

PRODUCT INFORMATION PACKET



Model No: 254TTEN14033
Catalog No: 254TTEN14033
10,1800,EPNV,254T,3/60/230/460

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Nameplate Specifications

Phase	3	Output HP	10 Hp
Output KW	7.5 kW	Voltage	230/460 V
Speed	1775 rpm	Service Factor	1.15
Frame	254T	Enclosure	Explosion Proof Non Ventilated
Thermal Protection	Thermostat	Efficiency	93 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	25.0/12.5 A	Power Factor	81
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	309	Opp Drive End Bearing Size	309
UL	No	CSA	N
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	EXP PROOF CL I GR D CL II GR F&G T3B

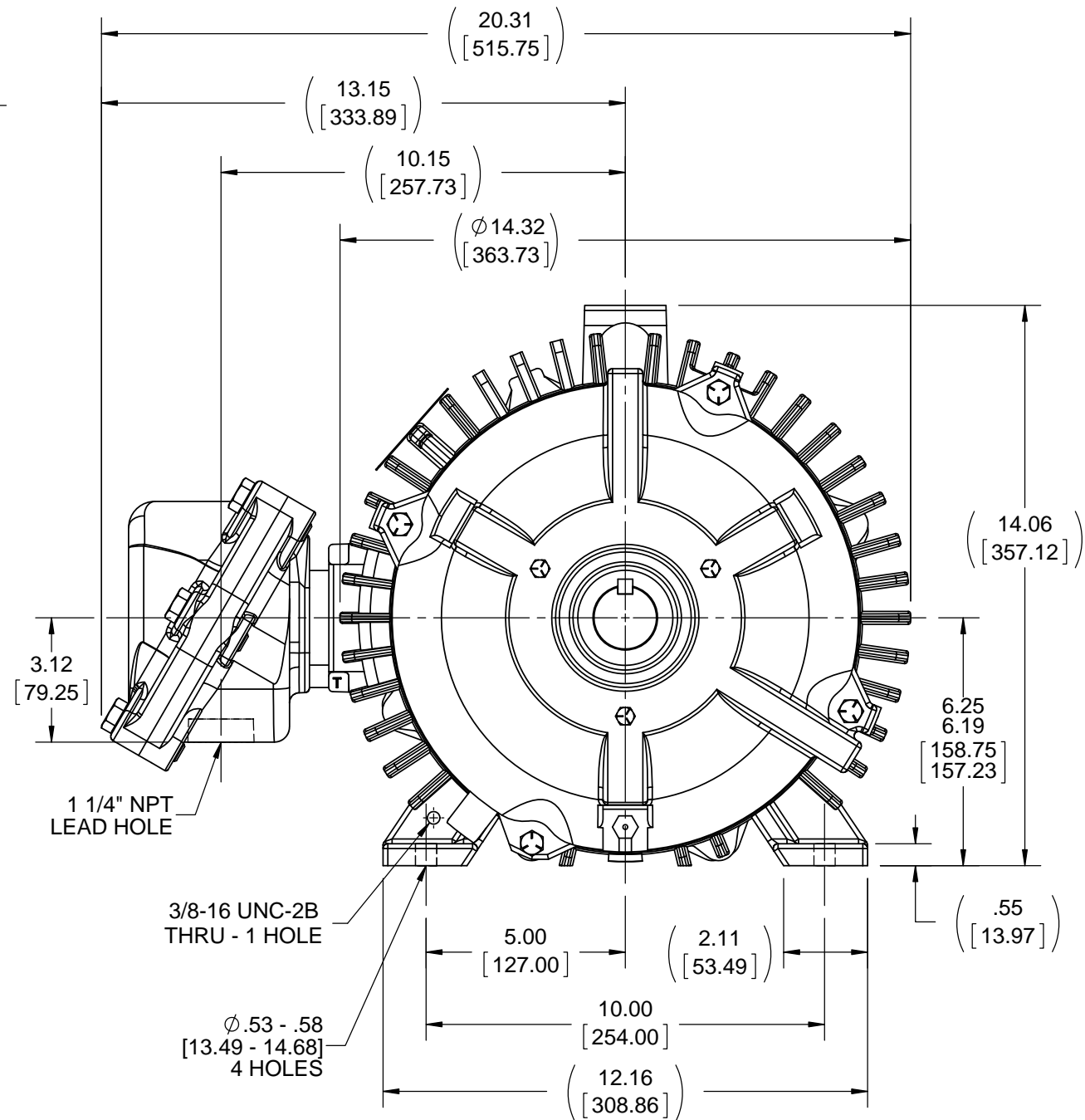
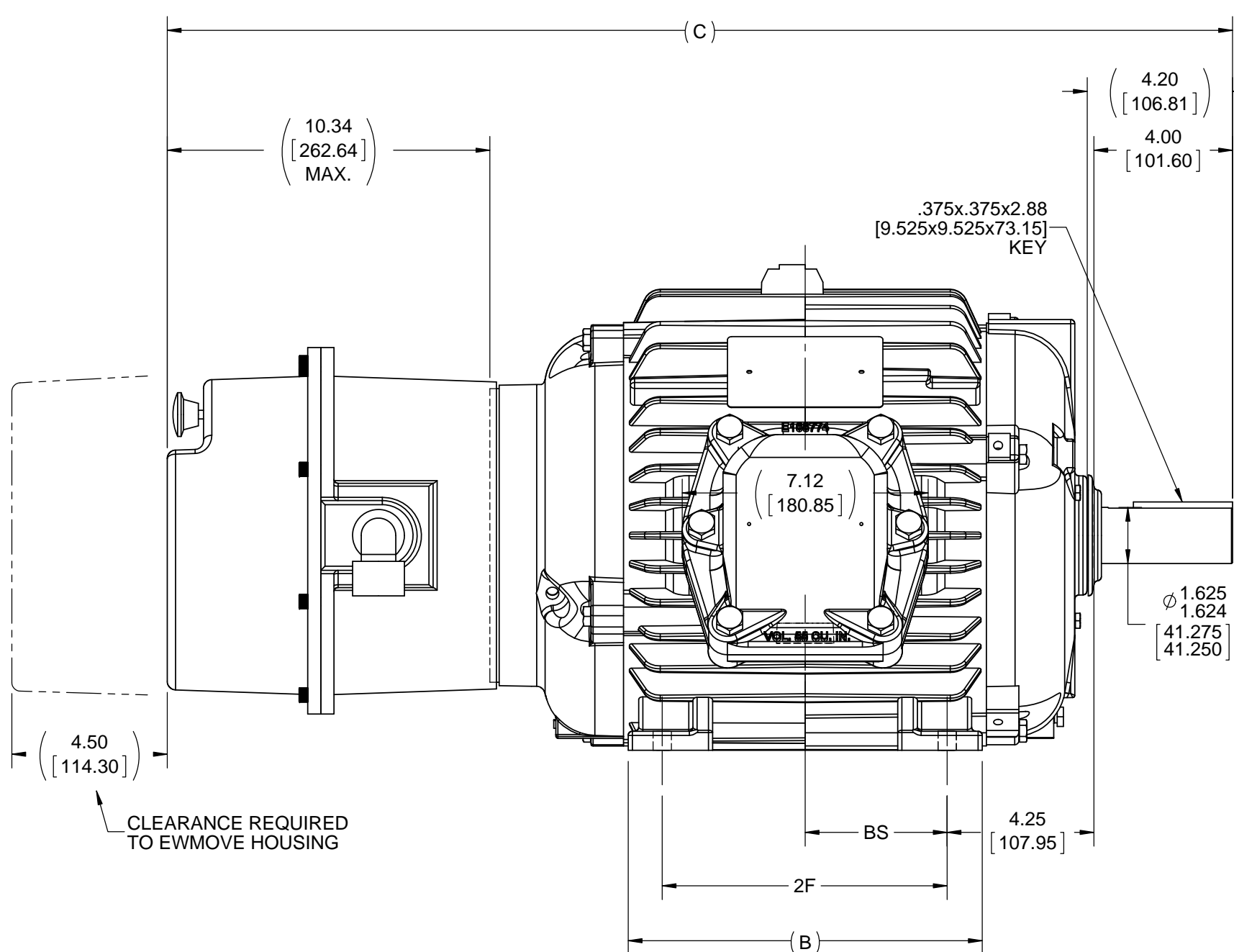
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.82 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-SS203662-1050	Connection Drawing	A-EE7308T

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B

A



B

A

- NOTES:
- CONDUIT BOX CAN BE ROTATED ON ITS AXIS.
 - NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

1050	254T	31.84 [808.74]	10.25 [260.35]	8.25 [209.55]	4.12 [104.77]
1225	254/256T	33.59 [853.19]	12.00 [304.80]	10.00 [254.00]	5.00 [127.00]
DASH	FRAME	C	B	2F	BS

4

DRAWING REVISION	REVISION BY	DATE
E	M GERTSCHEN	11-29-2016
ECO	APPROVED BY	DATE
ECO-0113549	T VUE	11-29-2016
ECO DESCRIPTION		
REDRAWN - UPDATED TO CURRENT STANDARDS		
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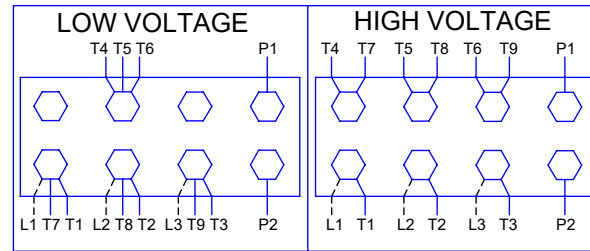
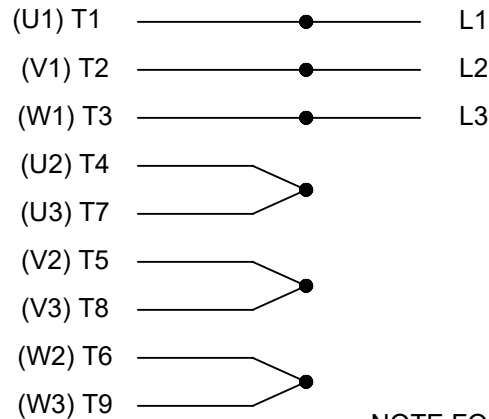
TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	± 0.1	[± 2.5]	$\pm 7^{\circ} 30''$
.XX	± 0.03	[± 0.76]	
.XXX	± 0.005	[± 0.127]	
.XXXX	± 0.0005	[± 0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 INCH 5.1 mm			
mm SHOWN IN [BRACKETS]			

2

DRAWN BY		DATE		DRAWN BY	
DAH		06-01-2001		DAH	
APPROVED BY		DATE		DATE	
ML		06-04-2001		06-04-2001	
REFERENCE		REFERENCE		REFERENCE	
THIRD ANGLE PROJECTION		THIRD ANGLE PROJECTION		THIRD ANGLE PROJECTION	
SIZE		DRAWING NUMBER		SHEET	
B		SS203662		1 OF 1	

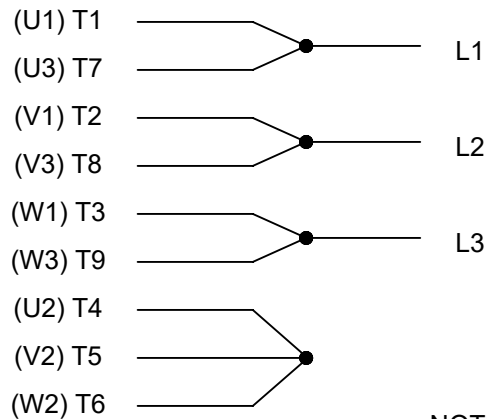
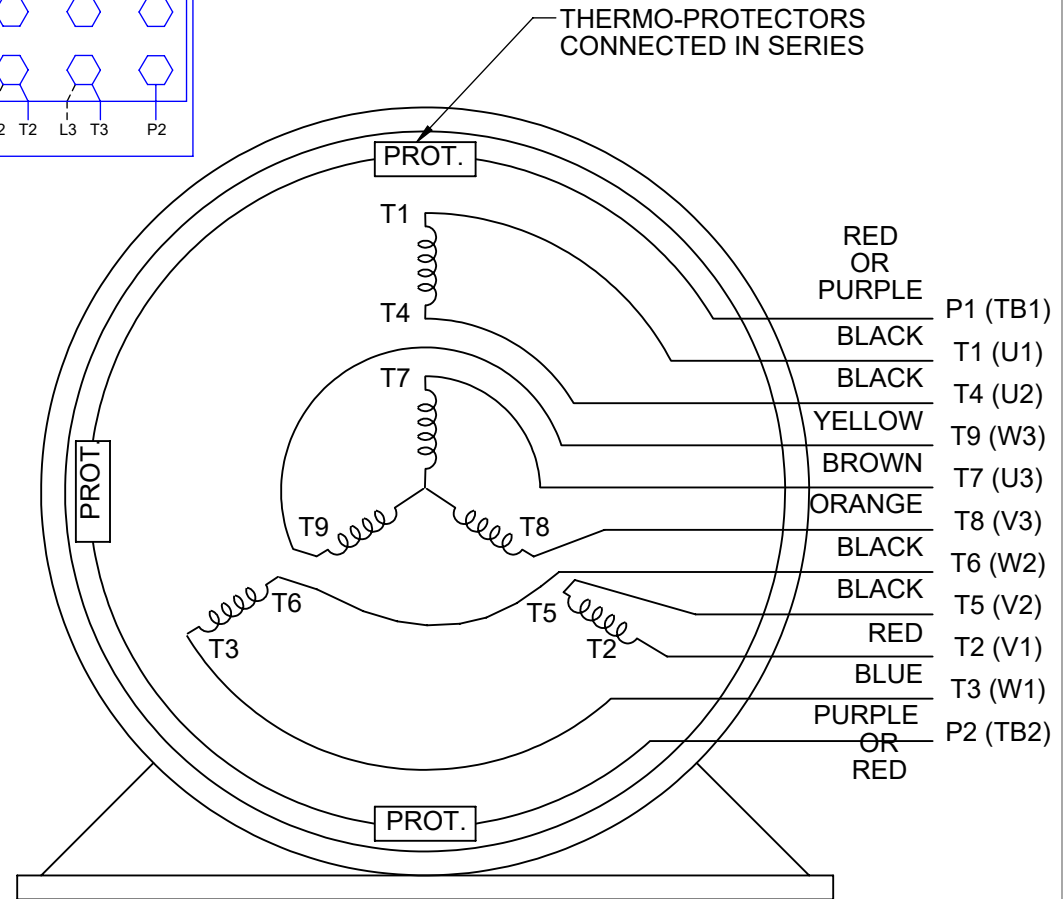
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HIGH VOLTAGE



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

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
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