# PRODUCT INFORMATION PACKET



Model No: 254TTFC6081
Catalog No: E005
7.50 HP General Purpose Motor, 3 phase, 1200 RPM, 575 V, 254T Frame, TEFC
General Purpose Motors



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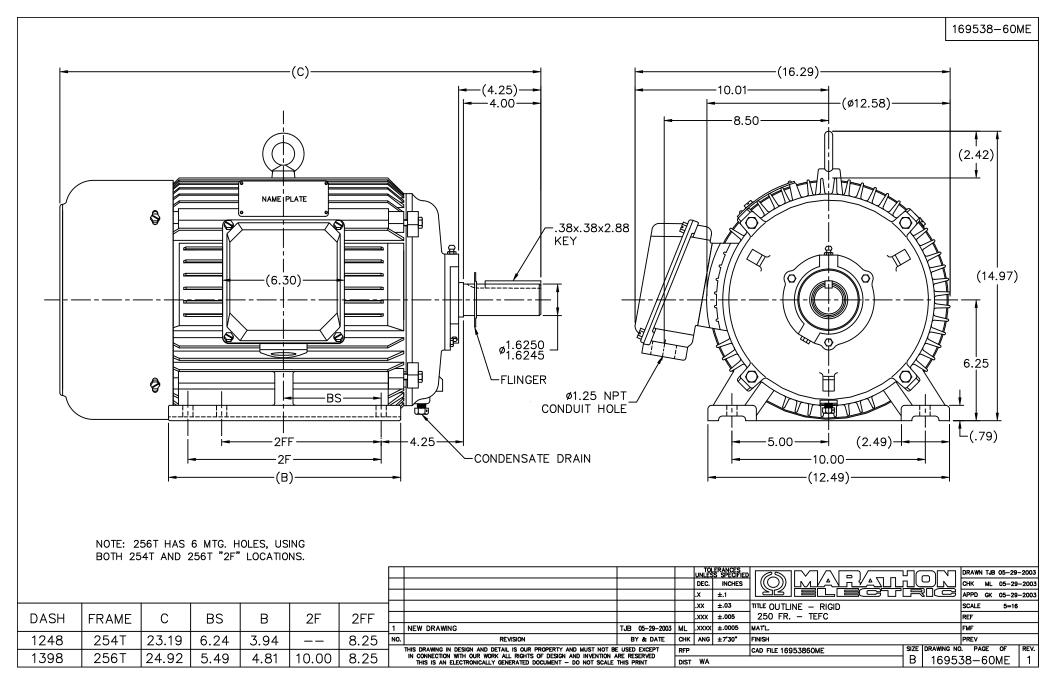
## Nameplate Specifications

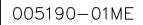
Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	575 V
Current	8.9 A	Speed	1185 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	70
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	Н
Frame	254T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6308
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

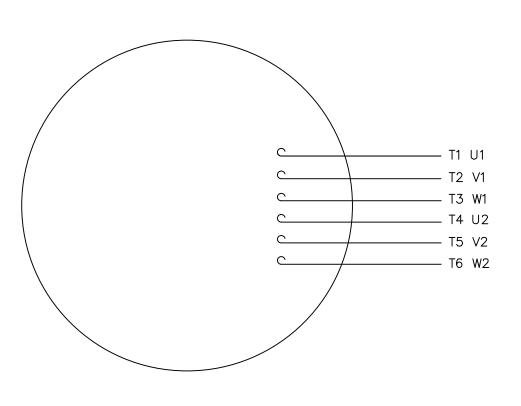
### **Technical Specifications**

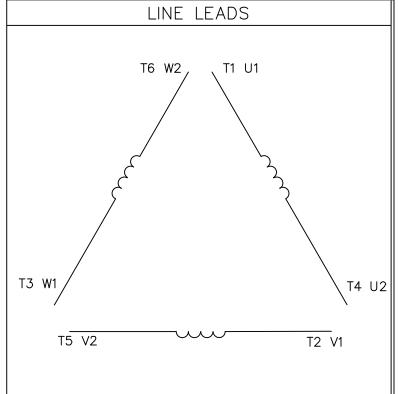
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter	
Poles	6	Rotation	Reversible	
Mounting	Rigid Base	Motor Orientation	Horizontal	
Drive End Bearing	Ball	Opp Drive End Bearing	Ball	
Frame Material	Cast Iron	Shaft Type	Т	
Overall Length	23.19 in	Shaft Diameter	1.625 in	
Shaft Extension	4.25 in	Assembly/Box Mounting	F1/F2 Capable	
Outline Drawing	16953860ME-254T	Connection Drawing	005190.01ME	

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	L1	L2	L3	JOIN
START	T1	T2	T3	(T4,T5,T6)
(WYE)	U1	V1	U2	(U2,V2,W2)
RUN	(T1,T6)	(T2,T4)	(T3,T5)	
(DELTA)	(U1,W2)	(V1,U2)	(W1,V2)	

				TOL UNLES	ERANCES S SPECIFIED						DRAWN	PG 05/07	7/82
				DEC.	INCHES	] (((()))			<u>الب</u>		СНК		
				.x	±.1						APPD 1	TEM 05/07	′/82
03	ADDED IEC DESIGNATIONS	MOL 04/27/12		.xx	±.01	TITLE	EXTERN	NAL WIRING DIA	GRAM		SCALE	1=1	
02	REMOVED OBSOLETE STATUS	KJH 06/28/99		.xxx	±.005		STAR S	START — DELTA	RUN	l	REF		
01	REDRAWN ON CAD	DBT 05/30/97		.xxxx	±.0005	MAT'L. Y-C	ONNECTED S	START — DELTA C	ONNEC	TED RUN	FMF		
NO.	REVISION	BY & DATE	снк	ANG	±1/2°	FINISH	SIN	IGLE VOLTAGE			PREV		
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT				RFP CAD FILE			001ME	SIZE	DRAWING NO	).		REV.
	IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION A THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE	DIST					$\neg A$	0051	90-0	1ME	03		

#### **CERTIFICATION DATA SHEET**

254TTFC6081 AA WINDING#: T12906018 NONE 4 Model#: ASSEMBLY: CONN. DIAGRAM: 5190.01ME F1/F2 CAPABLE

OUTLINE: 169538.60ME

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#### TYPICAL MOTOR PERFORMANCE DATA

НР	KW		SYN	IC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	KVA	A CODE	DESIGN
7 1/2	5.60	)	1200		1185	254T	TEF	TEFC		Н	В
PH	Hz	VO	LTS	FL AMPS	START TYPE	DUTY	INSL	S.	.F	AMB°C	ELEVATION
3	60	57	75	8.9	LINE OR	CONTINUOU	F2	1.1	15	40	3300
					INVERTER	s					

FULL LOAD EFF: 91.7	3/4 LOAD EFF: 91.7	1/2 LOAD EFF: 89.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 70	3/4 LOAD PF: 65	1/2 LOAD PF: 53.5	90.2	SQ CAGE INV RATED	4.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
33.2 LB-FT	53.6	65 LB-FT 195	112.5 LB-FT 338	26

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
52 dBA	62 dBA	2.472 LB-FT^2	2.5 LB-FT^2	- SEC.	-	- LBS.

#### \*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEAF	BEARINGS		SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	1045 HOT	CAST IRON
6309	6308					ROLLED (C-204)	

	THERMO-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: VARIABLE 10:1 INV. HP SPEED RANGE: NONE

ENCODER: NONE NONE NONE NONE NONE PPR

NONE BRAKE: NONE NONE P/N NONE NONE NONE

NONE FT-LB NONE V NONE Hz

DATE: 06/23/2017 03:45:11 AM FORM 3531 REV.3 02/07/99

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