

PRODUCT INFORMATION PACKET



Model No: 103393.00

Catalog No: 103393.00

Premium Duck™ General Purpose Motor, 0.33 & 0.33 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1800 & 1500 RPM, 48C Frame, TENV

Operational at 208-230/460 V @60HZ



Regal and LEESON are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2025 Regal Rexnord Corporation, All Rights Reserved. MC017097E



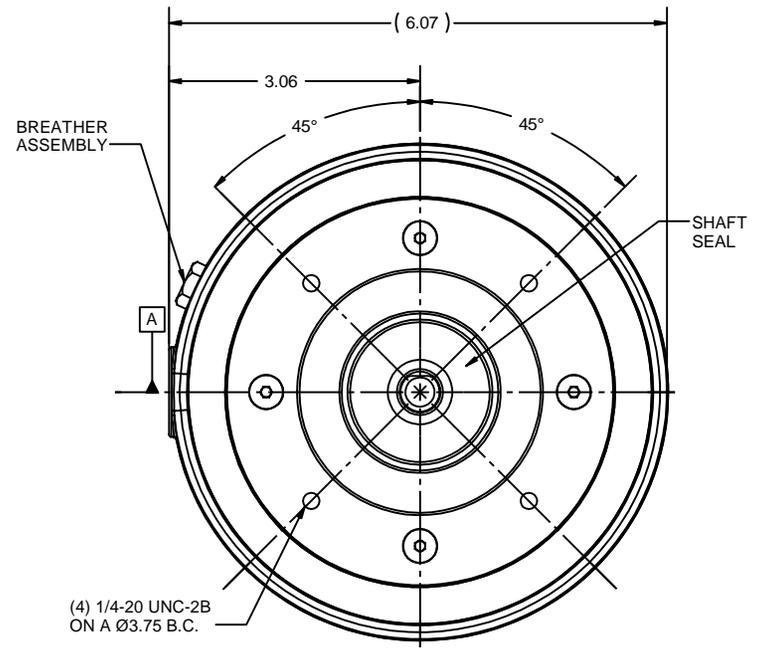
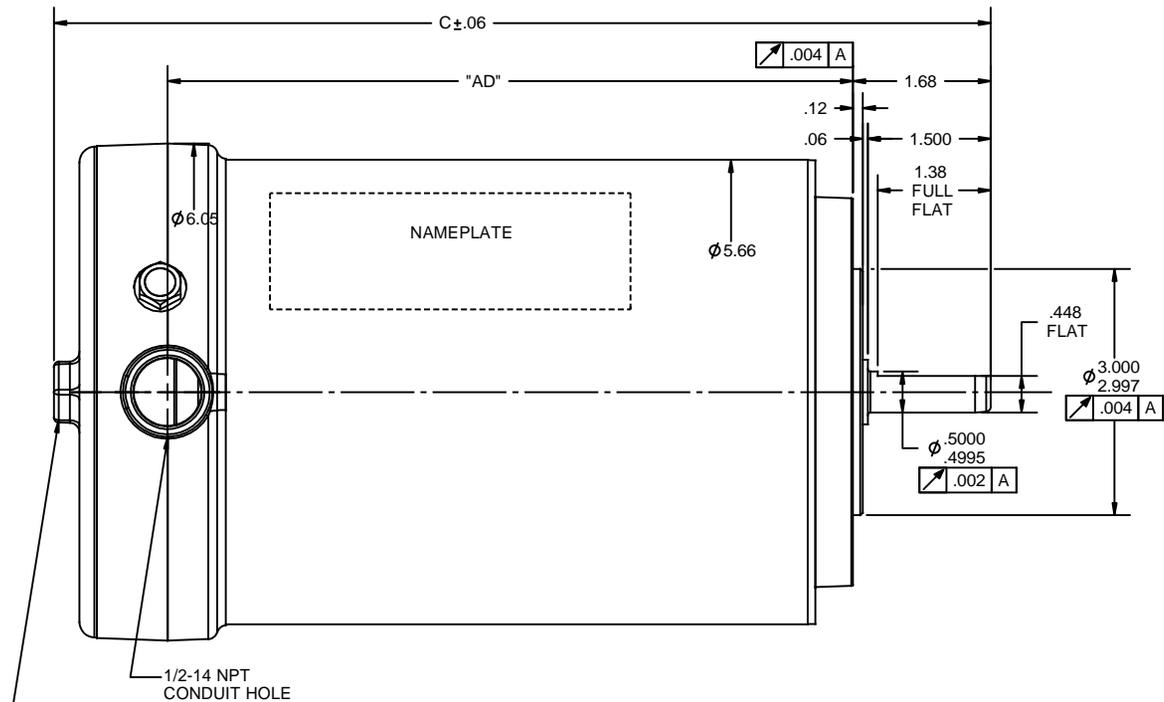


Nameplate Specifications

Phase	3	Output HP	0.33 & 0.33 Hp
Output KW	0.25 & 0.25 kW	Voltage	230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.15 & 1.15
Frame	48C	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Efficiency	70.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	1.3/.65 & 1.4/.7 A	Power Factor	68
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6204	Opp Drive End Bearing Size	6204
UL	Recognized	CSA	Y
CE	Y	IP Code	56
Number of Speeds	1		

Technical Specifications

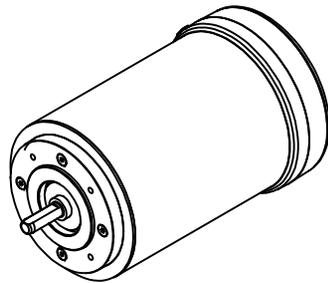
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	11 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	NEMA 48	Overall Length	9.83 in
Frame Length	5.50 in	Shaft Diameter	0.500 in
Shaft Extension	1.5 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	031981-550	Connection Drawing	005010-01



3/4" HEX DRIVER FOR COVER REMOVAL

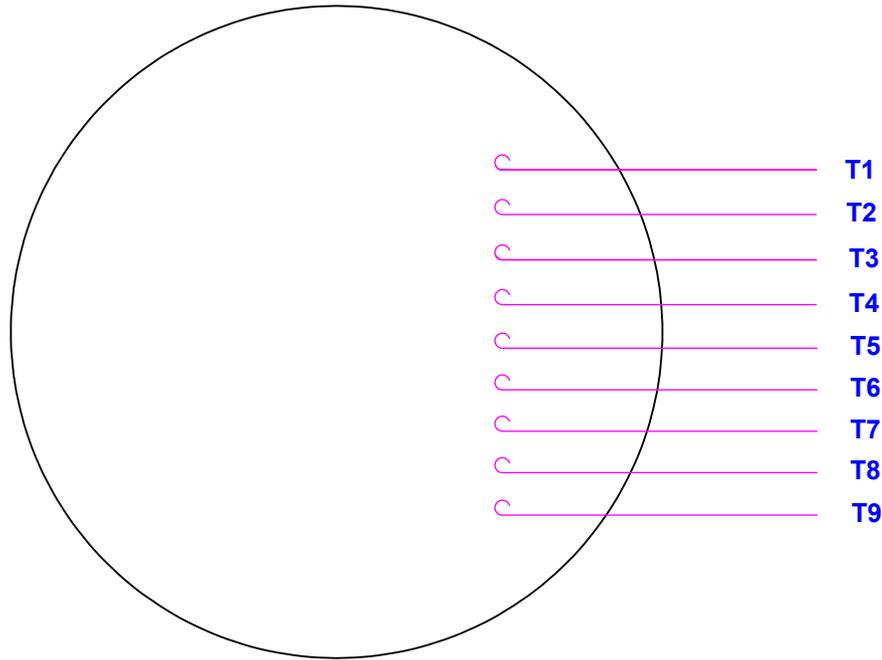
1/2-14 NPT CONDUIT HOLE

DASH NO.	"C"	"AD"
525	9.58	6.51
550	9.83	6.76
575	10.08	7.01
600	10.33	7.26
625	10.58	7.51
650	10.83	7.76
675	11.08	8.01
700	11.33	8.26
725	11.58	8.51
750	11.83	8.76

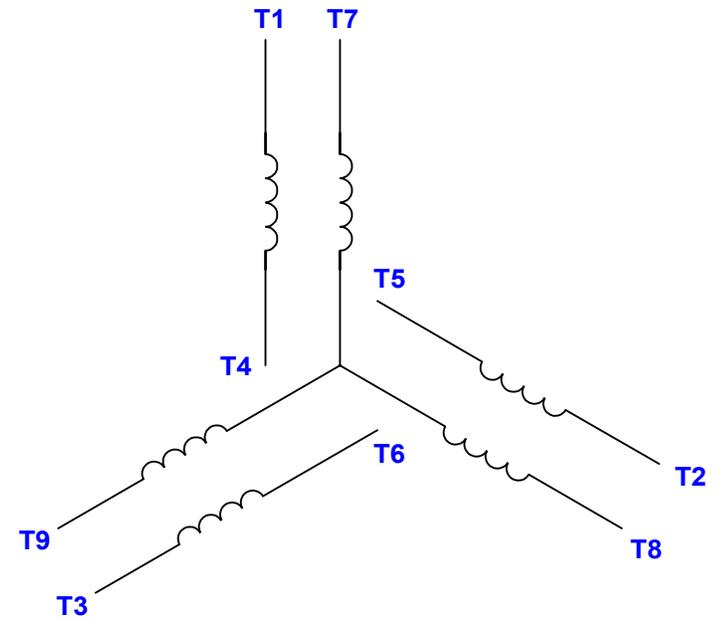


REVISION		BY & DATE	CHK	ANG	±1/2°	FINISH	SIZE	DRAWING NO	REV
05	REVERSED "C" AND "AD" COLUMNS IN TABLE	PG 9/22/2010		DEC	INCHES				
04	ADDED TABLE WAS MISSING FROM DWG ISAAC 10-3726	SAD 8/24/2010	GWS	x	±.1				
03	ADDED BREATHER ASSEMBLY	VV 3/13/2010	.xx		±.03	TITLE			
02	ADDED ITEM 725 AND 750	VV 3/2/2010	.xxx		±.005	ROUND - C-FACE			
01	OVERALL LENGTH WAS LETTER "B"	VV 2/18/2010	JJK	.xxx	±.0005	MATL			
TOLERANCES UNLESS SPECIFIED						ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN VV 12/25/09	
								CHK JJK 12/25/09	
								APPR	
								SCALE 1:4	
								REF 031730	
								FMF 103418.00	
								PAGE OF	
THIRD ANGLE PROJECTION						RFP		PREV	
						NETWORK FILE NAME 031981		SIZE B	
								DRAWING NO 031981	
								REV 05	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

RBC PROPRIETARY AND CONFIDENTIAL INFORMATION
 This document is the property of REGAL BELOIT CORPORATION ("RBC") including its subsidiaries and divisions and contains proprietary information of RBC. This document is loaned on the express condition that neither it nor the information contained therein shall be disclosed to others without the express written consent of RBC, and that the information shall be used by the recipient only as approved expressly by RBC. This document shall be returned to RBC upon its request. This document may be subject to certain restrictions under U.S. export control laws and regulations.

				TOLERANCES UNLESS SPECIFIED		DRAWN RDW 04/12/02	
				DEC	INCHES	CHK	
				.X	±.1	APPR	
12	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM	
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XXX	±.005	3 PHASE W/O PROTECTOR	
11	ADD REV TO MATCH ORACLE	KJH 06/08/09	MDN	.XXX	±.0005	MAT'L DECAL - 004014	
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	
			RFP	04/12/02	PREV	SIZE	DRAWING NO
THIRD ANGLE PROJECTION			NETWORK FILE NAME		00501001	A	005010-01
							REV
							12



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010-01

CATALOG #: 103393.00

OUTLINE: 031981-550

MOUNTING: F1 ONLY

WINDING #: T5548 3 C

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3&1/3	0.25&0.25	1800	1725&1425	48C	TENV	K	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	208-230/460&190/380	1.3-1.3/.65&1.4/.7	ACROSS THE LINE	CONTINUOUS	F4	1.15/1.15	40

FULL LOAD EFF:	70.5	3/4 LOAD EFF:	71.7	1/2 LOAD EFF:	65.9	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	68	3/4 LOAD PF:	59	1/2 LOAD PF:	46.6	0		SQ CAGE IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
16 OZ-FT	8.8 / 4.4	69.6 OZ-FT 435 %	79.6 OZ-FT 498 %	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.047 LB-FT^2	0 LB-FT^2	0 SEC.	0	- LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	NO PAINT

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)	STAINLESS STEEL
6204	6204						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	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: NONE NONE NONE P/N NONE NONE NONE FT-LB V NONE Hz



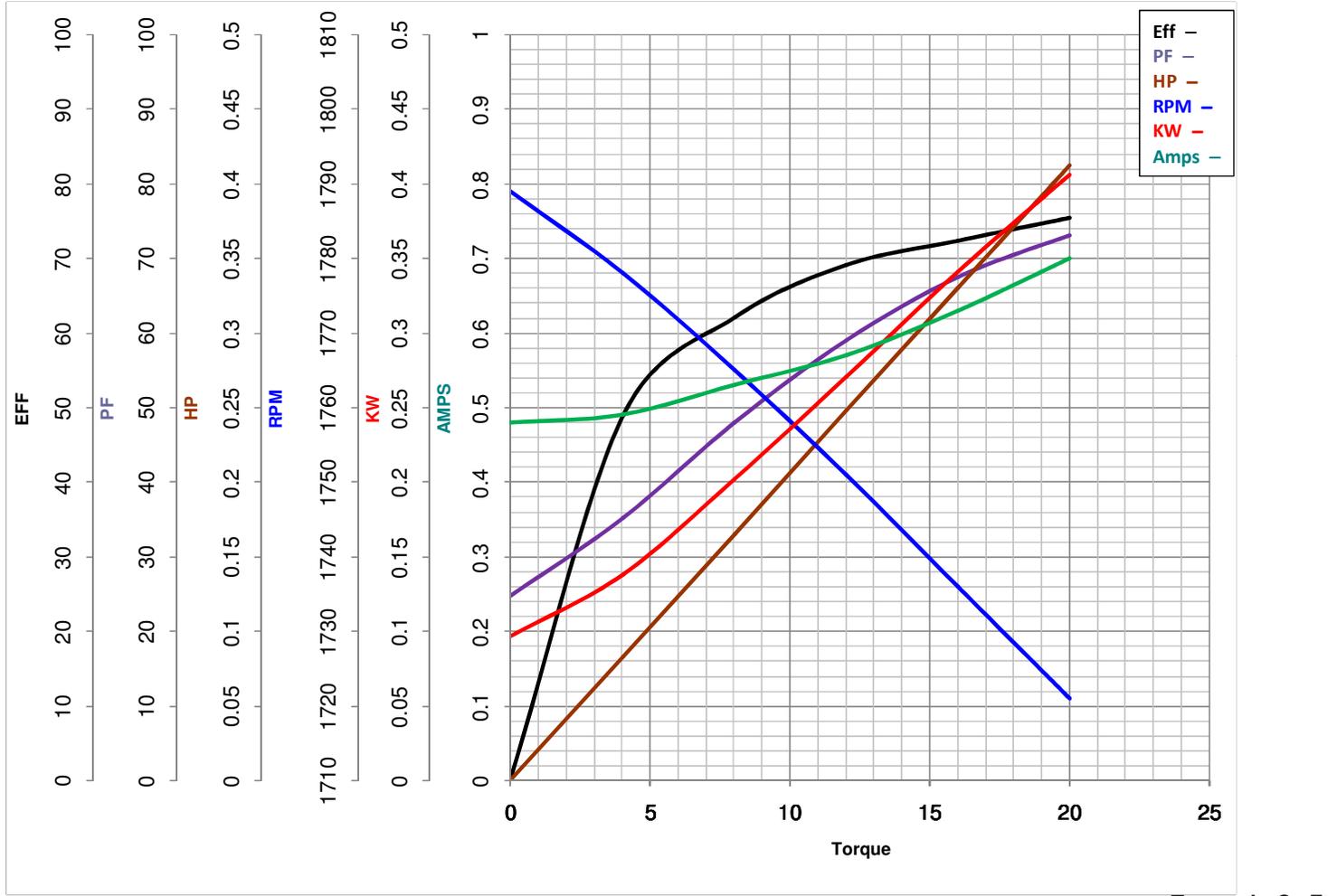
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 103393.00

Catalog No 103393.00

Curve at 460 Volts HP 0.33&0.33 PHASE 3
60 HZ
0.33 HP VOLTS 208-230/460&190/380

HZ 60&50 RPM 1725&1425



Torque in Oz.Ft

FL TORQUE 16 Oz.Ft
 BD TORQUE 79.6 Oz.Ft
 LR TORQUE 69.6 Oz.Ft

FL AMPS 1.3-1.3/.65
 PU TORQUE 68.7 Oz.Ft
 LR AMPS 4.4

WINDING T5548-3

Date 5/22/2018

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 : 103393.00

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

Catalog No : 103393.00

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