

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 256TTFCD6006
Catalog No: GT3124A
20,3600,TEFC,256JM,3/60/230/460
JM



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REGAL[®]



Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	47.5/23.7 A	Speed	3540 rpm
Service Factor	1.15	Phase	3
Efficiency	91 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	256JM
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6209	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	JM
Frame Length	11.73 in	Shaft Diameter	1.375 in
Shaft Extension	5.75 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS620795	Connection Diagram	EE7308K

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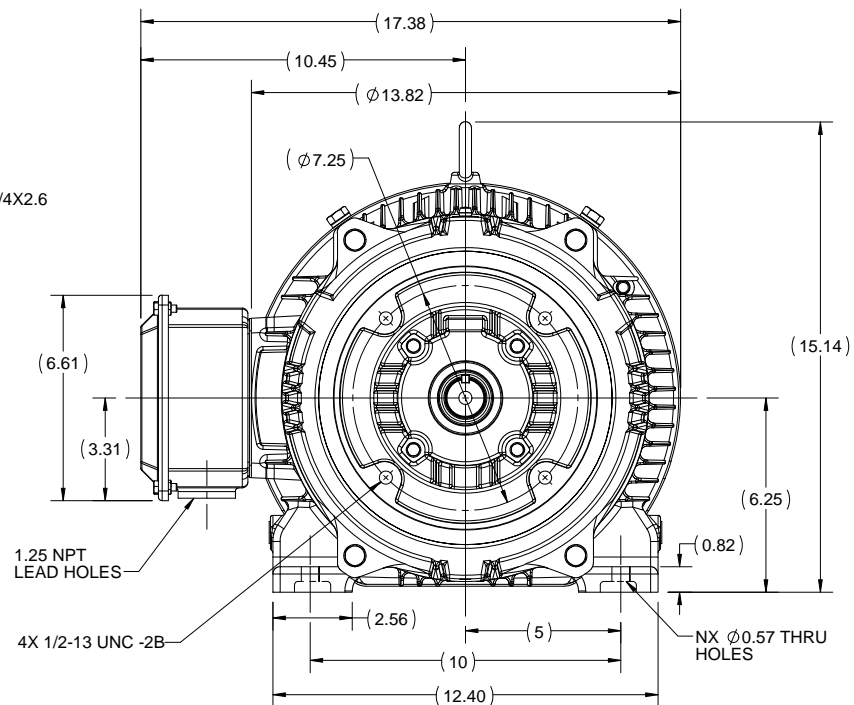
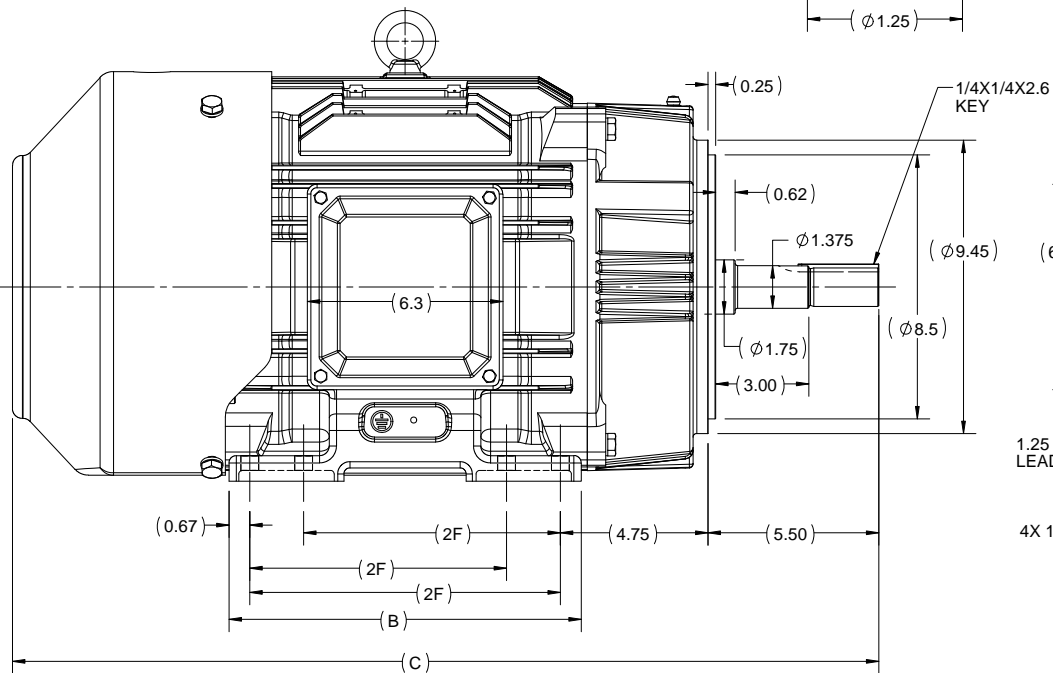
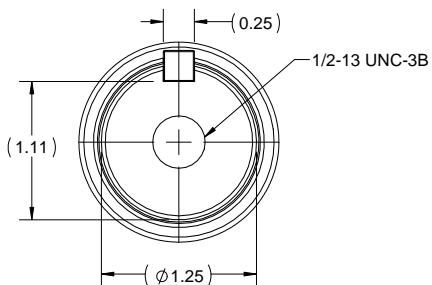
OUTLINE

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B

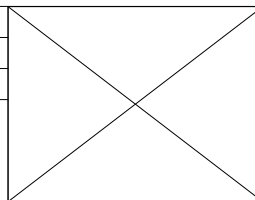
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256-JM	11.34	27.89	10	8
254-JM	9.60	26.15	8.25	4
FRAME	B	C	2F	N

DRAWING REVISION A	REVISION BY SN	DATE 21/04/2017
ECO ECO-0122138	APPROVED BY SBD	DATE 21/04/2017
ECO DESCRIPTION NEW DRAWING RELEASE		
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DRAWN BY SN
DATE 12/04/2017
APPROVED BY SBD
DATE 12/04/2017
REFERENCE
THIRD ANGLE PROJECTION

REGAL-BELOIT CORPORATION	
DESCRIPTION OUTLINE TEFC-254/256 JM FR--CAST IRON	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER SS620795
	SHEET 1 OF 1

LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

				TOLERANCES UNLESS SPECIFIED		REGAL REGAL-BELOIT CORPORATION		DRAWN PGK 06-04-1997		
NO.	REVISION	BY & DATE	CHK	ANG	±	INCHES	FINISH	SCALE	PREV	
E	CORRECTED IEC MARKINGS ECD-0111208	WGJ 01-23-2017	EMH	DEC.				CHK ML 06-05-1997		
D	RE-DRAWN WITH REGAL LOGO ECD-0110493	WGJ 09-30-2016	EMH	.X	±.1			APPD GK 06-15-1997		
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	REF		
7	REVISED HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998		.XXX	±.005		MAT'L. DELTA CON. - 3Ø - 9 LEADS	FMF		
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	±.0005			PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP	CAD FILE EE7308K			SIZE A	DRAWING NO. EE7308K	PAGE 0F	REV. E
			DIST							



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

CERTIFICATION DATA SHEET

CUSTOMER: CUSTOMER PO #:
ORDER #: MODEL #: 256TTFCDD6006 AA
CONN. DIAGRAM: EE7308K CUSTOMER PART #:
OUTLINE: SS620795 MOUNTING: F1/F2 CAPABLE
WINDING #: HE31602007 2

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
20815	14.9&11.2	3600	3540&2945	256JM	TEFC	G	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	47.5/23.7&43.5/21.7	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	91&890.2	3/4 LOAD EFF:	91	1/2 LOAD EFF:	89.5	GTD. EFF	90.2	ELEC. TYPE
FULL LOAD PF:	87.5&887	3/4 LOAD PF:	84	1/2 LOAD PF:	76.5	SQ CAGE INV RATED		
F.L. TORQUE LB-FT	286 / 143	LOCKED ROTOR AMPS	49	L.R. TORQUE LB-FT	165 %	B.D. TORQUE LB-FT	74	F.L. RISE°C
							249 %	60

SOUND PRESSURE @ 3 FT. DBA	72	SOUND POWER DBA	82	ROTOR WK^2 LB-FT^2	1.35	MAX. WK^2 LB-FT^2	-	SAFE STALL TIME SEC.	20	STARTS / HOUR	2	APPROX. MOTOR WGT LBS.	435
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*** 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 T2B	FALSE	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)	CAST IRON	
6309	6209							

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

INVERTER
TORQUE: CONSTANT 20:1/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

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PREPARED BY: Fareeda Dudekula
DATE: 05/07/2018 04:14:58 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 20&15

PHASE 3

Model No 256TTFC6006

60

HZ

VOLTS 230/460&190/380

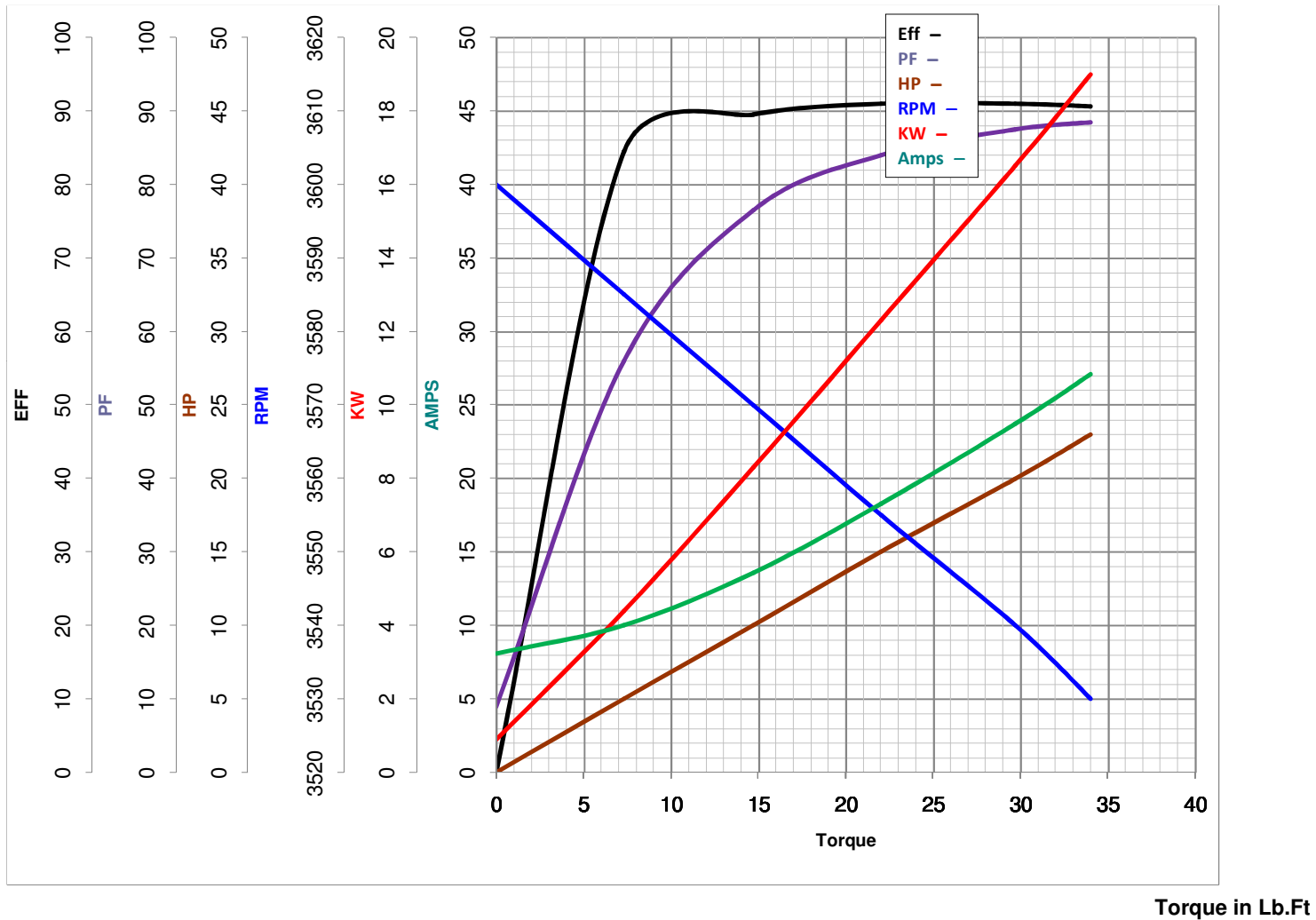
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HP

Catalog No GT3124A

HZ 60&50

RPM 3540&2945



FL TORQUE 29.7 Lb.Ft
 BD TORQUE 74.0 Lb.Ft
 LR TORQUE 49 Lb.Ft

FL AMPS 47.5/23.7
 PU TORQUE 41.0 Lb.Ft
 LR AMPS 143

WINDING HE31602007-2 Prepared By FAREEDA

Date 5/7/2018