PRODUCT INFORMATION PACKET

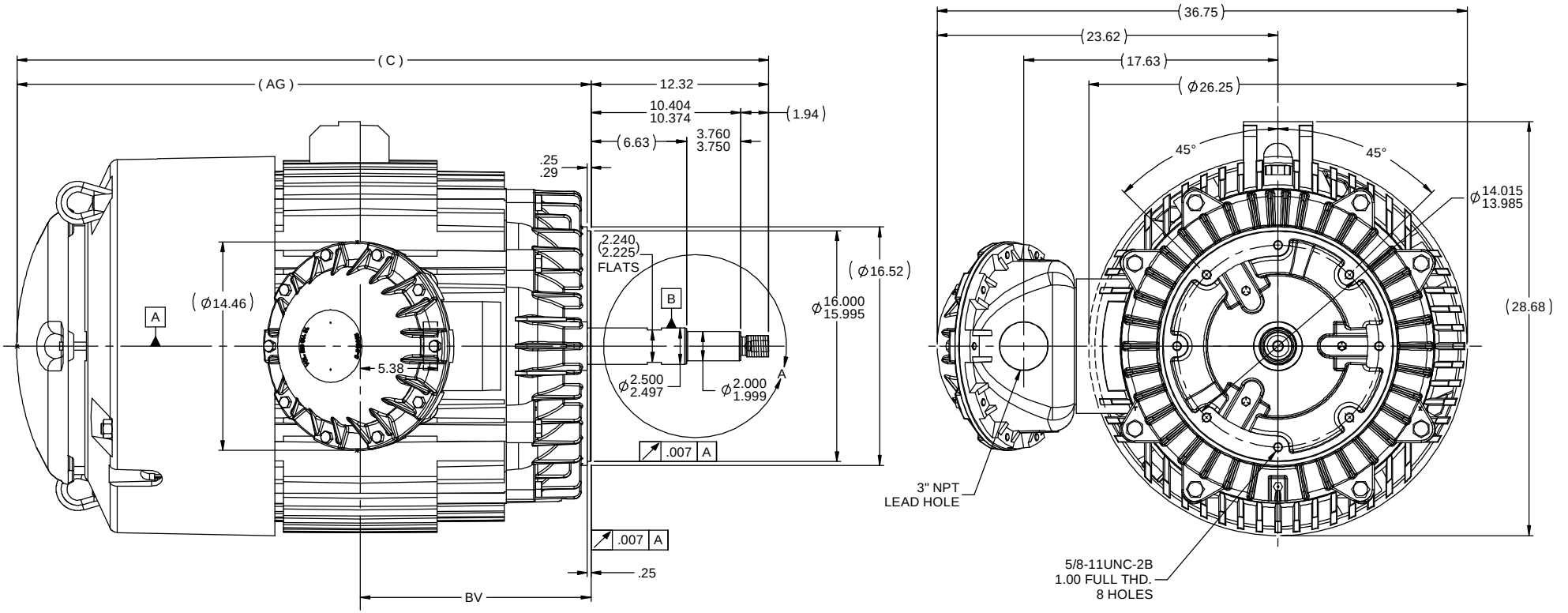
Model No: 444TTGN18579
Catalog No: 444TTGN18579
100,1200,EPFC,444TCVZ,3,60,575

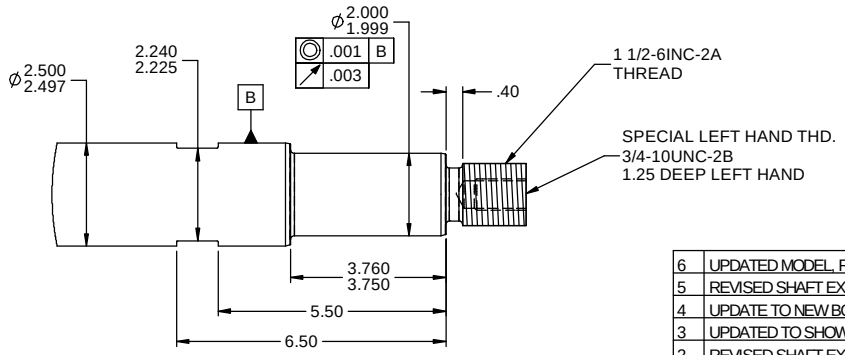
Nameplate Specifications

Phase	3	Output HP	100 Hp
Output KW	75.0 kW	Voltage	575 V
Speed	1188 rpm	Service Factor	1.15
Frame	444TCVZ	Enclosure	Explosion Proof Fan cooled
Thermal Protection	No Protection	Efficiency	94.5 %
Ambient Temperature	55 °C	Frequency	60 Hz
Current	101.0 A	Power Factor	79
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6316
UL	No	CSA	N
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	EXP PROOF CL I GR C&D T2A

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.042 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Single Special Extension	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS552137-2025	Connection Drawing	A-EE7300





DETAIL A
SCALE 1 : 3

NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	C	AG	BV
2025	440TCVZ	52.11	39.79	16.00

NO	REVISION	BY & DATE	CHK
6	UPDATED MODEL, REV'D BV DIM., WAS 15.75 MU105400	JJB 12/27/2011	MJS
5	REVISED SHAFT EXTENSION ISAAC 11-1324	WGJ 4/20/2011	EMH
4	UPDATE TO NEW BOLT-ON C'BOX	RWR 05/31/2007	ML
3	UPDATED TO SHOW PIPE NIPPLE MU78960	TJW 5/24/2007	ML
2	REVISED SHAFT EXT. PER CN40781	TJW 5/23/2007	ML
1	UPDATE D.E. EXT. AND ADD DETAIL CN40940	RWR 01-17-2007	ML

TOLERANCES UNLESS SPECIFIED
DEC INCHES
.X ±.1
.XX ±.03
.XXX ±.005
.XXXX ±.0005
ANG ±7'30"

marathon electric

TITLE OUTLINE - VERT. - SPL. EXT.
440TCVZ FR. - EPFC - TGN
MAT'L
FINISH

DRAWN TAT 10-10-2006
CHK ML 10-10-2006
APPR SW 10-11-2006
SCALE 1:6.8
REF
FMF MU75601
PAGE OF

THIRD ANGLE PROJECTION
RFP
PREV
NETWORK FILE NAME SS552137
SIZE B
DRAWING NO SS552137
REV 6

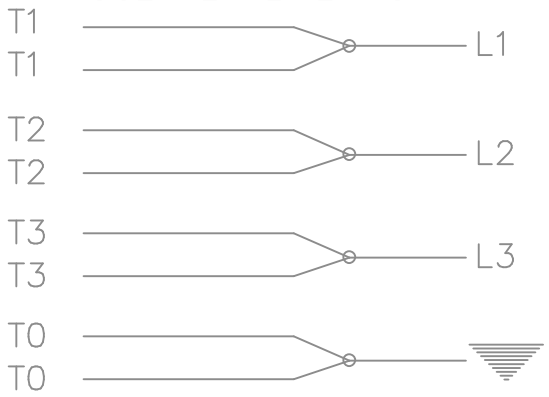
EE7300HU

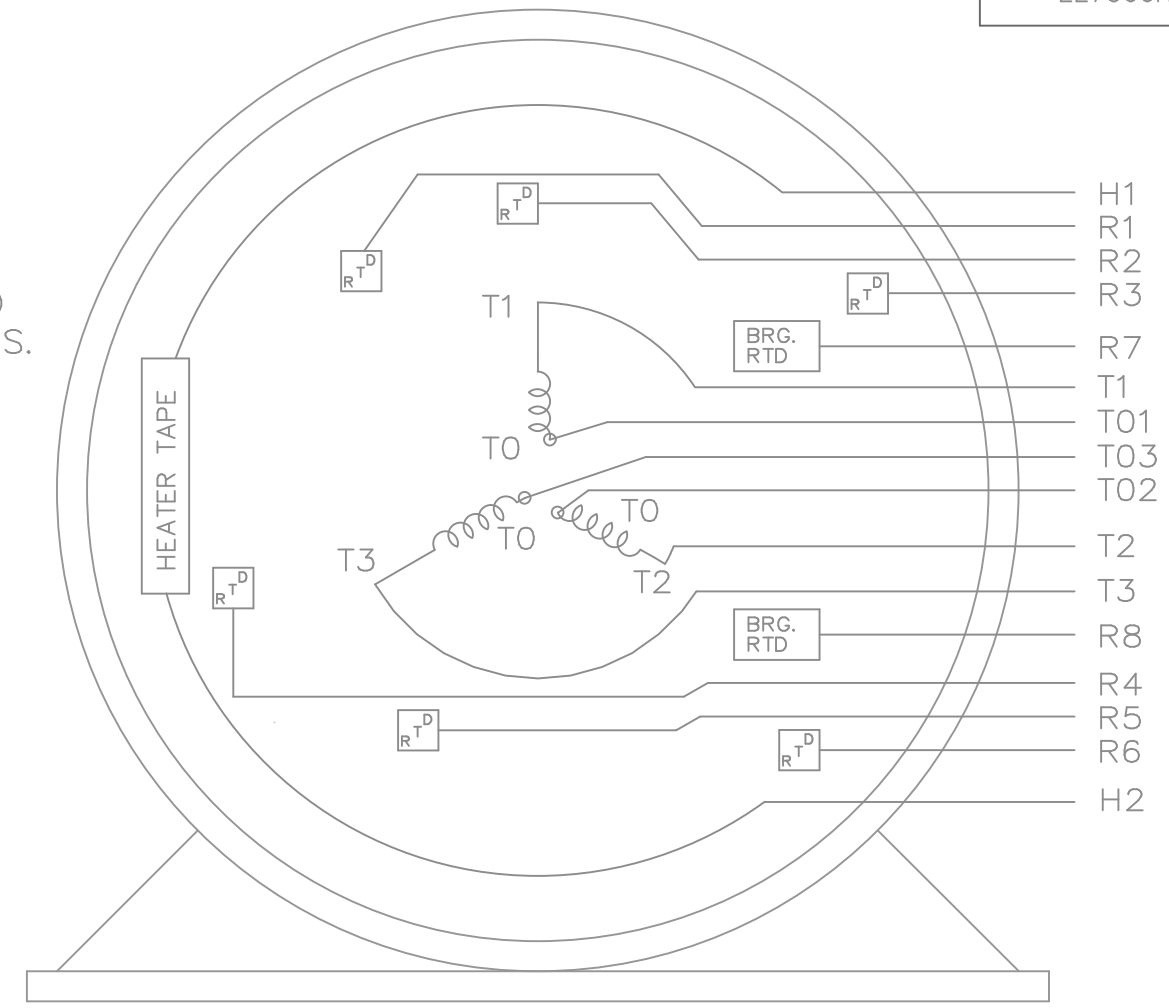
THREE PHASE – SINGLE VOLTAGE
MOTOR OR INDUCTION GENERATOR
WITH 6 STATOR RTD'S MARKED R1
THRU R6, 2 BRG. RTD'S MARKED
R7 AND R8, AND 2 HEATER LEADS
MARKED H1 AND H2

NOTE:
WHEN MORE THAN ONE HEATER IS USED
HEATERS MUST BE CONNECTED IN SERIES.

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

IF MOTOR HAS MULTIPLE
T'S PER LEAD CONNECT
TOGETHER LIKE T'S





VIEW OF TERMINAL END

NO.	REVISION	BY & DATE	CHK
2	REDRAWN IN AUTOCAD	TAT 08-02-2004	ML
1	NEW DRAWING MU38688	KL 10-09-2001	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.02
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

MARATHON ELECTRIC

TITLE CONNECTION DIAGRAM – EXTERNAL

MAT'L.

FINISH

CAD FILE ee7300hu

RFP

DIST

DRAWN	KL 10-09-2001
CHK	DJK 10-09-2001
APPD	EAB 10-09-2001
SCALE	1=1
REF	
FMF	
PREV	

SIZE	DRAWING NO. PAGE OF	REV.
A	EE7300HU	2

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