PRODUCT INFORMATION PACKET

Model No: 256THFNA17102
Catalog No: 256THFNA17102
7.5,900,TEFC,256T,3/60/230/460

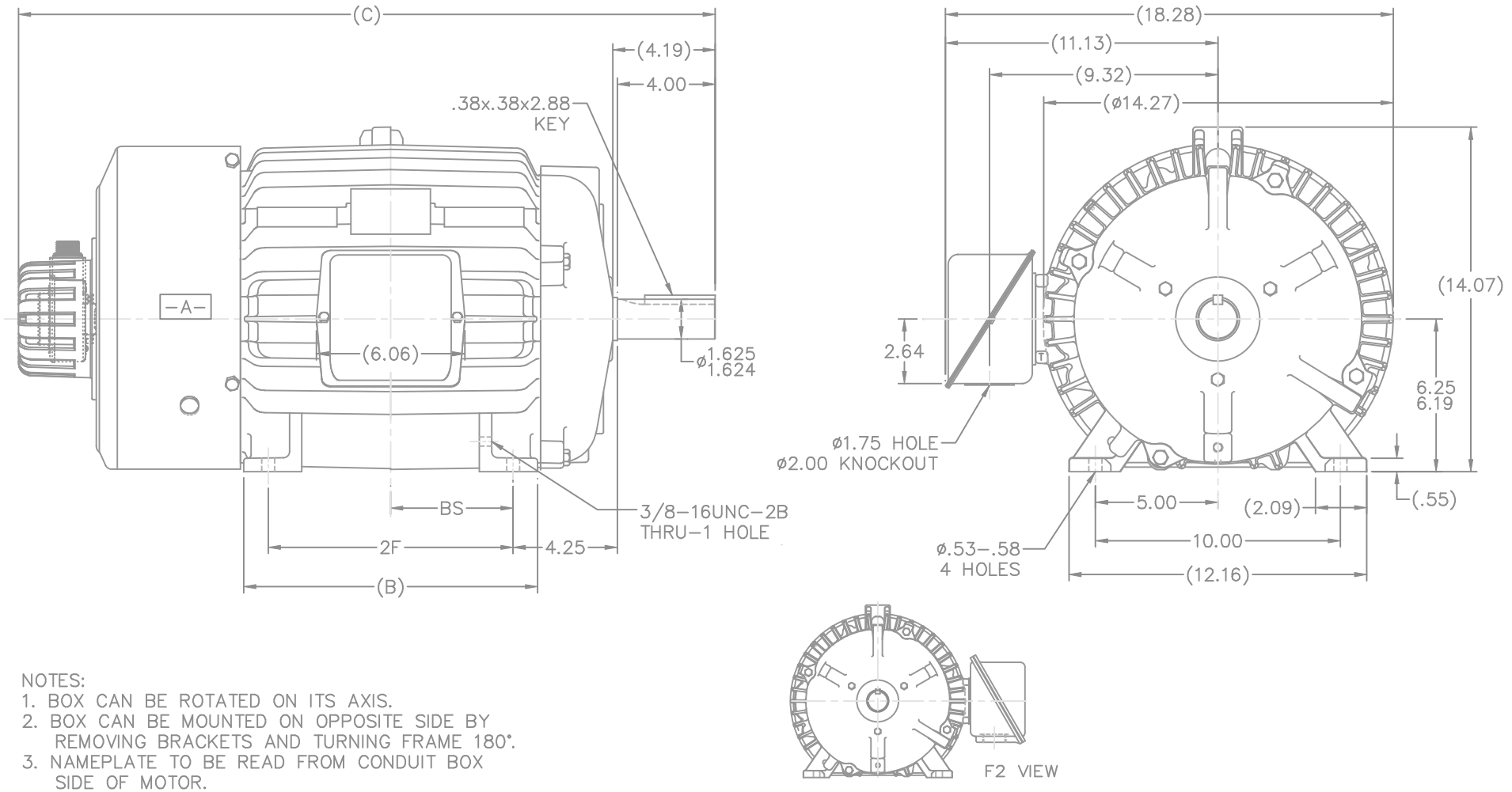
marathon® Motors

Nameplate Specifications

Phase	3	Output HP	7.50 Hp
Output KW	5.6 kW	Voltage	230/460 V
Speed	875 rpm	Service Factor	1
Frame	256T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Efficiency	88.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	22.0/11.0 A	Power Factor	73
Duty	Continuous	Insulation Class	H
Design Code	A	KVA Code	F
Drive End Bearing Size	309	Opp Drive End Bearing Size	210
UL	No	CSA	Y
IP Code	43	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	8	Rotation	Reversible
Resistance Main	1.37 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS203659-1225	Connection Drawing	A-EE7308T



F2 VIEW

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	26.70	8.25	4.12
1225	256T	12.00	28.45	10.00	5.00

NO.	REVISION	BY & DATE	CHK
1	NEW DRAWING MU37426	DAH 05-23-2001	

TOLERANCES UNLESS SPECIFIED

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

MARATHON ELECTRIC

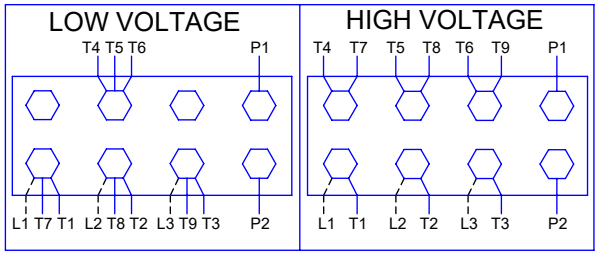
DRAWN DAH 05-22-2001
CHK ML 05-23-2001
APPD BW 05-23-2001
SCALE 1=4
REF
FMF
PREV

TITLE OUTLINE –TEFC – TFNA 250T FR. –BB –
MAT'L.
FINISH
CAD FILE ss203659
RFP 05-23-2001
DIST

SIZE B | DRAWING NO. SS203659 | PAGE OF | REV. 1

HIGH VOLTAGE

(U1) T1 — L1
(V1) T2 — L2
(W1) T3 — L3
(U2) T4
(U3) T7
(V2) T5
(V3) T8
(W2) T6
(W3) T9

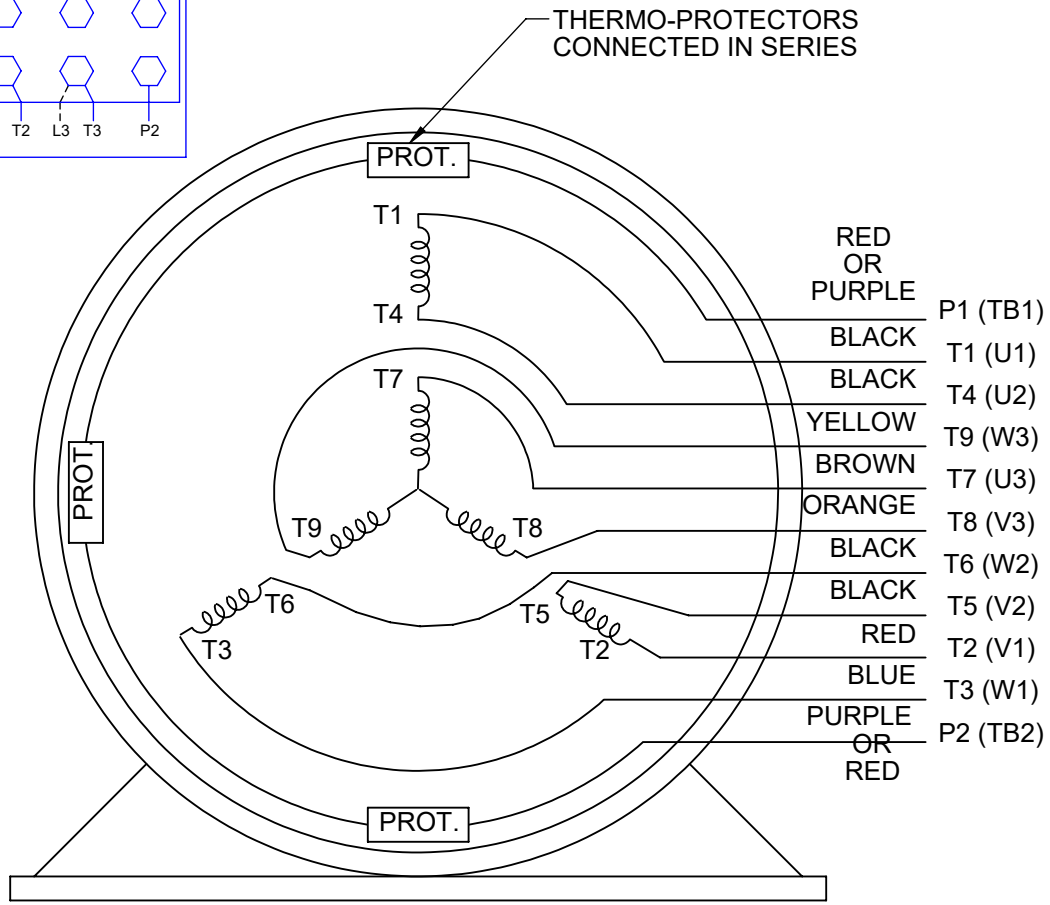


NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

LOW VOLTAGE

(U1) T1
(U3) T7 — L1
(V1) T2
(V3) T8 — L2
(W1) T3
(W3) T9 — L3
(U2) T4
(V2) T5
(W2) T6

THREE PHASE DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT

DRAWING REVISION: T	REVISION BY: ZR	DATE: 01-14-2019		DRAWN BY: SMC	Regal Beloit America, Inc.
ECO: ECO-0159915	APPROVED BY: DR	DATE: 01-15-2019		DATE: 05-13-1992	
ECO DESCRIPTION: ADDED TERMINAL CONNECTION DIAGRAM				APPROVED BY: TB	DESCRIPTION: CONN DIAGRAM-INTERNAL
				DATE: 05-13-1992	3 PHASE - DUAL VOLTAGE MOTOR
				REFERENCE: EE7308/EE7300	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE: A — DRAWING NUMBER: EE7308T — SHEET: 1 OF 1