

PRODUCT INFORMATION PACKET



Model No: 254THEN8070
Catalog No: 254THEN8070
7.5,1800,EPNV,254TCZ,3/60/230/460

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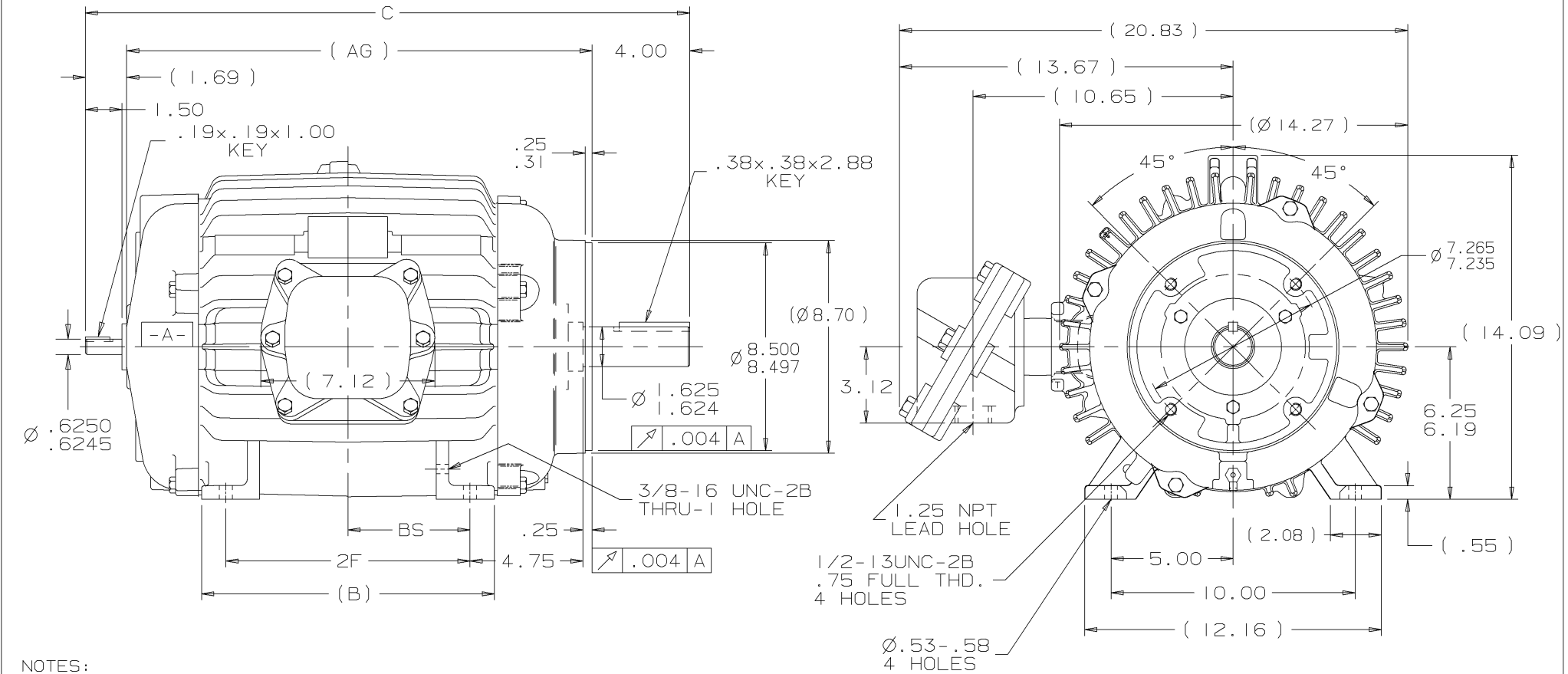
Nameplate Specifications

Phase	3	Output HP	7.50 Hp
Output KW	5.6 kW	Voltage	230/460 V
Speed	1782 rpm	Service Factor	1
Frame	254TCZ	Enclosure	Explosion Proof Non Ventilated
Thermal Protection	Thermostat	Efficiency	91.7 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	22.0/11.0 A	Power Factor	69
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	M
Drive End Bearing Size	309	Opp Drive End Bearing Size	210
UL	Recognized	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 Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.76 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 ONLY
Outline Drawing	B-SS203691-1050	Connection Drawing	A-EE7308T

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- 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	AG	2F	BS					✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± .03 XXX± .005 XXXX± .0005 ANGLES± 7°30"			
1050	254TCZ	10.25	23.00	17.32	8.25	4.12					MATL SPEC	 MARATHON ELECTRIC WAUSAU, WISCONSIN 54401	DRAWN BY DAH	08-16-2001	
1225	256TCZ	12.00	24.75	19.07	10.00	5.00					FINISH		CHKD BY ML	08-17-2001	
							I	08-17-2001	NEW DRAWING	MU38519	DAH		APPD BY CAV	08-17-2001	
							REV	DATE	CHANGE	NAME	PART NAME OUTLINE - TEFC - CAST C'BOX 250TCZ FRAME - BB - TS - DBL. EXT.			DRWG NO B- SS203691	
									SHOP BOOK	PURCHASED	DISTRIBUTION - WA - LB - WP - LM - BR			CADD FILE NO.	SS203691

HIGH VOLTAGE

THREE PHASE
DUAL VOLTAGE MOTOR

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



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
ECO ECO-0159915	APPROVED BY DR	DATE 01-15-2019

ECO DESCRIPTION
ADDED TERMINAL CONNECTION DIAGRAM

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DRAWN BY SMC	DATE 05-13-1992
APPROVED BY TB	DATE 05-13-1992
REFERENCE EE7308/EE7300	THIRD ANGLE PROJECTION



Regal Beloit America, Inc.

DESCRIPTION

CONN DIAGRAM-INTERNAL
3 PHASE - DUAL VOLTAGE MOTOR

MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7308T
	SHEET 1 OF 1