PRODUCT INFORMATION PACKET

Model No: 143TTWD6026
Catalog No: N414A
1,1800,TEFC,143TC,3/60/230/460
Washdown Duty

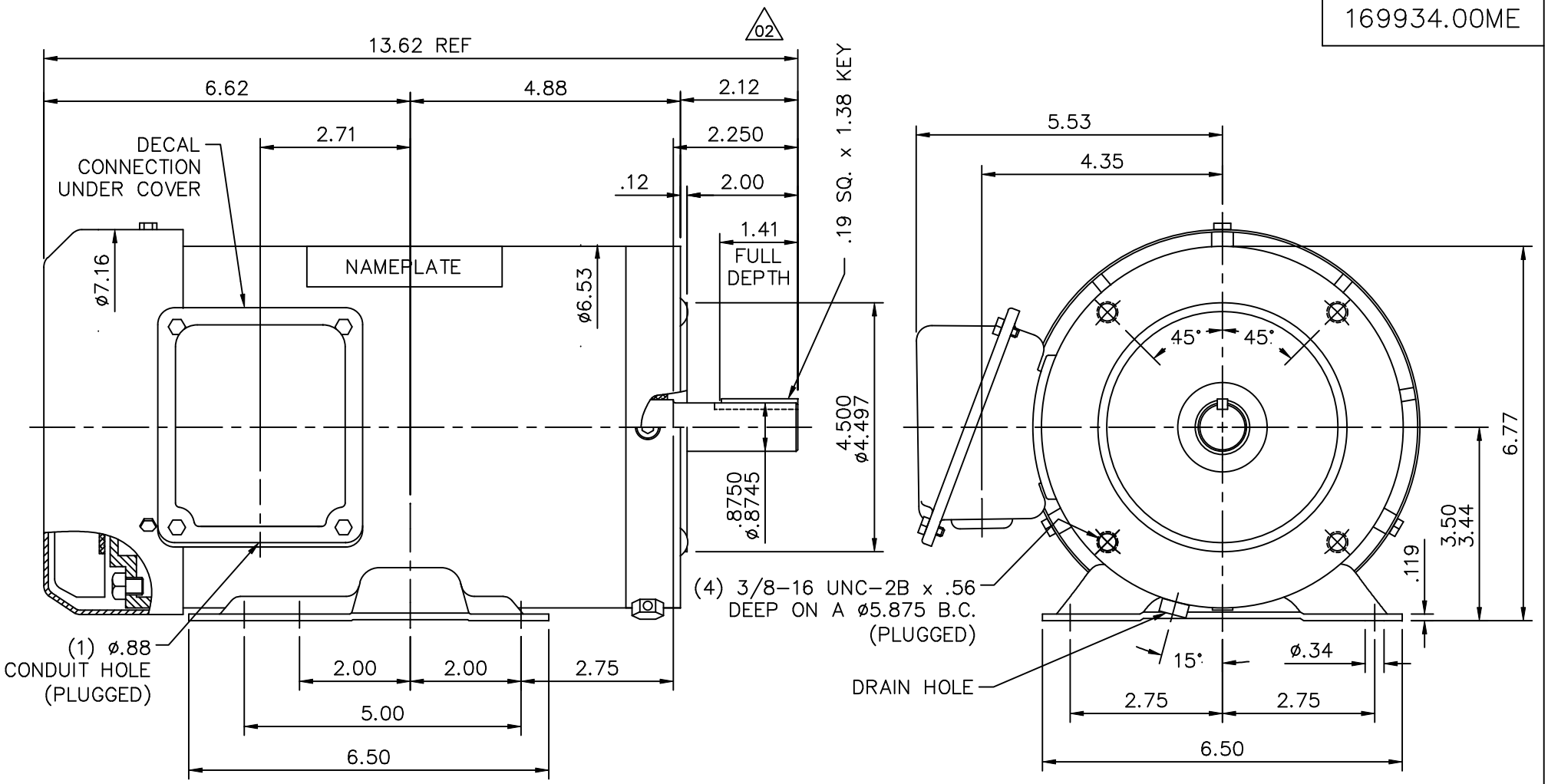
Nameplate Specifications

Output HP	**1 Hp**	Output KW	**0.75 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**3.0/1.5 A**	Speed	**1750 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**85.5 %**	Duty	**Continous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**N**	Frame	**143TC**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6205**
Opp Drive End Bearing Size	**6205**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**55**		

Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
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	**T**
Overall Length	**13.62 in**	Shaft Diameter	**0.875 in**
Shaft Extension	**2.12 in**	Assembly/Box Mounting	**F1 Only**
Outline Drawing	**16993400ME**	Connection Diagram	**005010-01ME**

169934.00ME



MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
PERMISABLE SHAFT RUNOUT .002 T.I.R.

GASKETS THROUGHOUT

NO.	REVISION	BY & DATE	CHK
02	UPDATED SHAFT EXT DIMS	RDW 4/26/04	SW
01	CONDUIT HOLE WAS 1/2–14 NPT, DIM .157 WAS .12	SW 10/7/2003	RDW

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

MARATHON ELECTRIC

DRAWN	MGM 04/09/03
CHK	RDW 04/09/03
APPD	
SCALE	3=8
REF	
FMF	
PREV	

TITLE: OUTLINE – 143–145TC FRAME TEFC – RIGID "C"

MAT'L.

FINISH

CAD FILE: 16993400ME

RFP

DIST

SIZE	DRAWING NO.	REV.
A	169934.00ME	01

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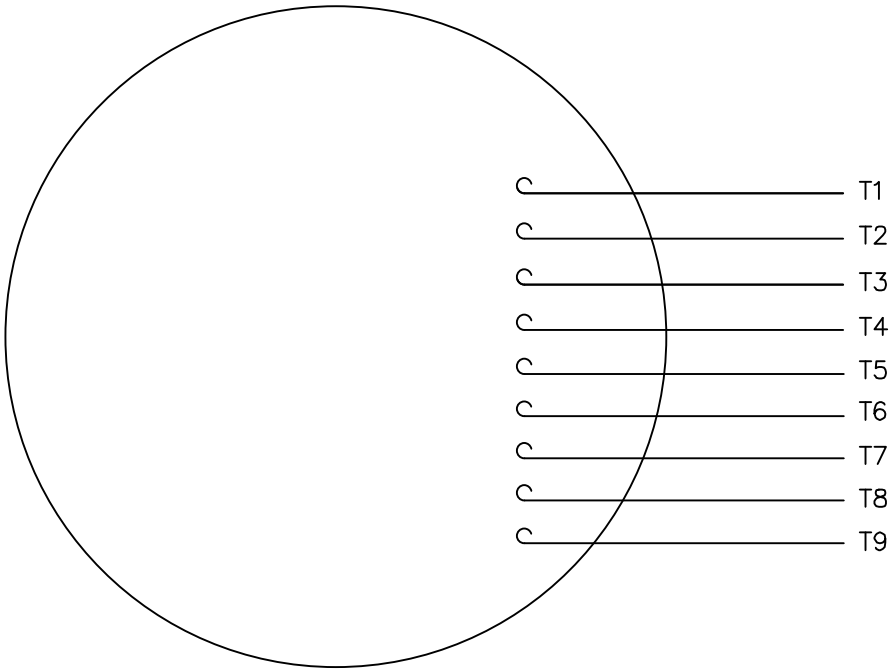
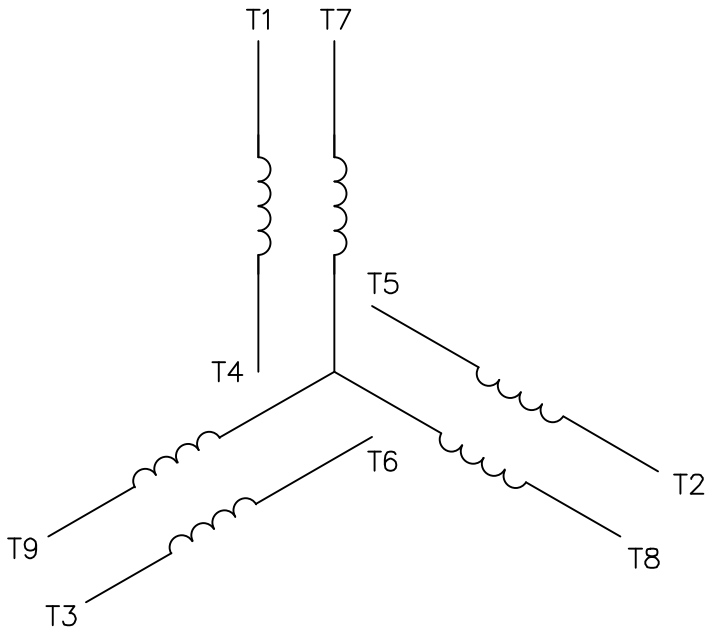
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



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

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 W/O PROTECTOR

MAT'L. DECAL – 004014

FINISH

DRAWN RDW 04/12/02
CHK
APPD
SCALE 1=1
REF FIG.2–51
FMF
PREV

RFP 04/12/02
DIST

CAD FILE 00501001ME

SIZE	DRAWING NO.	REV.
A	005010–01ME	

CERTIFICATION DATA SHEET

Model#:	143TTWD6026 AA	**WINDING#:**	QT63420 FR 3
CONN. DIAGRAM:	005010-01ME	**ASSEMBLY:**	F1 ONLY
OUTLINE:	16993400ME		

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1&3/4	.75&.56	1800	1750&1450	143TC	TEFC	N	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/380	3.0/1.5&3.0/1.5	ACROSS THE LINE	CONTINUOUS	F5	1.15/1.15	40	3300

FULL LOAD EFF: 85.5&84	3/4 LOAD EFF: 86.1	1/2 LOAD EFF: 83.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 71.5&69.5	3/4 LOAD PF: 62.8	1/2 LOAD PF: 51.1	0	SQ CAGE IND RUN	2 / 1

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.99 LB-FT	30.2 / 15.1	13.17 LB-FT 440	15.83 LB-FT 529	0

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	10 SEC.	-	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	NO PAINT

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6205	BALL 6205	POLYREX EM	T	NONE	NONE	303 STAINLESS (C-501)	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

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

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

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DATE: 06/23/2017 01:05:19 AM
FORM 3531 REV.3 02/07/99
** Subject to change without notice.

Data Sheet

Date: 16-06-2017
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon electric

143TTWD6026

Submittal

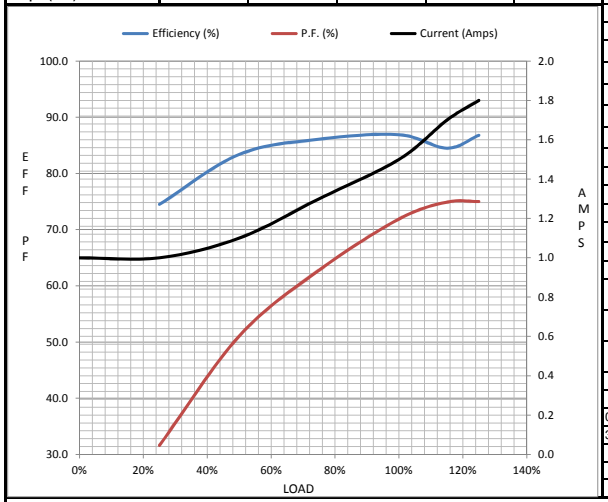
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.00	1.00	1.10	1.30	1.50	1.70	1.80	15.1	
Torque (ft-lb)	0.00	0.74	1.48	2.23	2.99	3.5	3.8	13.2	
RPM	1800	1790	1779	1768	1757	1,750	1745	0	
Efficiency (%)		74.5	83.4	86.1	86.9	84.5	86.8		
P.F. (%)	7.7	31.6	51.1	62.8	71.9	74.9	75.0	55.8	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	193	1264	1757	1800
Current (Amps)	15.1	14.8	10.1	1.50	1.00
Torque (ft-lb)	13.2	10.5	15.8	2.99	0.00



Information Block

HP	1.0
Sync. RPM	1800
Frame	143
Enclosure	TEFC
Construction	NA
Voltage	230/460#190/380V
Frequency	60 Hz
Design	A
LR Code letter	N
Service Factor	1.15
Temp Rise @ FL	33 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	0.00 Lb-Ft²
Ref Wdg	QT63420 FR
Sound Pressure @ 1M	999 dBA
VFD Rating	NONE
Outline Dwg	16993400ME
Conn. Diag	005010-01ME

Additional Specifications:

0

365THFS8036

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000

Speed -Torque Curve