

# PRODUCT INFORMATION PACKET

Model No: 110446.00

Catalog No: 110446.00

General Purpose Motor, 0.33 HP, 3 Ph, 60 Hz, 208-230/460 V, 3600 RPM, 56C Frame, TENV



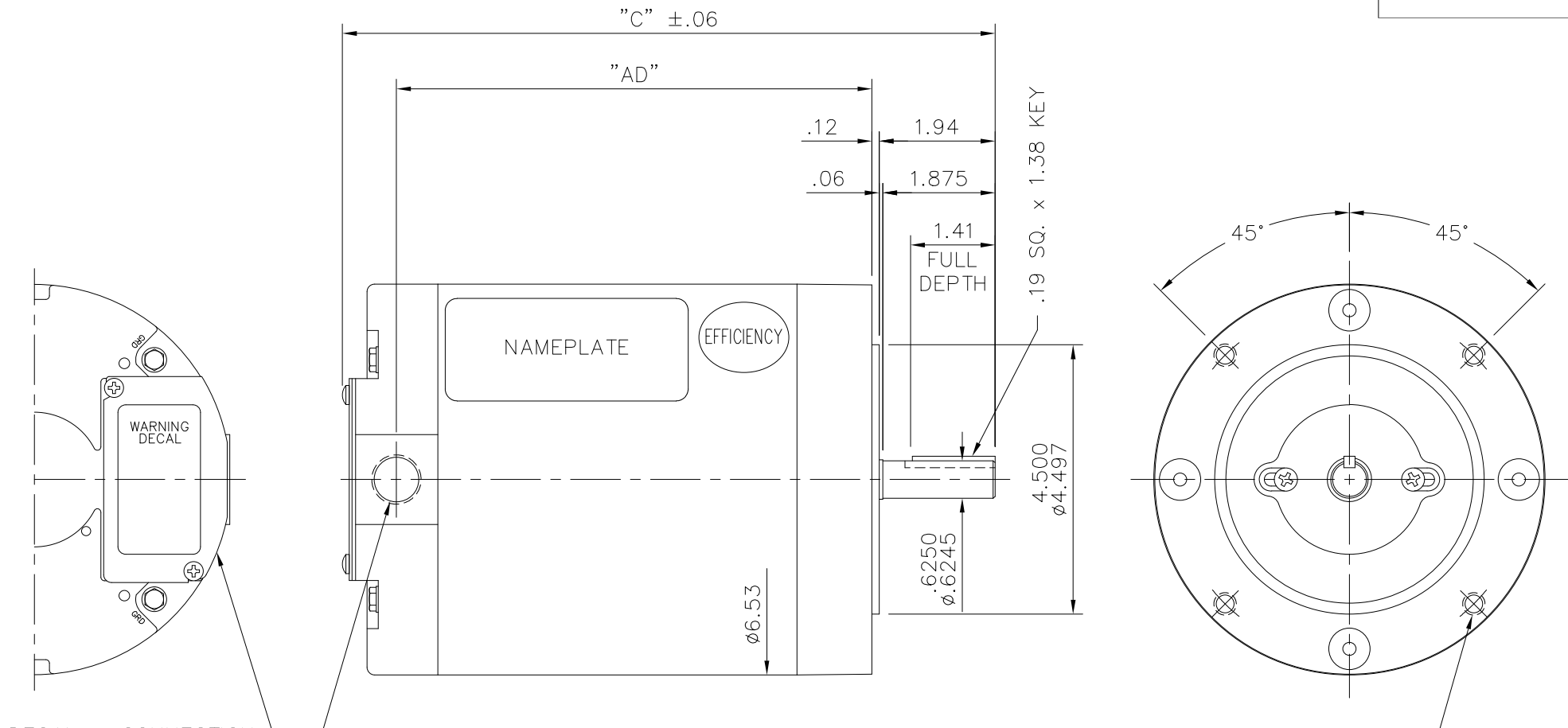
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**Nameplate Specifications**

Output HP	<b>0.33 Hp</b>	Output KW	<b>0.25 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>208-230/460 V</b>
Current	<b>1.1/0.55 A</b>	Speed	<b>3450 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>77 %</b>	Power Factor	<b>75</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>B</b>	KVA Code	<b>L</b>
Frame	<b>56C</b>	Enclosure	<b>Totally Enclosed Non Ventilated</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6203</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>N</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

**Technical Specifications**

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>50.4 Ohms</b>	Mounting	<b>Round</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>NEMA 56</b>	Overall Length	<b>9.90 in</b>
Frame Length	<b>5.00 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>1.88 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Connection Drawing	<b>005010.01</b>	Outline Drawing	<b>028501-500</b>



DECAL - CONNECTION UNDER COVER (WHEN REQ'D)

(1) 1/2-14 NPT (PLUGGED)

DASH NO.	"C"	"AD"
500	9.90	6.94
550	10.40	7.44
600	10.90	7.94
650	11.40	8.44
700	11.90	8.94
750	12.40	9.44
800	12.90	9.94

(4) 3/8-16 UNC-2B X .56 DEEP ON A Ø5.875 B.C.

GASKETS THROUGHOUT

MAXIMUM FACE RUNOUT TO BE .004 T.I.R.

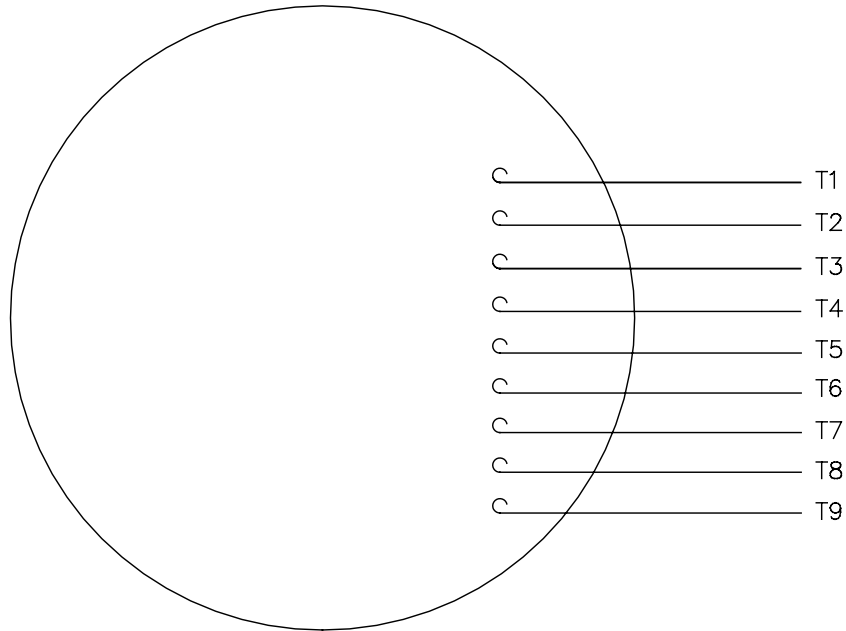
MAXIMUM PILOT ECCENTRICITY .004 T.I.R.

PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

TOLERANCES UNLESS SPECIFIED				LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN BJB 06/05/03	
				DEC. INCHES		CHK	
				.X ±.1		APPD	
				.XX ±.03		SCALE 3=8	
				.XXX ±.005		REF 034946	
				TITLE		FMF	
				OUTLINE - 56 FRAME		PREV	
				T.E.N.V. - "C" FACE			
				MAT'L. GENERAL PURPOSE			
				FINISH			
				RFP			
				CAD FILE			
				DIST BRF-NLV			
				SIZE			
				A			
				DRAWING NO.			
				028501			
				REV.			
				02			
02	ADDED MYLAR PLATE & DECALS(ECR-0221003)	AP 8/30/22	PP	.XXXX	±.0005	GENERAL PURPOSE	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	GENERAL PURPOSE	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP		CAD FILE 028501	
				DIST BRF-NLV		SIZE A	
						DRAWING NO. 028501	
						REV. 02	

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

TOLERANCES  
UNLESS SPECIFIED

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



**Regal Beloit America, Inc.**

DRAWN RDW 04/12/02

CHK

APPD

SCALE 1=1

REF FIG.2-51

A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005	MAT'L. DECAL - 004014
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH

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RFP 04/12/02  
DIST BRF-NLV

CAD FILE 00501001

SIZE	DRAWING NO.	REV.
A	005010-01	A



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

**CERTIFICATION DATA SHEET**

**CATALOG #:** 110446.00

**CONN. DIAGRAM:** 005010.01

**OUTLINE:** 028501-500

**MOUNTING:** F1 ONLY

**WINDING #:** T632186 NR 3 A

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/3&1/3	0.25&0.25	3600	3450&2850	56C	TENV	L	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	208-230/460&208-230/460	1.1/.55&1.2/.6	ACROSS THE LINE	CONTINUOUS	B4	1.15/1.15	40

FULL LOAD EFF:	77&77	3/4 LOAD EFF:	74	1/2 LOAD EFF:	77.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	75&67	3/4 LOAD PF:	67.7	1/2 LOAD PF:	49.9	0	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
8 OZ-FT	8.8 / 4.4	24.36 OZ-FT 325 %	35.3 OZ-FT 450 %	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.03 LB-FT^2	0 LB-FT^2	0 SEC.	0	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	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  
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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

Data Sheet

Date: 1/24/2018

110446.00



Data @ **460 V**

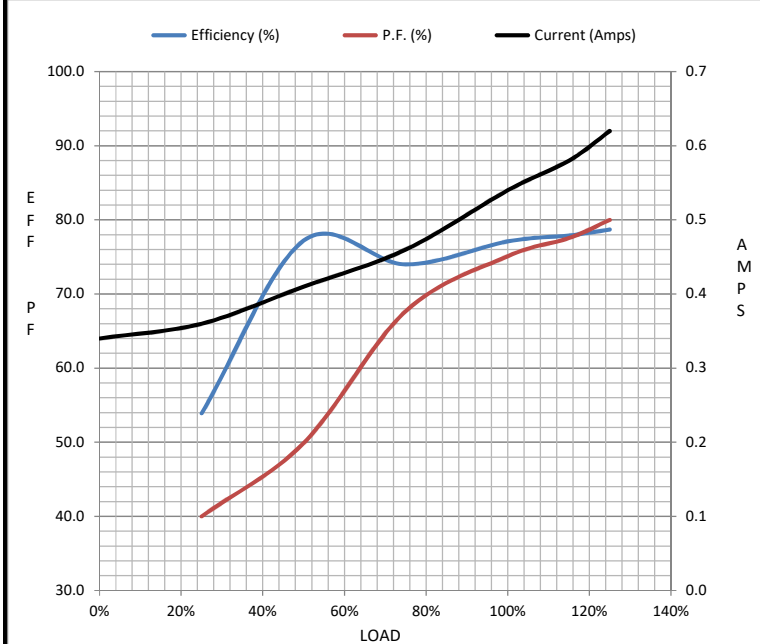
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.34	0.36	0.41	0.46	0.54	0.58	0.62	4.4
Torque (ft-lb)	0.00	31.9	64.6	113	129	2,370	163	394
RPM	3600	3571	3550	3531	3506	3,497	3483	0
Efficiency (%)		53.9	77.2	74.0	77.1	77.9	78.7	
P.F. (%)	18.5	40.0	49.9	67.7	75.1	77.6	80.0	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	229	2600	3506	3600
Current (Amps)	4.4	4.3	2.90	0.54	0.34
Torque (ft-lb)	394	386	571	129	0.00

Information Block				
HP	0.3			
Sync. RPM	3600			
Frame	140			
Enclosure	TENV			
Construction	NA			
Voltage	208-230/460#208-230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	L			
Service Factor	1.0			
Temp Rise @ FL	77 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.03 Lb-Ft <sup>2</sup>			
Ref Wdg	T632186 NR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	NONE			
Outline Dwg	028501-500			
Conn. Diag	005010.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

