

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 324TTFCD6038
Catalog No: GT3534A
40,1800,TEFC,324JP,3/60/575
JP



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REGAL[®]



Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	575 V
Current	38.0 A	Speed	1782 rpm
Service Factor	1.15	Phase	3
Efficiency	94.1 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	324JP
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	4	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	13.07 in	Shaft Diameter	1.296 in
Shaft Extension	10.98 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS620813	Connection Diagram	EE7300

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**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		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.		
		DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR
MATERIAL	PROCESS/FINISH	
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 #: 324TTFCD6038 AA
CONN. DIAGRAM: EE7300 CUSTOMER PART #:
OUTLINE: SS620813 MOUNTING: F1/F2 CAPABLE
WINDING #: HE32004007 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
40	30.0	1800	1782	324JP	TEFC	G	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	38	LINE OR INVERTER	CONTINUOUS	F7	1.15	40

FULL LOAD EFF:	94.1	3/4 LOAD EFF:	94.1	1/2 LOAD EFF:	93.6	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	84	3/4 LOAD PF:	81	1/2 LOAD PF:	72.5	93.6		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
118 LB-FT	232	212 LB-FT	180 %	313 LB-FT
				265 %

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
60 DBA	70 DBA	11.2 LB-FT^2	- LB-FT^2	20 SEC.	2	650 LBS.

***** 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 10:1/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 07:29:26 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 40.00

PHASE 3

Model No 324TTFC6038

60

HZ

VOLTS 575

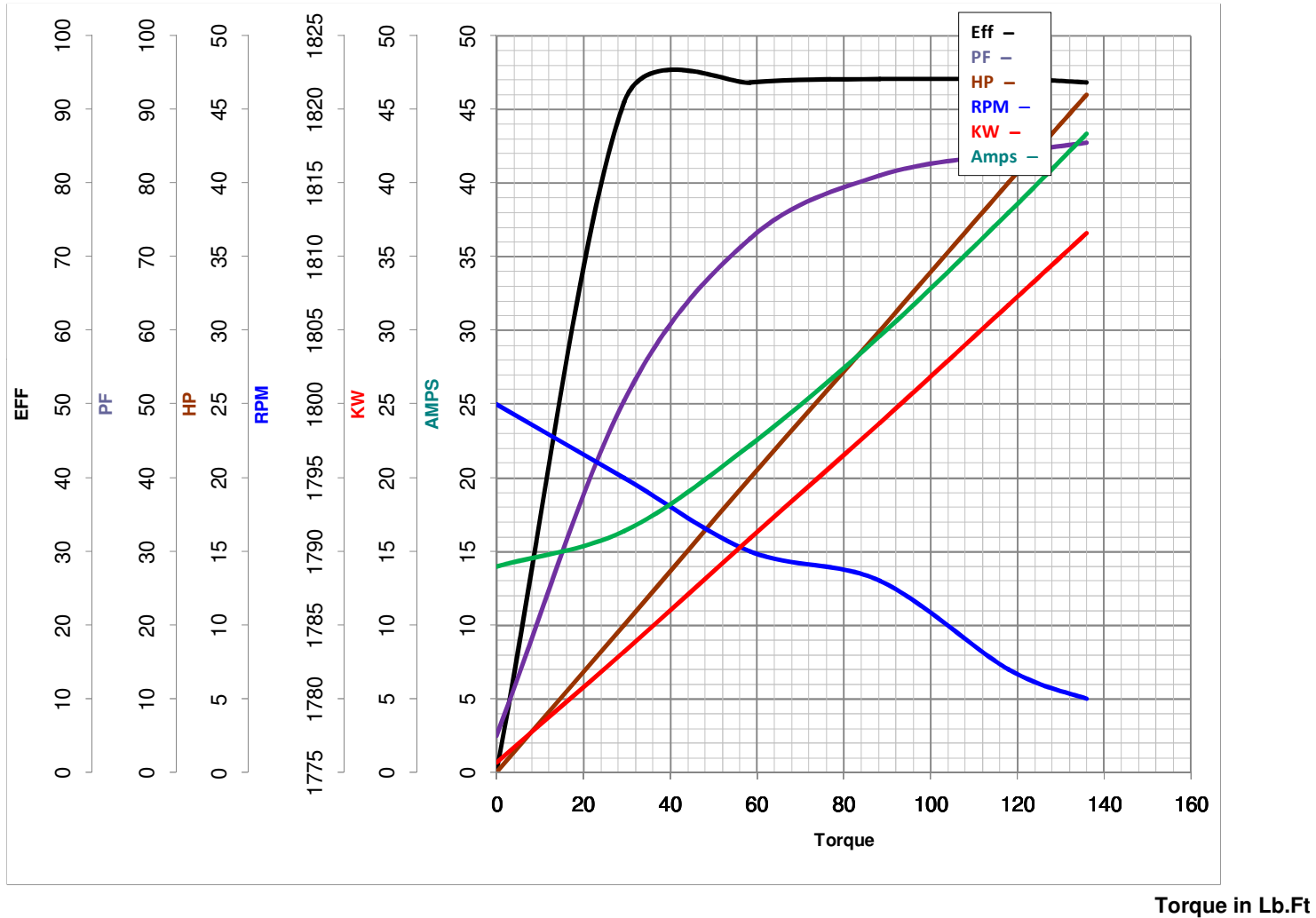
40

HP

Catalog No GT3534A

HZ 60

RPM 1782



FL TORQUE 118 Lb.Ft
 BD TORQUE 313.0 Lb.Ft
 LR TORQUE 212 Lb.Ft

FL AMPS 38
 PU TORQUE 180.0 Lb.Ft
 LR AMPS 232

WINDING HE32004007-3 Prepared By FAREEDA

Date 5/29/2018