

PRODUCT INFORMATION PACKET

Model No: 284TSTDBD6026

Catalog No: GT0066

25 HP General Purpose Motor, 3 phase, 1800 RPM, 230/460 V, 284TS Frame, ODP
Three Phase ODP Motors



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REGAL

Nameplate Specifications

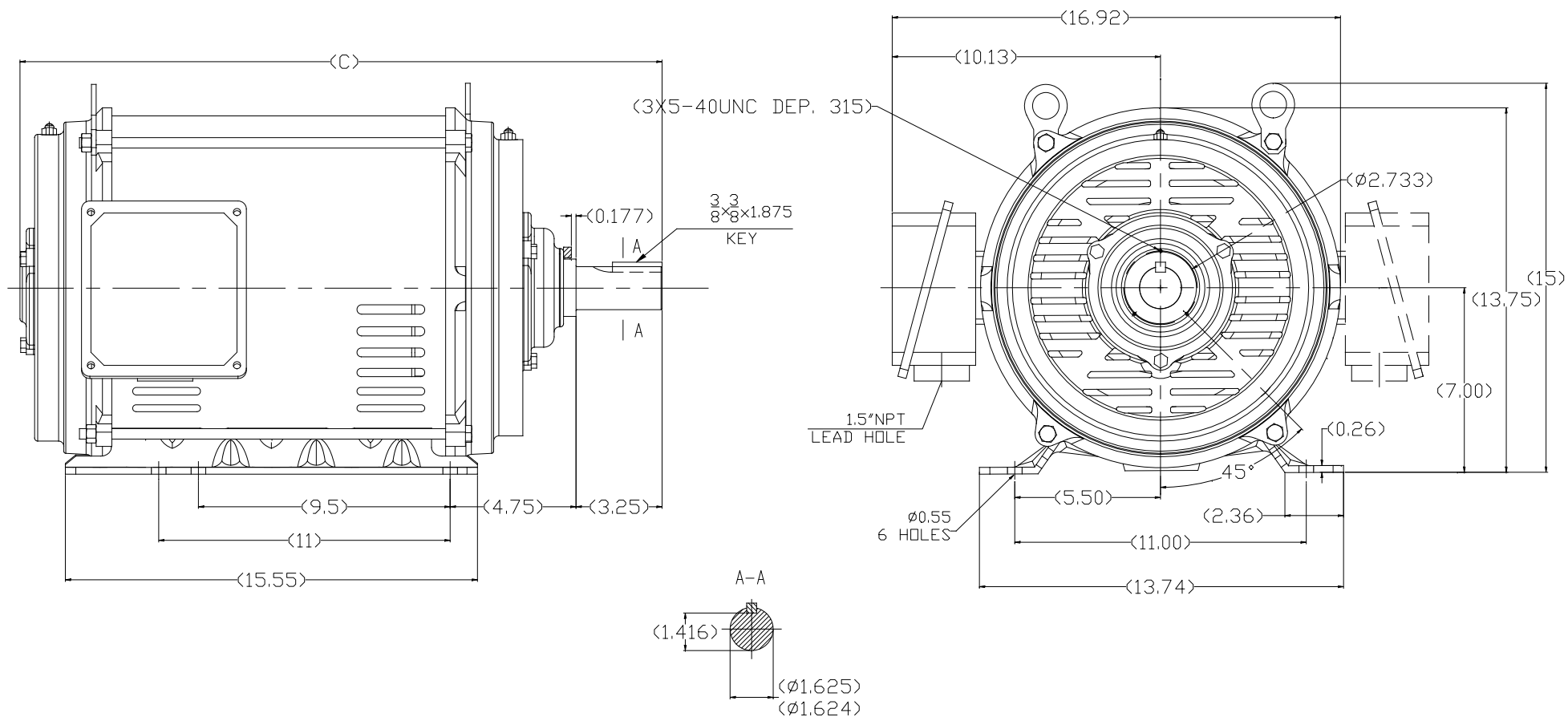
Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	62.0/31.0 A	Speed	1775 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Power Factor	81.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	284TS	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
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	4	Rotation	Reversible
Resistance Main	.3657 Ohms	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	3.427 in	Assembly/Box Mounting	F1/F2 CAPABLE

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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	RELEASED FOR PRODUCTION ECD-0116665	WGJ	1/19/17	EMH	.XXXX ±.0005	MAT'L.	FMF
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	PREV
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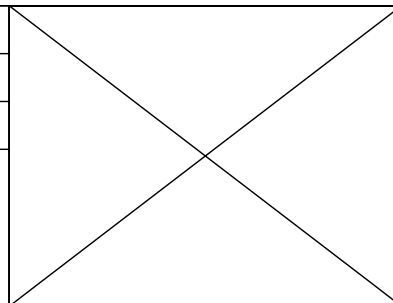
LOW VOLTAGE



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**

CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER

ORDER #:

PO#:

CONN. DIAGRAM: EE7308AA

MODEL #: 284TSTDBD6026 AA

OUTLINE: SS620709-284TS

CUSTOMER PART

WINDING #: HE31804012 2

#:

MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25&20	18.7&14.9	1800	1775&1475	284TS	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	62/31&60/30	Y START D RUN OR INV	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	93.6&93	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	92.4	GTD. EFF	93	ELEC. TYPE	SQ CAGE INV RATED
FULL LOAD PF:	81.5&82	3/4 LOAD PF:	76	1/2 LOAD PF:	65				

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
74 LB-FT	362 / 181	142 LB-FT 192 %	167 LB-FT 225 %	37

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	4.2 LB-FT^2	150 LB-FT^2	20 SEC.	2	383 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (EPOXY)

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
6311	6210						

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

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INVERTER TORQUE: VARIABLE 10:1
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

PREPARED BY: Anusha Muthyala
DATE: 09/24/2019 01:46:28 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 25&20

PHASE 3

Model No 284TSTDBD6026

60

HZ

VOLTS 230/460&190/380

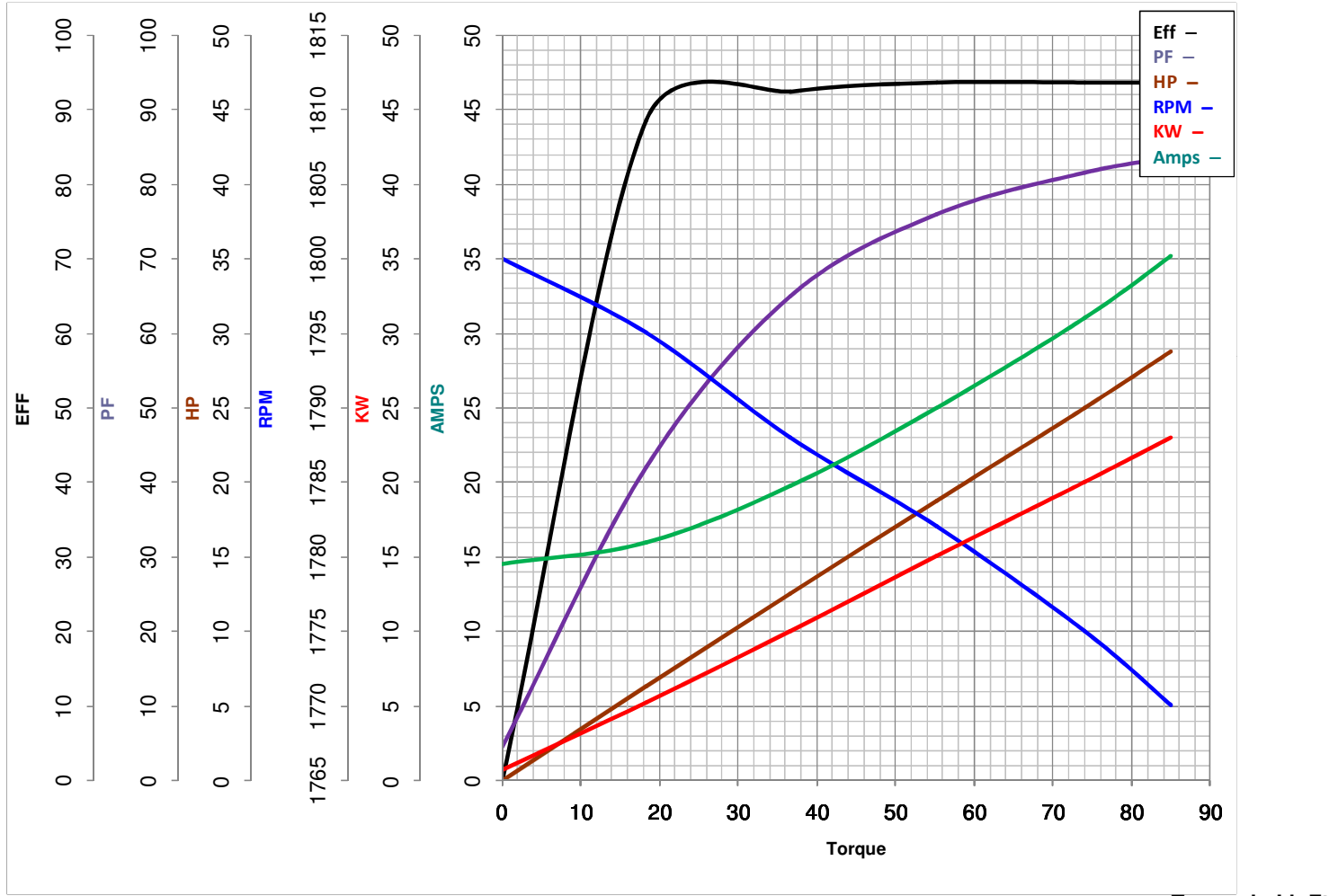
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HP

Catalog No GT0066

HZ 60&50

RPM 1775&1475



FL TORQUE	<u>74</u>	Lb.Ft	FL AMPS	<u>62/31</u>	
BD TORQUE	<u>167.0</u>	Lb.Ft	PU TORQUE	<u>118.0</u>	Lb.Ft
LR TORQUE	<u>142</u>	Lb.Ft	LR AMPS	<u>181</u>	
WINDING	HE31804012-2		Date	6/7/2018	