

# PRODUCT INFORMATION PACKET



Model No: 119287.00  
Catalog No: 119287.00  
0.50 HP Variable Speed Motor, 3 phase, 1800 RPM, 230/460 V, 56C Frame, TENV  
1000:1 Speed Ratio Motors



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The Regal logo is located in the bottom right corner. It features the word "REGAL" in a white, sans-serif font, set against a dark grey, trapezoidal background. The background of the entire page on the right side is a blue gradient with a halftone dot pattern.



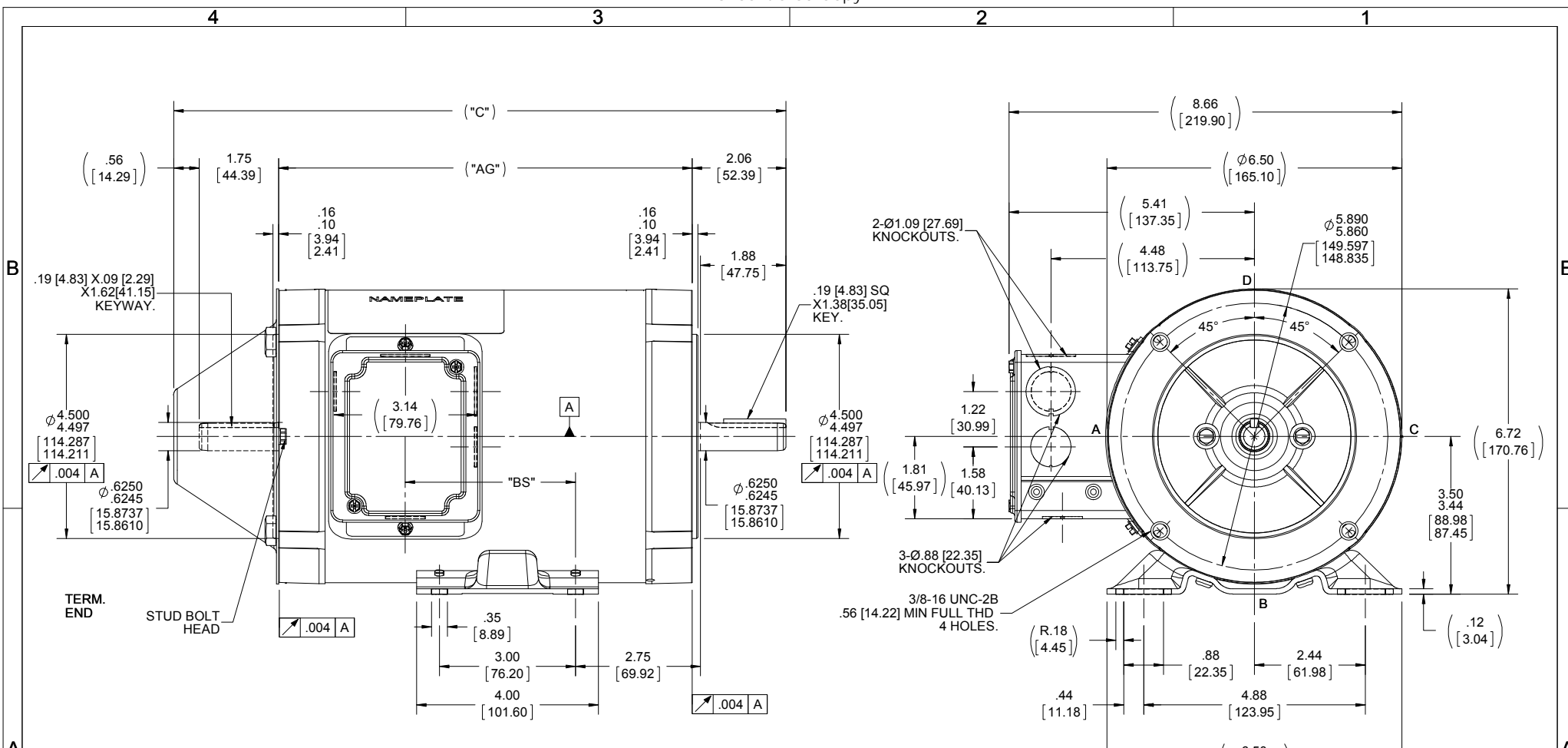
**Nameplate Specifications**

Output HP	<b>0.50 Hp</b>	Output KW	<b>0.37 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>1.6/0.80 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1</b>	Phase	<b>3</b>
Efficiency	<b>80 %</b>	Power Factor	<b>72</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>INV</b>	KVA Code	<b>L</b>
Frame	<b>56C</b>	Enclosure	<b>Totally Enclosed Non Ventilated</b>
Thermal Protection	<b>No</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6203</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</b>

**Technical Specifications**

Electrical Type	<b>Squirrel Cage Inverter Duty</b>	Starting Method	<b>Inverter Only</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>36.2 Ohms</b>	Mounting	<b>Rigid base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>NEMA 56</b>	Overall Length	<b>13.48 in</b>
Frame Length	<b>7.16 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>2.06 in</b>	Assembly/Box Mounting	<b>F1 Only</b>

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DASH	"C"	"AG"	"BS"
606	12.48 [316.99]	8.11 [205.99]	2.75 [69.85]
656	12.98 [329.69]	8.61 [218.69]	3.25 [82.55]
706	13.48 [342.39]	9.11 [231.39]	3.75 [95.25]
756	13.98 [355.09]	9.61 [244.09]	4.25 [107.95]
806	14.48 [367.79]	10.11 [256.79]	4.75 [120.65]
856	14.98 [380.49]	10.61 [269.49]	5.25 [133.35]

NOTES:-  
 1) REMOVABLE BASE.  
 2) CONDUIT BOX CAN BE ROTATED 180°  
 3) "C" FACE MOUNTING PATTERN TYPICAL BOTH ENDS.  
 4) NAMEPLATE READ FROM "C" BOX SIDE.

DRAWING REVISION J	REVISION BY A.SUPPANAVAR	DATE 07/06/2018
ECO ECO-0162621	APPROVED BY D SURYAWANSHI	DATE 02/28/2019
ECO DESCRIPTION OUTLINE CONVERSION PROJECT		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
.X	+0.1	[+2.5]
.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 SHOWN IN [BRACKETS]		

DRAWN BY CEB	DATE 08-16-1995
APPROVED BY EAB	DATE 08-21-1995
REFERENCE 104043	THIRD ANGLE PROJECTION

**REGAL**™ Regal Beloit America, Inc.

DESCRIPTION  
**OUTLINE**  
56 FR.-TENV-BB-DBL."C" FACE

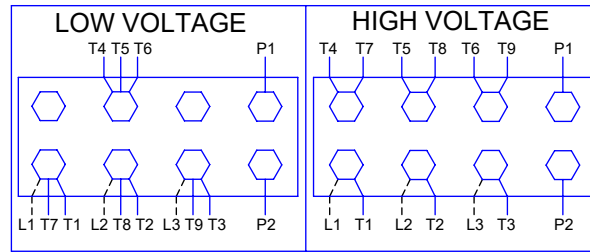
MATERIAL  
PROCESS/FINISH

SIZE  
**B**

DRAWING NUMBER  
**104043**

SHEET  
1 OF 1

**HIGH VOLTAGE**



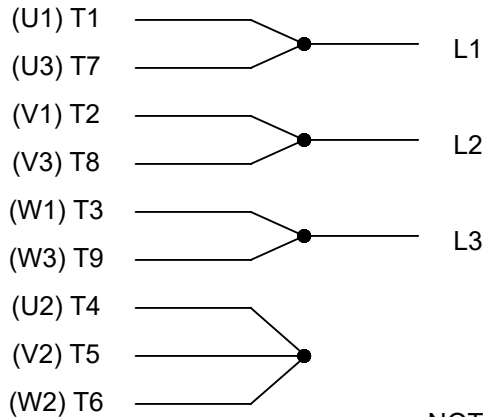
**THREE PHASE  
DUAL VOLTAGE MOTOR**

THERMO-PROTECTORS  
CONNECTED IN SERIES



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		DRAWN BY SMC	Regal Beloit America, Inc.
ECO ECO-0159915	APPROVED BY DR	DATE 01-15-2019		DATE 05-13-1992	
ECO DESCRIPTION <b>ADDED TERMINAL CONNECTION DIAGRAM</b>				APPROVED BY TB	DESCRIPTION <b>CONN DIAGRAM-INTERNAL</b> 3 PHASE - DUAL VOLTAGE MOTOR
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			REFERENCE EE7308/EE7300	THIRD ANGLE PROJECTION	SIZE A