

# PRODUCT INFORMATION PACKET



Model No: 119561.00  
Catalog No: 119561.00  
Brake Motor, 1 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 56 Frame, TEFC

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



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### Nameplate Specifications

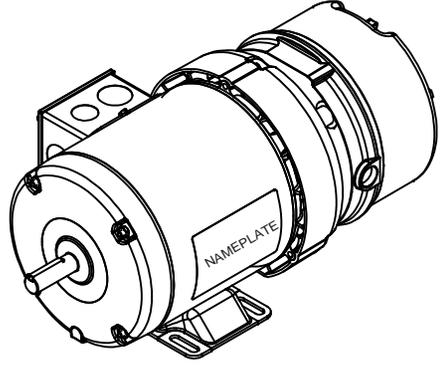
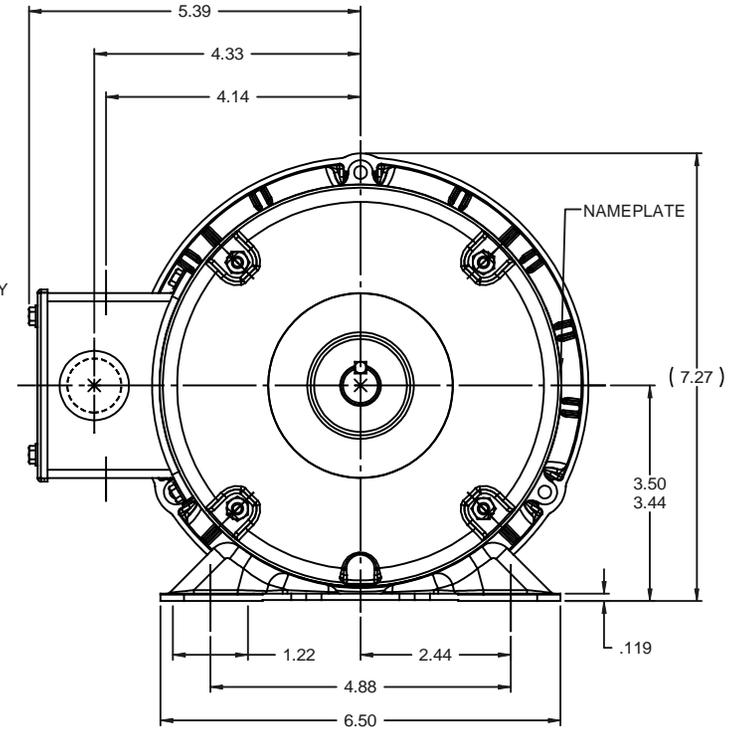
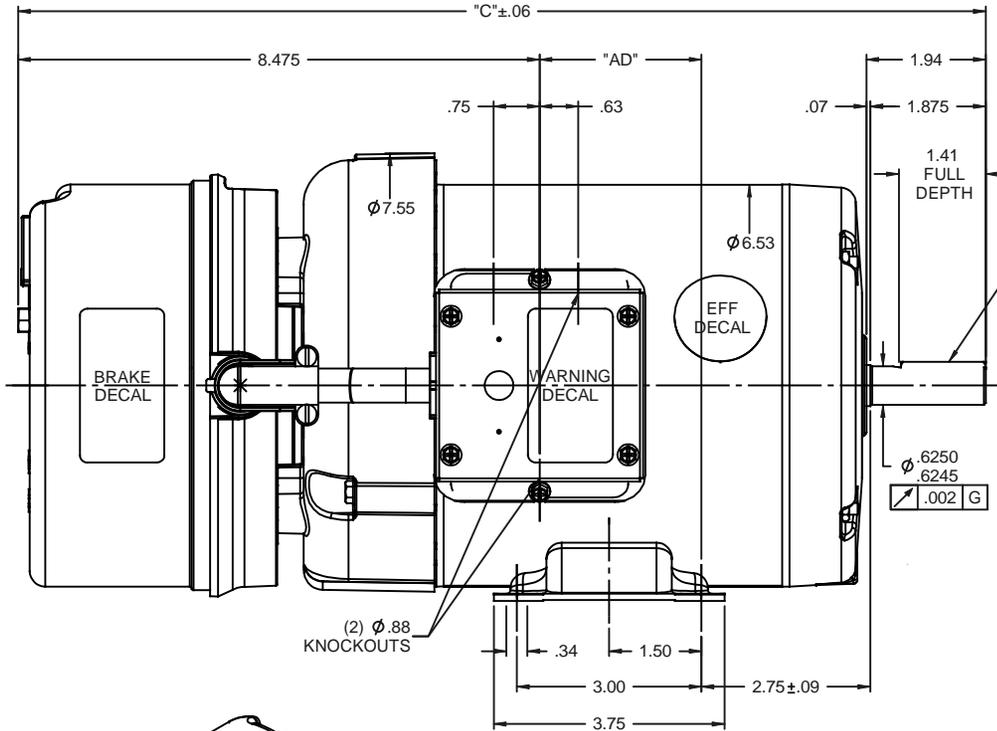
Phase	<b>3</b>	Output HP	<b>1 Hp</b>
Output KW	<b>0.75 kW</b>	Voltage	<b>230/460 V</b>
Speed	<b>1760 rpm</b>	Service Factor	<b>1.15</b>
Frame	<b>56</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>85.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 Hz</b>
Current	<b>3.2/1.6 A</b>	Power Factor	<b>68.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>B</b>	KVA Code	<b>N</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>
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>12.96 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>17.23 in</b>
Frame Length	<b>7.00 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>1.88 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Outline Drawing	<b>028936-700</b>	Connection Drawing	<b>005010.51</b>

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DASH NO.	"C"	"AD"
500	15.23	2.13
550	15.73	2.63
600	16.23	3.13
650	16.73	3.63
700	17.23	4.13

NOTE:  
 1) GASKETS THROUGHOUT

REVISION		BY & DATE	CHK ANG ±1/2°	FINISH	PAGE OF	
THIRD ANGLE PROJECTION		RFP 12/19/08	PREV	SIZE	DRAWING NO	REV
			NETWORK FILE NAME	B	028936	

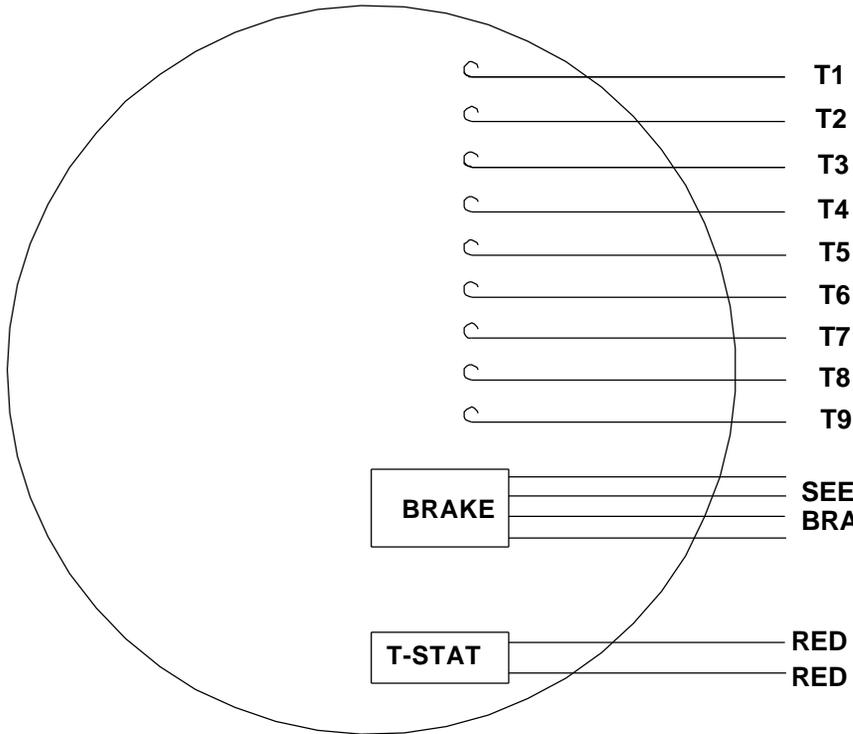


**ELECTRIC MOTORS  
 GEARMOTORS  
 AND DRIVES**

DRAWN	GRB 12/19/08
CHK	DJ 12/19/08
APPR	DJ 12/19/08
SCALE	1:2
REF	028530
FMF	114146.00

TITLE OUTLINE - 56 FRAME  
 T.E.F.C. - RIGID  
 MATL BRAKEMOTOR

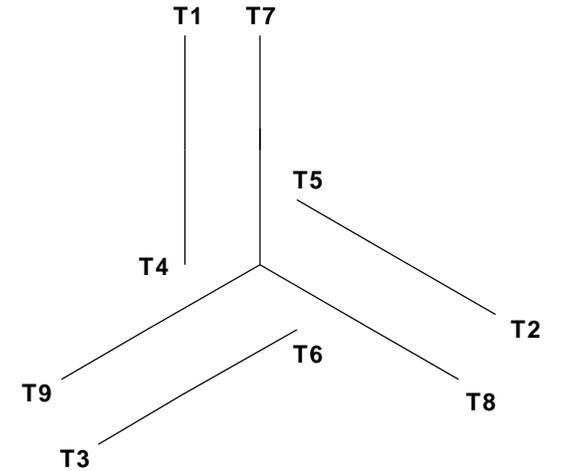
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

SEE TABLE FOR  
BRAKE CONNECTIONS

**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

REF. DECAL (MOTOR) - 004014  
 REF. DECAL (BRAKE) - 080035 (STEARNS & DINGS BRAKE)  
 TYPE "T" W/O PROTECTOR

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BRAKE CONNECTION						
VOLTAGE	STEARNS BRAKE			DINGS BRAKE		
	L1	L2	JOIN	L1	L2	JOIN
HIGH	1(RED)	2(RED)	3(BLACK) 4(BLACK)	2(BLACK)	4(YELLOW)	1(YELLOW) 3(BLACK)
LOW	1(RED) 3(BLACK)	2(RED) 4(BLACK)	-----	2(BLACK) 3(BLACK)	1(YELLOW) 4(YELLOW)	-----

				TOLERANCES UNLESS SPECIFIED				DRAWN VJB 09/24/13		
				DEC	INCHES			CHK		
				.X	±.1			APPR		
				.XX	±.01			SCALE 1:1		
				.XXX	±.005			REF 005010.15		
				.XXXX	±.0005	MAT'L W/STEARNS OR DING DUAL VOLTAGE BRAKE CONN.		FMF 117992.00		
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH W/T-STATS		PAGE OF		
THIRD ANGLE PROJECTION			RFP	PREV			SIZE	DRAWING NO		REV
				NETWORK FILE NAME 00501051			A	005010-51		



**1051 CHEYENNE AVE.  
GRAFTON, WI 53024  
PH. 262-377-8810**

CATALOG #: 119561.00

CONN. DIAGRAM: 005010.51

OUTLINE: 028936-700

MOUNTING: F1 ONLY

WINDING #: T634342 FR 3 Q

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	1800	1760	56	TEFC	N	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	3.2/1.6	ACROSS THE LINE	CONTINUOUS	B4	1.15	40

FULL LOAD EFF:	85.5	3/4 LOAD EFF:	85.4	1/2 LOAD EFF:	79.6	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	68.5	3/4 LOAD PF:	61.5	1/2 LOAD PF:	51.5	0		SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	28 / 14	12 LB-FT 0 %	15.8 LB-FT 0 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.12 LB-FT^2	0.1 LB-FT^2	10 SEC.	0	0 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	BRAKE	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

\*  
N  
O  
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E  
S

<b>INVERTER TORQUE:</b> NONE
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE NONE NONE NONE NONE PPR
<b>BRAKE:</b> REGAL SUPPLIED AND MOUNT NONE
STEARNS P/N 004225.23 56,000 NEMA 2 6 FT-LB 230/460 V 60 Hz



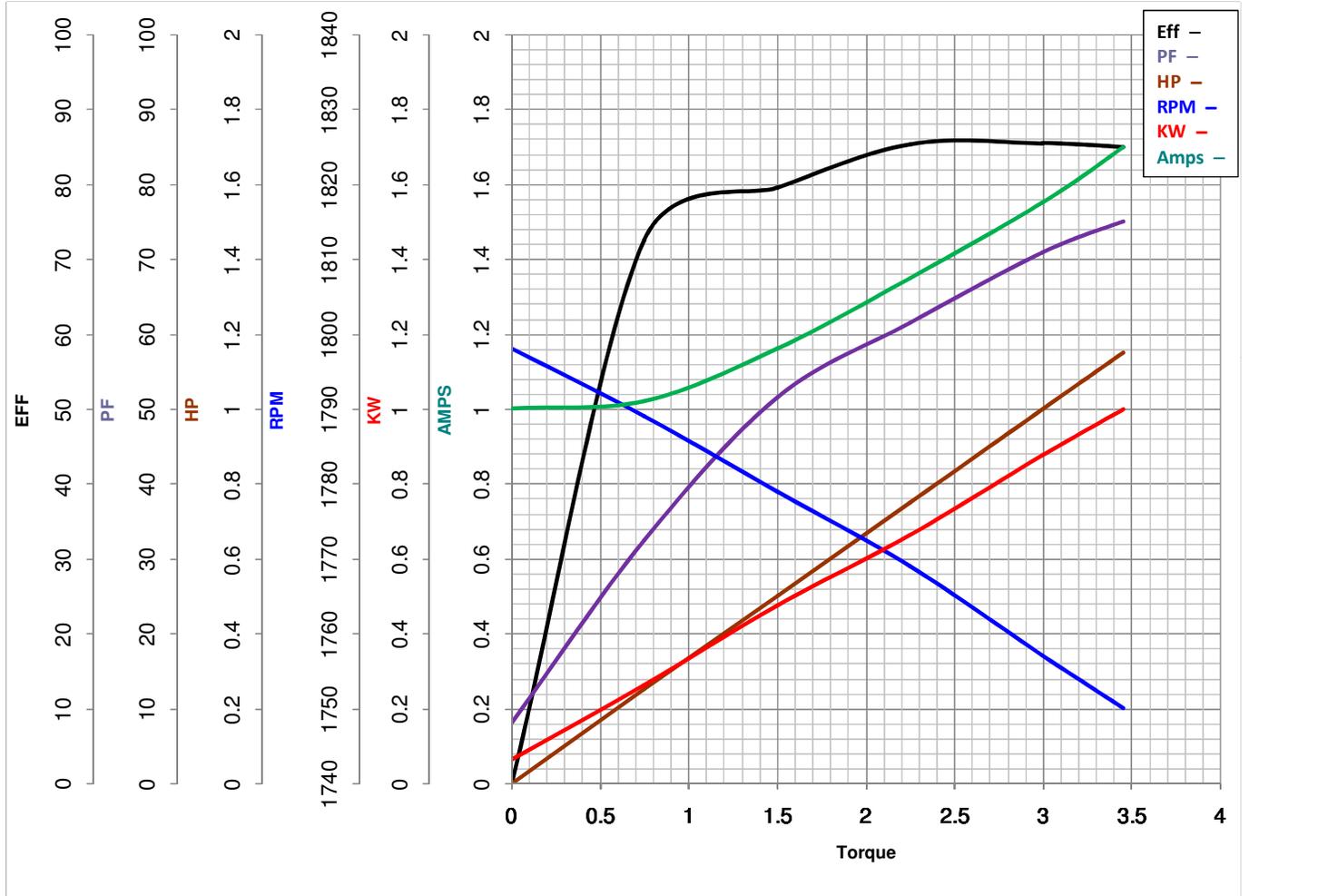
**LEESON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 119561.00

Curve at 460 Volts      HP 1.00      PHASE 3  
60 HZ  
1 HP      VOLTS 230/460

Catalog No 119561.00

HZ 60      RPM 1760



Torque in Lb.Ft

FL TORQUE 3 Lb.Ft  
BD TORQUE 15.8 Lb.Ft  
LR TORQUE 12 Lb.Ft

FL AMPS 3.2/1.6  
PU TORQUE 11.9 Lb.Ft  
LR AMPS 14

WINDING T634342-3

Date 5/28/2018

## EC Declaration of Conformity

The undersigned representing  
the manufacturer:

Regal Beloit America  
1946 West Cook Road  
Fort Wayne, IN 46818

and the authorized representative  
established within the Community:

Regal Beloit Italy  
Via Modena, 18  
24040 Ciserano(BG) - Italy

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 119561.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 119561.00

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Zach Stauffer  
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi  
Technology Director, Engineering

Created on 07/08/2025

**CE 25**