PRODUCT INFORMATION PACKET

Model No: M009046
Catalog No: M009046
General Purpose Motor, 0.50 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 56C Frame, TEFC



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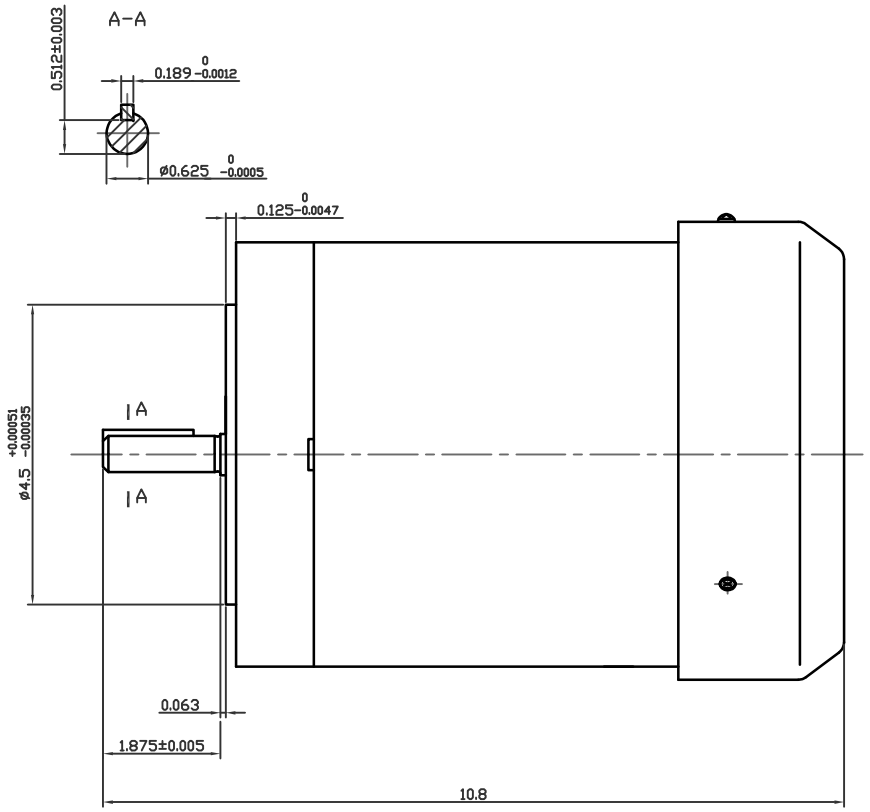
Nameplate Specifications

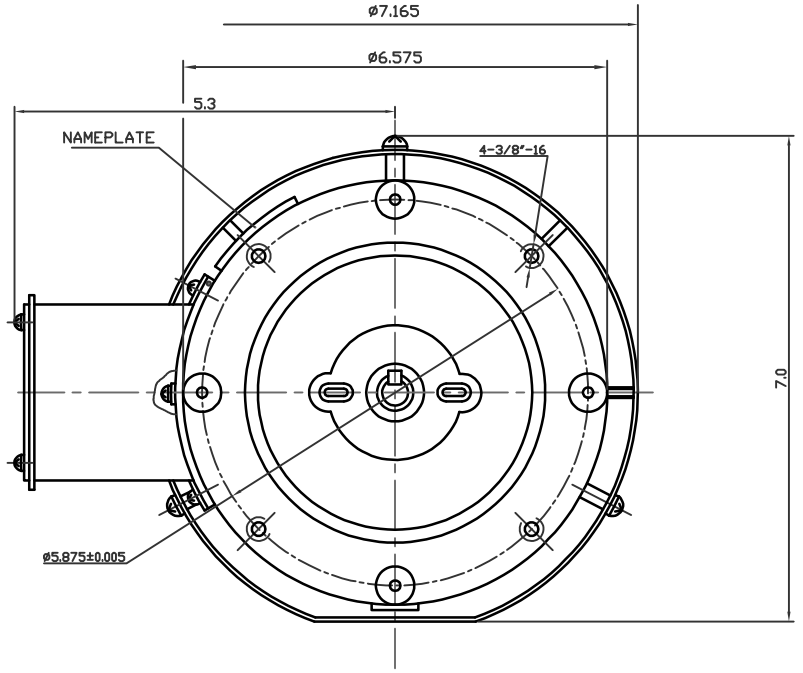
Phase	3	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	230/460 V
Speed	1725 rpm	Service Factor	1.15
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	72 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	1.7/0.87 A	Power Factor	75
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

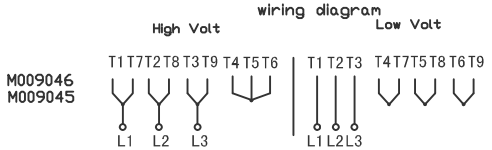
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Assembly/Box Mounting	F1 ONLY
Outline Drawing	M009046	Connection Drawing	005010.01

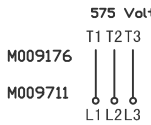
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wiring diagram





CAT.NO	FRAME	HP	Pole	VOLTS	Hz	RPM	PH	THERMOSTAT
M009045	56C	1/3	4	208-230/460	60	1725	3	NO
M009711				575V				
M009046		1/2	4	208-230/460				
M009176				575V				

NO.	REVISION	BY & DATE	CH'K'D.

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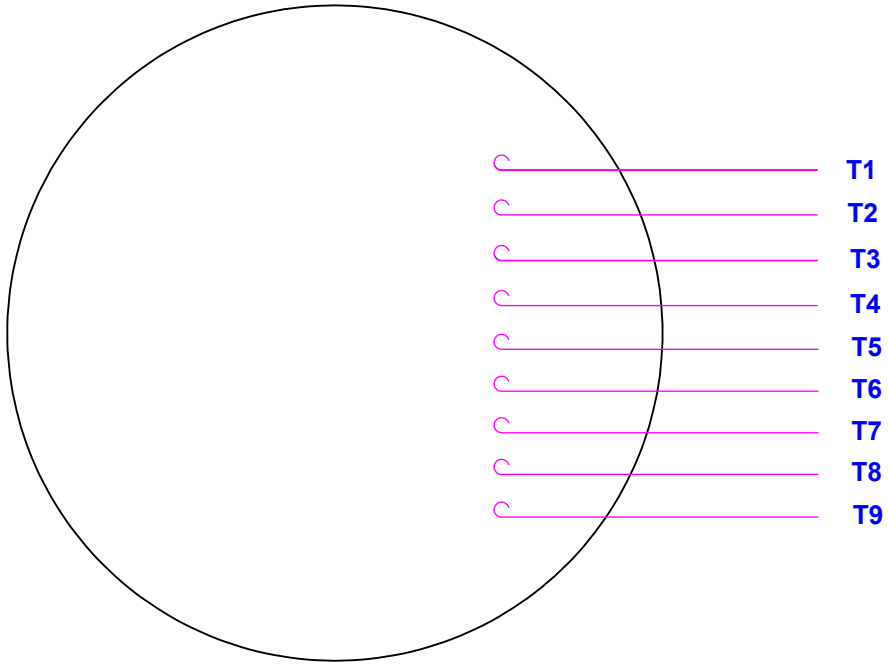
LEESON ELECTRIC CORPORATION

DRAWN	TITLE M009045,M009046,M009711,M009176 OUTLINE
APPR.	
R.F.P.	CUSTOMER
SCALE 1:1	
REF.	DATE 31.10.2006 REV. DRAWING NO.
FMF	

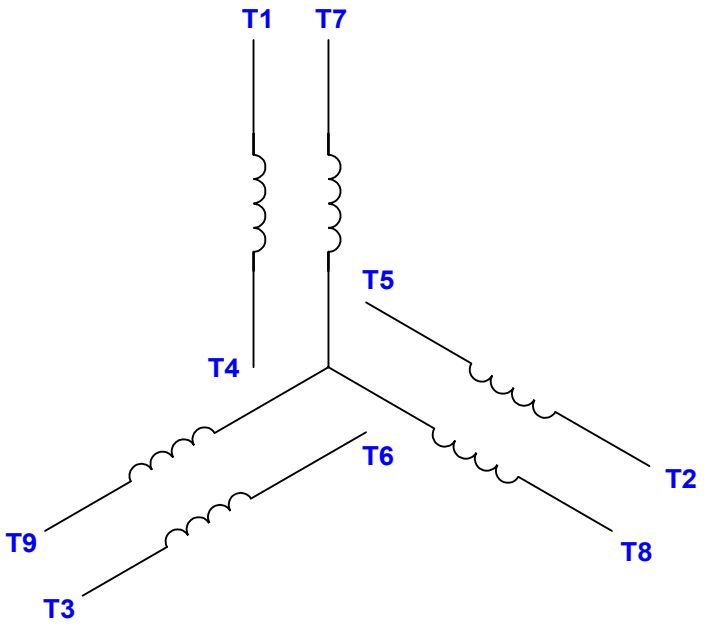
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YSN5604-E YSN5604G-E
YSN5614-E YSN5614G-E

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

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NO	REVISION	BY & DATE	CHK
12	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11	
11	ADD REV TO MATCH ORACLE	KJH 06/08/09	MDN

TOLERANCES UNLESS SPECIFIED
DEC INCHES
.X ±.1
.XX ±.01
.XXX ±.005
.XXXX ±.0005
ANG ±1/2°

THIRD ANGLE PROJECTION

Regal Rexnord — Regal Beloit America, Inc.

TITLE EXTERNAL WIRING DIAGRAM
3 PHASE W/O PROTECTOR
MAT'L DECAL - 004014
FINISH
RFP 04/12/02
PREV
NETWORK FILE NAME 00501001

DRAWN RDW 04/12/02
CHK
APPR
SCALE 1:1
REF FIG. 2-51
FMF
PAGE OF

SIZE A
DRAWING NO 005010-01
REV 12

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 : M009046

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

Catalog No : M009046

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 09/06/2022

CE 22