

# PRODUCT INFORMATION PACKET



Model No: 110411.00

Catalog No: 110411.00

General Purpose Motor, 0.50 HP, 1 Ph, 60 Hz, 115/230 V, 1200 RPM, 56C Frame, TEFC

**Operational at 115/208-230 V @60HZ**



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### Nameplate Specifications

Phase	1	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	115/230 V
Speed	1140 rpm	Service Factor	1.00
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	68 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	9.4/4.7 A	Power Factor	53.5
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	K
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

### Technical Specifications

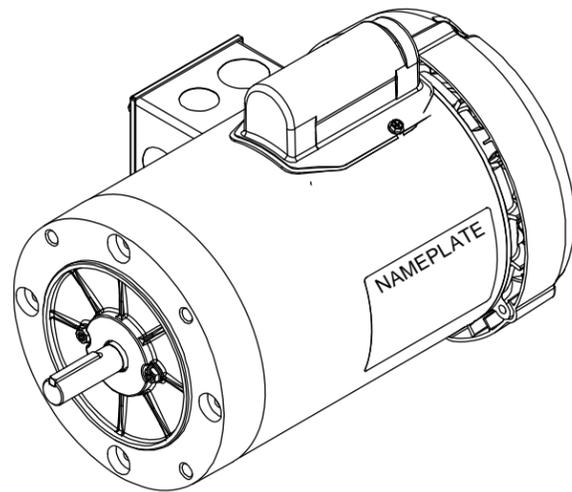
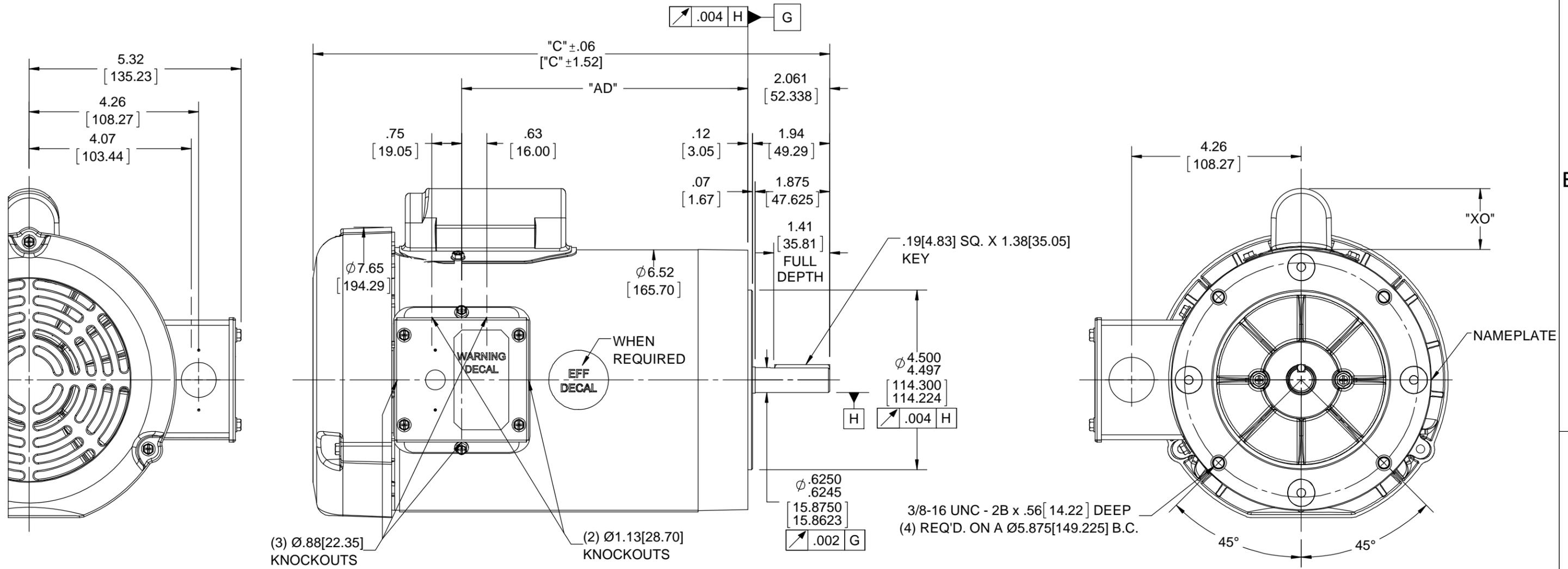
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Selective Counterclockwise
Resistance Main	3.84 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	12.98 in
Frame Length	7.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005005.01	Outline Drawing	029075-750A

B

B

A

A



(3) Ø.88[22.35]  
KNOCKOUTS

(2) Ø1.13[28.70]  
KNOCKOUTS

3/8-16 UNC - 2B x .56 [14.22] DEEP  
(4) REQ'D. ON A Ø5.875 [149.225] B.C.

NOTES:  
1) GASKETS THROUGHOUT.

DRAWING REVISION A	REVISION BY	DATE
ECO ECO-0139851	APPROVED BY	DATE
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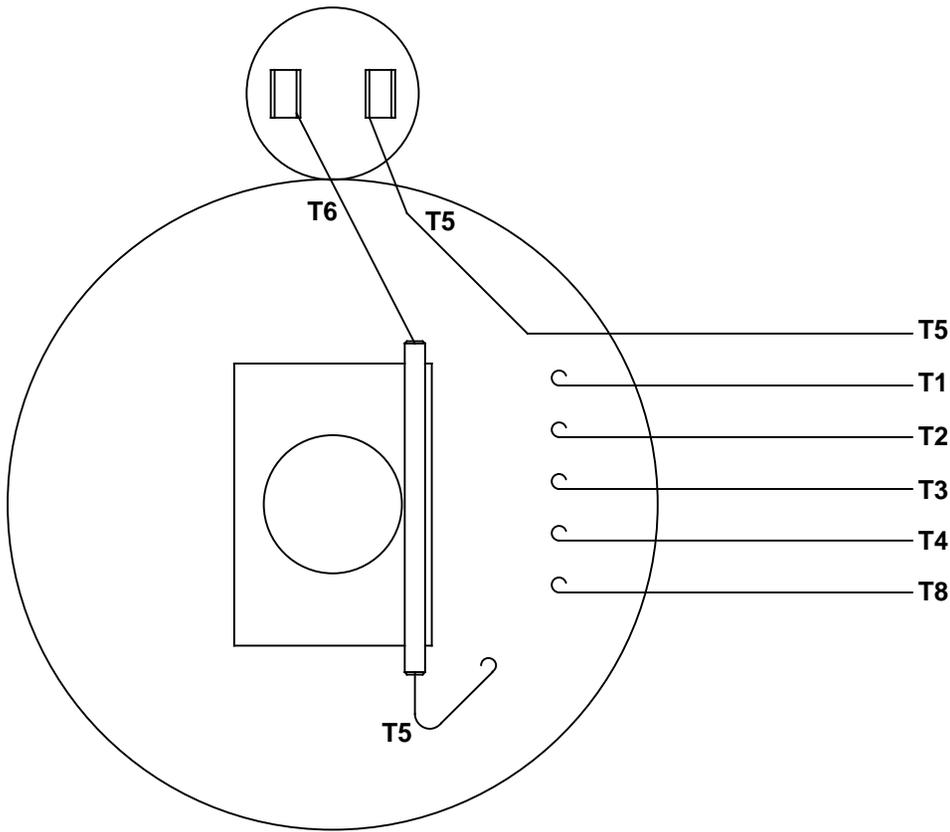
TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7° 30"
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [0.51] MACHINED SURFACES: 200 INCH/mm 5.1 mm SHOWN IN [BRACKETS]			

DRAWN BY T AHER
DATE 12/07/2017
APPROVED BY PK
DATE 2/15/2018
REFERENCE 028854
THIRD ANGLE PROJECTION

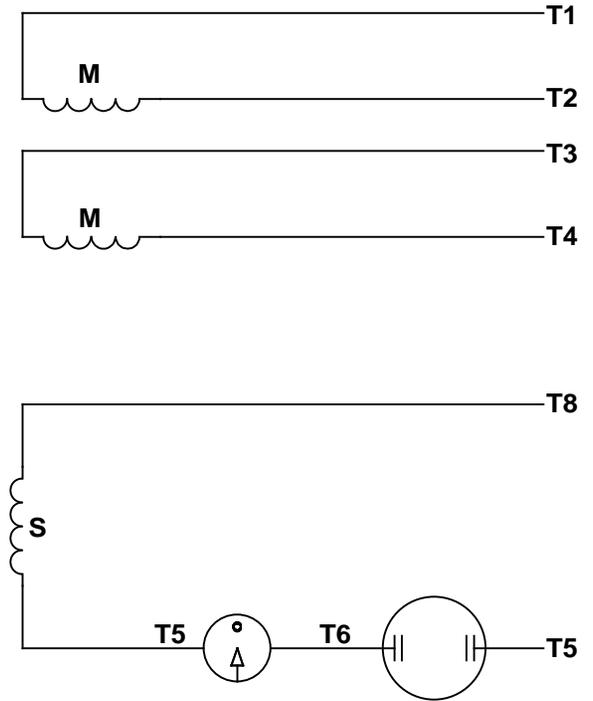
DASH NO.	"C"	"AD"	CAP DASH	"XO"
750	12.98 [329.69]	7.19 [182.63]	A	1.53 [38.86]
800	13.48 [342.39]	7.69 [195.33]	B	2.00 [50.80]

<b>REGAL</b> ™ Regal Beloit America, Inc.	
DESCRIPTION <b>OUTLINE</b> 56C FRAME, TEFC - "C" FACE	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER 029075
SHEET 1 OF 1	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



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	ROTATION FACING LEAD END	L1	L2	JOIN
HIGH VOLT	C.C.W.	T1	T4, T5	T2, T3, T8
	C.W.	T1	T4, T8	T2, T3, T5
LOW VOLT	C.C.W.	T1, T3, T8	T2, T4, T5	-----
	C.W.	T1, T3, T5	T2, T4, T8	-----

--	REDRAWN IN SOLIDWORKS	VJB 02/16/11	TOLERANCES UNLESS SPECIFIED		<b>LEESON</b>	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN ADH 08/06/73
27	UPDATED TO CURRENT STANDARDS	DBT 05/27/97	DEC	INCHES			CHK
26	ADDED PAGE 32 (114787) & PAGE 33 (114788)	KAZ 12/20/95	PG	.X ±.1	TITLE EXTERNAL WIRING DIAGRAM TYPE "C" W/O PROTECTOR		APPR JCW 03/09/79
25	ADDED PAGE 31	KAZ 04/19/95	DL	.XX ±.01			SCALE 1:1
24	ADDED PAGES 29 & 30	KMM 03/30/95	DL	.XXX ±.005	MAT'L DECAL - 004012		REF FIG 2-23 C4A
23	ADDED PAGE 28	KMM 01/27/95		.XXXX ±.0005			FMF MGI-2.4B
NO	REVISION	BY & DATE	CHK	ANG ±1/2°	FINISH	PAGE	OF
THIRD ANGLE PROJECTION			RFP	PREV	SIZE	DRAWING NO	REV
			NETWORK FILE NAME 00500501		<b>A</b>	<b>005005-01</b>	--



**CERTIFICATION DATA SHEET**

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

**CONN. DIAGRAM:** 005005.01

**CATALOG #:** 110411.00

**OUTLINE:** 029075-750A

**MOUNTING:** F1 ONLY

**WINDING #:** C63639 FR 3 A

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	1200	1140	56C	TEFC	K	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	9.4/4.6-4.7	ACROSS THE LINE	CONTINUOUS	B4	1.0	40

FULL LOAD EFF:	68	3/4 LOAD EFF:	62.1	1/2 LOAD EFF:	55.3	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	53.5	3/4 LOAD PF:	45.7	1/2 LOAD PF:	36.7	64		CAP START IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
36 OZ-FT	38 / 19	80 OZ-FT 222 %	86 OZ-FT 239 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.13 LB-FT^2	0.1 LB-FT^2	10 SEC.	0	40 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	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

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

<b>INVERTER TORQUE:</b> NONE
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE
NONE NONE
NONE NONE PPR
<b>BRAKE:</b> NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

