

PRODUCT INFORMATION PACKET



Model No: 119486.00

Catalog No: 119486.00

White Duck™ Brake Motor, 1 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 56HC Frame, TENV

Operational at 208-230/460 V @60HZ



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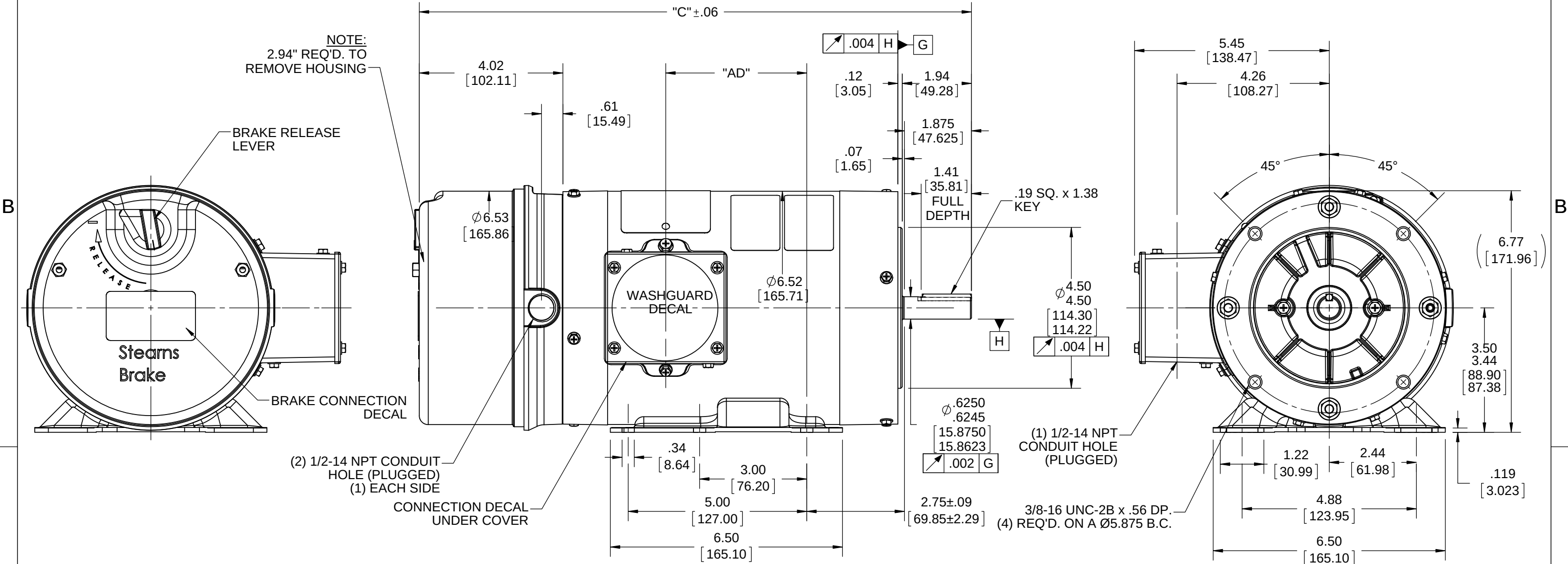


Nameplate Specifications

Phase	3	Output HP	1 Hp
Output KW	0.75 kW	Voltage	230/460 V
Speed	1750 rpm	Service Factor	1.15
Frame	56HC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostat	Efficiency	85.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	2.8/1.4 A	Power Factor	77.7
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	17.00 in
Frame Length	8.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.28	Outline Drawing	607-0147-800



WASHGUARD FEATURES:
1) SHAFT SEAL & V-RING
2) PLUGGED DRAIN HOLES IN ENDBELLS & CONDUIT BOX
3) STAINLESS STEEL SHAFT, HARDWARE, & NAMEPLATE
4) GASKETS THROUGHOUT

DASH NO.	"C"	"AD"
500	14.00	2.44
550	14.50	2.94
600	15.00	3.44
650	15.50	3.94
700	16.00	4.44
750	16.50	4.94
800	17.00	5.44

DRAWING REVISION D	REVISION BY JD	DATE 11/16/2016	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] .XX ±0.01 [±0.25] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DRAWN BY JD	REGAL™ Regal Beloit America, Inc.		
ECO ECO-0113152	APPROVED BY JD	DATE 11/16/2016	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 125 INCH 3.2 mm	DATE 11/15/2016			
ECO DESCRIPTION NEW DRAWING COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.			THIRD ANGLE PROJECTION	DATE 11/15/2016	DESCRIPTION OUTLINE TENV - RIGID "C" FACE - BRAKEMOTOR		
				REFERENCE 607-0144	MATERIAL	PROCESS/FINISH	
					SIZE B	DRAWING NUMBER 607-0147	SHEET 1 OF 1

The diagram illustrates the layout of a vehicle chassis, focusing on the location of the TSTAT(S) and BRAKE components. The TSTAT(S) component is positioned at the top left, and the BRAKE component is positioned at the bottom left. Both components are connected to a series of lines representing sensors or actuators. The TSTAT(S) component is connected to lines labeled P1, P2, T1, T2, T3, T4, T5, T6, T7, T8, and T9. The BRAKE component is connected to lines labeled SB and BF.

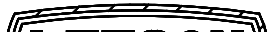
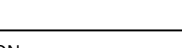
T1
T2
T3
T4
T5
T6
T7
T8
T9

**SEE TABLE FOR
BRAKE CONNECTIONS**

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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	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR	REF 005010-15		
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XXXX	±.0005	MAT'L DECAL - 004014 DECAL - 080088	FMF		
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH CAMFAB INC.	PAGE OF		
THIRD ANGLE PROJECTION 			RFP		PREV		SIZE	DRAWING NO	REV
			NETWORK FILE NAME 00501028				A	005010-28	--



CERTIFICATION DATA SHEET

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

CATALOG #: 119486.00

CONN. DIAGRAM: 005010.28

OUTLINE: 607-0147-800

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	56HC	TENV	L	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	208-230/460	3-2.8/1.4	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 %	-

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	STANDARD 56	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

INVERTER TORQUE: NONE

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: REGAL SUPPLIED AND MOUNT

NONE

STEARNS P/N 004225.80

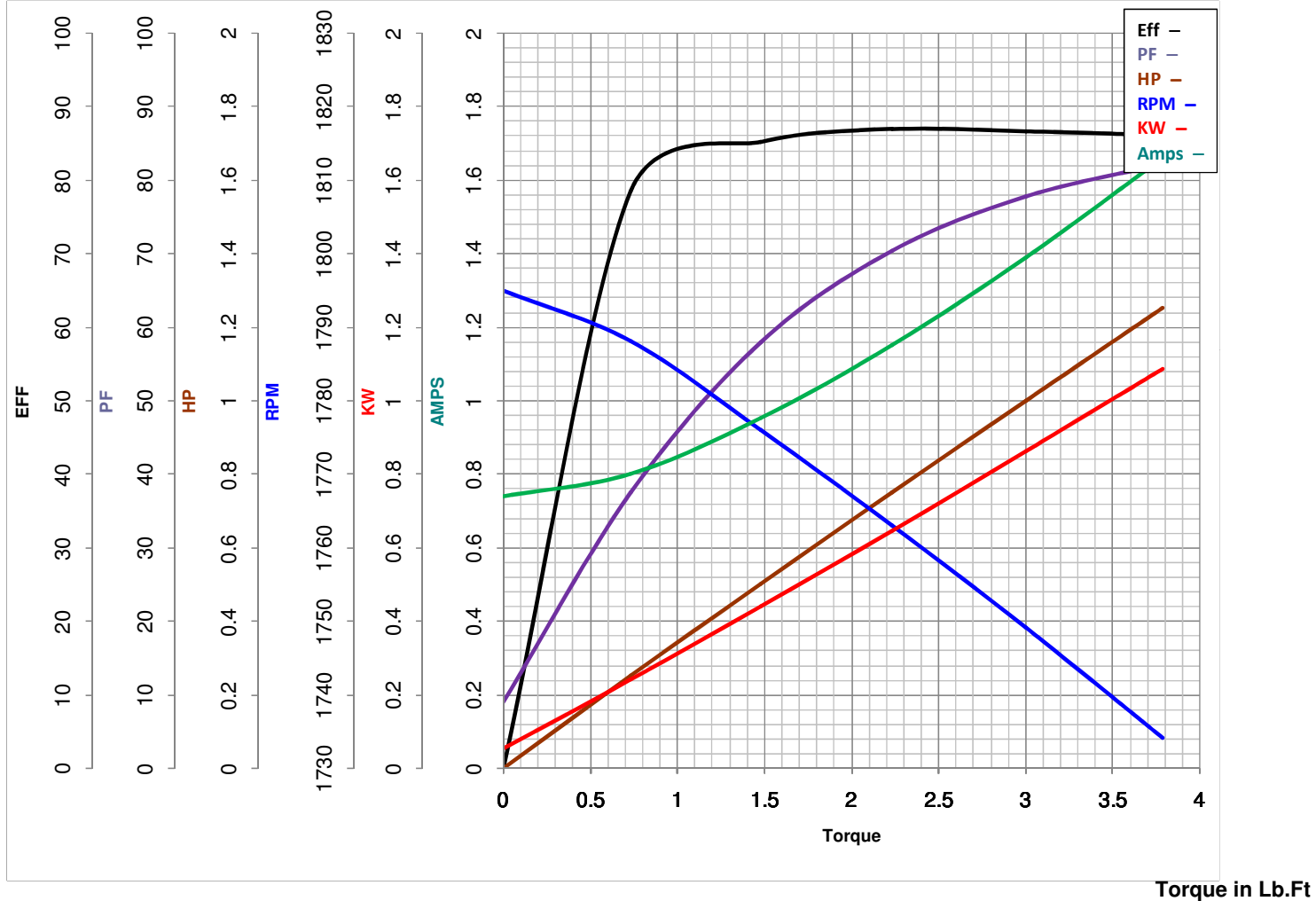
56,000 NEMA 4

6 FT-LB 230/460 V 60 Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 119486.00Curve at 460
60
1Volts
HZ
HPHP 1.00PHASE 3VOLTS 208-230/460Catalog No 119486.00HZ 60RPM 1750

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

FL AMPS 3-2.8/1.4
 PU TORQUE 11.4 Lb.Ft
 LR AMPS 12.43

WINDING T634471-3

Date 5/22/2018

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 : 119486.00

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

Catalog No : 119486.00

Rework No : N/A

Directives :

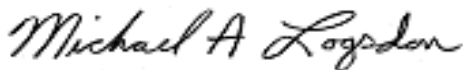
Low Voltage Directive 2014/35/EU

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