

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 256TTDBD6037
Catalog No: GT2462
20,1800,DP,256JP,3/60/230/460
JP



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REGAL

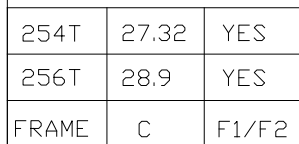
Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	230/460 V
Current	48.5/24.3 A	Speed	1770 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	256JP
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

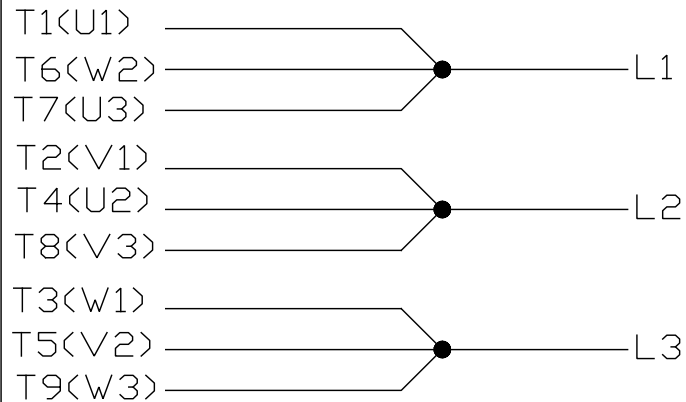
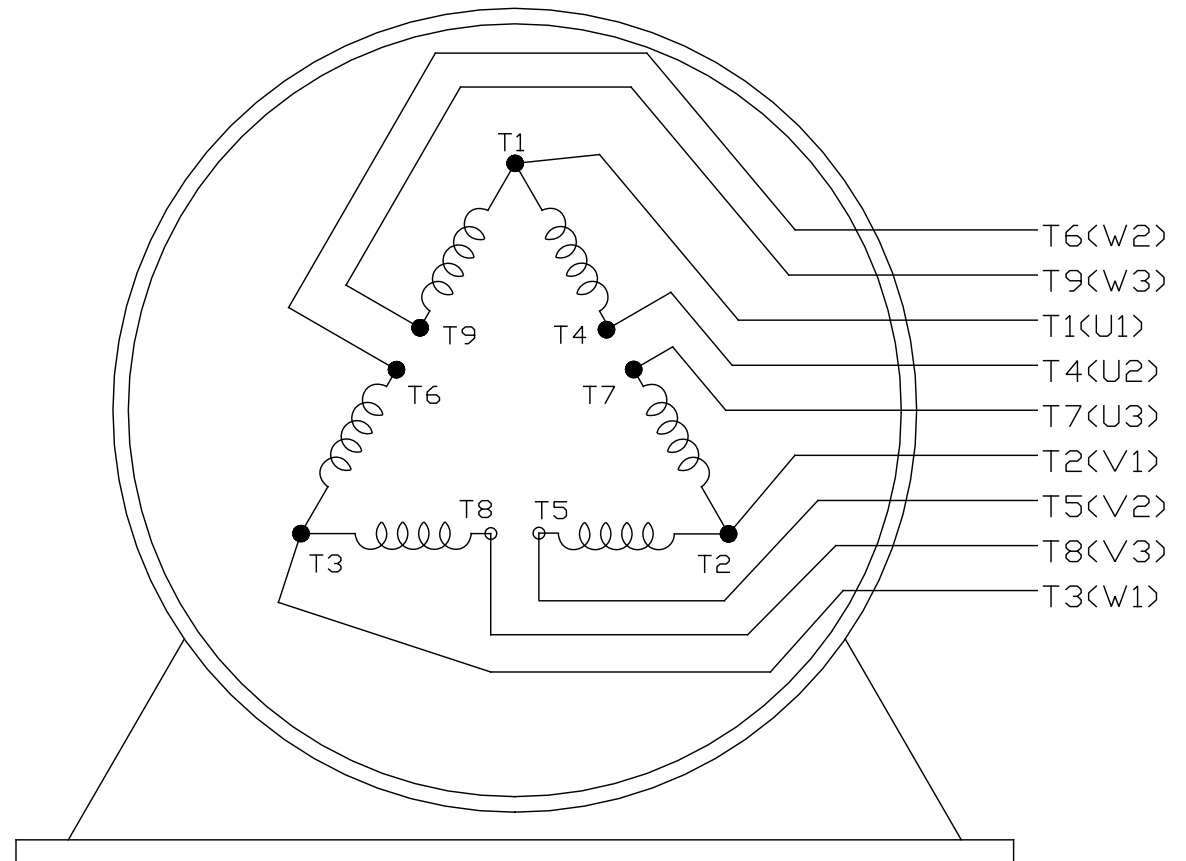
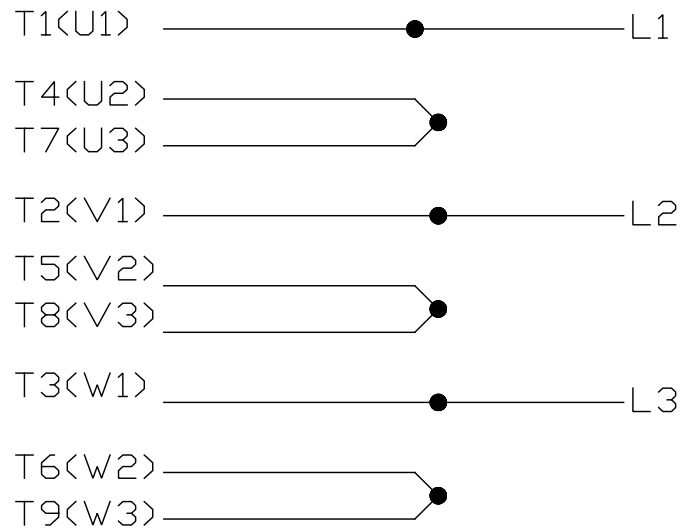
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	JP
Overall Length	28.90 in	Frame Length	12.20 in
Shaft Diameter	1.249 in	Shaft Extension	8.41 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	SS620825-256T	Connection Diagram	EE7308K

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LOW VOLTAGE

EE7308K

HIGH VOLTAGE

VIEW OF TERMINAL END

			TOLERANCES UNLESS SPECIFIED			 REGAL - BELOIT CORPORATION	DRAWN PGK 06-04-1997		
NO.	REVISION	BY & DATE	CHK	ANG	± 7'30"		CHK	ML	06-05-1997
E	CORRECTED IEC MARKINGS ECD-0111208	WGJ 01-23-2017	EMH	DEC.	INCHES				
D	RE-DRAWN WITH REGAL LOGO ECD-0110493	WGJ 09-30-2016	EMH	.X	± .1				
8	ADDED IEC DESIGNATIONS MU95020	TJW 4/30/2010	MJS	.XX	± .02	TITLE			SCALE
7	REVISED HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998		.XXX	± .005	DELTA CON. - 3Ø - 9 LEADS			REF
6	REDRAWN ON CADD	PGK 06-05-1997		.XXXX	± .0005	MAT'L.			FMF
						FINISH			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
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WAUSAU, WI 54401-8003
PH. 715-675-3311

CERTIFICATION DATA SHEET

CUSTOMER:

CUSTOMER PO#:

ORDER #:

MODEL #: 256TTDBD6037 AA

CONN. DIAGRAM: EE7308K

CUSTOMER PART

#:

OUTLINE: SS620825-256

MOUNTING: F1/F2 CAPABLE

WINDING #: HE31604015 2

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
20815	14.9&11.2	1800	1770&1474	256JP	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	48.5/24.3&45/22.4	LINE OR INVERTER	CONTINUOUS	F7	1.15/1.15	40

FULL LOAD EFF:	93&92.4	3/4 LOAD EFF:	93	1/2 LOAD EFF:	92.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	83.5&83	3/4 LOAD PF:	79.5	1/2 LOAD PF:	69.5	92.4	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
59.4 LB-FT	288 / 144	118 LB-FT 199 %	146 LB-FT 246 %	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
74 DBA	84 DBA	2.8 LB-FT^2	125 LB-FT^2	20 SEC.	2	325 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	FALSE	NONE	BLUE (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BALL						
6309 6208	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL

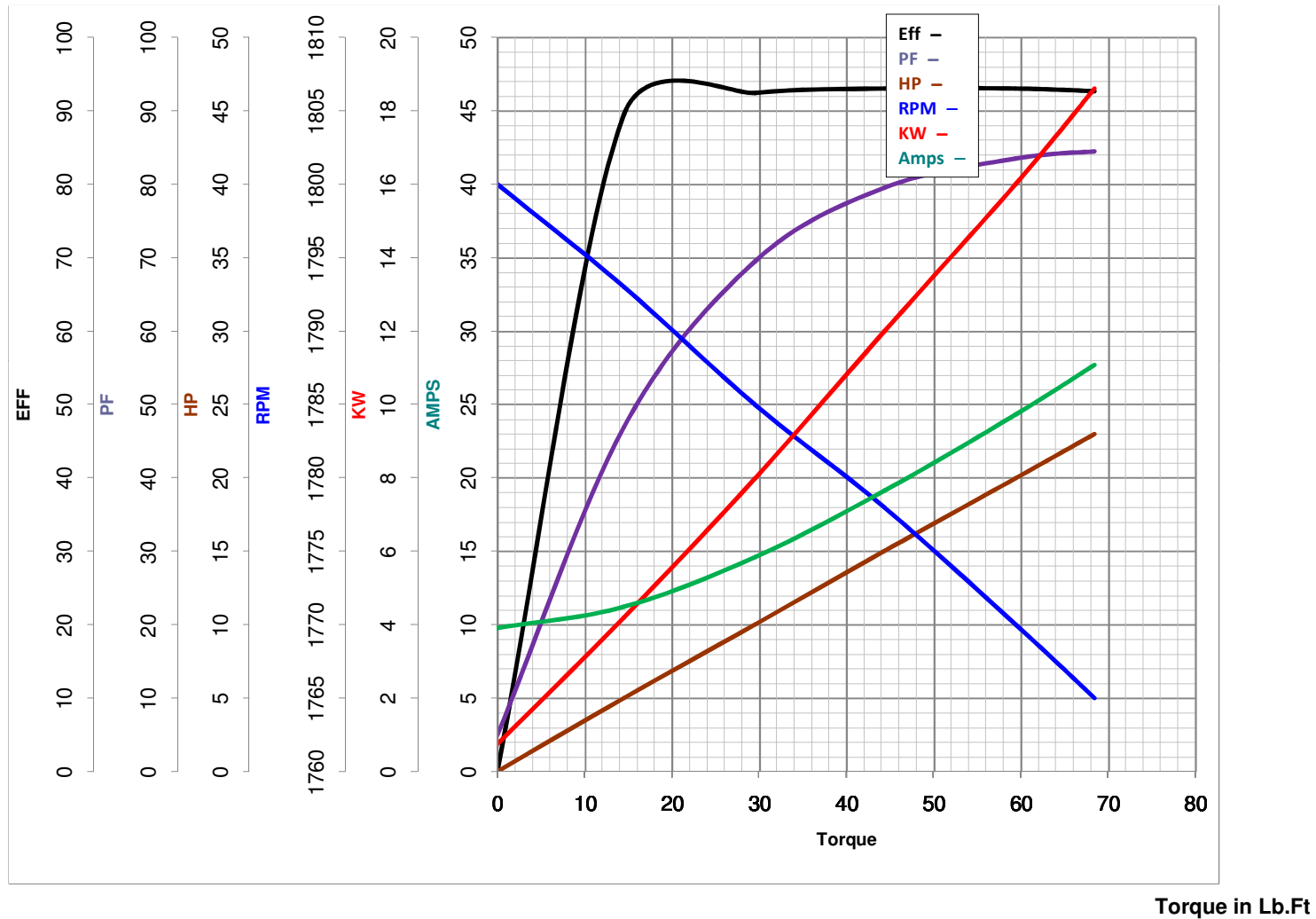
THERMO-PROTECTORS				THERMISTORS			SPACE HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs					
NONE	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS	

*	INVERTER	TORQUE: CONSTANT 2:1/VARIABLE 20:1
N	INV. HP SPEED RANGE:	NONE
O	ENCODER:	NONE
		NONE
T		NONE
E		PPR
S	BRAKE:	NONE
		NONE
		P/N NONE
		NONE
		FT-LB NONE V NONE Hz
*		

PREPARED BY: Fareeda Dudekula
DATE: 05/04/2018 07:29:20 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** 256TTDBD603760**HZ**20**HP****VOLTS** 230/460&190/380**Catalog No** GT2462**HZ** 60&50**RPM** 1770&1474**FL TORQUE** 59.4 Lb.Ft**BD TORQUE** 146.0 Lb.Ft**LR TORQUE** 118 Lb.Ft**FL AMPS** 48.5/24.3**PU TORQUE** 98.0 Lb.Ft**LR AMPS** 144**WINDING** HE31604015-2**Prepared By**

FAREEDA

Date 5/4/2018