

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 284TTDBD6085
Catalog No: GT2460
15,1200,DP,284JP,3/60/230/460
JP



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REGAL

Nameplate Specifications

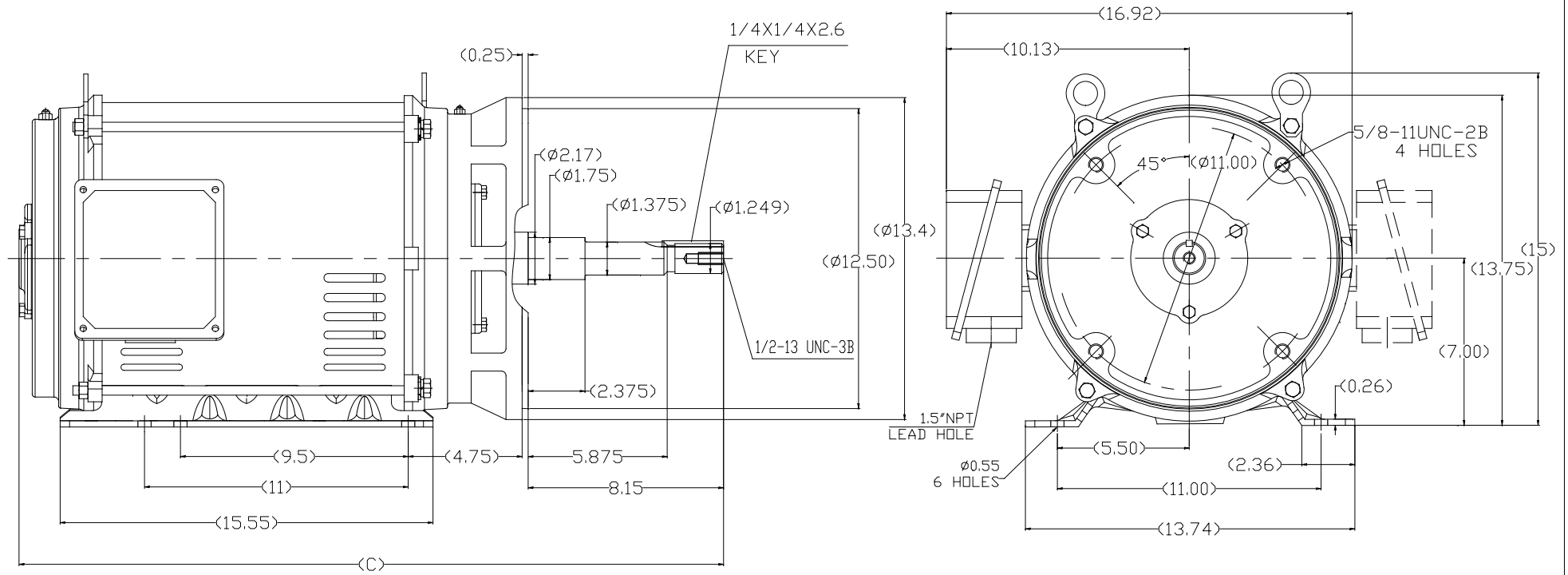
Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	41.0/20.6 A	Speed	1184 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	284JPV
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6311
Opp Drive End Bearing Size	6211	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal Or Shaft Down
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	JP
Overall Length	29.53 in	Frame Length	12.59 in
Shaft Diameter	1.249 in	Shaft Extension	8.4 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	SS620826-284T	Connection Diagram	EE7308AA

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SS620826



284T	29.53	YES
286T	30.91	YES
FRAME	C	F1/F2

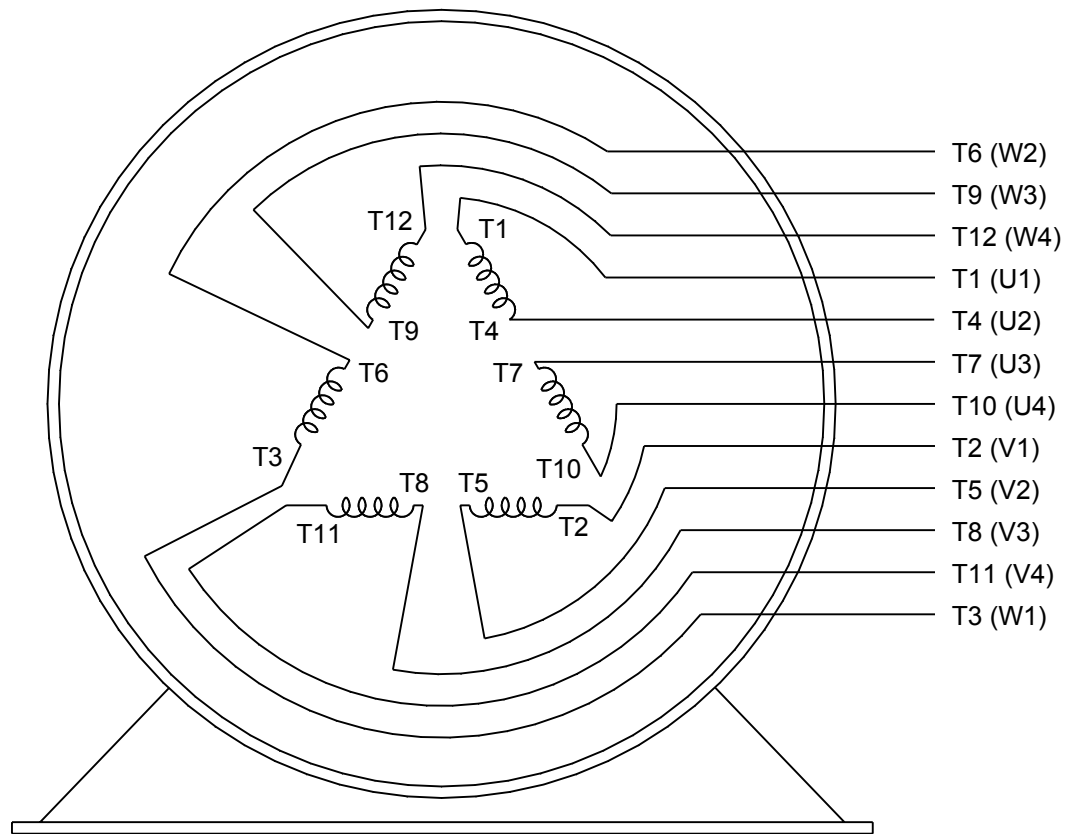
		TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN ZXW 17-04-2017 CHK WY 17-04-2017 APPD ZYH 17-04-2017 SCALE 1:1 REF FMF PREV
DEC.	INCHES	.X	±.1		
.XX	±.03	.XXX	±.005		
.XXXX	±.0005				
ANG	±1/2°	FINISH			
NO.	REVISION	BY & DATE	CHK	RFP	
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			RFP	RFP	
			DIST	DIST	
			CAD FILE	SS620826	SIZE B
			DRAWING NO.	SS620826	PAGE 0F
			DIST	DIST	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**

CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER

PO #:

ORDER #:

MODEL #: 284TTDBD6085

AA

CONN. DIAGRAM: EE7308AA

CUSTOMER PART

#:

OUTLINE: SS620826-284

MOUNTING: F1/F2 CAPABLE

WINDING #: HE31806008

2

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
158.10	11.2&7.50	1200	1184&988	284JPV	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	41/20.6&35/17.5	Y START D RUN OR INV	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	91.7&91	3/4 LOAD EFF:	91.7	1/2 LOAD EFF:	90.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	74.5&72	3/4 LOAD PF:	67.5	1/2 LOAD PF:	54.5	91	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
66.6 LB-FT	224 / 112	117 LB-FT 176 %	176 LB-FT 264 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
65 DBA	75 DBA	4.8 LB-FT^2	- LB-FT^2	15 SEC.	2	335 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	D RIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL OR SHAFT DOWN	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE	DE ODE					
BALL BALL	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6311 6211						

THERMO-PROTECTORS				THERMISTORS			SPACE HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs					
NONE	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS	

*

INVERTER

TORQUE: CONSTANT 2:1/VARIABLE 20:1

INV. HP SPEED RANGE: NONE

N

ENCODER: NONE

O

NONE NONE PPR

T

BRAKE: NONE NONE

E

NONE P/N NONE

S

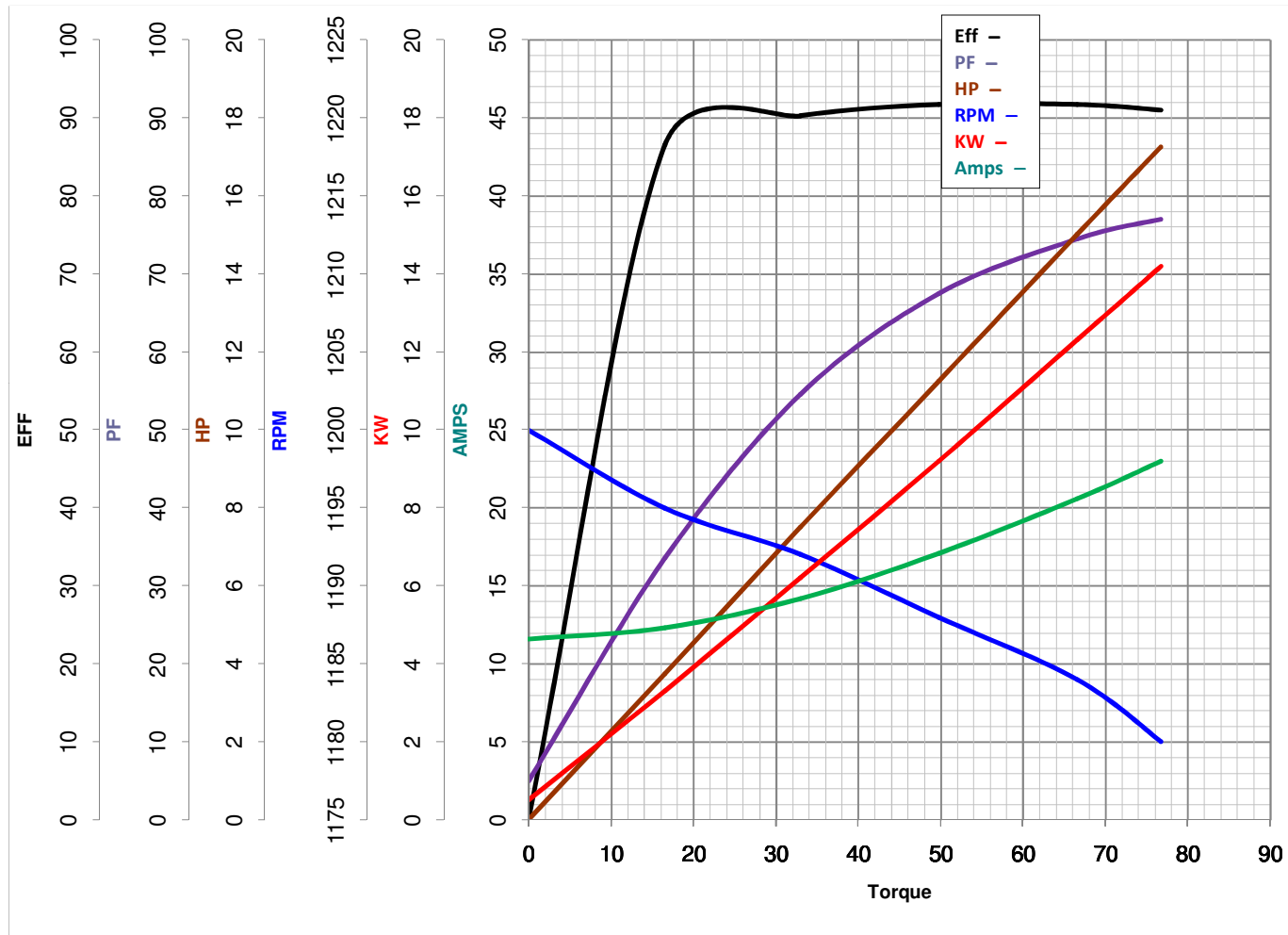
NONE FT-LB NONE V NONE HZ

*

PREPARED BY: Fareeda Dudekula
DATE: 05/04/2018 04:56:00 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer**Curve at**460**Volts****HP** 15&10**PHASE** 3**Model No** 284TTDBD608560**HZ**15**HP****VOLTS** 230/460&190/380**Catalog No** GT2460**HZ** 60&50**RPM** 1184&988

Torque in Lb.Ft

FL TORQUE 66.6 Lb.Ft**BD TORQUE** 176.0 Lb.Ft**LR TORQUE** 117 Lb.Ft**FL AMPS** 41/20.6**PU TORQUE** 99.0 Lb.Ft**LR AMPS** 112**WINDING** HE31806008-2**Prepared By**

FAREEDA

Date 5/4/2018