

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 184TTDBD6032
Catalog No: GT0413A
5,1800,DP,184JM,3/60/230/460
JM



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REGAL



Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	12.6/6.3 A	Speed	1765 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	J	Frame	184JM
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6307
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

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	Rolled Steel	Shaft Type	JM
Shaft Diameter	0.874 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	SS600204-184JM	Connection Diagram	EE7308

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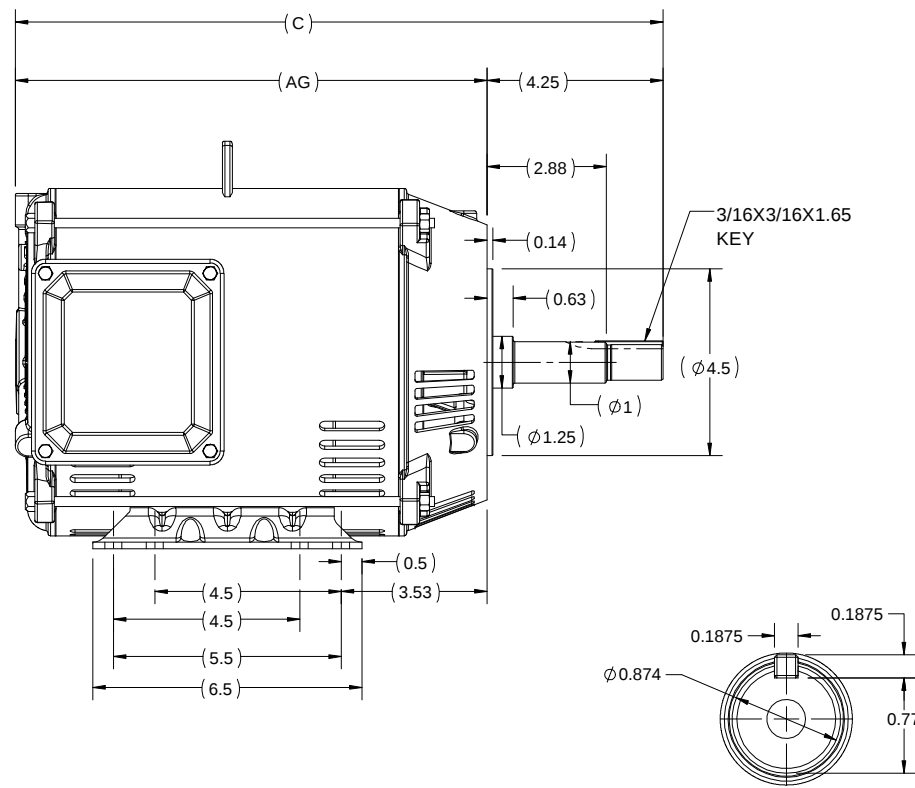
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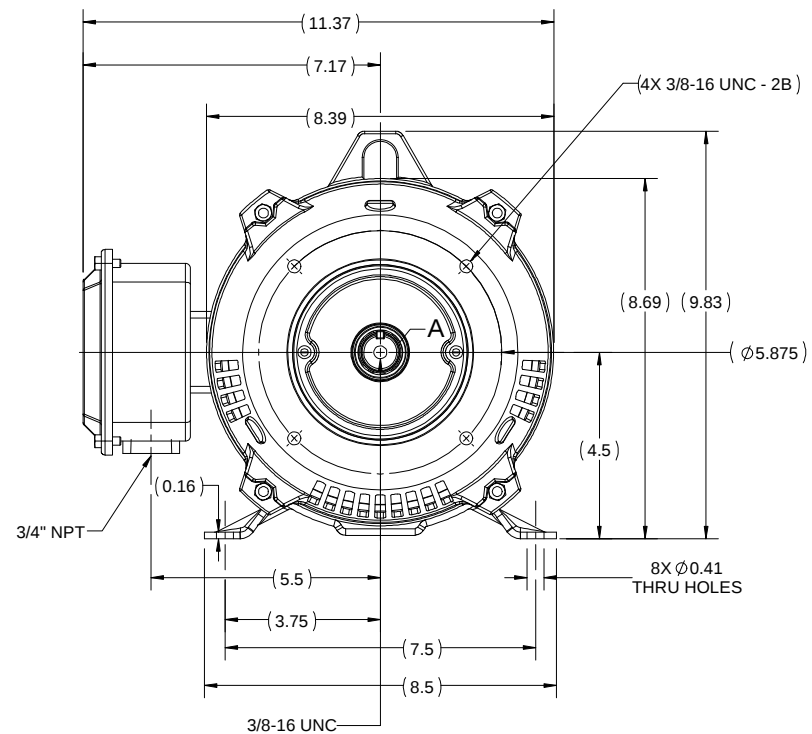
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DETAIL A



182JM	14.64	10.4
184JM	15.64	11.4
FRAME	C	AG

4

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DRAWING REVISION A	REVISION BY MSH	DATE 29/03/2018
ECO ECO-0141499	APPROVED BY SBD	DATE 29/03/2018
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DRAWN BY PRIYA	 Regal Beloit America, Inc.	
DATE 12/03/2018		
APPROVED BY SBD	OUTLINE 182/184JM FR ODP RS	
DATE 12/03/2018		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS600204
		SHEET 1 OF 1



				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN RM 11/20/1990				
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005	TITLE CONNECTION DIAGRAM 3ø – DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005	MAT'L	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7"30"	FINISH	PREV				
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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7308

MODEL #: 184TTDBD6032 BB

OUTLINE: SS600204-184JM

MOUNTING: F1/F2 CAPABLE

WINDING #: HE31124023 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5&3	3.70&2.24	1800	1765&1475	184JM	DP	J	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	12.6/6.3&9.8/4.9	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.0	40

FULL LOAD EFF:	89.5&89.5	3/4 LOAD EFF:	90.2	1/2 LOAD EFF:	89.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	82.5&76.5	3/4 LOAD PF:	76.8	1/2 LOAD PF:	65	88.5	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
14.9 LB-FT	92 / 46	32 LB-FT 215 %	44.7 LB-FT 300 %	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
67 DBA	77 DBA	0.5 LB-FT^2	30 LB-FT^2	20 SEC.	2	84 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JM	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6307	6205						

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

INVERTER	
TORQUE: CONSTANT 2:1/VARIABLE 10:1	
INV. HP SPEED RANGE: NONE	
ENCODER: NONE	
NONE	NONE
NONE	PPR
BRAKE: NONE	
NONE	P/N NONE
NONE	NONE
NONE	FT-LB NONE V NONE HZ

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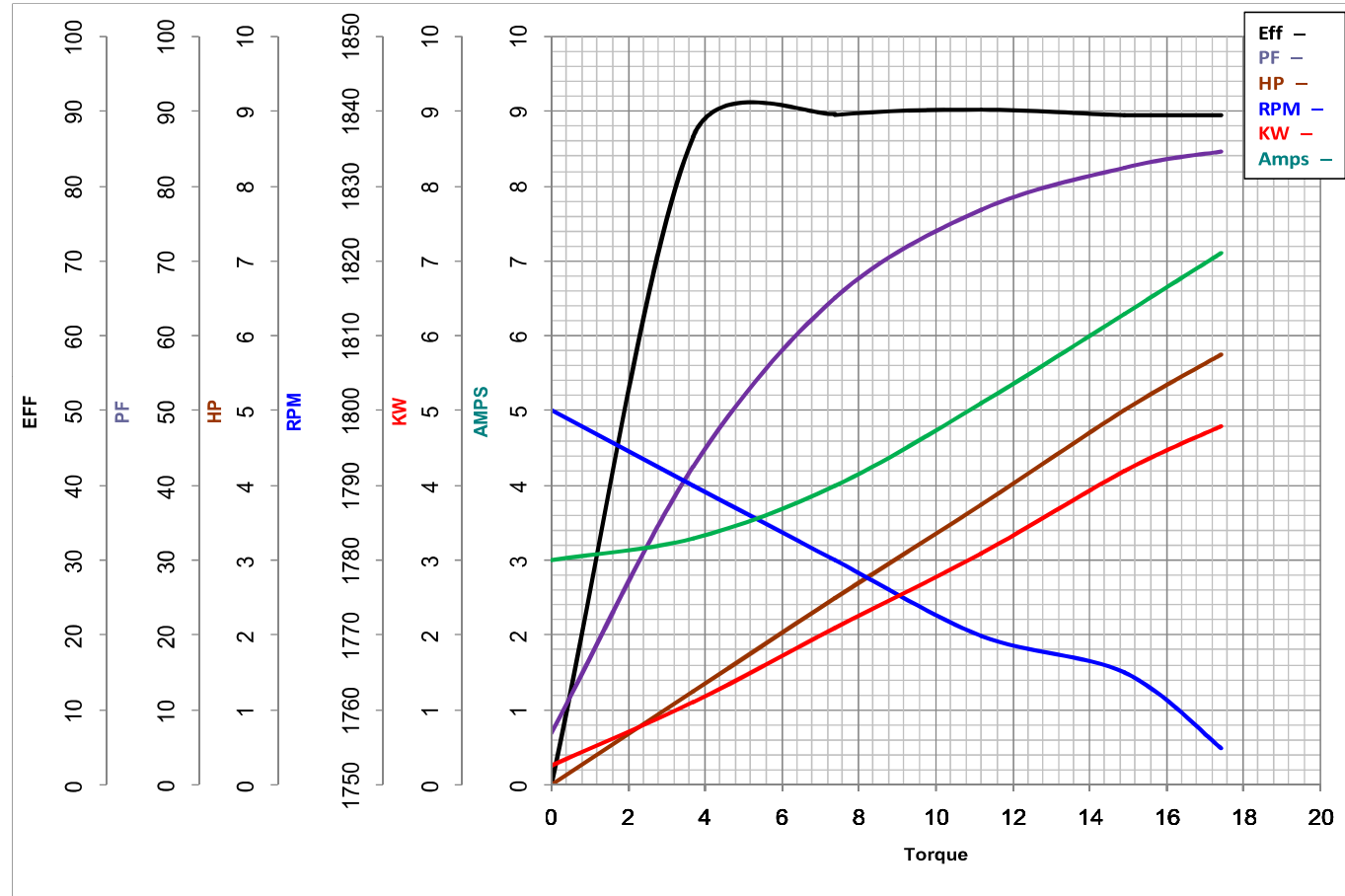
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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer**Curve at**460**Volts****HP** 5&3**PHASE** 3**Model No** 184TTDBD603260**HZ****VOLTS** 230/460&190/3805**HP****Catalog No** GT0413A**HZ** 60&50**RPM** 1765&1475**Torque in Lb.Ft****FL TORQUE** 14.9 **Lb.Ft****FL AMPS** 12.6/6.3**BD TORQUE** 44.7 **Lb.Ft****PU TORQUE** 27.0 **Lb.Ft****LR TORQUE** 32 **Lb.Ft****LR AMPS** 46**WINDING** HE31124023-3**Prepared By**

ANUSHA.M

Date

11/5/2018