

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 326TSTDBD6026
Catalog No: GT0078
50,1800,DP,326TS,3/60/230/460
Open Drip Proof (ODP)



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REGAL[®]



Nameplate Specifications

Output HP	50 Hp	Output KW	37.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	118.0/59.0 A	Speed	1780 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	326TS
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6312
Opp Drive End Bearing Size	6312	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
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	TS
Frame Length	15.74 in	Shaft Diameter	1.875 in
Shaft Extension	3.75 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS620744	Connection Diagram	EE7308AA

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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:
ORDER #:
CONN. DIAGRAM:
OUTLINE:
WINDING #:

CUSTOMER PO #:
MODEL #:
CUSTOMER PART #:
MOUNTING:

EE7308AA
SS620744
HE32004010 2
F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
50840	37.0830.0	1800	1780&1480	326TS	DP	G	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB° C
3	60/50	230/460&190/380	118/59&114/57	Y START D RUN OR INV	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	94.5&94.1	3/4 LOAD EFF:	95	1/2 LOAD EFF:	94.5	GTD. EFF	94.5	ELEC. TYPE
FULL LOAD PF:	84&84.5	3/4 LOAD PF:	79.5	1/2 LOAD PF:	69.5	94.5	SQ CAGE INV RATED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE° C
147 LB-FT	710 / 355	274 LB-FT 185 %	363 LB-FT 245 %	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT LBS.
75 DBA	85 DBA	10.5 LB-FT^2	- LB-FT^2	20 SEC.	2	575

***** 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 (ENAMEL)
BEARINGS DE ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL		
BALL BALL 6312 6312	POLYREX EM	TS	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL		

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

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: 06/07/2018 07:40:23 AM

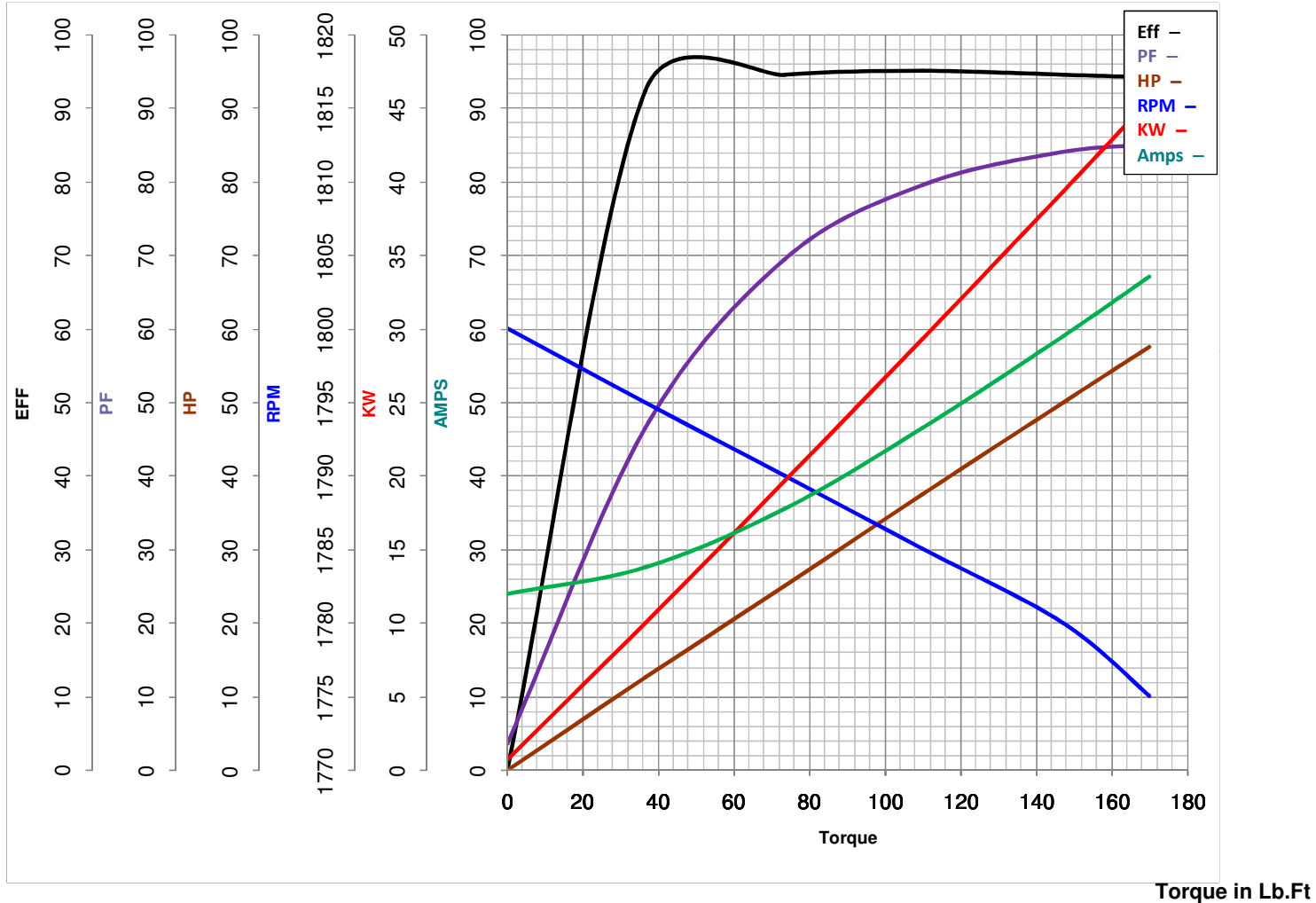
FORM 3531 REV.3 02/07/99

** Subject to change without notice.

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer _____ Curve at 460 Volts HP 50&40 PHASE 3
 Model No 326TSTDBD6026 60 HZ
50 HP VOLTS 230/460&190/380
 Catalog No GT0078 HZ 60&50 RPM 1780&1480



FL TORQUE	<u>147</u>	Lb.Ft	FL AMPS	<u>118/59</u>
BD TORQUE	<u>363.0</u>	Lb.Ft	PU TORQUE	<u>240.0</u>
LR TORQUE	<u>274</u>	Lb.Ft	LR AMPS	<u>355</u>
WINDING	HE32004010-2		Date	<u>6/7/2018</u>