PRODUCT INFORMATION PACKET

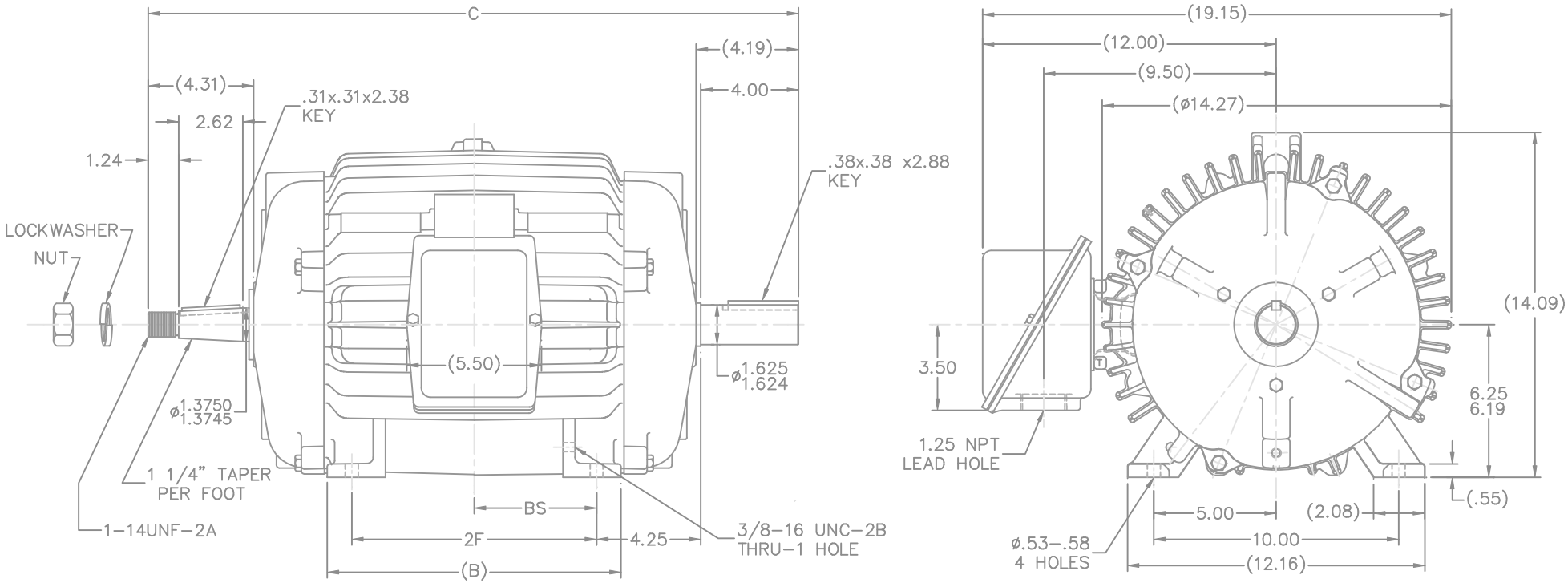
Model No: 254THTNA18542
Catalog No: 254THTNA18542
15,1800,TENV,254TZ,3/60/460

Nameplate Specifications

Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	460 V
Current	18.8 A	Speed	1775 rpm
Service Factor	1	Phase	3
Efficiency	92.4 %	Power Factor	81
Duty	Continuous	Insulation Class	H
Design Code	A	KVA Code	G
Frame	254TR	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	309	Opp Drive End Bearing Size	210
UL	Recognized	CSA	Y
CE	Y	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.65 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Special Extension Both Sides	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 1000:1		
Connection Drawing	A-EE7300AK	Outline Drawing	B-SS203592-1050



NOTES:
1. BOX CAN BE ROTATED ON ITS AXIS.
2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	2F	BS
1050	254T	10.25	24.81	8.25	4.12
1225	256T	12.00	26.56	10.00	5.00
1425	256T	14.00	28.56	12.00	4.25

NO.	REVISION	BY & DATE	CHK
4	ADDED LOCKWASHER TO SHAFT 08-4174	MSG 11-25-2008	MSG
3	ADD -1425/REDRAWN IN AUTOCAD	RWR 04-14-2005	BW
2	END MILL ON D.E. WAS KEYWAY MU33270	TJB 09-13-2000	ML
1	NEW DRAWING MU33270	CAV 09-12-2000	ML

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

MARATHON ELECTRIC

TITLE OUTLINE - TENV (CAST C' BOX) 250T FRAME -BB -TS

MAT'L.

FINISH

CAD FILE ss203592

RFP 09-12-2000

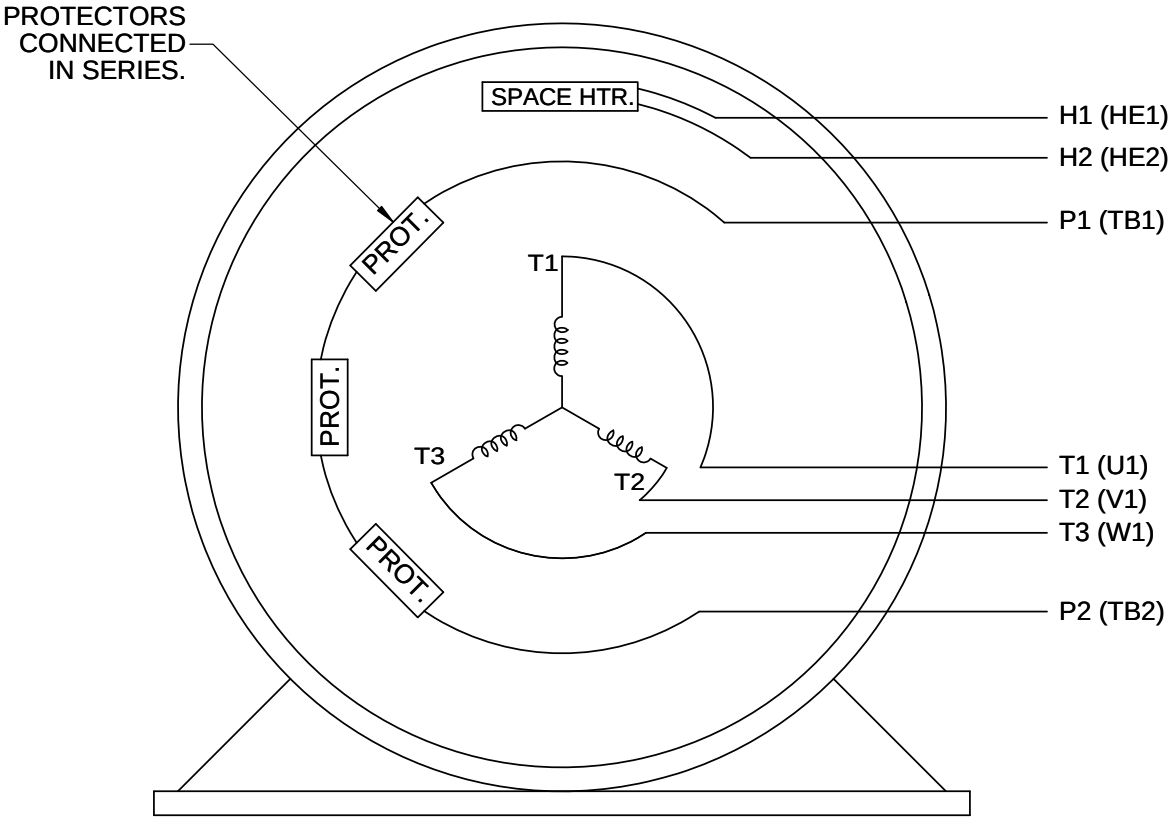
DIST LB

DRAWN CAV 09-06-2000
CHK ML 09-12-2000
APPD BW 09-12-2000
SCALE 5=19
REF
FMF
PREV

SIZE B | DRAWING NO. SS203592 | PAGE 1 OF 1 | REV. 4

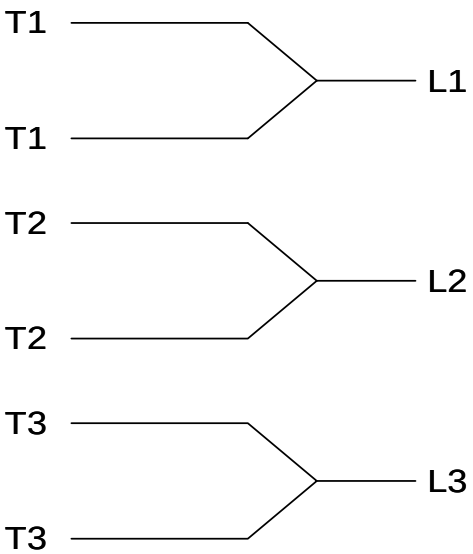
TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

P1 AND P2 PROTECTORS
TO VOLTAGE CONTROL



VIEW OF TERMINAL END

IF MOTOR OR GENERATOR
HAS 6 LEADS



A-9806 DECAL

DRAWING REVISION	REVISION BY	DATE
J	J. OTTO	04-13-2017
ECO	APPROVED BY	DATE
ECO-0121568	T. VUE	04-18-2017

ECO DESCRIPTION
ADDED IEC NOTATIONS

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7' 30"
.XX	±0.02	[±0.51]	
XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP
EDGES: .003/.015 [.076/.381]
CORNER FILLETS: .02 [.51]
MACHINED SURFACES: 200 INCH / 5.1 mm
mm SHOWN IN [BRACKETS]

DRAWN BY	MJD
DATE	06-24-2014
APPROVED BY	TB
DATE	07-06-1998
REFERENCE	
THIRD ANGLE PROJECTION	

REGAL™ Regal Beloit America, Inc.

DESCRIPTION
CONN DIAGRAM-INTERNAL
SINGLE VOLT-3Ø MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7300AK	1 OF 1