

# PRODUCT INFORMATION PACKET



Model No: 122241.00  
Catalog No: 122241.00  
Brake Motor, 2 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 145TC Frame, DP

**Operational at 208-230/460 V @60HZ**



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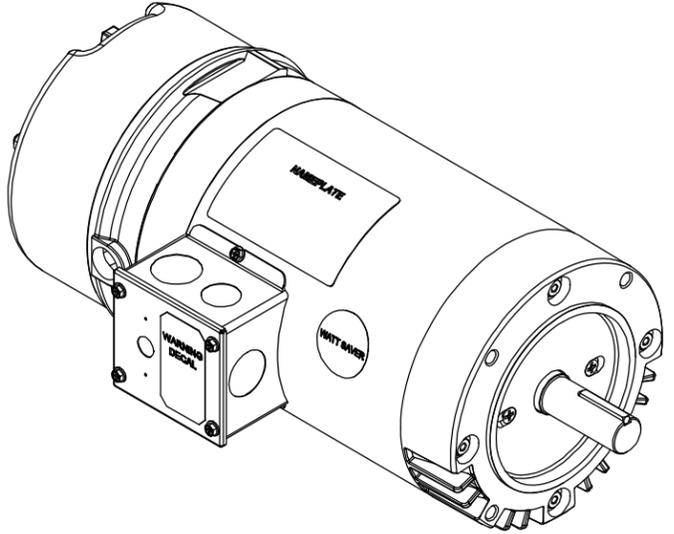
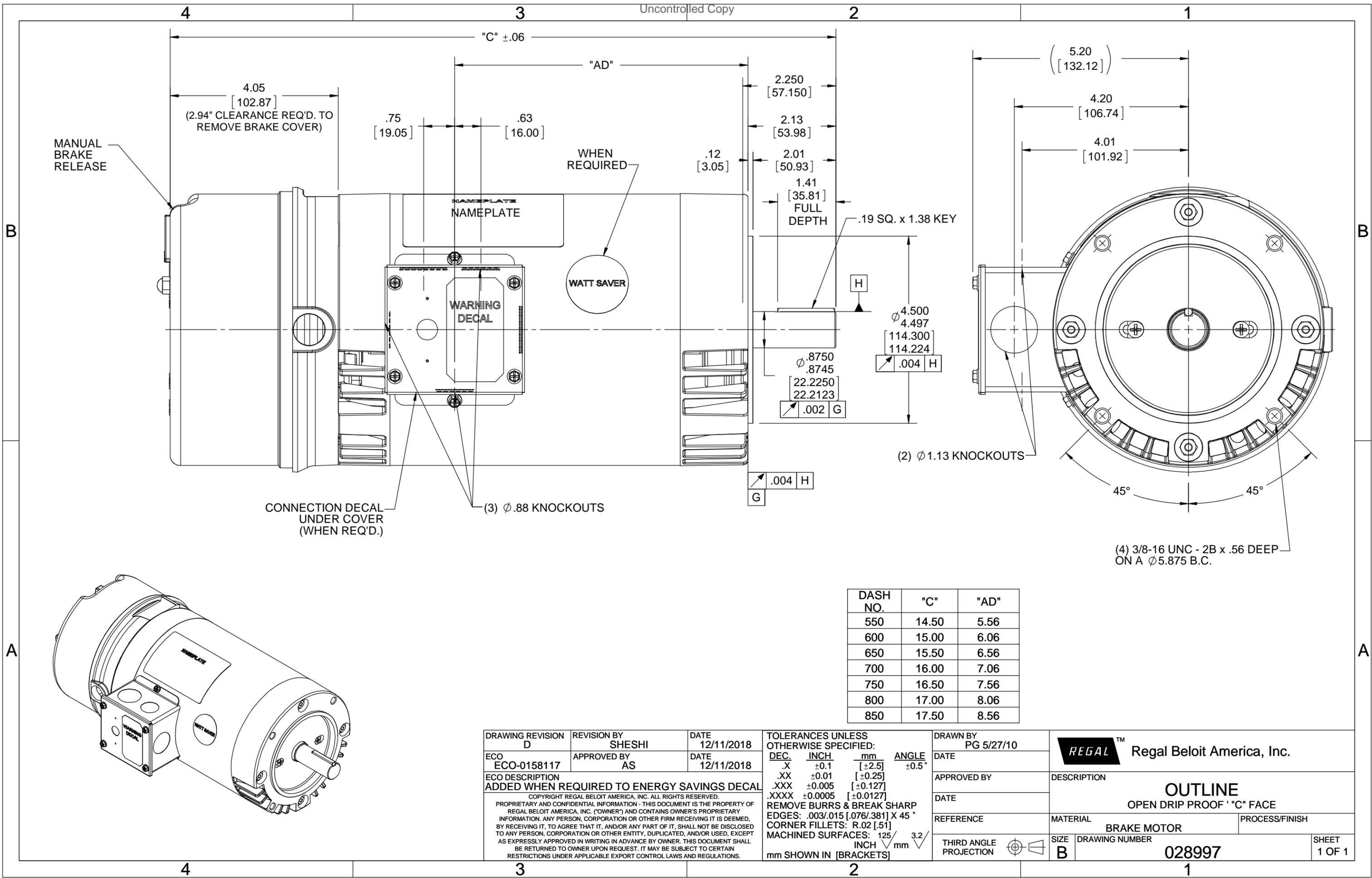
### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>2 Hp</b>
Output KW	<b>1.5 kW</b>	Voltage	<b>230/460 V</b>
Speed	<b>1745 rpm</b>	Service Factor	<b>1.15</b>
Frame	<b>145TC</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>86.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 Hz</b>
Current	<b>5.8/3.2 A</b>	Power Factor	<b>75.6</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>L</b>
Drive End Bearing Size	<b>6205</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>N</b>	IP Code	<b>22</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>1.5 Ohms</b>	Mounting	<b>Round</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>T</b>	Overall Length	<b>17.50 in</b>
Frame Length	<b>8.50 in</b>	Shaft Diameter	<b>0.875 in</b>
Shaft Extension	<b>2 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Outline Drawing	<b>028997-850</b>	Connection Drawing	<b>005010.15</b>

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DASH NO.	"C"	"AD"
550	14.50	5.56
600	15.00	6.06
650	15.50	6.56
700	16.00	7.06
750	16.50	7.56
800	17.00	8.06
850	17.50	8.56

DRAWING REVISION D  
 ECO ECO-0158117  
 ECO DESCRIPTION  
 ADDED WHEN REQUIRED TO ENERGY SAVINGS DECAL  
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TOLERANCES UNLESS OTHERWISE SPECIFIED:  
 DEC. INCH mm ANGLE  
 .X ±0.1 [±2.5] ±0.5°  
 .XX ±0.01 [±0.25]  
 .XXX ±0.005 [±0.127]  
 .XXXX ±0.0005 [±0.0127]  
 REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°  
 CORNER FILLETS: R.02 [.51]  
 MACHINED SURFACES: 125 3.2 INCH mm  
 mm SHOWN IN [BRACKETS]

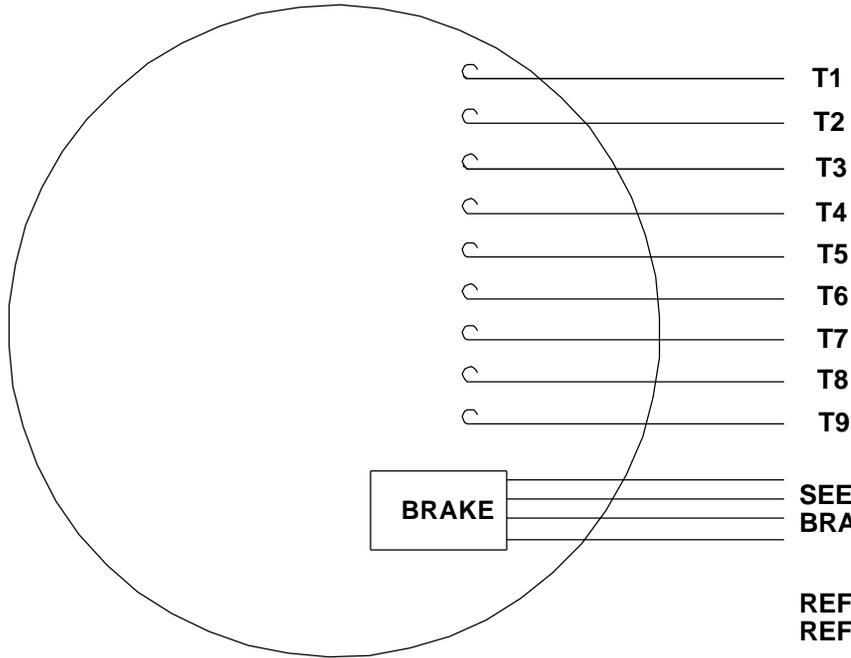
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 DATE  
 REFERENCE  
 THIRD ANGLE PROJECTION

**REGAL**™ Regal Beloit America, Inc.

DESCRIPTION  
**OUTLINE**  
 OPEN DRIP PROOF "C" FACE

MATERIAL BRAKE MOTOR PROCESS/FINISH  
 SIZE DRAWING NUMBER SHEET  
**B** 028997 1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

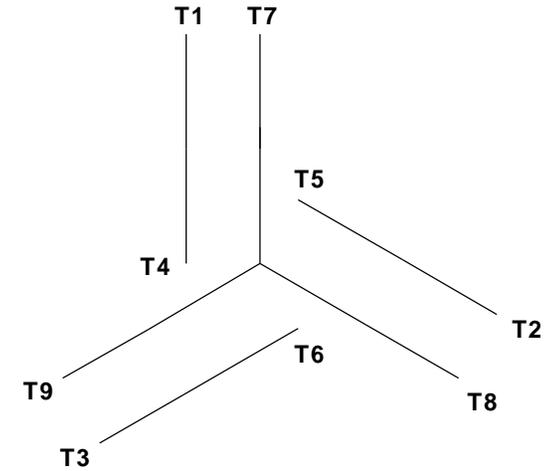


**CAUTION:**  
LEAD WIRE INSULATION TO EXTEND  
MINIMUM OF 1/4" INTO CONNECTOR  
INSULATION

SEE TABLE FOR  
 BRAKE CONNECTIONS

REF. DECAL (MOTOR) - 004014  
 REF. DECAL (BRAKE) - 080034 (STEARNS & DINGS BRAKE)

**LINE LEADS**



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4, T7) (T5, T8) (T6, T9)
LOW	T1, T7	T2, T8	T3, T9	T4, T5, T6

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**TYPE "T" W/O PROTECTOR**

VOLTAGE	STEARNS BRAKE			DINGS BRAKE		
	L1	L2	Join	L1	L2	Join
HIGH	1(RE D)	2(RE D)	3(BLACK) 4(BLACK)	2(BLACK)	4(YELLOW)	1(YELLOW) 3(BLACK)
LOW	1(RE D) 3(BLACK)	2(RE D) 4(BLACK)	-----	2(BLACK) 3(BLACK)	1(YELLOW) 4(YELLOW)	-----

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN JJK 09/17/96	
				DEC	INCHES		CHK	
				.X	±.1	APPR		
				.XX	±.01	SCALE 1:1		
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11	.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM STANDARD 3 PHASE - DUAL VOLTAGE		REF 005010-01	
01	ADDED DINGS AND BRAKE TABLE (PER CN114156)	TMZ 11/12/96	.XXXX	±.0005	MAT'L W/STEARNS OR DINGS DUAL VOLTAGE BRAKE CONN.		FMF	
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH LEESON STOCK		PAGE OF
THIRD ANGLE PROJECTION				RFP	PREV	SIZE	DRAWING NO	REV
				NETWORK FILE NAME 00501015		A	005010-15	--

