

PRODUCT INFORMATION PACKET

Model No: 114214.00

Catalog No: 114214.00

Pressure Washer Motor, 1.50 HP, 1 Ph, 60 Hz, 115/208-230 V, 3600 RPM, 56C Frame, DP



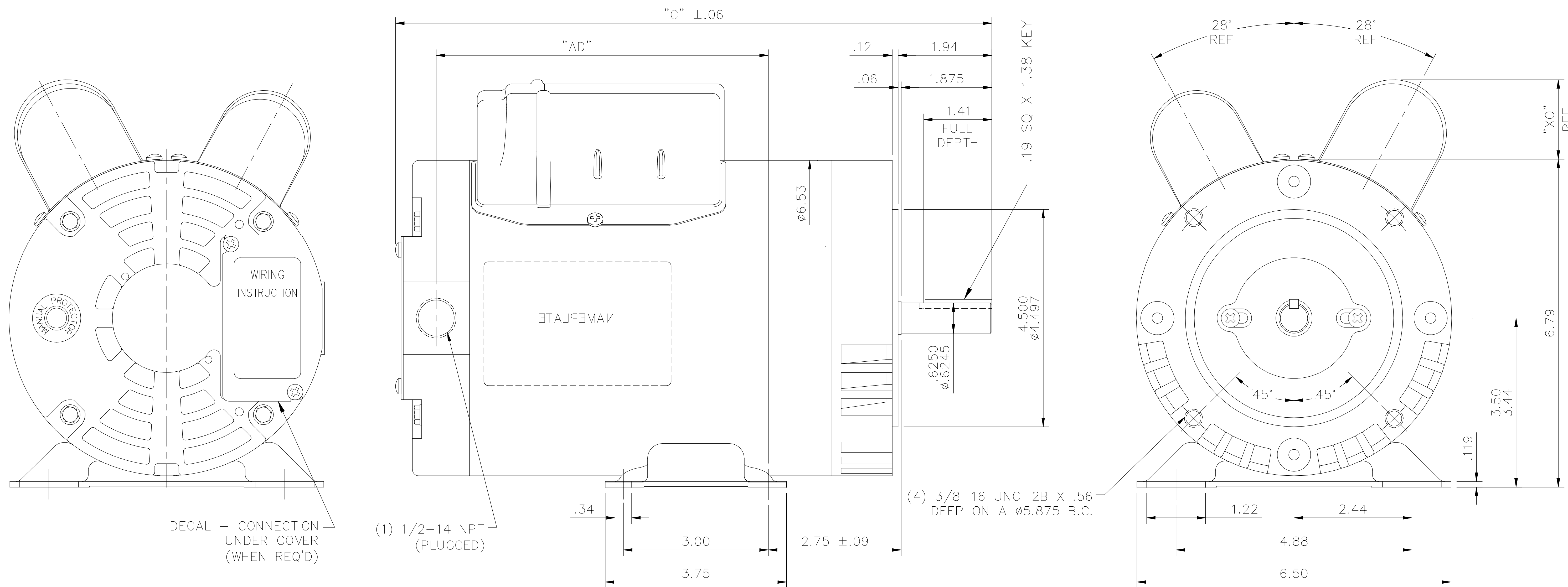
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Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	12.4/6.8-6.2 A	Speed	3450 rpm
Service Factor	1.15	Phase	1
Efficiency	82.5 %	Power Factor	96
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	H
Frame	56C	Enclosure	Drip Proof
Thermal Protection	Manual	Ambient Temperature	40 °C
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 Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	1.36 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.34 in
Frame Length	6.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028629-650B	Connection Drawing	005053.01



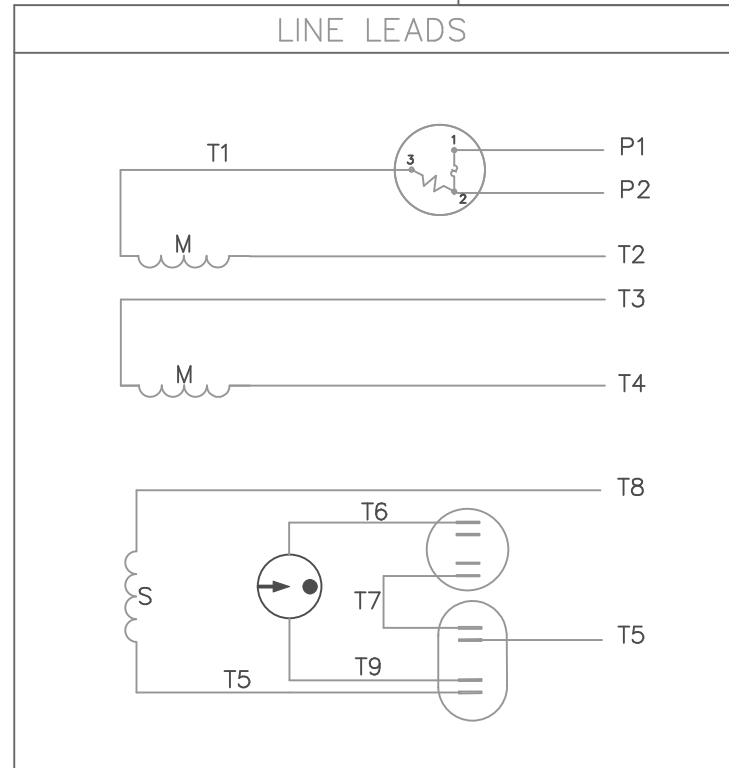
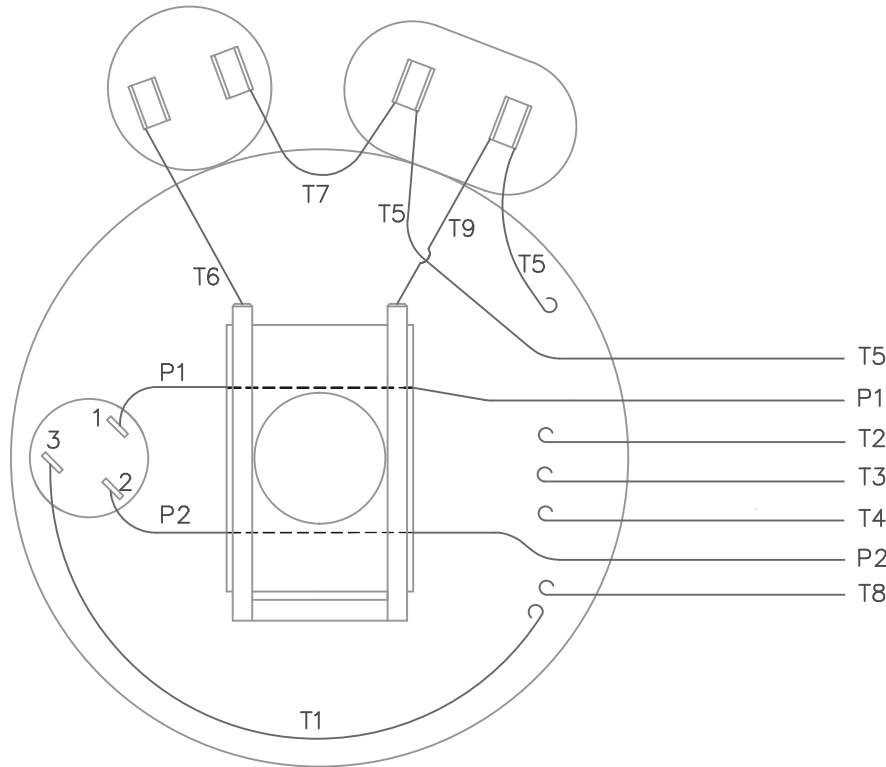
MAXIMUM FACE RUNOUT $.004$ T.I.R.
 MAXIMUM PILOT ECCENTRICITY $.004$ T.I.R.
 PERMISSIBLE SHAFT RUNOUT $.002$ T.I.R.

DASH NO.	"C"	"AD"	CAP. DASH	"XO"
650	11.34	6.32	A	1.08
700	11.84	6.82	B	1.42
750	12.34	7.32	C	1.69
800	12.84	7.82		
850	13.34	8.32		

NO.		REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RDW 9/30/04	
						DEC.		INCHES	CHK
02	ADDED MYLAR NAMEPLATE AS PER ECR-0151946	DS	04/23/18	SN	.XXX	± 0.005	TITLE	OUTLINE- 56 FRAME DRIP PROOF- RIGID "C"	SCALE 1=2
01	ADDED RUNOUT NOTES & TAPPED HOLE CALLOUT	RDW	10/19/05	SW	.XXXX	± 0.0005	MAT'L.	GENERAL PURPOSE	REF 032684
					$\pm 1/2'$		FINISH		FMF 113631
				RFP	9/30/04		CAD FILE	028629	PREV
				DIST			SIZE	DRAWING NO.	REV.
							B	028629	02

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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
18	REDRAWN ON CAD	DBT	05/27/97	.0000	± .0005
NO.	REVISION	BY	DATE	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

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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005053.01

CATALOG #: 114214.00

OUTLINE: 028629-650B

MOUNTING: F1 ONLY

WINDING #: K632140 DR 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	3600	3450	56C	DP	H	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	12.4/6.8-6.2	ACROSS THE LINE	CONTINUOUS	B4	1.15	40

FULL LOAD EFF:	82.5	3/4 LOAD EFF:	83.4	1/2 LOAD EFF:	79.8	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	96	3/4 LOAD PF:	95.2	1/2 LOAD PF:	93.5	80		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.25 LB-FT	90 / 45	4.9 LB-FT 218 %	6.9 LB-FT 307 %	32

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.063 LB-FT^2	0.1 LB-FT^2	0 SEC.	0	38 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	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	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	MANUAL	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



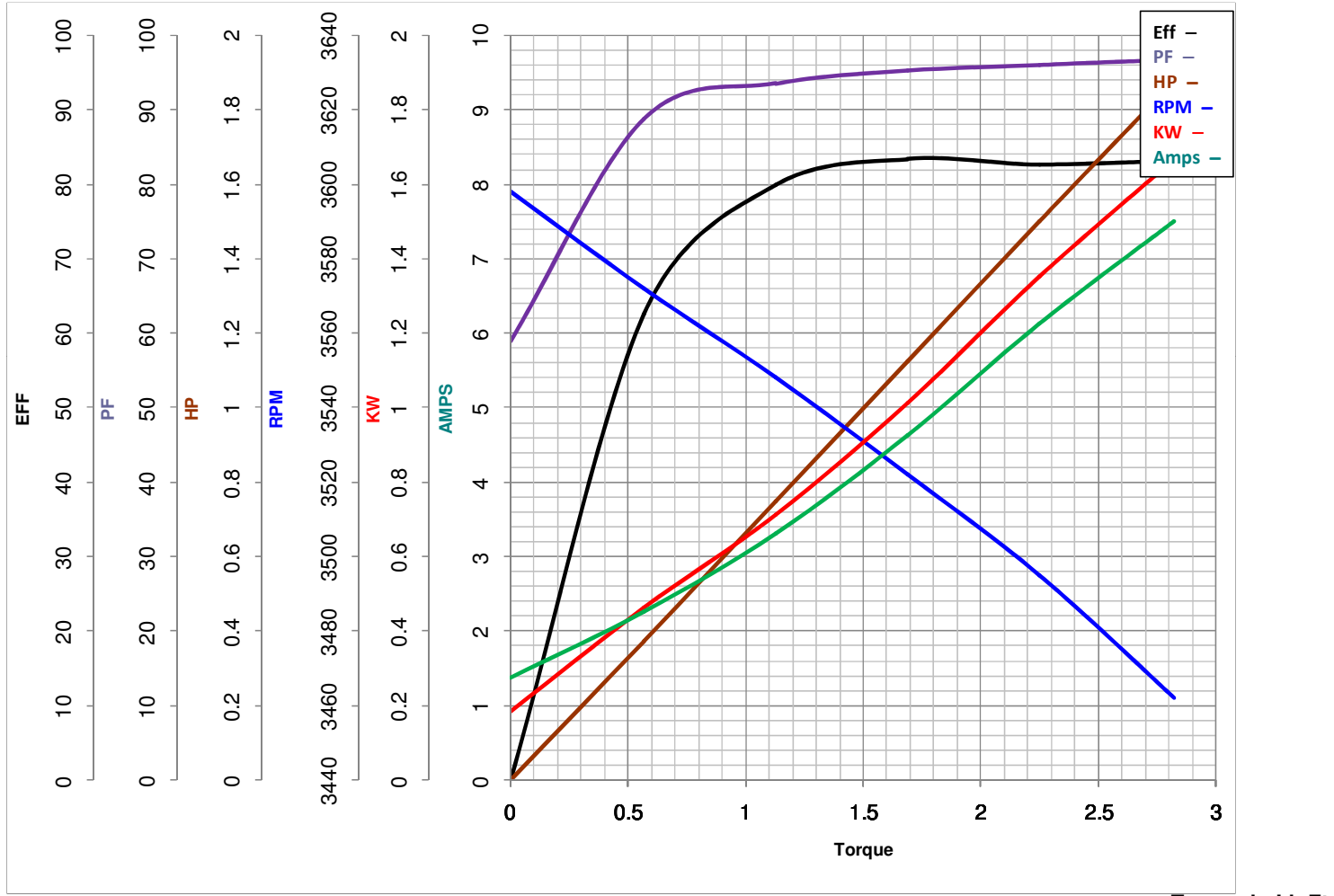
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 114214.00

Curve at 230 Volts HP 1.50 PHASE 1
60 HZ
1.5 HP VOLTS 115/208-230

Catalog No 114214.00

HZ 60 RPM 3450



Torque in Lb.Ft

FL TORQUE 2.25 Lb.Ft
 BD TORQUE 6.9 Lb.Ft
 LR TORQUE 4.9 Lb.Ft

FL AMPS 12.4/6.8-6.2
 PU TORQUE 4.8 Lb.Ft
 LR AMPS 45

WINDING K632140-3

Date 4/24/2018