

PRODUCT INFORMATION PACKET



Model No: 117889.00
Catalog No: 117889.00
Auger Drive Motor, 3/4 HP, 1 Ph, 60/50 Hz, 115/208-230 V, 56YZ Frame, TEFC



Regal and LEESON are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2025 Regal Rexnord Corporation, All Rights Reserved. MC017097E





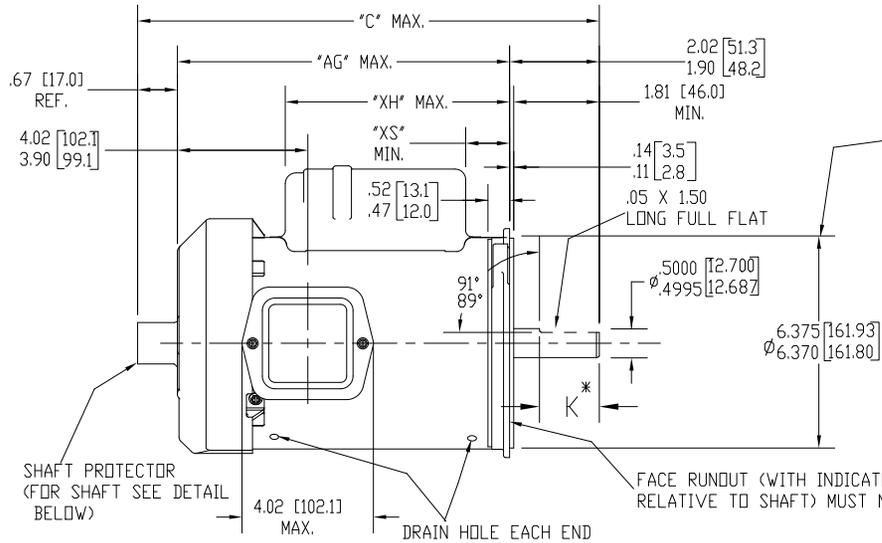
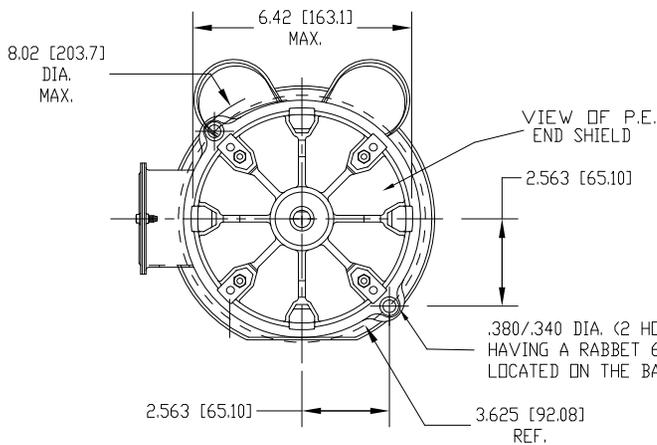
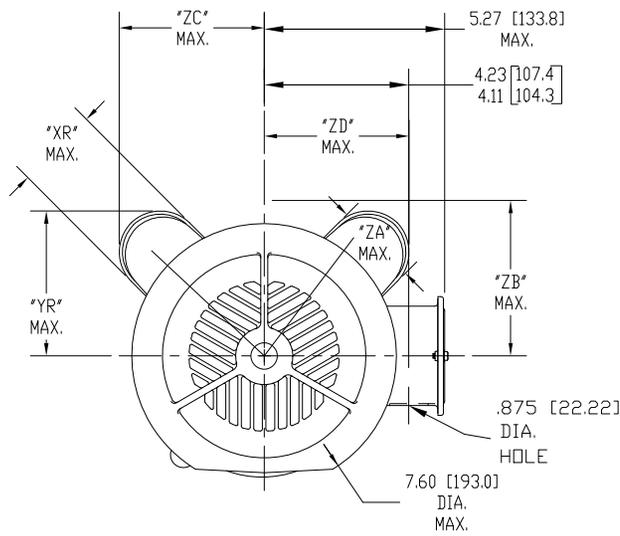
Nameplate Specifications

Phase	1	Output HP	3/4 Hp
Output KW	0.56 kW	Voltage	115/208-230 V
Speed	1725/1425 rpm	Service Factor	1.25
Frame	56YZ	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Frequency	60/50 Hz	Current	8.4/4.5-4.2 A
Power Factor	78.5	Duty	Continuous
Insulation Class	B	KVA Code	M
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43

Technical Specifications

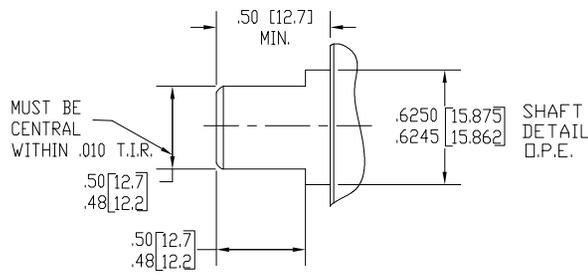
Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Counterclockwise/Clockwise
Motor Orientation	Any	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Special Extension	Shaft Diameter	0.500 in
Outline Drawing	52A107767P1	Connection Drawing	52A105383BA

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:11/13/2025



ECCENTRICITY OF THIS SURFACE (WITH INDICATOR MOUNTED STATIONARY RELATIVE TO SHAFT) MUST NOT EXCEED .006 T.I.R.

FACE RUNOUT (WITH INDICATOR MOUNTED STATIONARY RELATIVE TO SHAFT) MUST NOT EXCEED .006 T.I.R.



NOTE #1- *CUSTOMER ACTUALLY WANTS A DIMENSION OF K=1.50" MAX "LIKE" 1.50 INCHES PLUS .000/ MINUS .020. FOR MODEL# 117889.00

ALL DIMENSIONS ARE IN INCHES

2	KCR	49	56NY	14.44	11.73	7.77	4.68	2.15	2.02	2.72	5.27	3.20	3.66	8.99
1	KCR	49	56NY	13.13	10.42	7.21	4.68	2.15	1.46	2.40	4.90	3.20	3.38	7.68
P	TYPE	GE SIZE	NEMA FR.	"C"	"AG"	"XH"	"YR"	"XR"	"XS"	"ZA"	"ZB"	"ZC"	"ZD"	MIN. SHELL

DRAWING REVISION A REQUEST NUMBER ECR-0215356 REQUEST NUMBER DESCRIPTION CREATED DRAWING IN CAD AND UPDATED SHAFT KEYWAY COPYRIGHT (PER REVISION DATED) REGAL BELLOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELLOIT 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.	REVISION BY APPROVED BY DATE	REV. DATE / © DATE DATE
--	------------------------------------	----------------------------

TOLERANCES (EXCEPT AS NOTED):
 DEC. INCH mm ANGLE
 .X ± 0.1 ± 3
 .XX ± 0.01 ± 0.3
 .XXX ± 0.005 ± 0.13
 .XXXX ± 0.0005 ± 0.013
 REMOVE BURRS & BREAK SHARP EDGES: .003/.015 (.08/.38) X 45
 CORNER FILLETS: R.02 (.5)
 MACHINED SURFACES:
 125
 32
 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY.

DRAWN BY
 SRIKANTH
 DATE
 02/08/2022
 APPROVED BY
 PVR
 DATE
 02/08/2022
 REFERENCE

Regal Rexnord Regal Beloit America, Inc.

DESCRIPTION
 OUTLINE
 SPECIAL PURPOSE MOTOR TEFC - BALL BEARING -2 LUG FLANGE
 FMF: 5KCR49PN0077Y

MATERIAL PROCESS/FINISH

THIRD ANGLE PROJECTION

SIZE B DRAWING NUMBER 52A107767 SHEET 1 OF 1



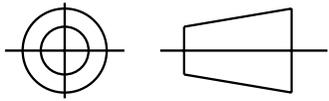
SHEET 1

REV 7

52A105383BA

SIZE DRAWING NO.

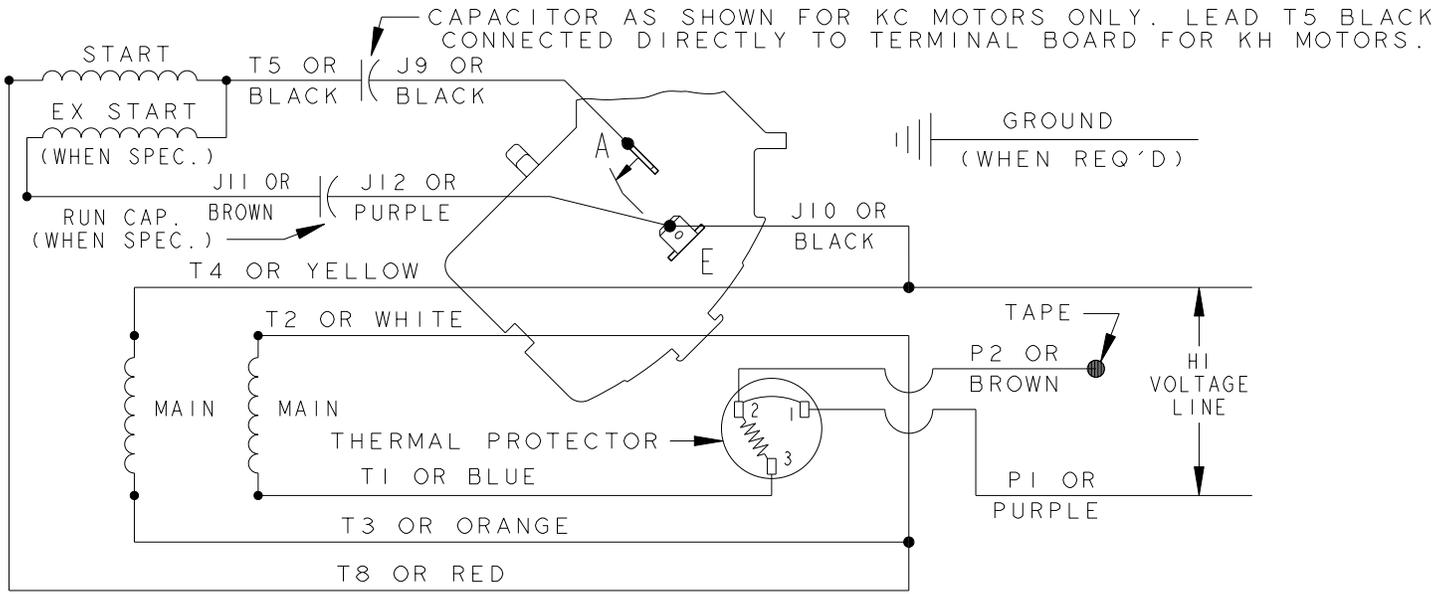
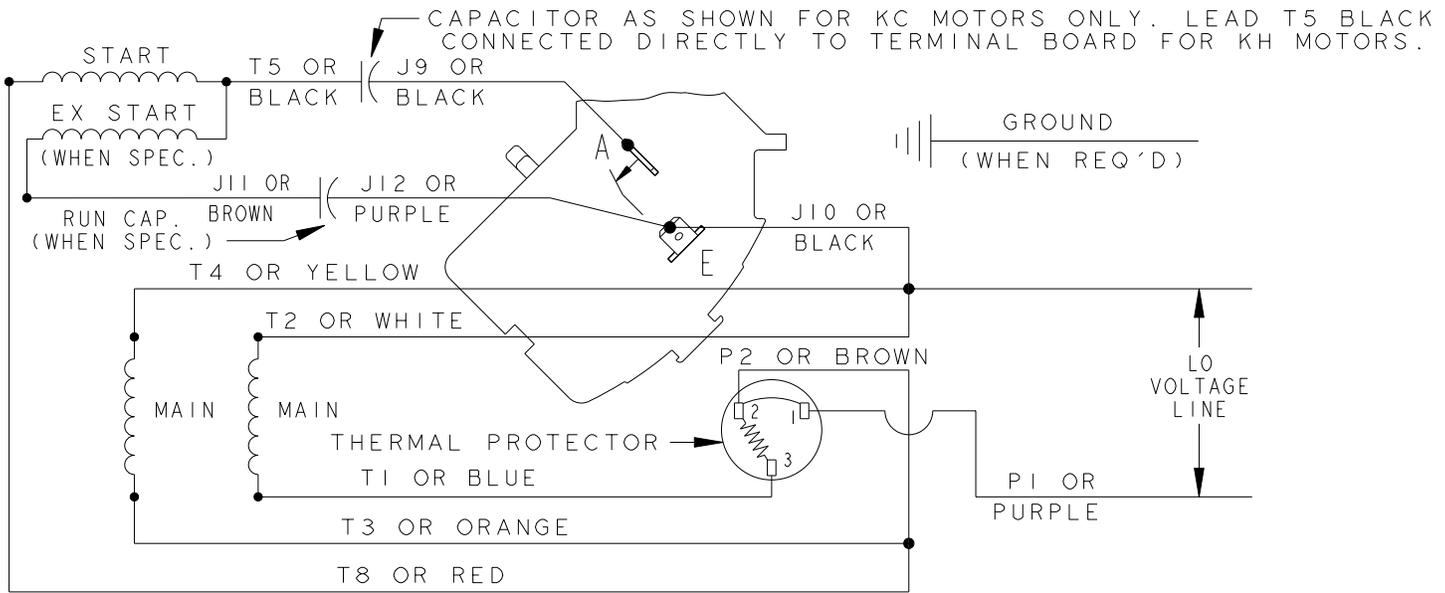
THIRD ANGLE PROJECTION



REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
7	UPDATED FORMAT	01/05/06	MAM

CCW/CW ROTATION - DUAL VOLTAGE
TYPE KC , KH OR KCR - WITH THERMAL PROTECTOR



NOTE#1 - TO REVERSE ROTATION, INTERCHANGE T8 RED AND J10 BLACK LEADS.
 NOTE#2 - WHEN MORE THAN ONE CAPACITOR IS USED, CONNECT IN PARALLEL.
 NOTE#3 - 115D958ABP5 - HIGH CURRENT CONTACTS.

SWITCH (C) - 115D958ABP5, SWITCH (H) - 115D958AA (USE 115D958DA FOR EP)

REF. DIAG. - 113A327, 119A9352 & 52A102102 CONNECTION LABEL - 52X332912

SIGNATURES		DATE
MODEL	M.D.P.	06/29/87
DETAIL	.	.
CHECKED	.	.
ENGRG	.	.
MFG	.	.
FOR ADDITIONAL INFO REFER TO:	QUALITY	.
APPLIED PRACTICES	ISSUED	M.D.P. 12/11/97
DIMENSIONS ARE IN INCHES ✓	SOLID MODEL: 52A105383BA	

REGAL-BELOIT CORPORATION

CONNECTION DIAGRAM

FMF: 30 FRAME SWITCH REDESIGN

SIZE DRAWING: **A**

SCALE: 1.000 REF. No: .

52A105383BA REV **7**

SHEET 1 of 1

