

# PRODUCT INFORMATION PACKET



Model No: 111917.00  
Catalog No: 111917.00  
0.50 HP General Purpose Motor, 3 phase, 1800 RPM, 208-230/460 V, 56 Frame, TENV  
Three Phase TENV Motors



Regal and Leeson are trademarks of Regal Beloit Corporation or one of its affiliated companies.  
©2020 Regal Beloit Corporation, All Rights Reserved. MC017097E





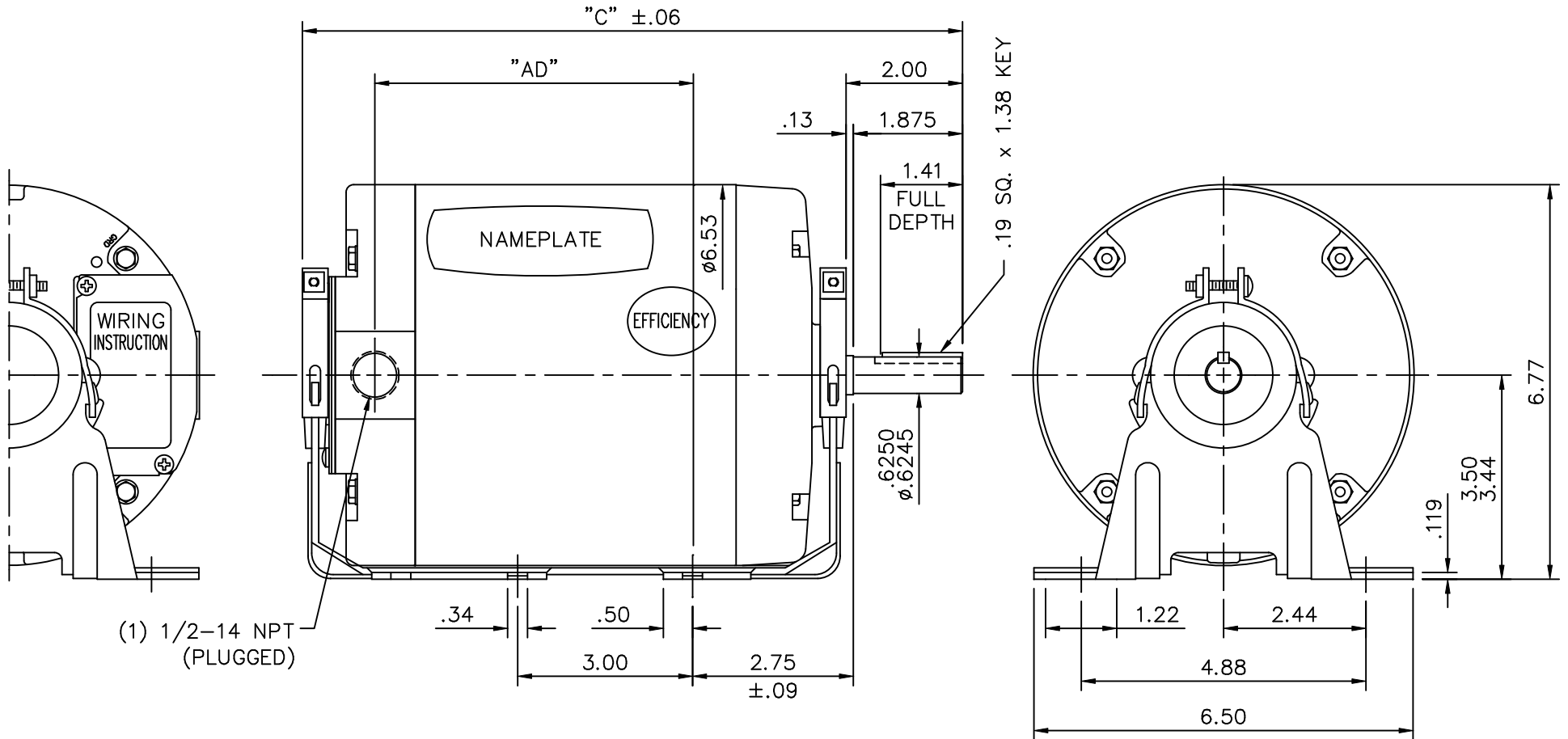
### Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	2.0-1.8/0.90 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	78.5 %	Power Factor	67
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	L
Frame	56	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43

### Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	9.66 Ohms	Mounting	Resilient Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.32 in
Frame Length	5.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028548-550	Connection Drawing	005010.01

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:14/10/2020



DASH NO.	"C"	"AD"
550	11.32	5.46

GASKETS THROUGHOUT



ELECTRIC MOTORS  
GEARMOTORS  
AND DRIVES

DRAWN	BJB 06/18/03
CHK	
APPD	
SCALE	3=8
REF	
FMF	
PREV	

TITLE	OUTLINE - 56 FRAME T.E.N.V. - RESILIENT BASE
MAT'L.	GENERAL PURPOSE
FINISH	

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED	
				DEC.	INCHES
				.X	±.1
				.XX	±.03
				.XXX	±.005
				.XXXX	±.0005
				ANG	±1/2°

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	028548	SIZE	DRAWING NO.	REV.
		DIST	BRF-NLV		A	028548	

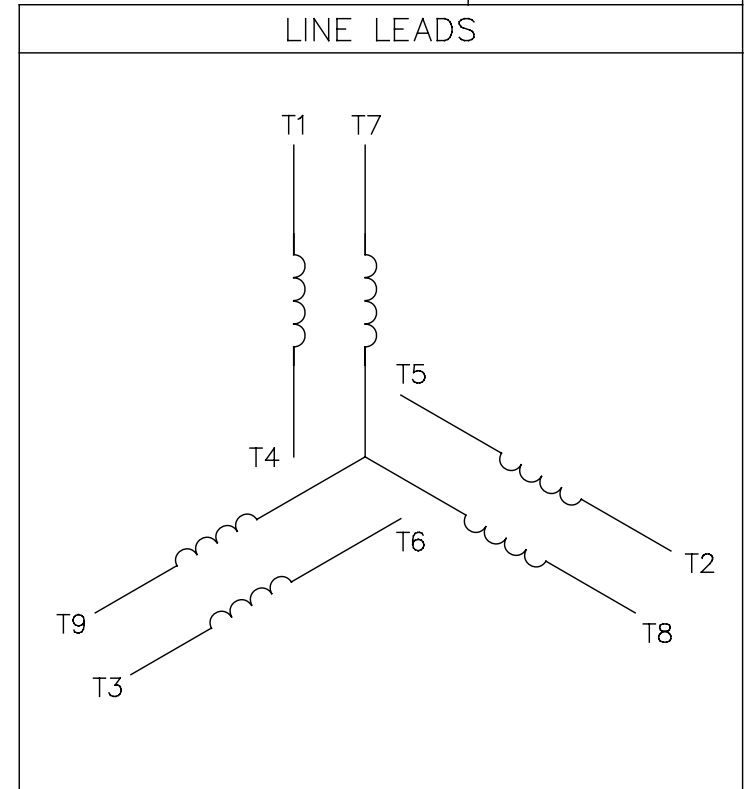
```
ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--
```

```
STACK:
```

```
/SS  
-dictionary-  
/Pscript_WinNT_Compact  
-dictionary-
```

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



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005010.01

CATALOG #: 111917.00

OUTLINE: 028548-550

MOUNTING: F1 ONLY

WINDING #: T634208 NR 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	1800	1725	56	TENV	L	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	208-230/460	2.0-1.8/1.9	ACROSS THE LINE	CONTINUOUS	B4	1.15	40

FULL LOAD EFF:	78.5	3/4 LOAD EFF:	75.8	1/2 LOAD EFF:	70.9	GTD. EFF	0	ELEC. TYPE
FULL LOAD PF:	67	3/4 LOAD PF:	55.9	1/2 LOAD PF:	44.1	SQ CAGE IND RUN		

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24 OZ-FT	12.2 / 6.1	72.1 OZ-FT	300 %	97.8 OZ-FT
			408 %	70

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 DBA	10 DBA	0.06 LB-FT^2	0.1 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
STANDARD	STANDARD	RESILIENT BASE	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS DE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
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	FALSE	NONE
NONE	NOT	NONE	NONE			

INVERTER TORQUE: NONE  
 INV. HP SPEED RANGE: NONE

ENCODER: NONE  
 NONE NONE  
 NONE NONE PPR

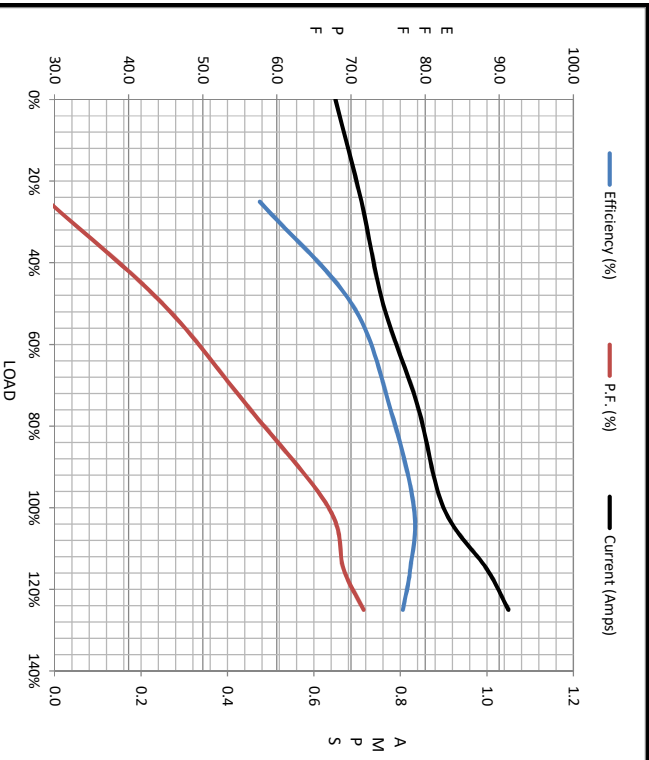
BRAKE: NONE NONE  
 NONE P/N NONE  
 NONE NONE  
 NONE FT-LB NONE V NONE HZ

\*  
 N  
 O  
 T  
 E



Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	0.65	0.71	0.76	0.84	0.90	12.2
Torque (ft-lb)	0.00	96.0	192	288	384	1,153
RPM	1800	1788	1776	1764	1750	0
Efficiency (%)		57.7	70.1	75.2	78.5	77.0
P.F. (%)	13.1	29.2	44.6	56.0	67.0	69.0

Motor Speed Data						Information Block																										
LR	Pull-Up	BD	Rated	Idle		HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk <sup>2</sup>	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	R1	R2	X1	X2	Xm	
0	300	1310	1750	1800		0.5	1800	140	TENV	TTR	208-230/460	60	A	L	1.15	70	CONT	40	1,000	0.06	T634208 NR	0	dB(A)	NONE	028548-550	005010.01		0.0000	0.0000	0.0000	0.0000	0.0000



EQUIV CKT (OHMS / PHASE)					
R1	R2	X1	X2	Xm	
0.0000	0.0000	0.0000	0.0000	0.0000	

