

PRODUCT INFORMATION PACKET



Model No: 114216.00
Catalog No: 114216.00
Power Tool Motor, 1 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 56Z Frame, DP

Operational at 115/208-230 V @60HZ



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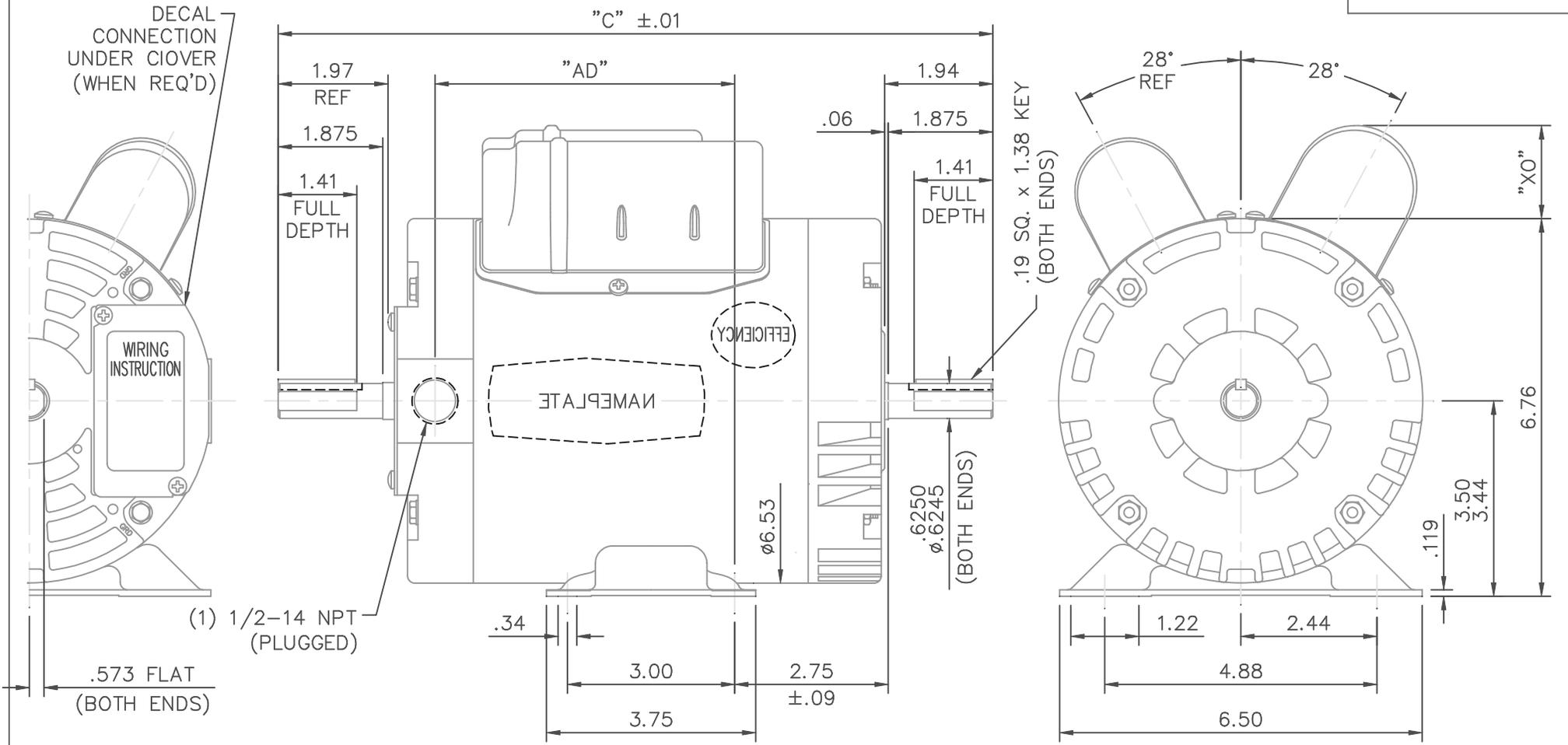
Nameplate Specifications

Phase	1	Output HP	1 Hp
Output KW	0.75 kW	Voltage	115/230 V
Speed	3450 rpm	Service Factor	1.25
Frame	56Z	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	70 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	12.0/6.0 A	Power Factor	76
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	J
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	1.92 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Special Extension Both Sides	Overall Length	12.81 in
Frame Length	6.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.87 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028604-600C	Connection Drawing	005278.01

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DASH NO.	"C"	"AD"	CAP. DASH	"X0"
500	11.81	4.37		
550	12.31	4.87	A	1.00
600	12.81	5.37	B	1.45
650	13.31	5.87	C	1.67

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

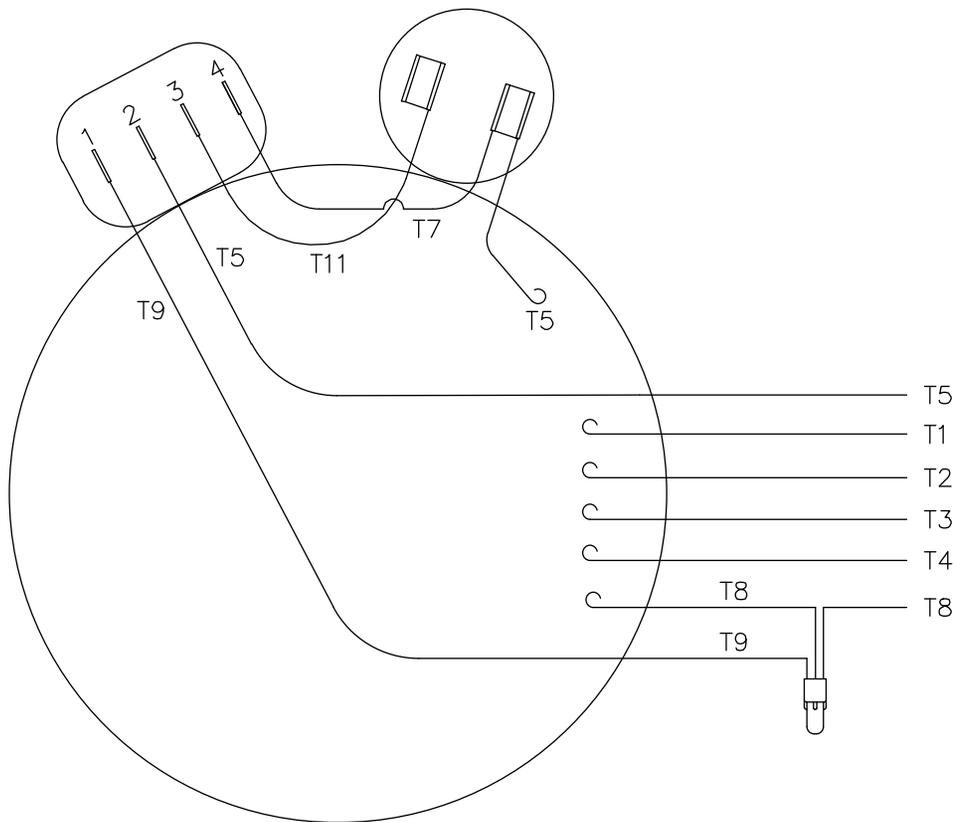
DRAWN	RDW 7/1/04
CHK	
APPD	SW 7/1/04
SCALE	3=8
REF	
FMF	
PREV	

TITLE	OUTLINE - 56Z FRAME DRIP PROOF - RIGID
MAT'L.	POWER TOOL
FINISH	

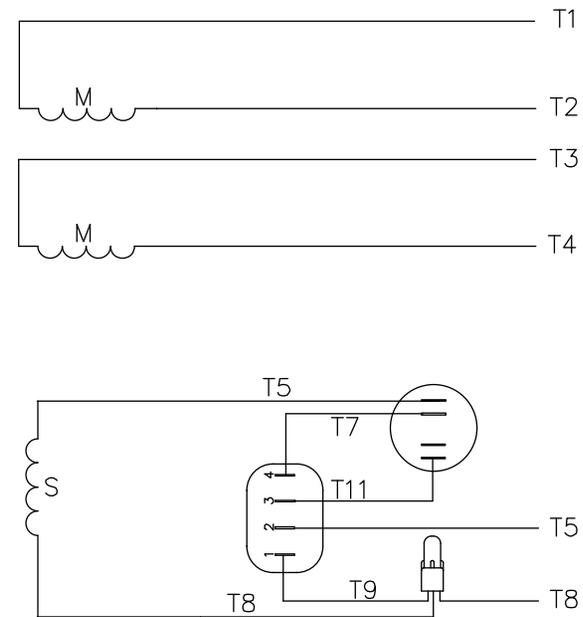
NO.	REVISION	BY & DATE	CHK

RFP	7/1/04	CAD FILE	028604	SIZE	DRAWING NO.	REV.
DIST	BRF-NLV			A	028604	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END



LINE LEADS



	ROTATION FACING LEAD END	L1	L2	JOIN & INSULATE
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	

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	
					DEC.	INCHES
					.X	±.1
					.XX	±.01
05	ADDED DECAL FOR STOCK MODELS ECR 0042509	GWS 9/10/13			.XXX	±.005
04	REDRAWN ON CAD	DBT 6/06/97			.XXXX	±.0005
					±1/2'	



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

DRAWN	PG 01/09/88
CHK	
APPD	DJW 01/16/88
SCALE	1=1
REF	005242
FMF	6C17WB1
PREV	

TITLE	EXTERNAL WIRING DIAGRAM TYPE "C" W/O PROTECTOR
MAT'L.	DECAL - 004012
FINISH STOCK MODELS TO USE DECAL	214-0122-001

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RFP	04/18/02
DIST	BRF

CAD FILE	00527801
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SIZE	DRAWING NO.	REV.
A	005278-01	05



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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005278.01
OUTLINE: 028604-600C
WINDING #: C632211 DR 3 C

CATALOG #: 114216.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1	0.75	3600	3450	56Z	DP	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	12/6.2-6	ACROSS THE LINE	CONTINUOUS	B4	1.25	40

FULL LOAD EFF:	70	3/4 LOAD EFF:	68.7	1/2 LOAD EFF:	63.5	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	76	3/4 LOAD PF:	69.4	1/2 LOAD PF:	58.3	66	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
1.5 LB-FT	68 / 34	5 LB-FT 333 %	4 LB-FT 267 %	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	0.047 LB-FT^2	0 LB-FT^2	10 SEC.	0	30 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL 6203	BALL 6203	POLYREX EM	DBL SPL EXT	0.625 X 1.88 SEK WITH .19 X .19 X 1.38 KEY WITH 5/16 TAP	0.625 X 1.88 SEK WITH .19 X .19 X 1.38 KEY	1144 STRESSPROOF (C- 223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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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



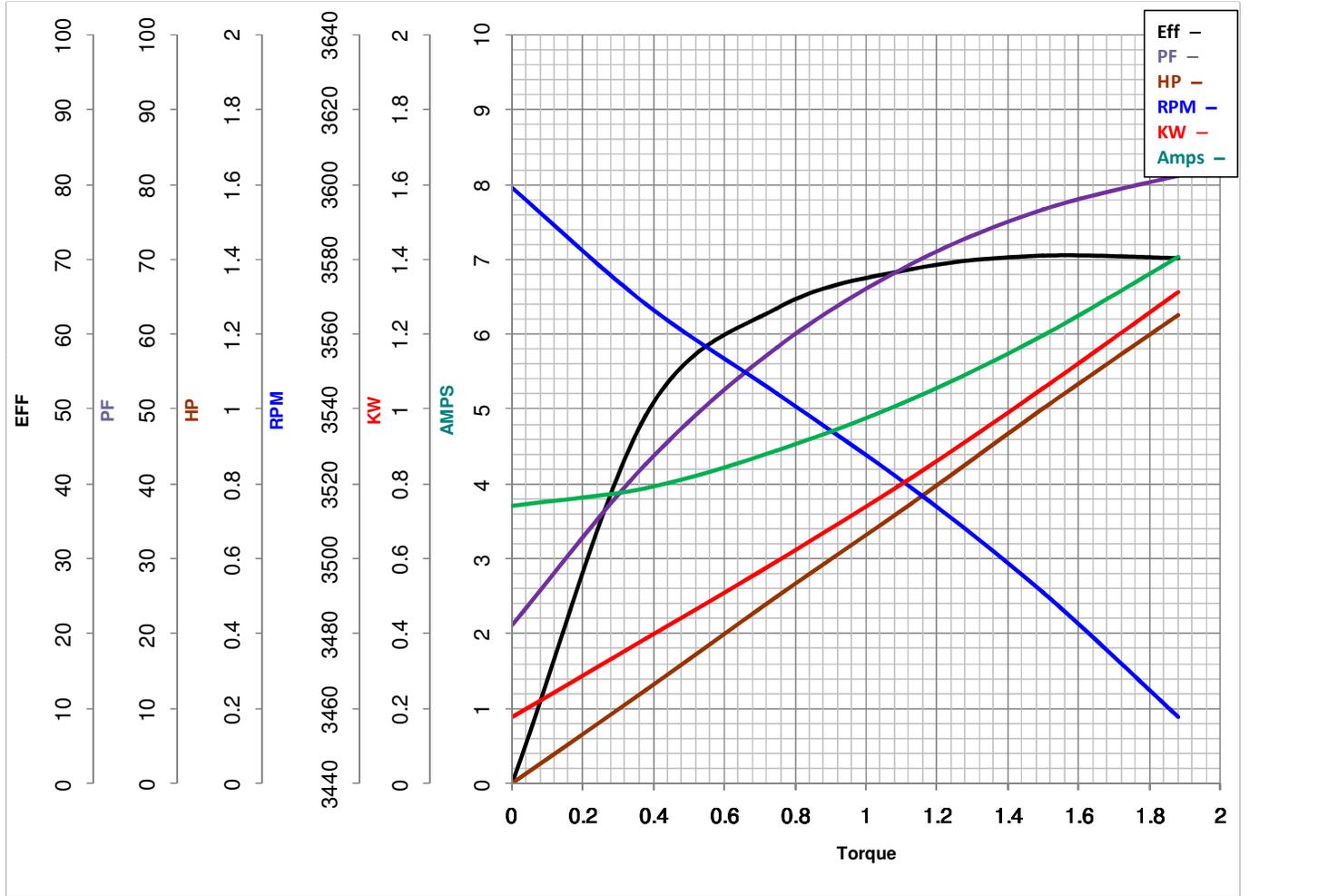
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 114216.00

Curve at 230 Volts HP 1.00 PHASE 1
60 HZ
1 HP VOLTS 115/208-230

Catalog No 114216.00

HZ 60 RPM 3450



Torque in Lb.Ft

FL TORQUE 1.5 Lb.Ft
 BD TORQUE 4.0 Lb.Ft
 LR TORQUE 5 Lb.Ft

FL AMPS 12/6.2-6
 PU TORQUE 3.8 Lb.Ft
 LR AMPS 34

WINDING C632211-3

Date 3/23/2018