

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 326TTFCD6013
Catalog No: GT3536A
50,3600,TEFC,326JP,3/60/575
JP



Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies.
©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E

REGAL[®]



Nameplate Specifications

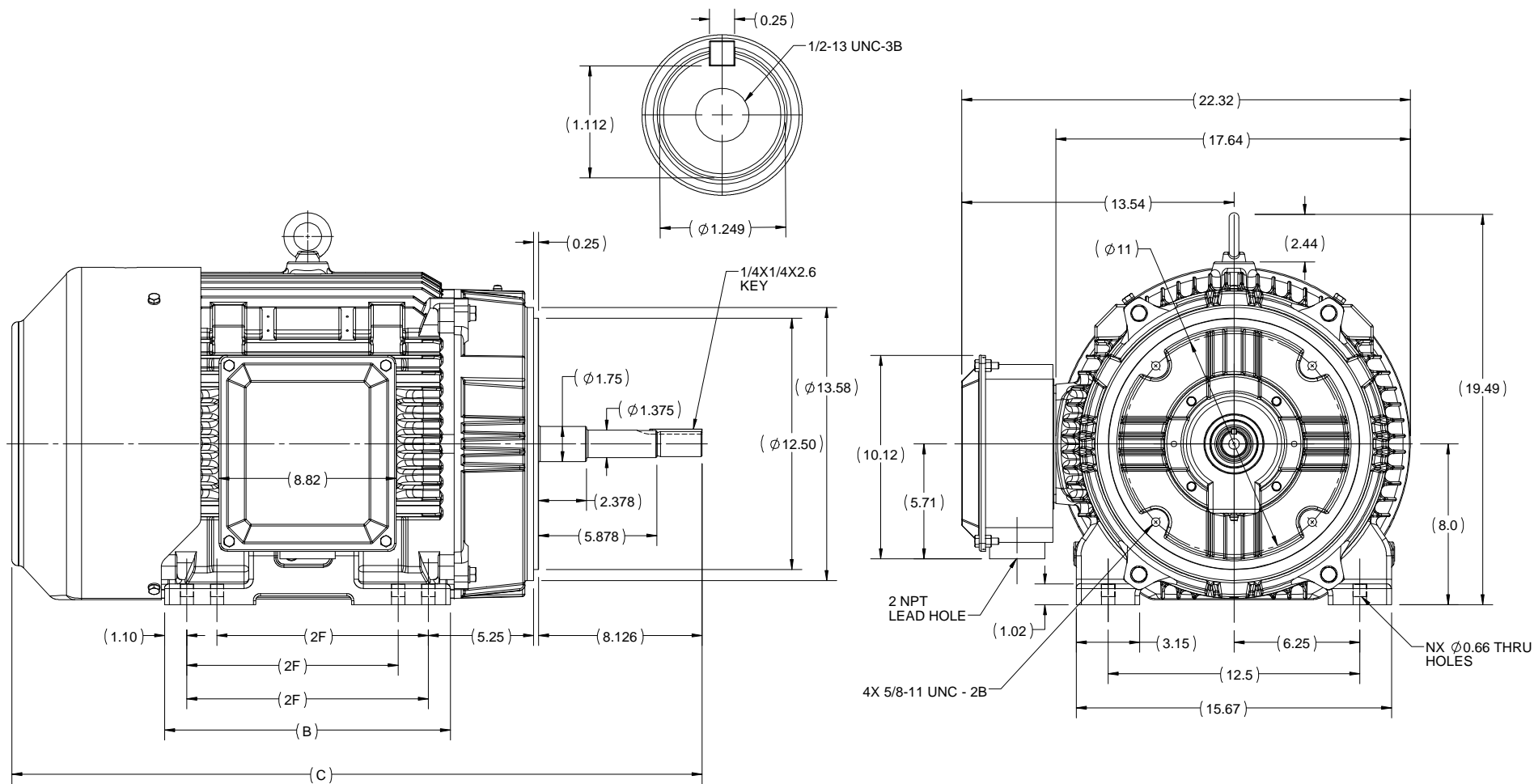
Output HP	50 Hp	Output KW	37.0 kW
Frequency	60 Hz	Voltage	575 V
Current	45.0 A	Speed	3568 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	326JP
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6312
Opp Drive End Bearing Size	6212	UL	Listed
CSA	Y	CE	Y
IP Code	55		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	JP
Frame Length	14.56 in	Shaft Diameter	1.296 in
Shaft Extension	10.98 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS620813	Connection Diagram	EE7300

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 07/02/2018

OUTLINE



DRAWING REVISION B	REVISION BY GNK	DATE 20/04/2018
ECO ECO-0143698	APPROVED BY SBD	DATE 20/04/2018

ECO DESCRIPTION
UPDATED EXTENSION DIMENSIONS
 COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED.
 PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF
 REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY
 INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED,
 BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED
 TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT
 AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL
 BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN
 RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.

DRAWN BY SN	DATE 17/04/2017
APPROVED BY SBD	DATE 17/04/2017
REFERENCE	

REGAL™ Regal Beloit America, Inc.

DESCRIPTION
OUTLINE
 TEFC-324/326 JP FR- CAST IRON

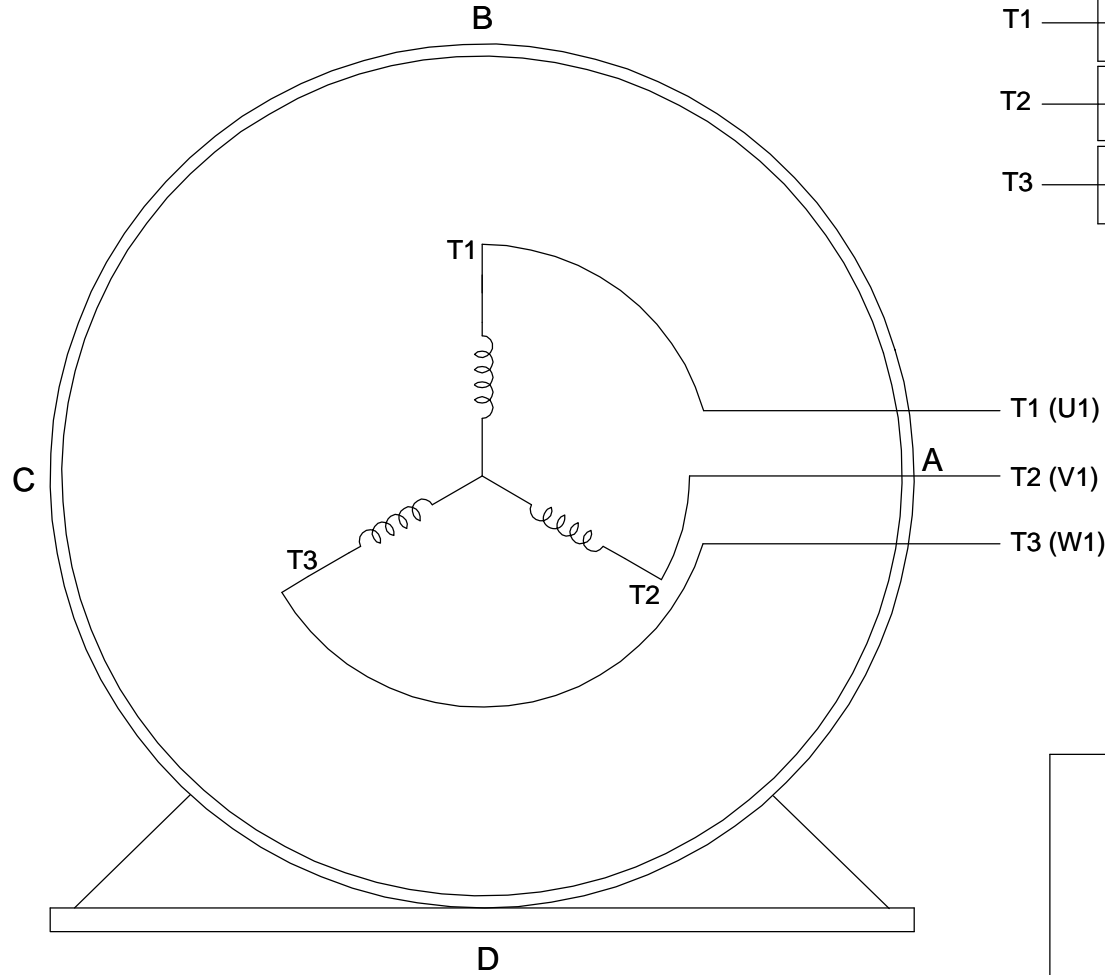
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS620813
THIRD ANGLE PROJECTION	SHEET 1 OF 1

326-JP	14.21	34.32	12.0	8
324-JP	12.71	32.82	10.5	4
FRAME	B	C	2F	N

**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

**TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.**

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**




A-9806 DECAL

**OPTIONAL CORD
CONNECTION**

- L1 WHITE
- L2 RED
- L3 BLACK

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
<small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>		



DRAWN BY DA	 Regal Beloit America, Inc.
DATE 03-26-1993	
APPROVED BY TB	DESCRIPTION CONNECTION DIAGRAM
DATE 03-26-1993	EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR
REFERENCE	MATERIAL
PROCESS/FINISH	
THIRD ANGLE PROJECTION 	SIZE A
DRAWING NUMBER EE7300	SHEET 1 OF 1



**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

CERTIFICATION DATA SHEET

CUSTOMER: CUSTOMER PO #:
ORDER #: MODEL #: 326TTFCD6013 AA
CONN. DIAGRAM: EE7300 CUSTOMER PART #:
OUTLINE: SS620813 MOUNTING: F1/F2 CAPABLE
WINDING #: HE32002007 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
50	37.0	3600	3568	326JP	TEFC	G	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	45	LINE OR INVERTER	CONTINUOUS	F7	1.15	40

FULL LOAD EFF:	93	3/4 LOAD EFF:	93.6	1/2 LOAD EFF:	93	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	89	3/4 LOAD PF:	86.5	1/2 LOAD PF:	79	92.4		SQ CAGE INV RATED

F.L. TORQUE LB-FT	LOCKED ROTOR AMPS	L.R. TORQUE LB-FT	180 %	B.D. TORQUE LB-FT	280 %	F.L. RISE°C
73.5	289.6	133		207		65

SOUND PRESSURE @ 3 FT. DBA	SOUND POWER DBA	ROTOR WK^2 LB-FT^2	MAX. WK^2 LB-FT^2	SAFE STALL TIME SEC.	STARTS / HOUR	APPROX. MOTOR WGT LBS.
75	85	5.4	27	15	2	750

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	DIVISION 2	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6312	6212						

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

INVERTER
TORQUE: CONSTANT 4:1/VARIABLE 20:1
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: Fareeda Dudekula
DATE: 05/29/2018 07:31:44 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

575

Volts

HP 50.00

PHASE 3

Model No 326TTFCD6013

60

HZ

VOLTS 575

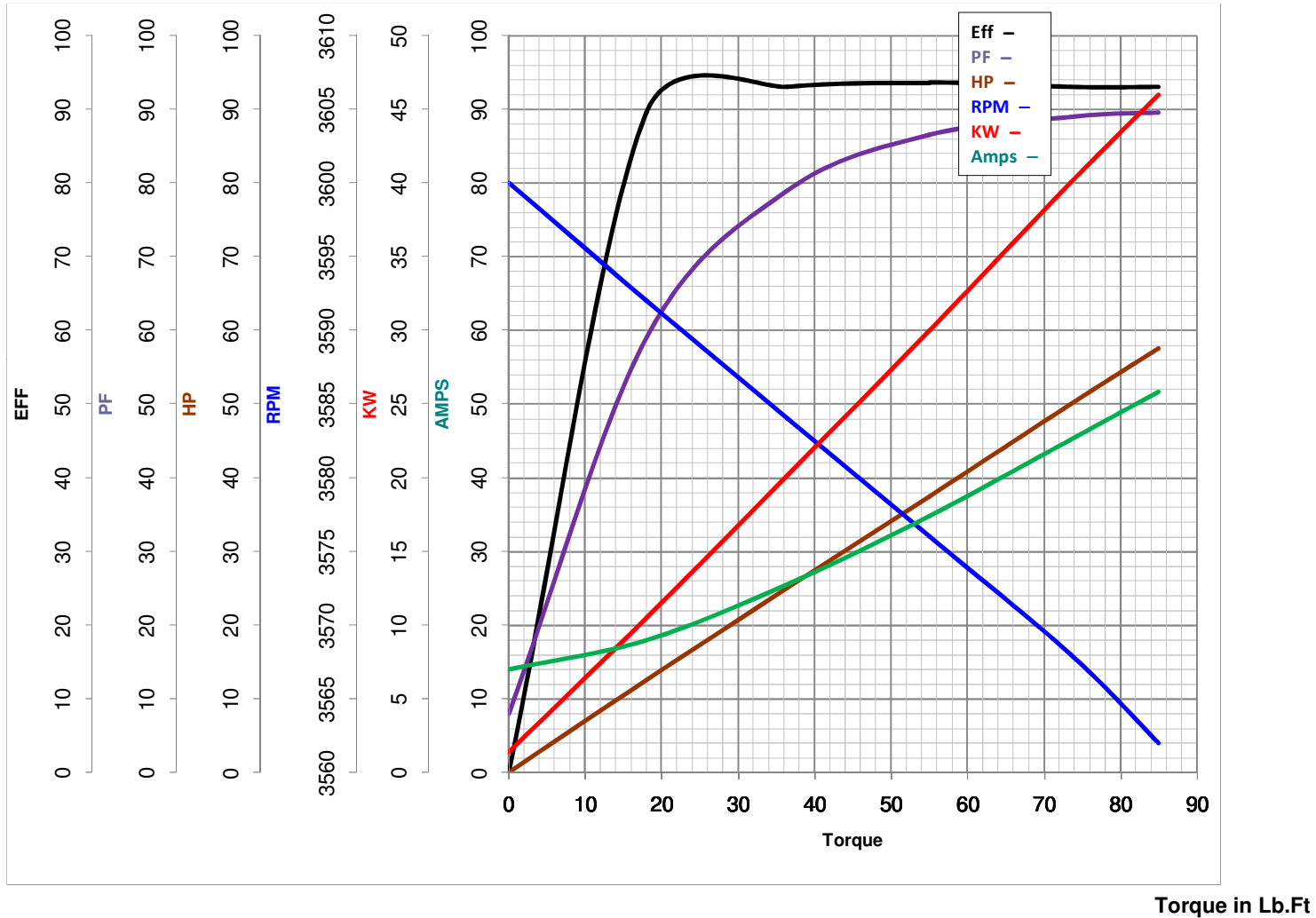
Catalog No GT3536A

50

HP

HZ 60

RPM 3568



FL TORQUE 73.5 Lb.Ft
 BD TORQUE 207.0 Lb.Ft
 LR TORQUE 133 Lb.Ft

FL AMPS 45
 PU TORQUE 118.0 Lb.Ft
 LR AMPS 289.6

WINDING HE32002007-3 Prepared By FAREEDA

Date 5/29/2018