

PRODUCT INFORMATION PACKET

Model No: 215TPNSB10235
Catalog No: SY009A
10,1800,TENV,215TC,3/60/230/460
SyMAX - Permanent Magnet AC Motors



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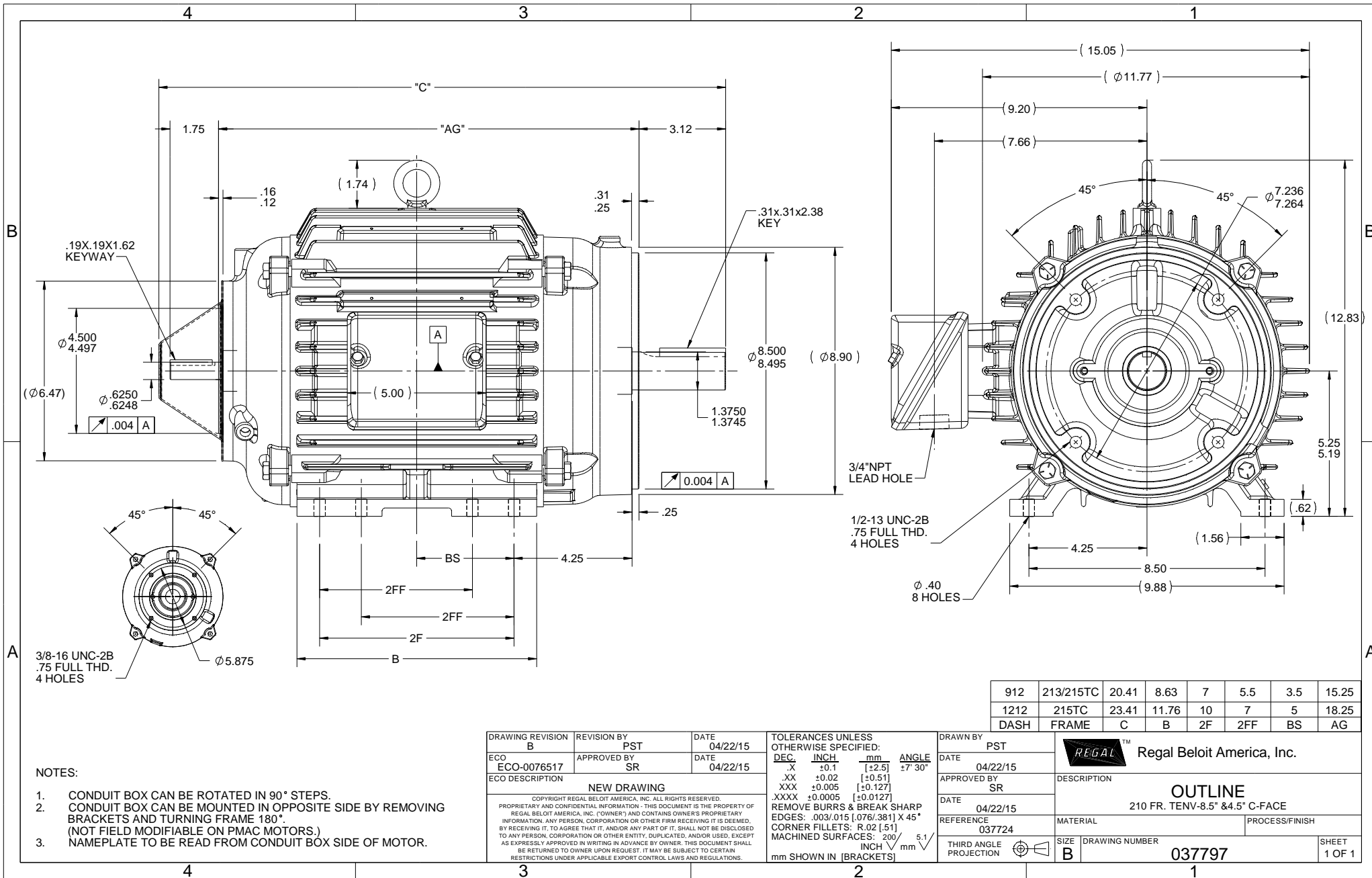
Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	90 Hz	Voltage	230/460 V
Current	24.6/12.3 A	Speed	1800 rpm
Service Factor	1	Phase	3
Efficiency	93.9 %	Duty	CONTINUOUS
Insulation Class	H	Design Code	PM
KVA Code	NO KVA CODE	Frame	215TC
Enclosure	TENV	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6309
Opp Drive End Bearing Size	6208	UL	Recognized
CSA	N	CE	N
IP Code	54		

Technical Specifications

Electrical Type	AC PERMANENT MAGNET	Starting Method	INVERTER ONLY
Poles	6	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	CAST IRON	Shaft Type	T
Overall Length	20.41 in	Frame Length	9.12 in
Shaft Diameter	1.38 in	Shaft Extension	3.12 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	037797-912	Connection Diagram	EE7308T

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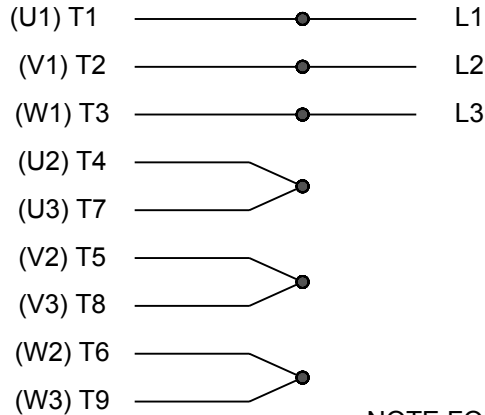
- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED IN OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
(NOT FIELD MODIFIABLE ON PMAC MOTORS.)
 3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DRAWING REVISION B	REVISION BY PST	DATE 04/22/15	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]
ECO-0076517	APPROVED BY SR	DATE 04/22/15	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 INCH 5.1 mm SHOWN IN [BRACKETS]
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DRAWN BY PST	DATE 04/22/15
APPROVED BY SR	DATE 04/22/15
REFERENCE 037724	THIRD ANGLE PROJECTION

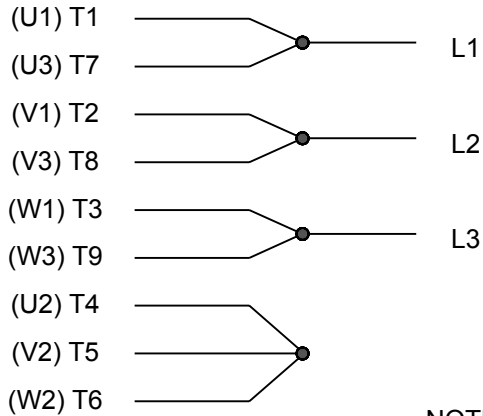
912	213/215TC	20.41	8.63	7	5.5	3.5	15.25
DASH	FRAME	C	B	2F	2FF	BS	AG
REGAL ™		Regal Beloit America, Inc.					
DESCRIPTION		OUTLINE					
MATERIAL		210 FR. TENV-8.5" & 4.5" C-FACE					
PROCESS/FINISH		DRAWING NUMBER		SHEET		1 OF 1	
B		037797		1		1	

HIGH VOLTAGE



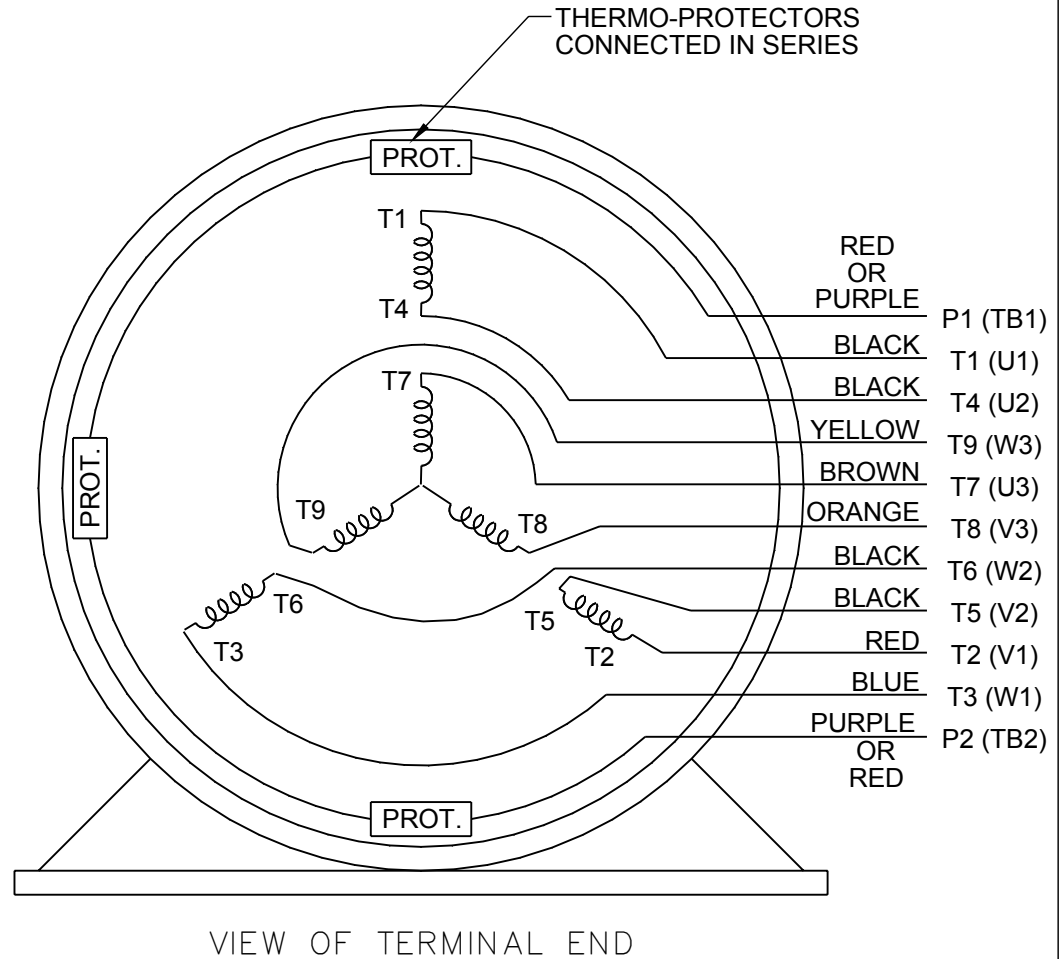
**NOTE FOR FACTORY USE ONLY:
 TO SURGE TEST FOR COMMON CONNECT:
 HIGH VOLT: CONNECT P1 TO T1
 THEN P2 TO L1
 LOW VOLT: CONNECT P1 TO T1 & T7,
 THEN P2 TO L1**

LOW VOLTAGE



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

THREE PHASE DUAL VOLTAGE MOTOR



DRAWING REVISION R	REVISION BY AJW	DATE 07-17-2015		DRAWN BY SMC	Regal Beloit America, Inc.
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015		DATE 05-13-1992	
ECO DESCRIPTION REV'D IEC NOTATIONS PER IEC 60034-8				APPROVED BY TB	DESCRIPTION CONN DIAGRAM-INTERNAL
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			REFERENCE EE7308/EE7300	MATERIAL	PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7308T

NONE	P/N	NONE	
NONE	NONE		
NONE FT-LB	NONE V	NONE Hz	

DATE: 06/22/2017 07:12:17 AM
FORM 3531 REV.3 02/07/99
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