

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 256TTDBD6082
Catalog No: GT0458
10,1200,DP,256JM,3/60/230/460
JM



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REGAL[®]



Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	25.6/12.8 A	Speed	1182 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	H	Frame	256JMV
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6208	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal Or Shaft Down
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	JM
Frame Length	12.20 in	Shaft Diameter	1.249 in
Shaft Extension	5.5 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	SS620822-256	Connection Diagram	EE7308K

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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	±		UNIT	CHK	ML	06-05-1997				
E	CORRECTED IEC MARKINGS	ECO-0111208	WGJ	01-23-2017	EMH	DEC.	INCHES							
D	RE-DRAWN WITH REGAL LOGO	ECO-0110493	WGJ	09-30-2016	EMH	.X	±.1							
8	ADDED IEC DESIGNATIONS	MU95020	TJW	4/30/2010	MJS	.XX	±.02	TITLE	CONNECTION DIAGRAM					
7	REVISED HIGH VOLTAGE L2 WAS L3	CN52600-354	MRB	09-21-1998		.XXX	±.005		DELTA CON. - 3Ø - 9 LEADS					
6	REDRAWN ON CADD		PGK	06-05-1997		.XXXX	±.0005	MAT'L.		FMF				
						±7'30"		FINISH		PREV				
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**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:

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN	
10&7 1/2	7.50&5.60	1200	1182&982	256JMV	DP	H	B	
PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB-C
3	60/50	230/460&190/380	25.6/12.8&24.4/12.2	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	91.7&91	3/4 LOAD EFF:	91.7	1/2 LOAD EFF:	90.2	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	80&79	3/4 LOAD PF:	74.5	1/2 LOAD PF:	63	91		SQ CAGE INV RATED

F.L. TORQUE LB-FT	LOCKED ROTOR AMPS	L.R. TORQUE LB-FT	B.D. TORQUE LB-FT	F.L. RISE°C
44.5	160 / 80	93	209 %	113
				254 %
				40

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.
62	72	2.9	200	15	2	325

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL OR SHAFT DOWN	FALSE	NONE	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)	ROLLED STEEL
6309	6208						

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

INVERTER

TORQUE: CONSTANT 2.1/VARIABLE 20:1
INV. HP SPEED RANGE: NONE

ENCODER:	NONE
NONE	NONE
NONE	PPR

BRAKE:	NONE	NONE
NONE	P/N	NONE
NONE	NONE	NONE
NONE	FT-LB	NONE
NONE	V	NONE
NONE	Hz	

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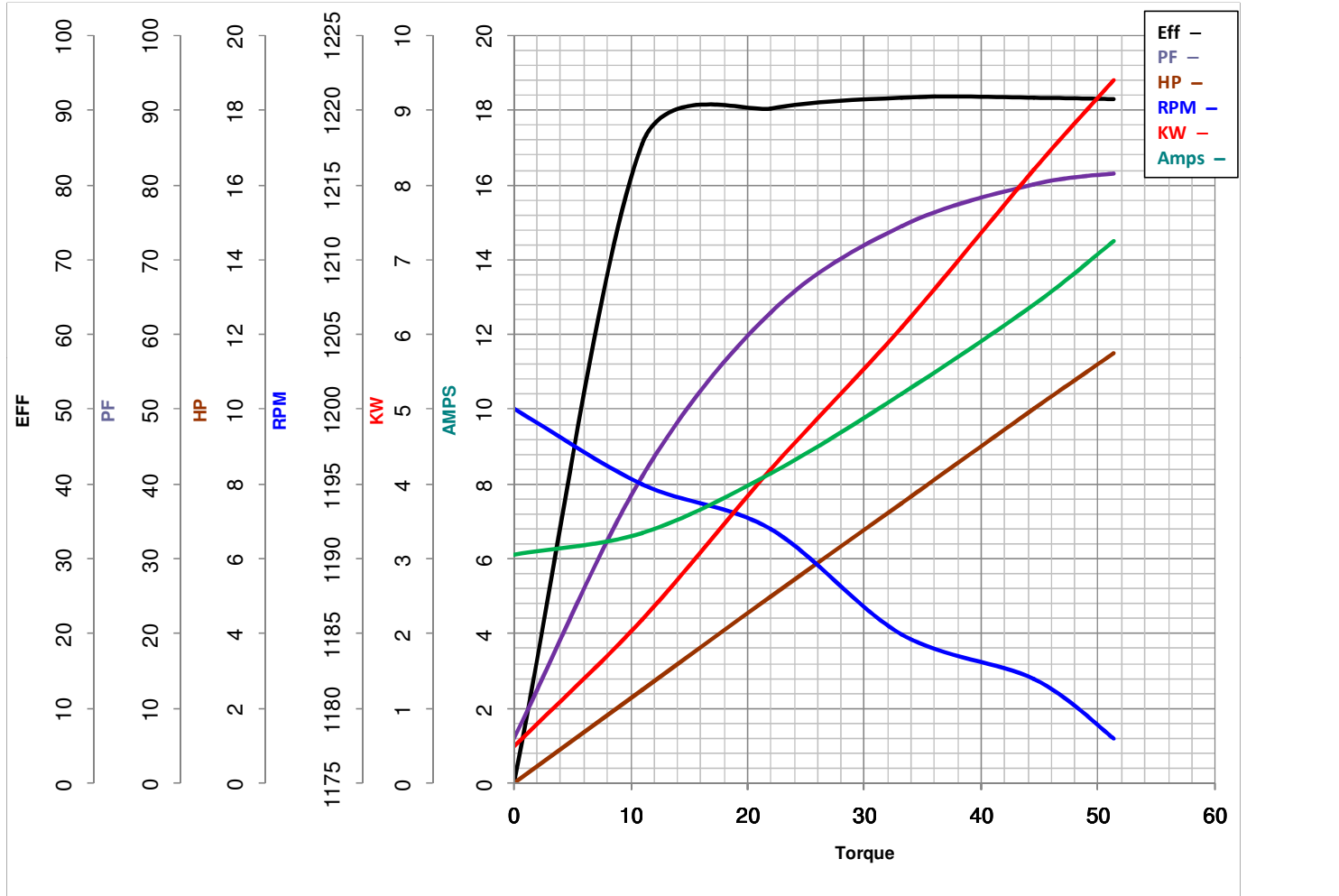
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PREPARED BY: Anusha Muthyala
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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer _____ Curve at 460 Volts HP 10&7.5 PHASE 3
 Model No 256TTDBD6082 60 HZ
10 HP VOLTS 230/460&190/380
 Catalog No GT0458 HZ 60&50 RPM 1182&982



Torque in Lb.Ft

FL TORQUE	<u>44.5</u>	Lb.Ft	FL AMPS	<u>25.6/12.8</u>	
BD TORQUE	<u>113.0</u>	Lb.Ft	PU TORQUE	<u>78.0</u>	Lb.Ft
LR TORQUE	<u>93</u>	Lb.Ft	LR AMPS	<u>80</u>	

WINDING HE31606008-2 Prepared By ANUSHA M Date 5/4/2018