

# PRODUCT INFORMATION PACKET



Model No: 122193.00

Catalog No: 122193.00

White Duck™ Brake Motor, 1 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 143TC Frame, TENV

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



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**Nameplate Specifications**

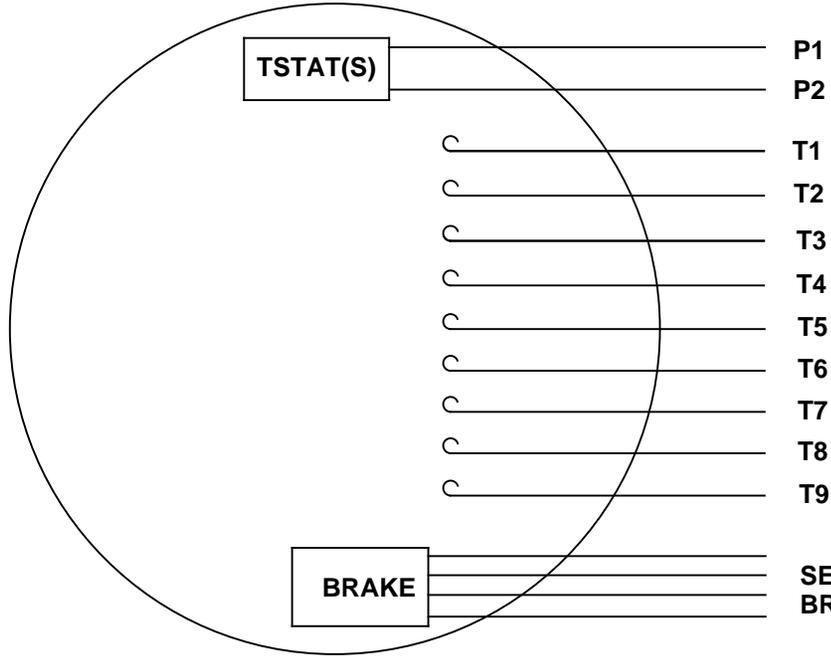
Phase	<b>3</b>	Output HP	<b>1 Hp</b>
Output KW	<b>0.75 kW</b>	Voltage	<b>230/460 V</b>
Speed	<b>1750 rpm</b>	Service Factor	<b>1.15</b>
Frame	<b>143TC</b>	Enclosure	<b>Totally Enclosed Non Ventilated</b>
Thermal Protection	<b>Thermostat</b>	Efficiency	<b>85.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 Hz</b>
Current	<b>2.8/1.4 A</b>	Power Factor	<b>77.7</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>Y</b>	IP Code	<b>55</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>0 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>T</b>	Overall Length	<b>17.02 in</b>
Frame Length	<b>8.00 in</b>	Shaft Diameter	<b>0.875 in</b>
Shaft Extension	<b>2.25 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Connection Drawing	<b>005010.28</b>	Outline Drawing	<b>029004-800</b>



VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

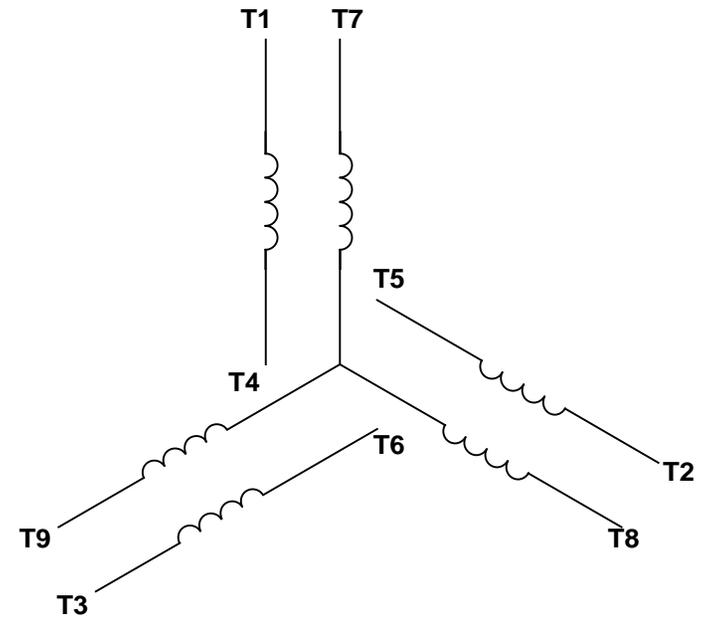


P1  
P2  
T1  
T2  
T3  
T4  
T5  
T6  
T7  
T8  
T9

**BRAKE**

**SEE TABLE FOR  
BRAKE CONNECTIONS**

**LINE LEADS**



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BRAKE CONNECTION						
VOLTAGE	STERNS 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)	-----

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

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RDW 09/14/99		
				DEC	INCHES		CHK		
				.X	±.1		APPR		
				.XX	±.01		SCALE	1:1	
				.XXX	±.005		REF	005010-15	
--	REDRAWN IN SOLIDWORKS	VJB	02/08/11	.XXXX	±.0005	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR		FMF	
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	MAT'L DECAL - 004014 DECAL - 080088		PAGE OF	
				RFP	PREV	SIZE	DRAWING NO		
THIRD ANGLE PROJECTION				NETWORK FILE NAME		A	005010-28		
								REV	
								--	



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

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** 005010.28

**CATALOG #:** 122193.00

**OUTLINE:** 029004-800

**MOUNTING:** F1 ONLY

**WINDING #:** T634471 NR 3 B

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	1800	1750	143TC	TENV	L	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	208-230/460	2.8/1.4	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	85.5	3/4 LOAD EFF:	86.9	1/2 LOAD EFF:	85.1	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	77.7	3/4 LOAD PF:	70.3	1/2 LOAD PF:	57.9	0		SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
48.04 OZ-FT	24.9 / 12.4	166 OZ-FT 346 %	206 OZ-FT 429 %	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 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	WHITE - LEESON (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

\*  
N  
O  
T  
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 004225.80
56,000 NEMA 4
6 FT-LB 230/460 V 60 Hz



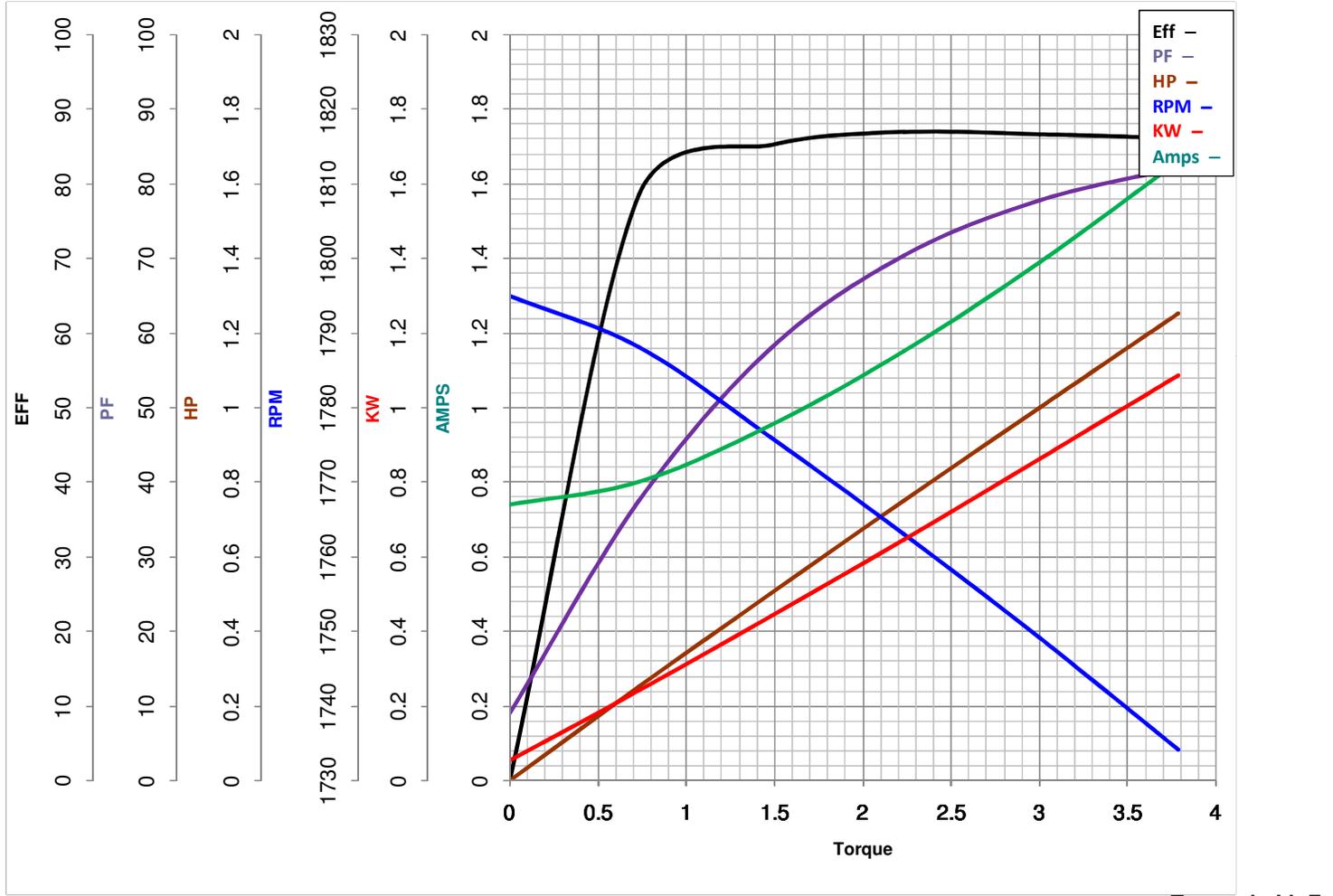
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 122193.00

Curve at 460 Volts      HP 1.00      PHASE 3  
60 HZ  
1 HP      VOLTS 208-230/460

Catalog No 122193.00

HZ 60      RPM 1750



Torque in Lb.Ft

FL TORQUE 3.003 Lb.Ft  
 BD TORQUE 12.9 Lb.Ft  
 LR TORQUE 10.38 Lb.Ft

FL AMPS 2.8/1.4  
 PU TORQUE 11.4 Lb.Ft  
 LR AMPS 12.43

WINDING T634471-3

Date 6/5/2018

## EC Declaration of Conformity

The undersigned representing  
the manufacturer:

Regal Beloit America  
100 East Randolph St.  
Wausau, WI 54401

and the authorized representative  
established within the Community:

Marathon Electric UK  
6F Thistleton Road Ind. Estate  
Market Overton  
Oakham, Rutland LE15 7PP UK

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 : 122193.00

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

Catalog No : 122193.00

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:



Michael A. Logsdon  
Vice President, Technology

Authorized Representative in the Community:



Julian Clark  
Marketing Engineer

Created on 09/01/2022

**CE 22**