PRODUCT INFORMATION PACKET

Model No: 080T17FH5326
Catalog No: R310
3/4,1800,TEFC,80,3/60/230/460
TEFC

Product Information Packet: Model No: 080T17FH5326, Catalog No:R310 3/4,1800,TEFC,80,3/60/230/460

Nameplate Specifications

Output HP	**0.75 Hp**	Output KW	**0.56 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**2.5/1.3 A**	Speed	**1690 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**74 %**	Duty	**Continous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**H**	Frame	**80**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6204**
Opp Drive End Bearing Size	**6204**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**55**		

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	**Aluminum**	Shaft Type	**IEC**
Overall Length	**11.1 in**	Shaft Diameter	**0.750 in**
Shaft Extension	**1.57 in**	Assembly/Box Mounting	**F3**
Outline Drawing	**16986100ME**	Connection Diagram	**00546501ME**

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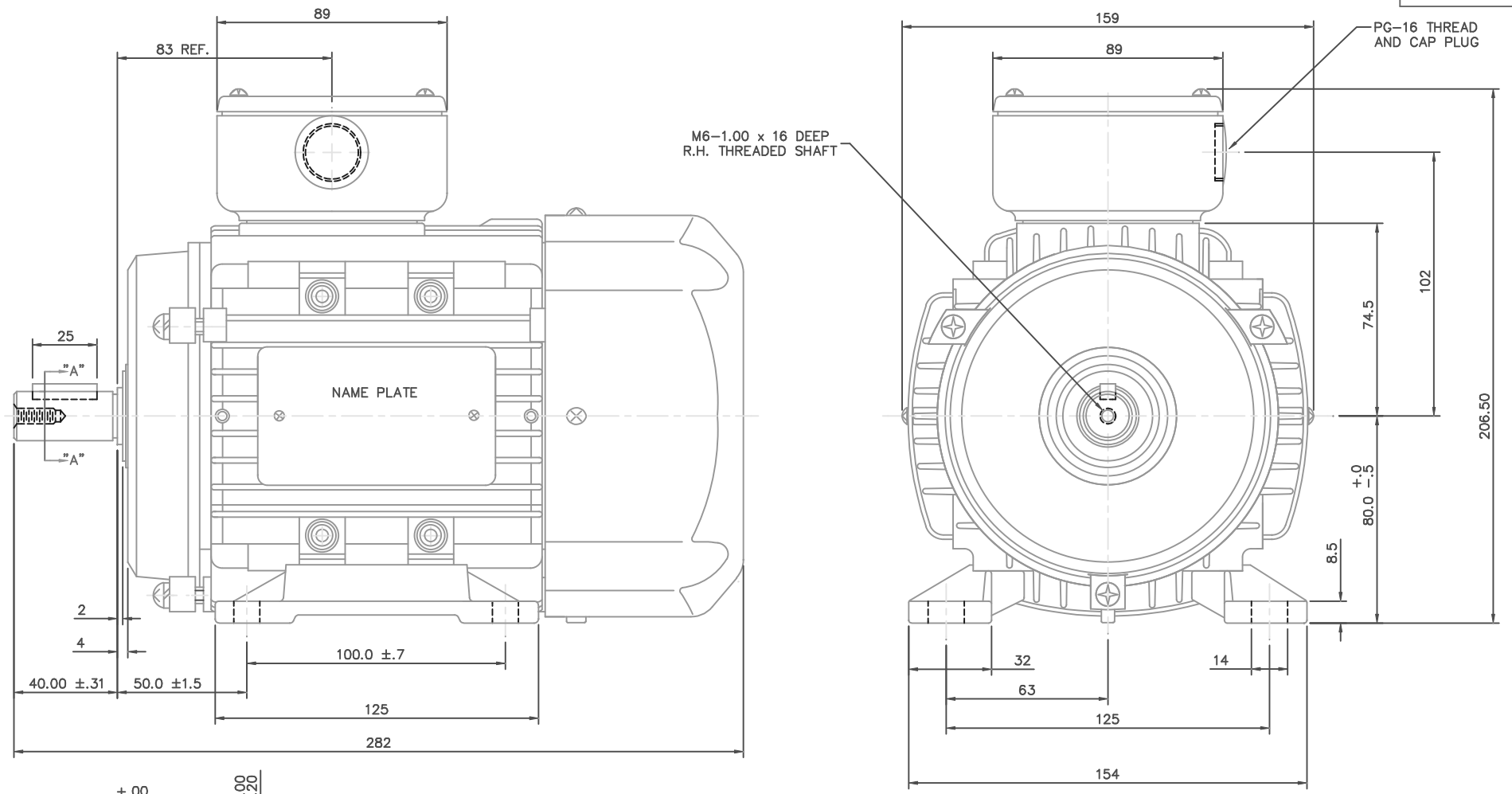
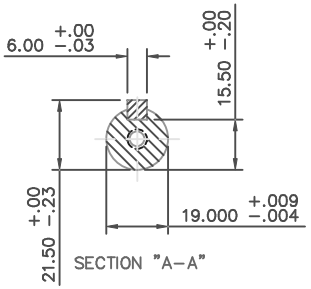
169861-00ME





TOLERANCES UNLESS SPECIFIED	
DEC.	METRIC
.X	±2.5
.XX	±.76
.XXX	±.127
.XXXX	±.0127
ANG	±7'30"

MARATHON ELECTRIC

NO.	REVISION	BY & DATE	CHK

DRAWN	RDW 2/4/04
CHK	
APPD	SW 2/4/04
SCALE	1=1.5
REF	OSVC-300-552
FMF	
PREV	

TITLE: METRIC OUTLINE, IMB3
IEC-80 FRAME TEFC

MAT'L.: ALUMINUM

FINISH:

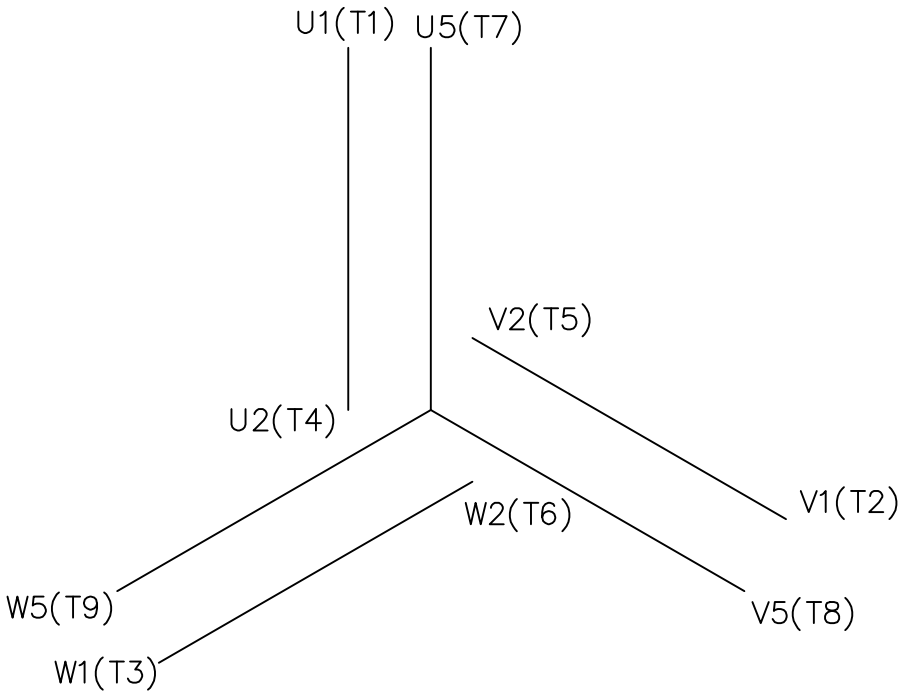
RFP

DIST

CAD FILE: 16986100ME

SIZE	DRAWING NO.	REV.
B	169861-00ME	

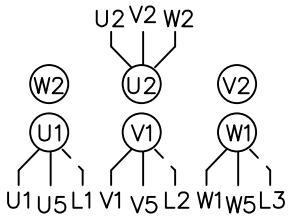
005465ME–01



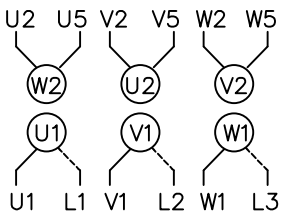
REF. DECAL (IEC) 080644
REF. DECAL (NEMA) 080446

IEC MARKINGS

LOW VOLTAGE



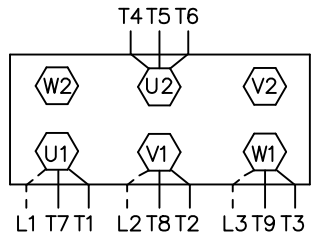
HIGH VOLTAGE



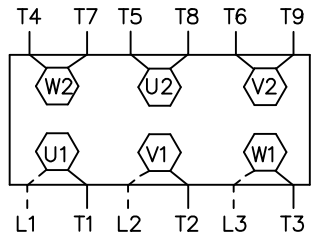
LINE VOLTAGE	L1	L2	L3	JOIN		
TERMINAL	U1	V1	W1	W2	U2	V2
LOW	U1,U5	V1,V5	W1,W5	---	U2,V2,W2	---
HIGH	U1	V1	W1	U2,U5	V2,V5	W2,W5

NEMA MARKINGS

LOW VOLTAGE



HIGH VOLTAGE



LINE VOLTAGE	L1	L2	L3	JOIN		
TERMINAL	U1	V1	W1	W2	U2	V2
LOW	T1, T7	T2, T8	T3, T9	---	T4,T5,T6	---
HIGH	T1	T2	T3	T4, T7	T5, T8	T6, T9

NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

MARATHON ELECTRIC

TITLE EXTERNAL WIRING DIAGRAM
3 PHASE – DUAL VOLTAGE – W/TERM BLOCK
MAT'L. IEC/NEMA MARKINGS
FINISH
CAD FILE 00546501ME
RFP 02–17–2010
DIST

DRAWN JGO 3/10/04
CHK SB 02–17–2010
APPD MJS 02–17–2010
SCALE 1=1
REF
FMF
PREV

SIZE A
DRAWING NO. 005465ME–01
REV.

2/17/2010 11:05:39 AM

CERTIFICATION DATA SHEET

Model#:	80T17FH5326 A	**WINDING#:**	QT8041 FR 3
CONN. DIAGRAM:	00546501ME	**ASSEMBLY:**	F3
OUTLINE:	16986100ME		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4&3/4	.56&.56	1800	1690&1390	80	TEFC	H	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#200/400	2.5/1.25&2.9/1.45	LINE OR INVERTER	CONTINUOUS	F5	1.15/1.15	40	3300

FULL LOAD EFF: 74	3/4 LOAD EFF: -	1/2 LOAD EFF: -	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 76	3/4 LOAD PF: -	1/2 LOAD PF: -	-	SQ CAGE INV RATED	/

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
- LB-FT	13.8 / 6.9	5.85 LB-FT 260	6.1 LB-FT 271	37

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

*** SUPPLEMENTAL INFORMATION ***

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

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6204	BALL 6204	POLYREX EM	STANDARD IEC	NONE	NONE	AISI 1045 (C-240)	ALUMINUM

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

INVERTER TORQUE: CONSTANT 20:1 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

* NOTES *

DATE: 06/28/2017 03:56:17 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.