

PRODUCT INFORMATION PACKET



Model No: 056T34F5940

Catalog No: E2000

General Purpose Motor, 1 & 1 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM,
56C Frame, TEFC



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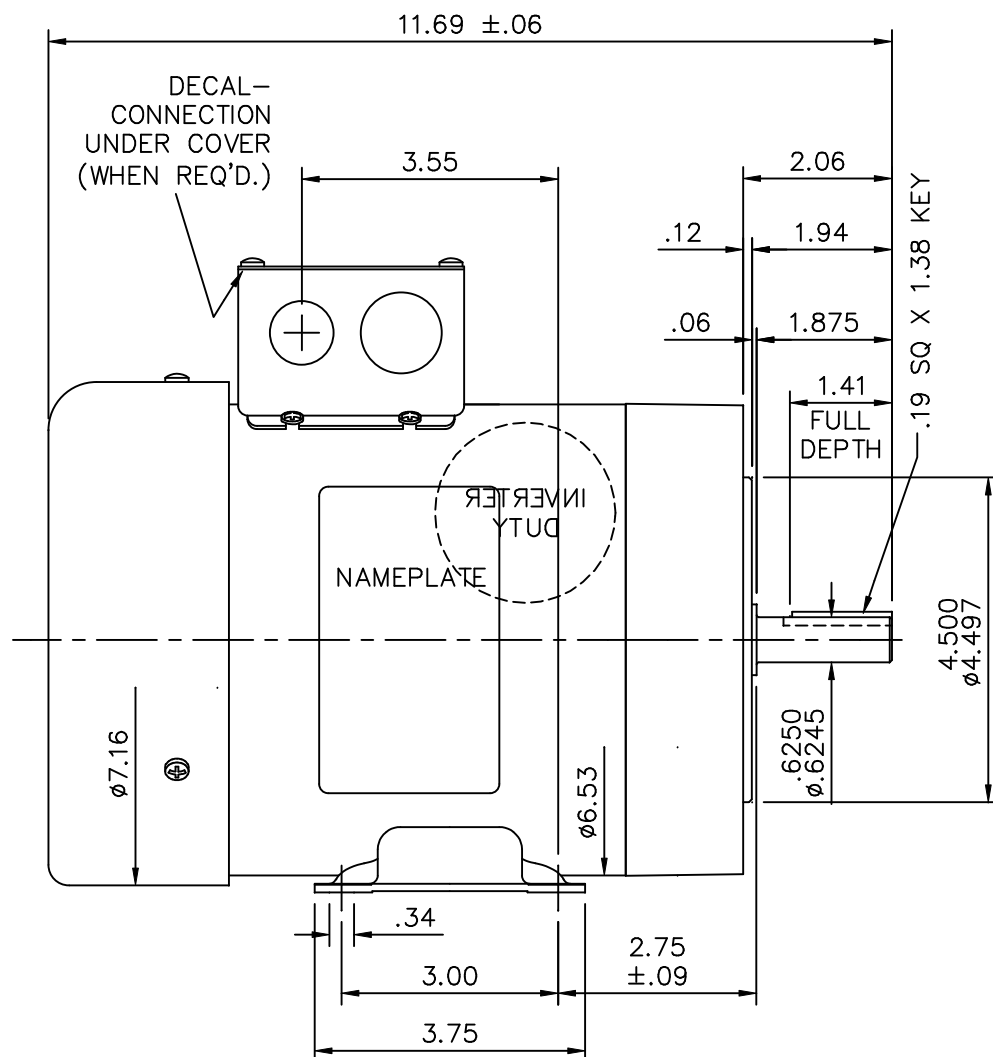
Nameplate Specifications

Phase	3	Output HP	1 & 1 Hp
Output KW	0.75 & 0.75 kW	Voltage	208-230/460 & 190/380 V
Speed	3490 & 2890 rpm	Service Factor	1.15 & 1.0
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	80 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	3-2.8/1.4 & 3.2/1.6 A	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

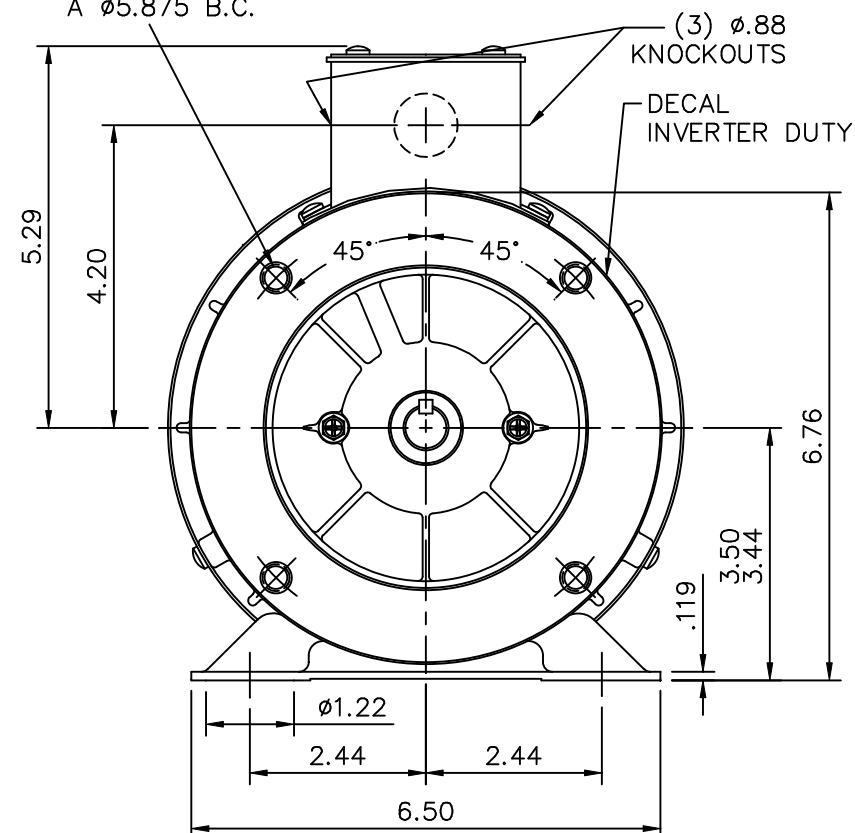
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	20.27 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	11.69 in
Frame Length	5.50 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 10:1		
Outline Drawing	OL056T34F5940	Connection Drawing	00501001ME

OL056T34F5940



(4) 3/8-16 UNC-2B
X .56 DEEP ON
A Ø5.875 B.C.



GASKETS THROUGHOUT
MAXIMUM FACE RUNOUT .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

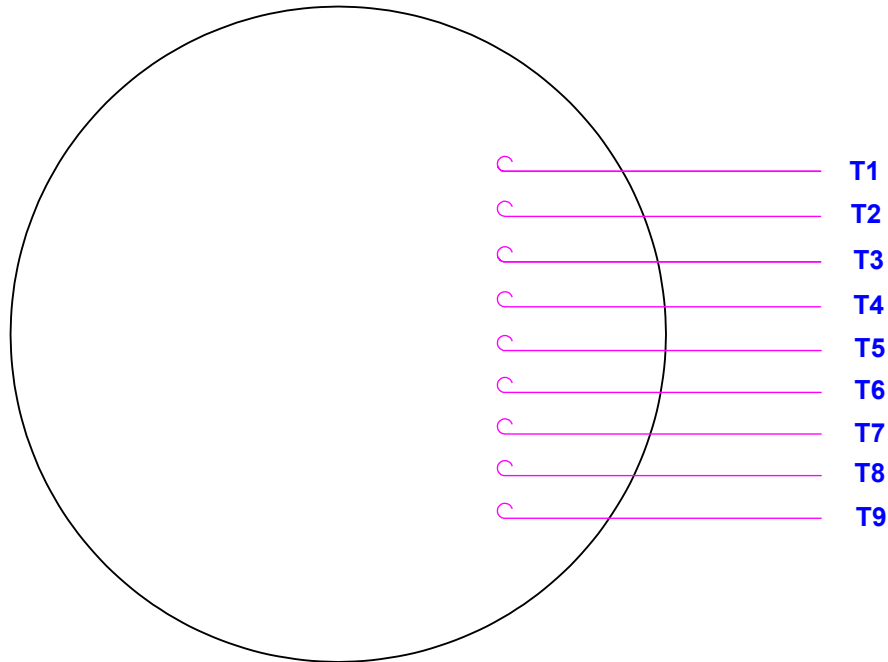
			TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN KMM 07/31/06	
			DEC.	INCHES		CHK	
			.X	±.1		APPD	PG 07/31/06
			.XX	±.03		SCALE	3=8
			.XXX	±.005		REF	028606
			.XXXX	±.0005	TITLE OUTLINE- 56C FRAME TEFC- RIGID "C"	FMF	
			ANG	±1/2"		PREV	
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	SIZE	
THIS DRAWING 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	OL056T34F5940	DRAWING NO.
			DIST			A	OL056T34F5940
							REV.

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OFFENDING COMMAND: --nostringval--
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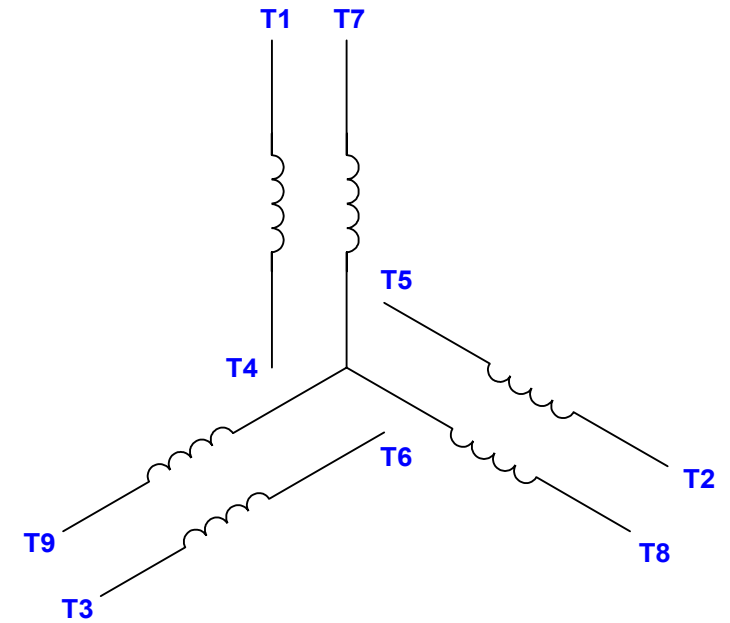
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STACK:
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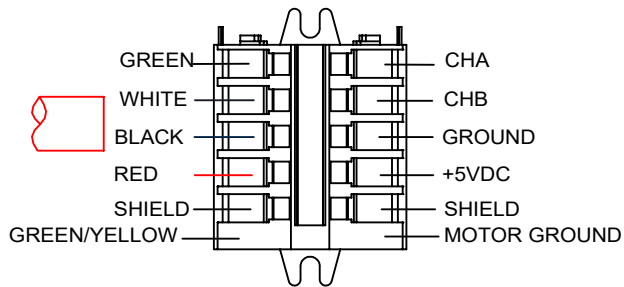
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS

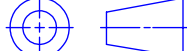


ENCODER WIRING



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VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4, T7) (T5, T8) (T6, T9)
LOW	T1, T7	T2, T8	T3, T9	T4, T5, T6

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN RDW 04/12/02		
				DEC	INCHES		CHK		
				.X	±.1		APPR		
2	CHG FROM MARATHON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR	SCALE 1:1		
1	ADDED ENCODER WIRING	UD 7/13/2012	PI	.XXX	±.005		REF FIG. 2-51		
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XXX	±.0005	MAT'L DECAL - 004014	FMF		
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	PAGE	OF	
THIRD ANGLE PROJECTION 			RFP		PREV		SIZE A	DRAWING NO 005010-01ME	REV 2
			NETWORK FILE NAME 00501001ME						

CERTIFICATION DATA SHEET

Model#: 56T34F5940 B
 CONN. DIAGRAM: 00501001ME
 OUTLINE: OL056T34F5940

WINDING#: T632172 FR 3
 ASSEMBLY: F3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1&1	.75&.75	3600	3490&2890	56C	TEFC	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#190/ 380	3- 2.8/1.4&3.2/1. 6	LINE OR INVERTER	CONTINUOU S	F4	1.15/1.0	40	3300

FULL LOAD EFF: 80	3/4 LOAD EFF: 80.4	1/2 LOAD EFF: 77.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 84	3/4 LOAD PF: 79.9	1/2 LOAD PF: 68.8	0	SQ CAGE INV RATED	1.3 / .7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
1.5 LB-FT	20 / 10	3.6 LB-FT 240	5.1 LB-FT 340	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.04 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

*** 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	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6205	6203	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				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

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INVERTER TORQUE: CONSTANT 10:1		
INV. HP SPEED RANGE: 1.5 X BASE SPEED		
ENCODER: NONE		
NONE NONE		
NONE NONE PPR		
BRAKE: NONE NONE		
NONE P/N NONE		
NONE NONE		
NONE FT-LB	NONE V	NONE Hz

DATE: 06/28/2017 02:06:24 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
60
1

 Volts
 HZ
 HP

 HP 1 & 1

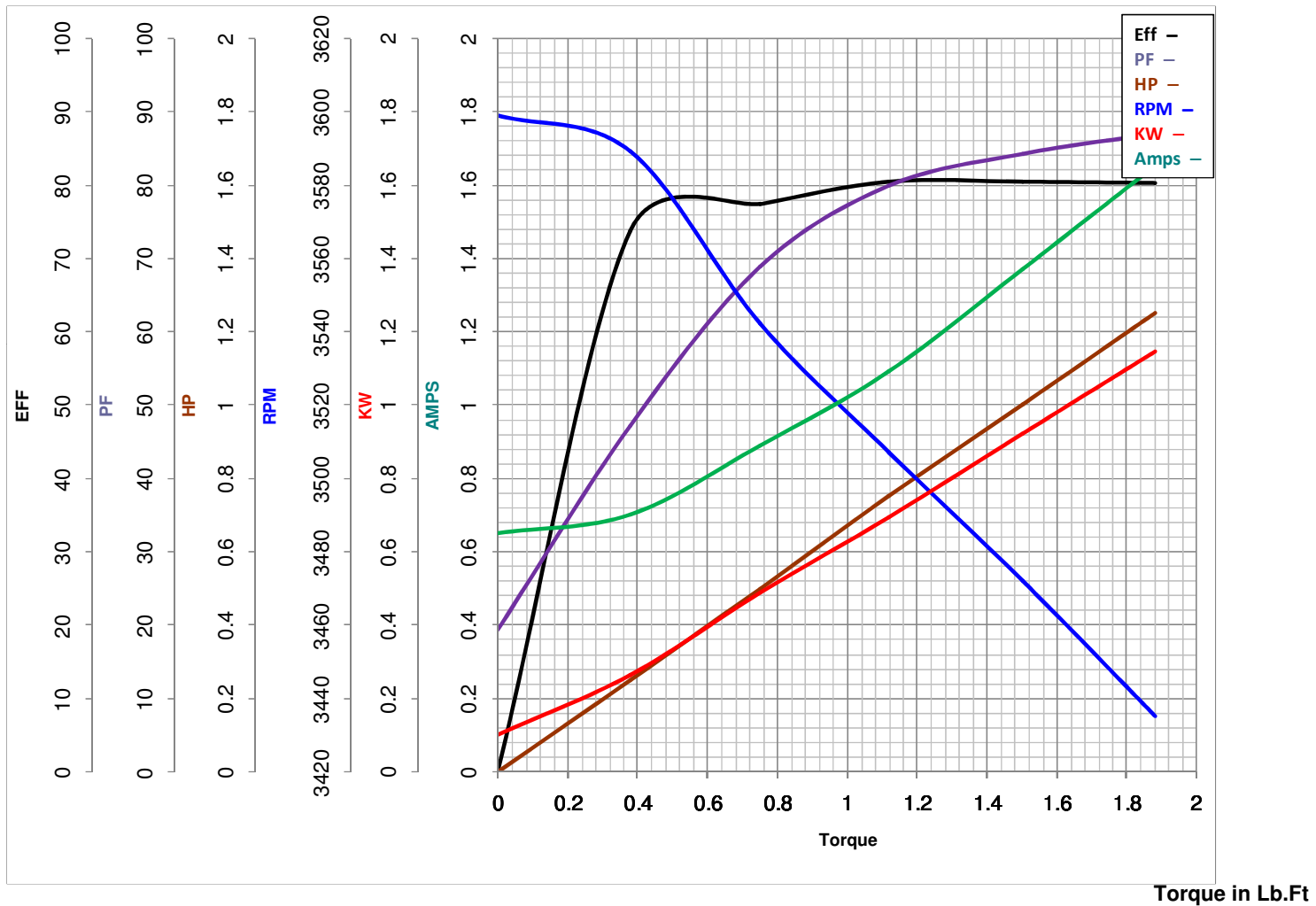
 PHASE 3

 Model No 56T34F5940

 VOLTS 208-230/460&190/380

 Catalog No E2000

 HZ 60&50

 RPM 3490&2890

 FL TORQUE 1.5 Lb.Ft
 BD TORQUE 5.1 Lb.Ft
 LR TORQUE 3.6 Lb.Ft

 FL AMPS 3-2.8/1.4
 PU TORQUE 3.4 Lb.Ft
 LR AMPS 10

WINDING T632172-

Date