

PRODUCT INFORMATION PACKET



Model No: 103389.00

Catalog No: 103389.00

Premium Duck™ General Purpose Motor, 0.50 & 0.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1800 & 1500 RPM, S56C 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



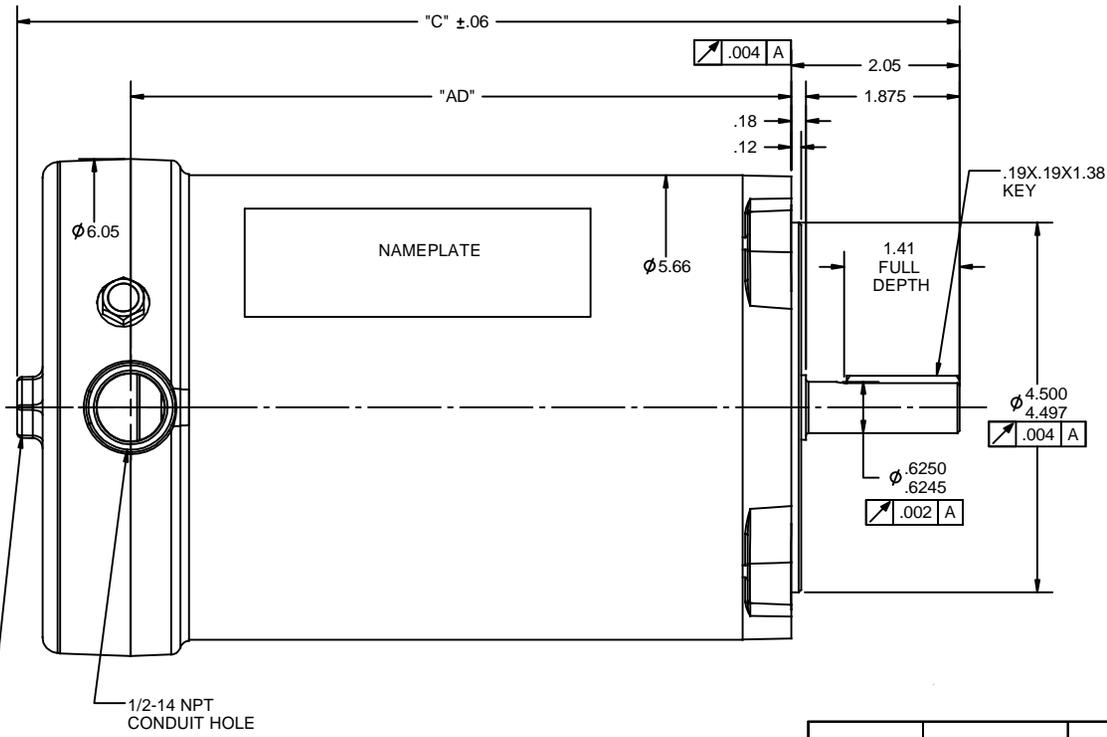


Nameplate Specifications

Phase	3	Output HP	0.50 & 0.50 Hp
Output KW	0.37 & 0.37 kW	Voltage	230/460 & 190/380 V
Speed	1725 & 1425 rpm	Service Factor	1.15 & 1.0
Frame	S56C	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Efficiency	76 & 78.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	1.8/0.9 & 1.9/0.95 A	Power Factor	74
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		

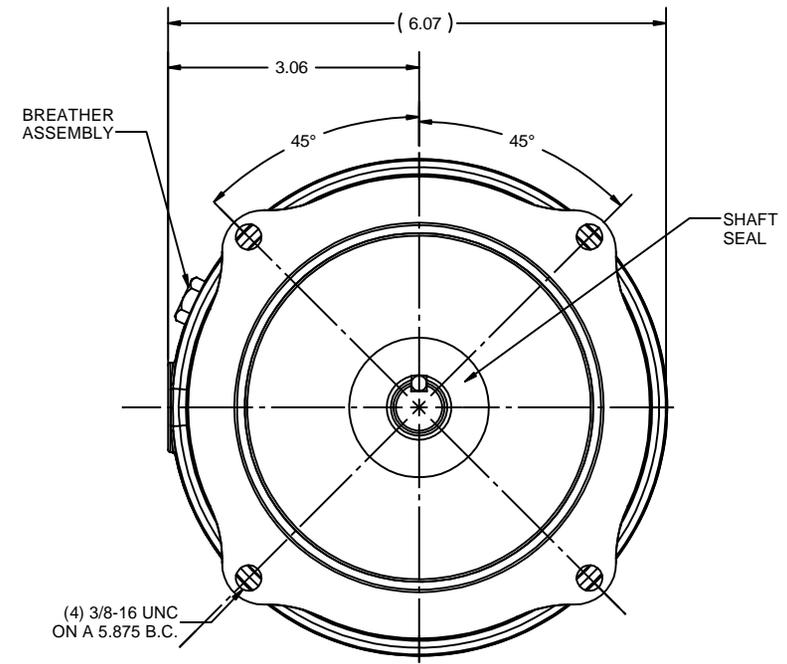
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	NEMA 56	Overall Length	11.49 in
Frame Length	6.75 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.01	Outline Drawing	031986-675

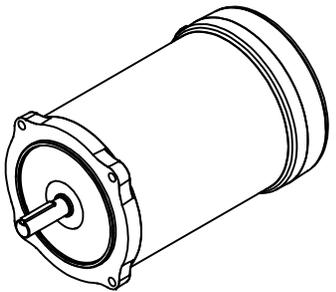


3/4" HEX DRIVER FOR COVER REMOVAL

1/2-14 NPT CONDUIT HOLE

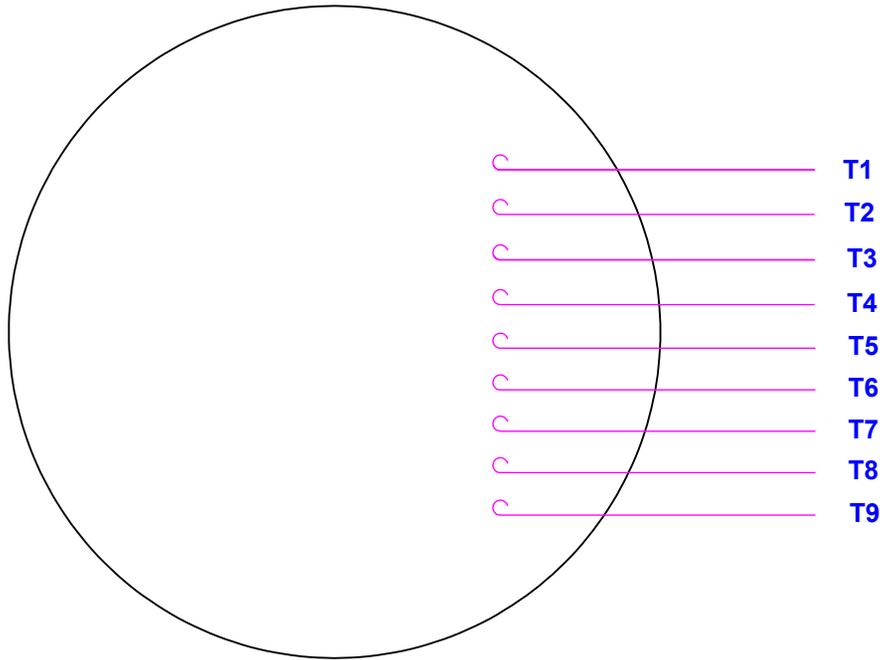


DASH NO.	"C"	"AD"
525	9.99	6.55
550	10.24	6.80
575	10.49	7.05
600	10.74	7.30
625	10.99	7.55
650	11.24	7.80
675	11.49	8.05
700	11.74	8.30

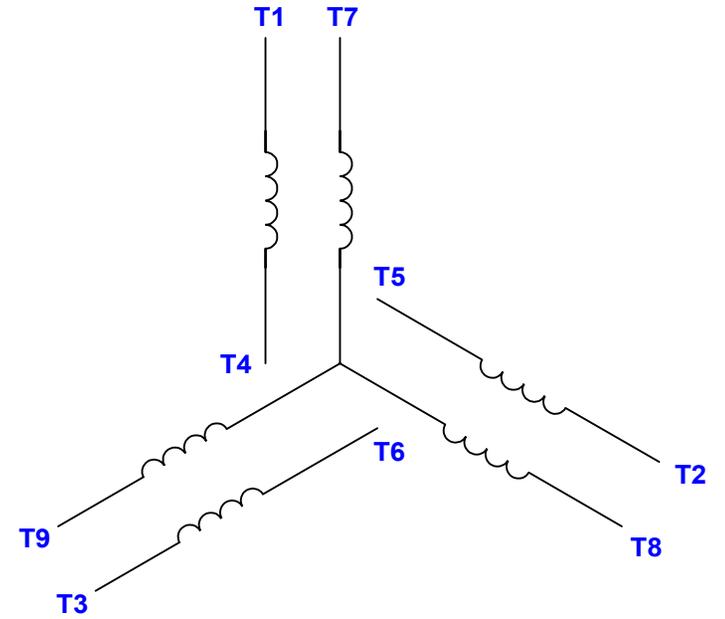


		TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN VV 12/25/09	
		DEC	INCHES			CHK JJK 12/25/09	
		x	±.1			APPR	
		.xx	±.03	TITLE OUTLINE - 48 FRAME PREMIUM DUCK		SCALE 1:4	
		.xxx	±.005	S56 FRAME - C-FACE		REF 103387.00	
01 NAMEPLATE WAS PHANTOM		ARV 6/16/2011	PG. xxxxx ±.0005	MATL		FMF 103389.00	
NO	REVISION	BY & DATE	CHK ANG ±1/2"	FINISH	RFP	PREV	PAGE OF
THIRD ANGLE PROJECTION				SIZE	DRAWING NO	REV	
				B	031986	01	
		NETWORK FILE NAME 031986					

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	
THIRD ANGLE PROJECTION			RFP	04/12/02	PREV	SIZE	DRAWING NO
			NETWORK FILE NAME		00501001	A	005010-01
							REV
							12



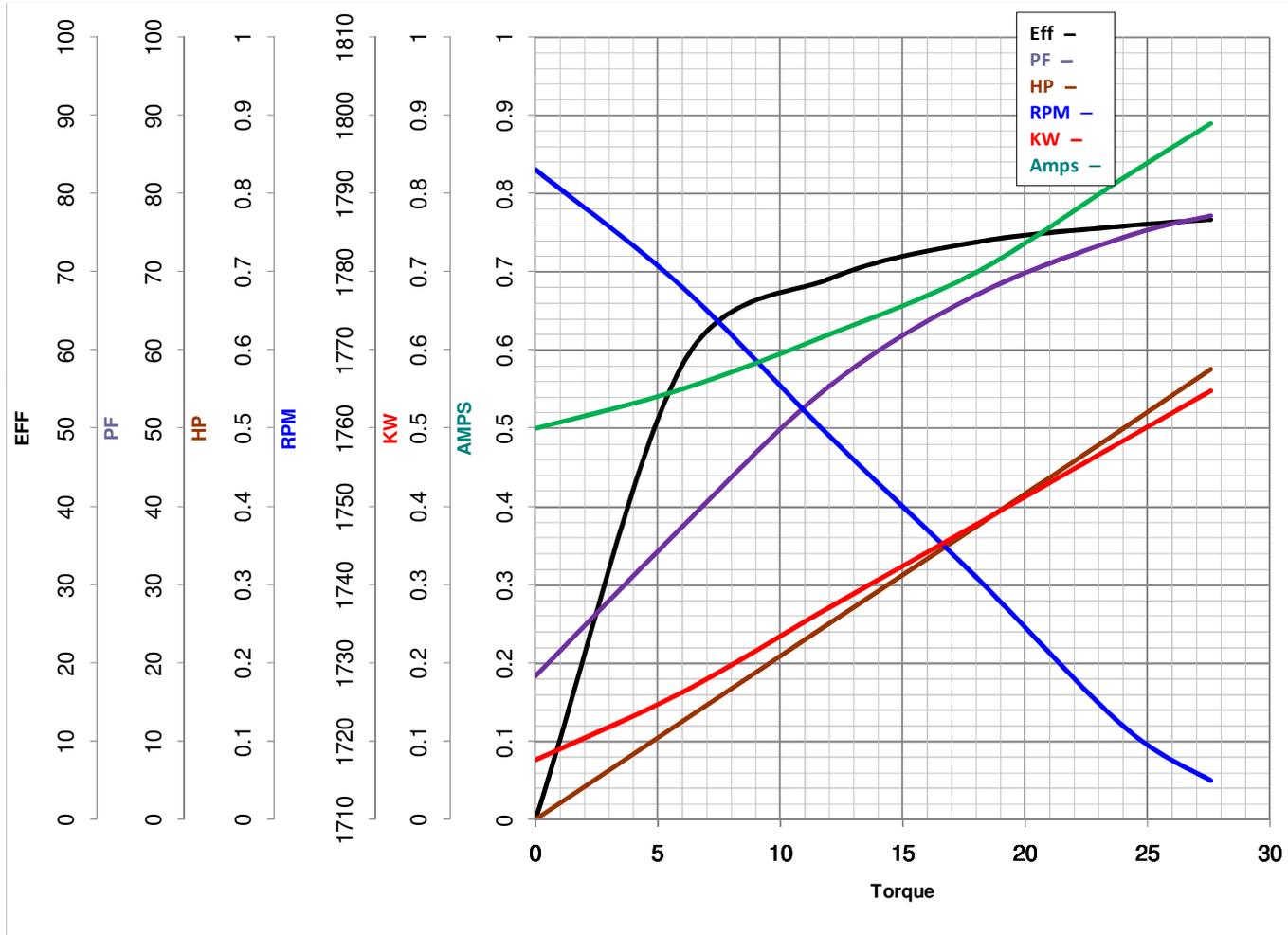
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 103389.00

Catalog No 103389.00

Curve at 460 Volts HP 0.5&0.5 PHASE 3
60 HZ
0.5 HP VOLTS 208-230/460&190/380

HZ 60&50 RPM 1725&1425



Torque in Oz.Ft

FL TORQUE 24 Oz.Ft
 BD TORQUE 100.0 Oz.Ft
 LR TORQUE 106 Oz.Ft

FL AMPS 1.9-1.8/0.9
 PU TORQUE 100.7 Oz.Ft
 LR AMPS 5.3

WINDING T55464-3

Date 6/4/2018

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 : 103389.00

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

Catalog No : 103389.00

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