

# PRODUCT INFORMATION PACKET



Model No: 113608.00  
Catalog No: 113608.00  
2 HP General Purpose Motor, 1 phase, 1800 RPM, 115/208-230 V, 56H Frame, ODP  
General Purpose Motors



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.  
©2021 Regal Rexnord Corporation, All Rights Reserved. MC017097E





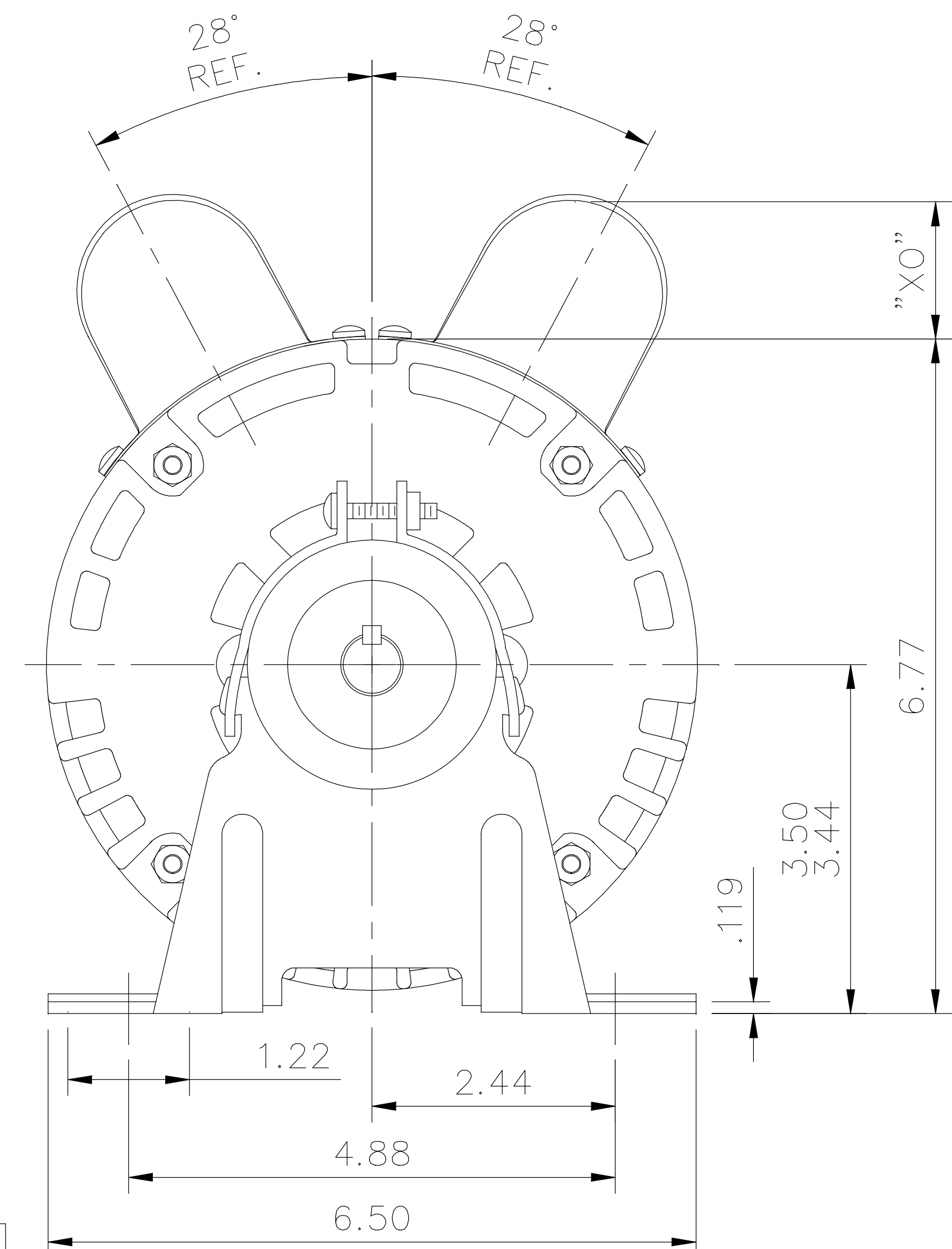
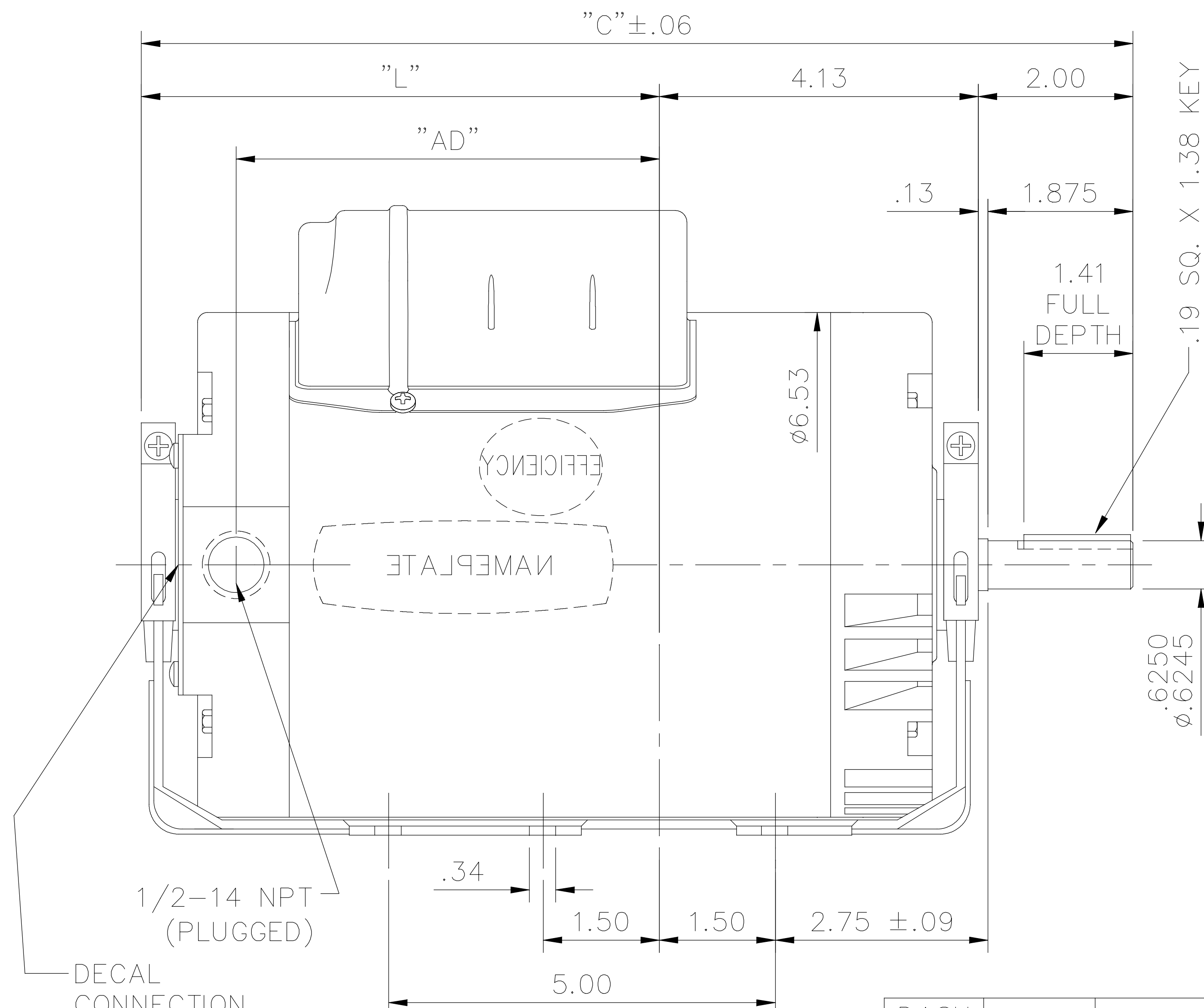
### Nameplate Specifications

Output HP	<b>2 Hp</b>	Output KW	<b>1.5 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/208-230 V</b>
Current	<b>18.4/9.2 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>1</b>
Efficiency	<b>82 %</b>	Power Factor	<b>86</b>
Duty	<b>Continuous</b>	Insulation Class	<b>B</b>
Design Code	<b>L</b>	KVA Code	<b>H</b>
Frame	<b>56H</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>Automatic</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>22</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Capacitor Start Capacitor Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Selective Counterclockwise</b>
Resistance Main	<b>0 Ohms</b>	Mounting	<b>Resilient Base</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>13.82 in</b>
Frame Length	<b>8.00 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>1.88 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Outline Drawing	<b>028656-800B</b>	Connection Drawing	<b>005053.01</b>

028656



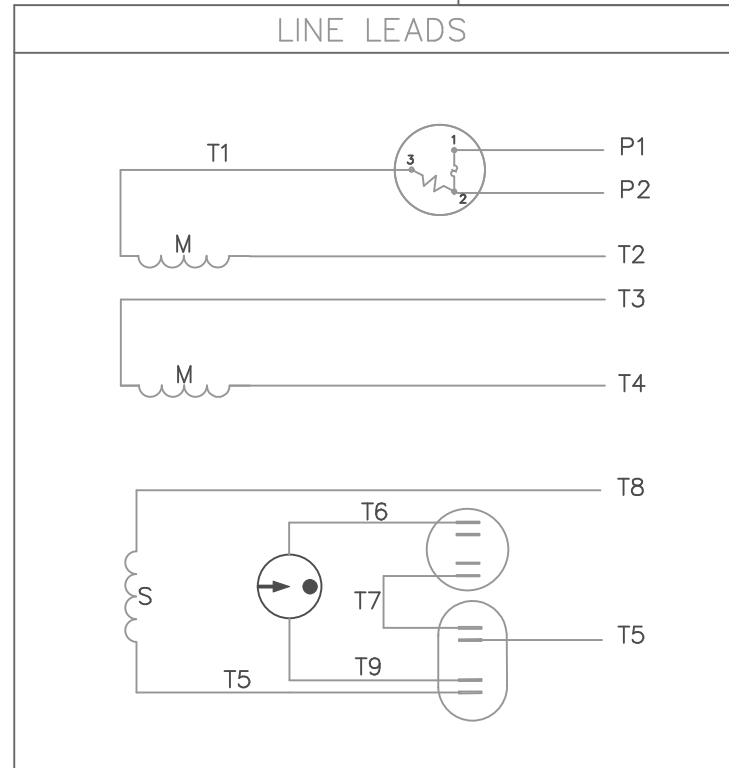
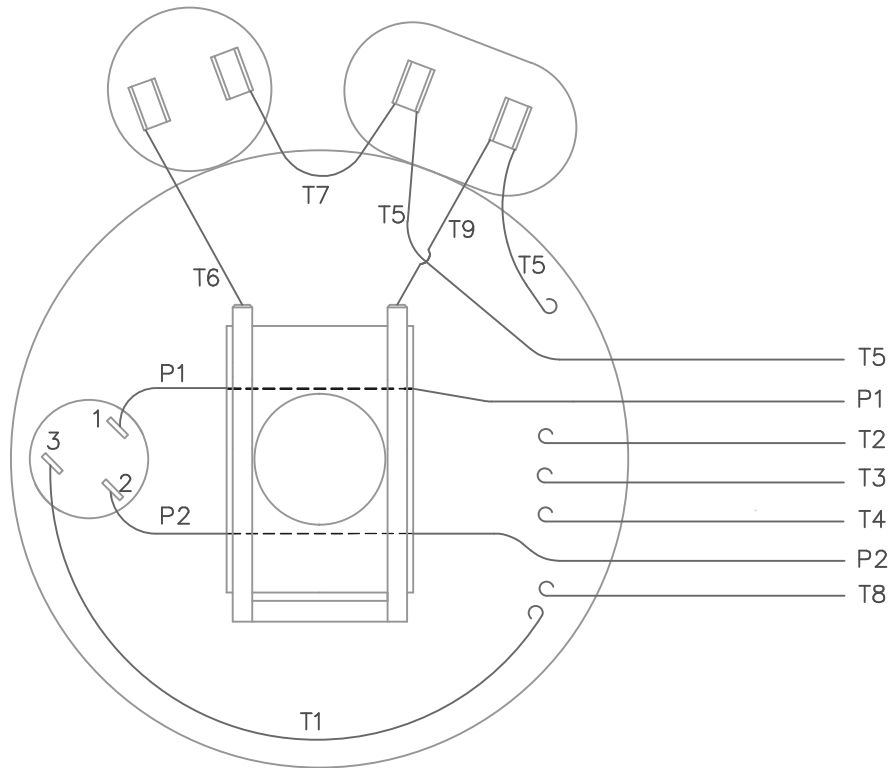
1/2-14 NPT  
(PLUGGED)  
DECAL  
CONNECTION  
UNDER COVER  
(WHEN REQ'D.)  
PROTECTOR  
WARNING LABEL  
ON OUTSIDE OF COVER

DASH NO.	"C"	"L"	"AD"	CAP. DASH	"X0"
500	10.82	4.70	3.47		
550	11.32	5.20	3.97		
600	11.82	5.70	4.47		
650	12.32	6.20	4.97		
700	12.82	6.70	5.47	A	1.00
750	13.32	7.20	5.97	B	1.45
800	13.82	7.70	6.47	C	1.67

ORACLE REV
002

		TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN LST 11/8/04				
		DEC.	INCHES			CHK RW 11/11/04	APPD KH 11/11/04			
		.X	±.1	TITLE OUTLINE 56H FRAME DRIP PROOF- RESILIENT BASE		SCALE 3=8	REF 032648			
		.XX	±.03							
		.XXX	±.005							
D	ADDED T-BOLT SHAFT END PER ECO-0175201	ARV	10/18/19	LT	.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	CAD FILE		028656	SIZE A	DRAWING NO. 028656	REV. D
				DIST						

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATELY
HIGH VOLT	C.C.W.	P1	T4 T5	T2,T3 T8	P2
	C.W.	P1	T4 T8	T2,T3 T5	P2
LOW VOLT	C.C.W.	P1	T2,T4 T5	P2,T3 T8	---
	C.W.	P1	T2,T4 T8	P2,T3 T5	---

TOLERANCES UNLESS OTHERWISE SPECIFIED	
DECIMALS	
.00	± .01
.000	± .005
.0000	± .0005
FRACTIONS	
	± 1/64
ANGLES	
	± 1/2°
INCH/MM	

**LEESON** ELECTRIC CORPORATION

DRAWN JRW 09/26/74 TITLE EXTERNAL WIRING DIAGRAM  
 CH'K'D. TYPE "K" W/PROTECTOR  
 APPR. TEM MAT'L. DECAL 004011 **BRF**  
 SCALE 1=1 REF. 005004 FINISH SIZE A DRAWING NO. 005053-01  
 FMF W-K 6341

18	REDRAWN ON CAD	DBT	05/27/97
NO.	REVISION	BY	DATE
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			



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

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** 005053.01  
**OUTLINE:** 028656-800B  
**WINDING #:** K634271 DR 3 I

**CATALOG #:** 113608.00  
**MOUNTING:** F1 ONLY

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1800	1725	56H	DP	H	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	18.4/9.2	ACROSS THE LINE	CONTINUOUS	B4	1.15	40

FULL LOAD EFF:	82	3/4 LOAD EFF:	74.7	1/2 LOAD EFF:	68.9	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	86	3/4 LOAD PF:	74.9	1/2 LOAD PF:	65.1	78.5	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
72 LB-IN	132.3 / 66.2	155 LB-IN 0 %	193 LB-IN 0 %	90

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.15 LB-FT^2	0 LB-FT^2	10 SEC.	0	45 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		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	AUTOMATIC	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	

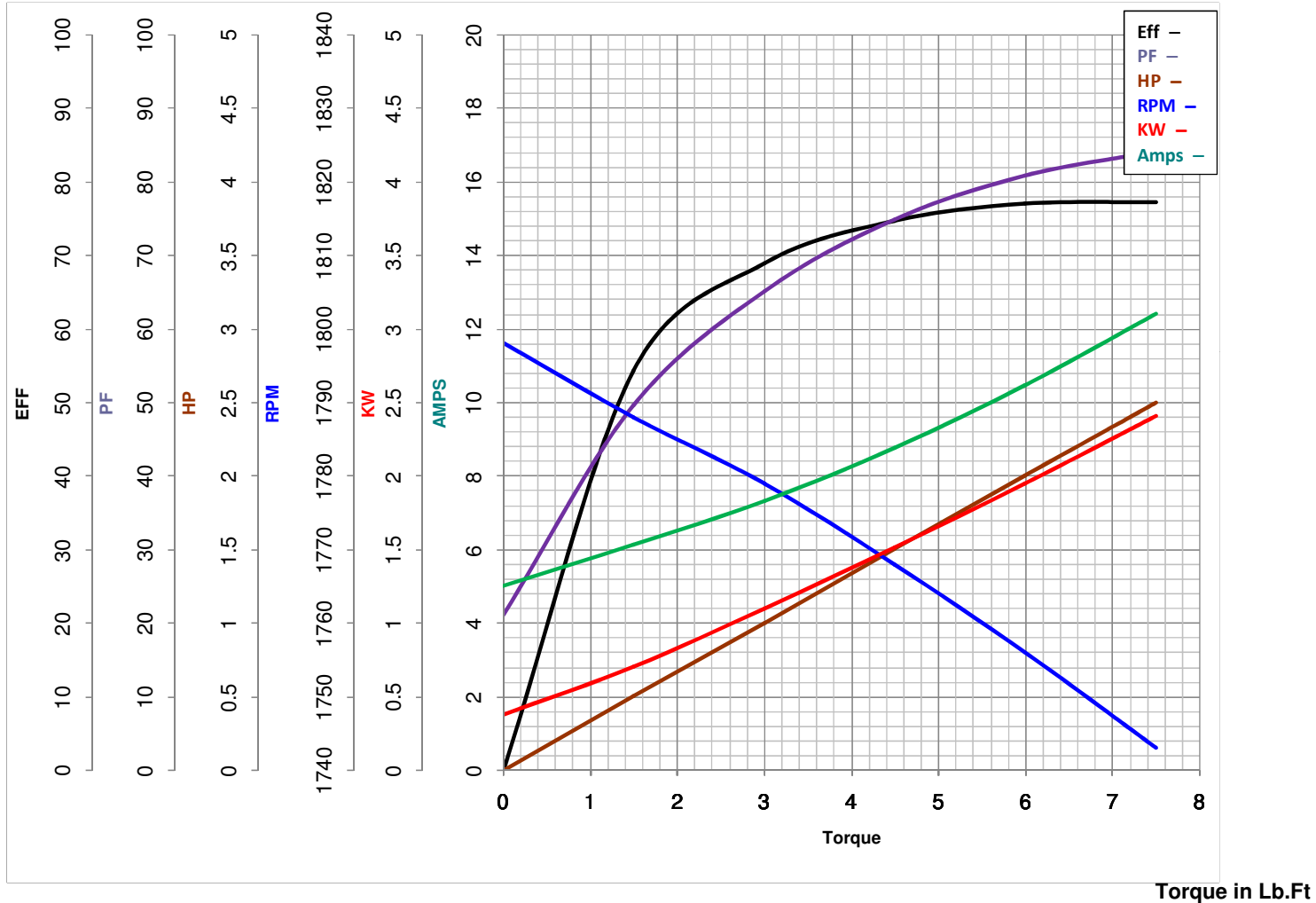


**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 113608.00

Catalog No 113608.00

Curve at 230 Volts      HP 2.00      PHASE 1  
60 HZ  
2 HP      VOLTS 115/208-230  
 HZ 60      RPM 1725



<b>FL TORQUE</b>	<u>6</u>	<b>Lb.Ft</b>	<b>FL AMPS</b>	<u>18.4/9.2</u>
<b>BD TORQUE</b>	<u>16.1</u>	<b>Lb.Ft</b>	<b>PU TORQUE</b>	<u>14.3</u> <b>Lb.Ft</b>
<b>LR TORQUE</b>	<u>12.92</u>	<b>Lb.Ft</b>	<b>LR AMPS</b>	<u>66.15</u>
<b>WINDING</b>	K634271-3		<b>Date</b>	<u>5/17/2018</u>