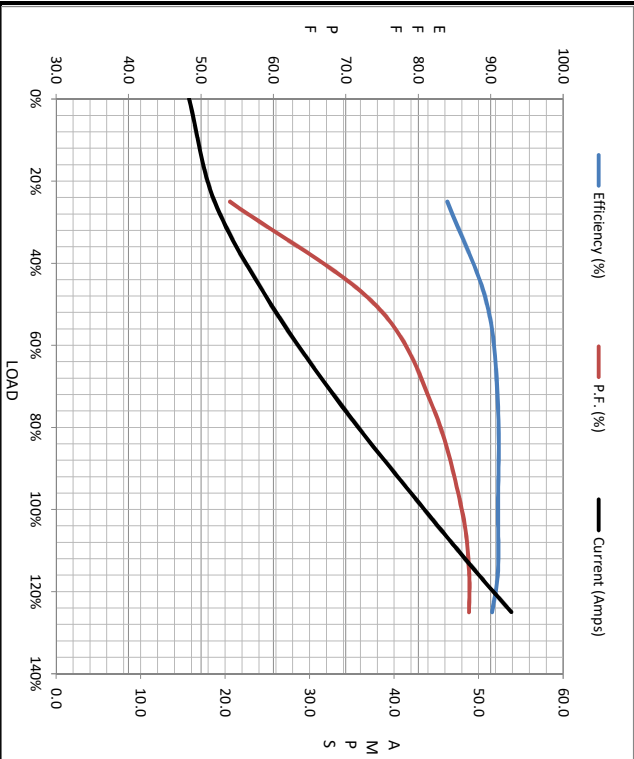


Date: 8/21/2018
 Customer:
 Attention:
 Submitted by: FAREEDA DUDEKULA

Submital
 Data @ 380 V

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	15.7	18.8	25.4	33.9	43.6	49.6	53.9	248	
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						Information Block																			
LR	Pull-Up	BD	Rated	Idle		HP	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Motor/Shaft wk ²	Ret Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Com. Diag	Additional Specifications:
	0	1800	3350	3600		30.0	2841B2TFC6080	DP	TDC	190/380	60	B	F	1.15	40	CONT	40	1,000	0.00	IE3L1802110	999	NONE	SS620709	EE7308AA	
Speed (RPM)	0	1800	3350	3600	3600																				
Current (Amps)	248	218	151	43.6	15.7																				
Torque (ft-lb)	62.0	52.0	110	44.5	0.00																				



EQV CKT (OHMS / PHASE)	R1	R2	X1	X2	Xm
	0.1550	0.0850	0.4580	0.5160	14.2410

