

# PRODUCT INFORMATION PACKET



Model No: 110446.00

Catalog No: 110446.00

General Purpose Motor, 0.33 & 0.33 HP, 3 Ph, 60 & 50 Hz, 230/460 & 208-230/460 V, 3600 & 3000 RPM,  
56C Frame, TENV

**Operational at 208-230/460 V @60HZ**



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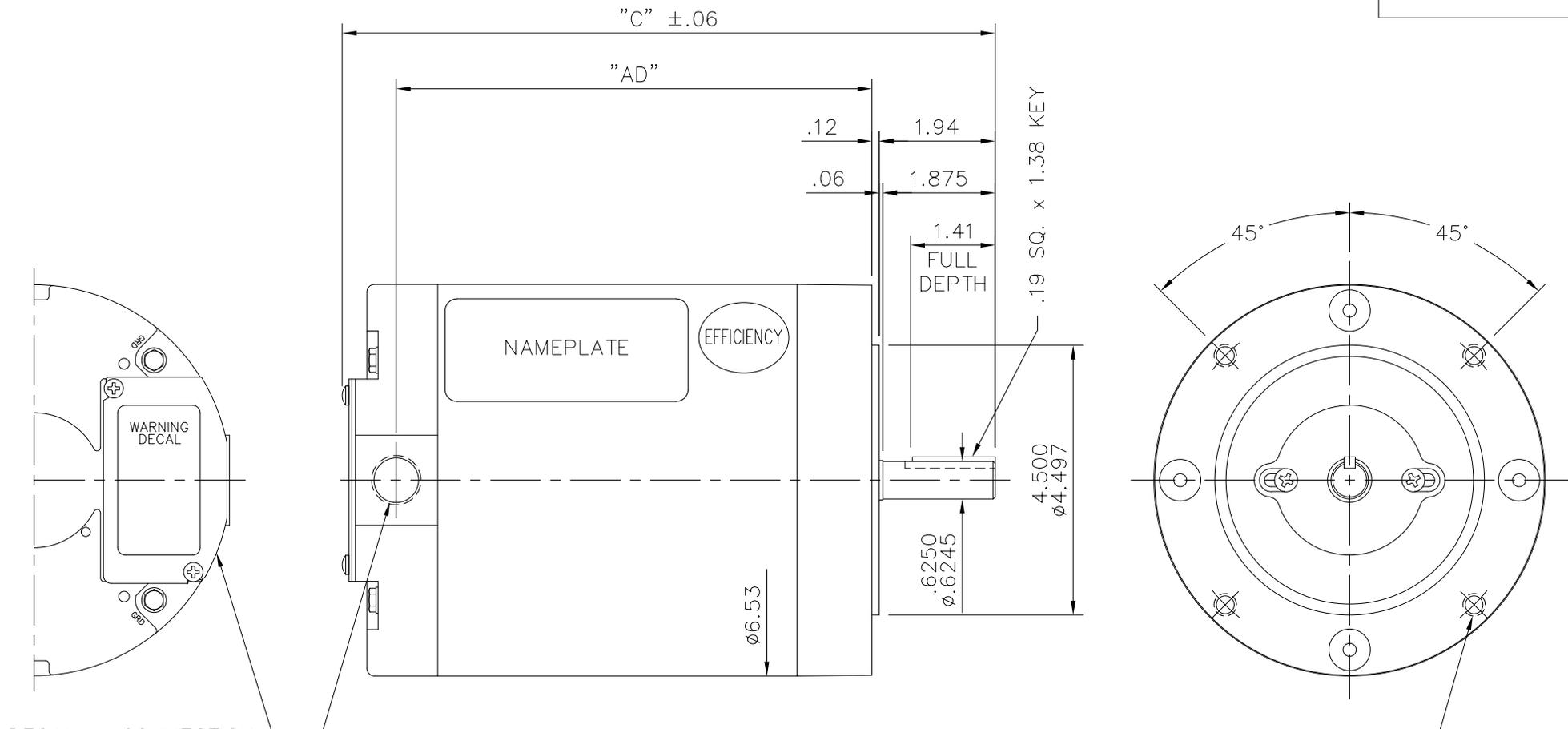


### Nameplate Specifications

Phase	3	Output HP	0.33 & 0.33 Hp
Output KW	0.25 & 0.25 kW	Voltage	230/460 & 208-230/460 V
Speed	3450 & 2850 rpm	Service Factor	1.15 & 1.15
Frame	56C	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Efficiency	77 & 77 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	1.1/.55 & 1.2/.6 A	Power Factor	75
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	L
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	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Resistance Main	50.4 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	9.90 in
Frame Length	5.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.01	Outline Drawing	028501-500



DECAL - CONNECTION UNDER COVER (WHEN REQ'D)

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

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

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

GASKETS THROUGHOUT

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

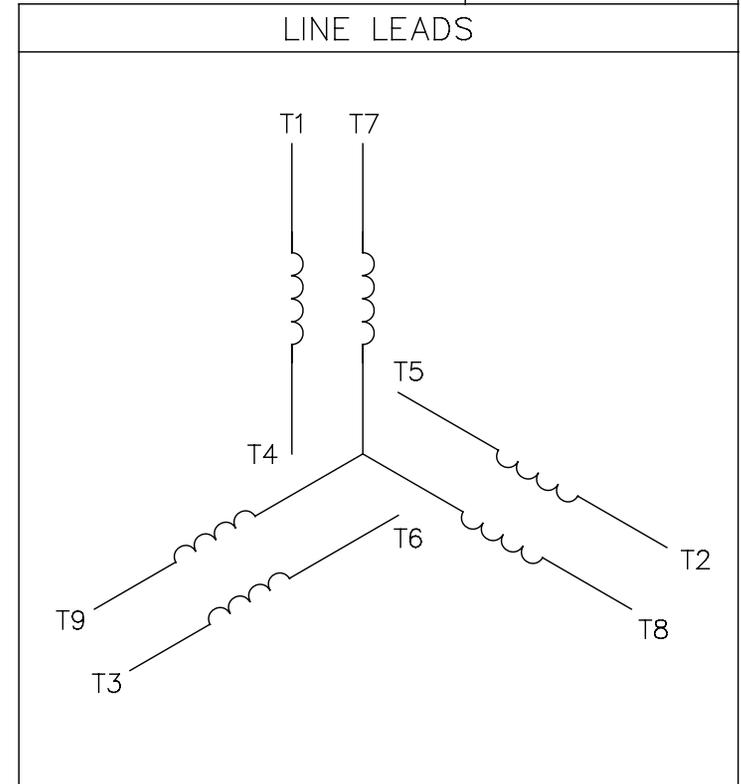
MAXIMUM PILOT ECCENTRICITY .004 T.I.R.

PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

				TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN BJB 06/05/03		
				DEC.	INCHES	TITLE OUTLINE - 56 FRAME T.E.N.V. - "C" FACE		CHK		
				.X	±.1			APPD		
				.XX	±.03			SCALE 3=8		
				.XXX	±.005			REF 034946		
02	ADDED MYLAR PLATE & DECALS(ECR-0221003)	AP 8/30/22	PP	.XXXX	±.0005	MAT'L.	GENERAL PURPOSE	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH		PREV		
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	SIZE	DRAWING NO.	REV.
				DIST	BRF-NLV			A	028501	02
						<b>3 of 6</b>				

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		<b>REGAL</b> ™ <b>Regal Beloit America, Inc.</b>		DRAWN RDW 04/12/02		
				DEC.	INCHES			CHK		
				.X	±.1			APPD		
				.XX	±.01			SCALE 1=1		
				.XXX	±.005	TITLE		REF FIG.2-51		
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005	MAT'L.		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH		PREV		
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	04/12/02	CAD FILE		SIZE	DRAWING NO.	REV.
				DIST	BRF-NLV	00501001		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

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<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

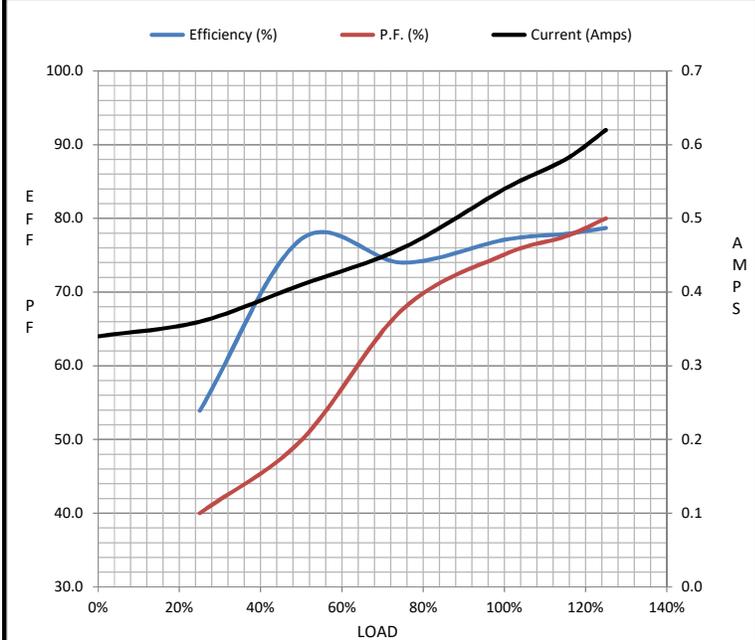
Motor Load Data

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

