

PRODUCT INFORMATION PACKET



Model No: 101782.00
Catalog No: 101782.00
0.75 HP Power Tools Motor, 1 phase, 3600 RPM, 115/208-230 V, 48Z Frame, ODP
Power Tool Motors



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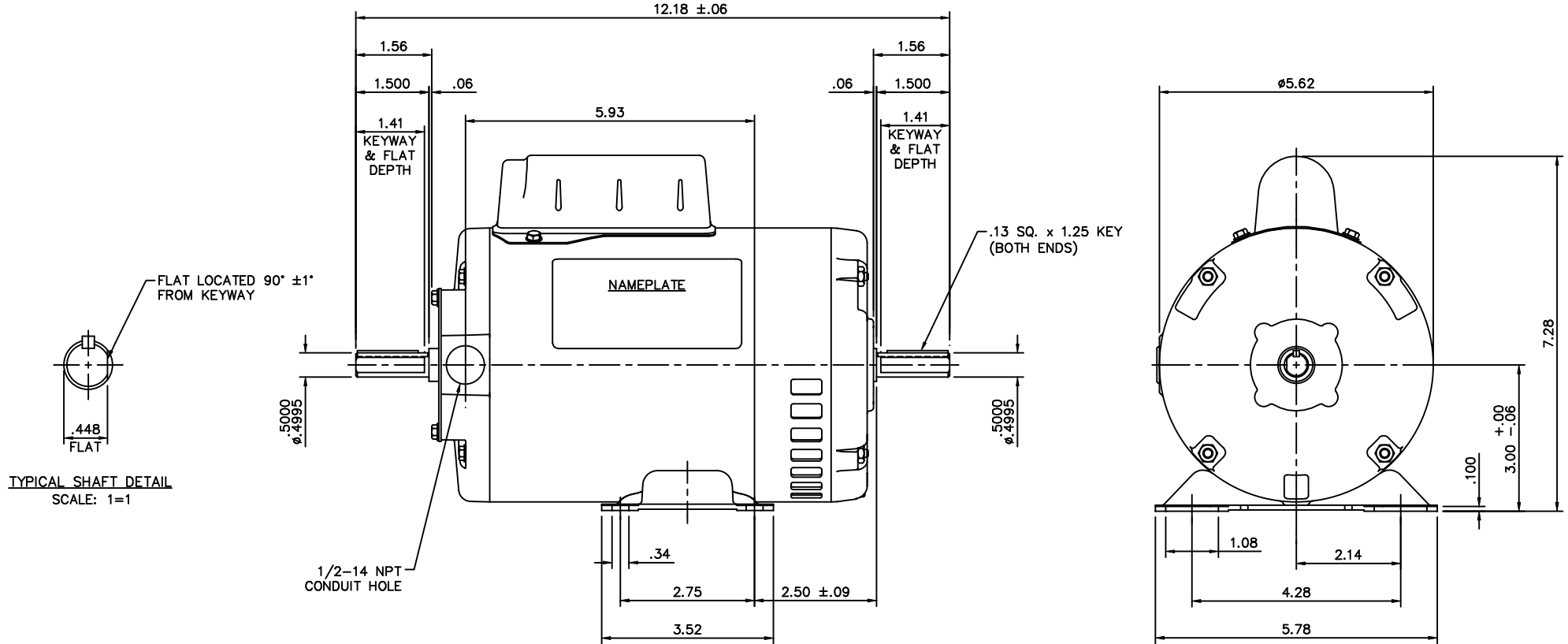
Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	9.8/4.8-4.9 A	Speed	3450 rpm
Service Factor	1.25	Phase	1
Efficiency	70 %	Power Factor	72
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	K
Frame	48Z	Enclosure	Drip Proof
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	No	CSA	Y
CE	N	IP Code	22

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	3.619 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	12.18 in
Frame Length	7.00 in	Shaft Diameter	0.500 in
Shaft Extension	1.5 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	OL101782	Connection Drawing	005278.12

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TYPICAL SHAFT DETAIL
SCALE: 1=1

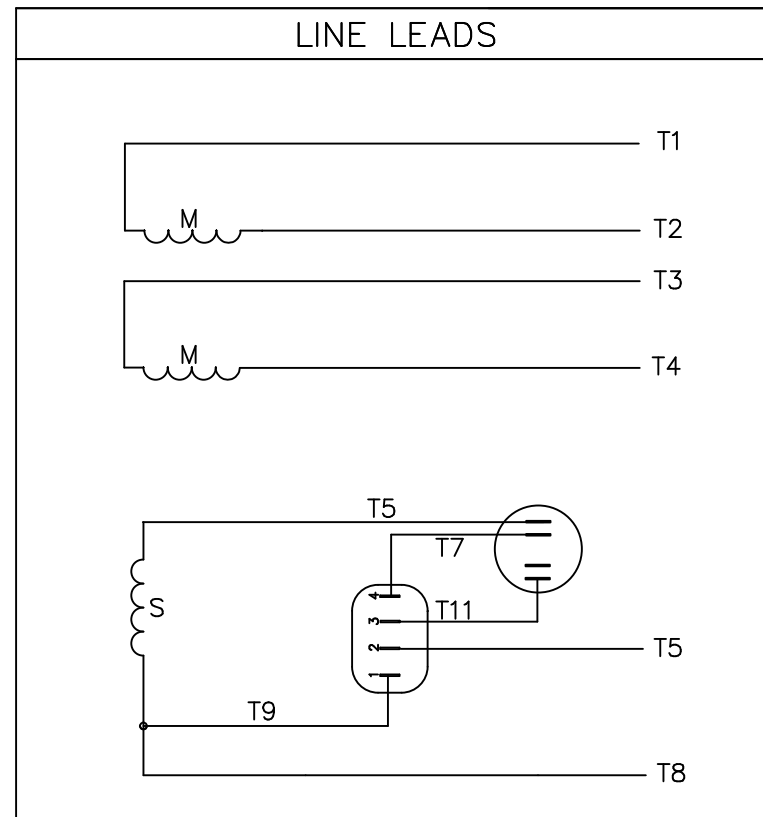
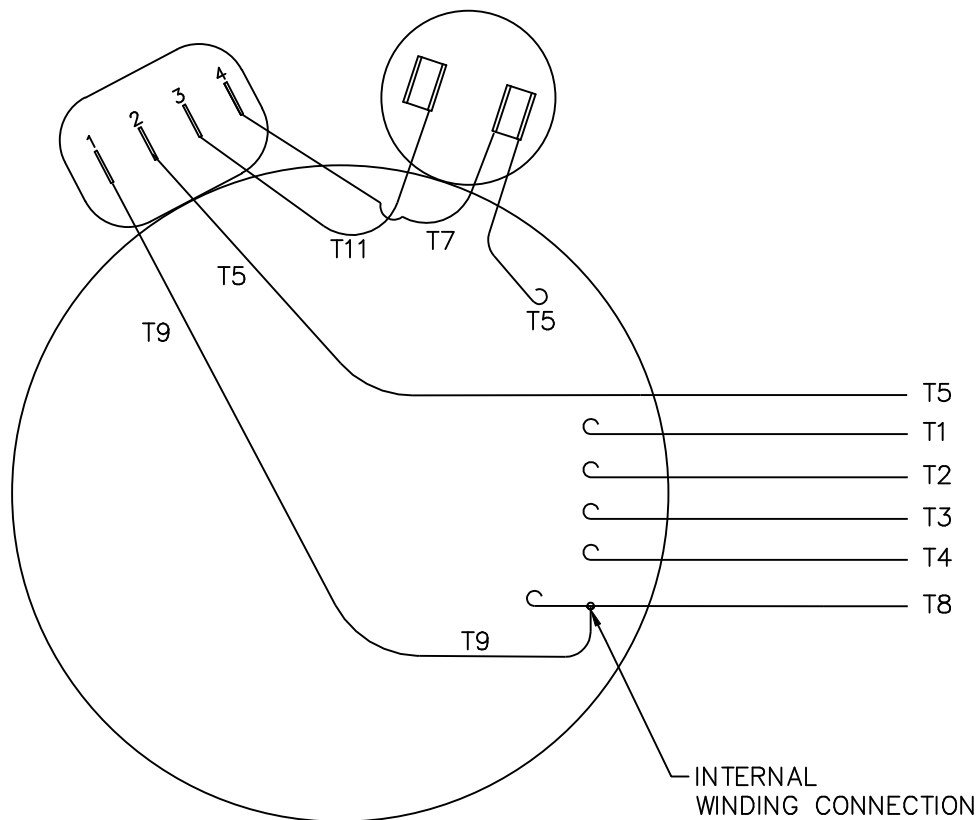
		TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	PG 7/25/02
		DEC.	INCHES			CHK	APPD
		.X	±.1				
		.XX	±.03	TITLE	OUTLINE - 48Z FRAME RIGID MOUNT - DRIP PROOF	SCALE	1=2
		.XXX	±.005			REF	030971
		.XXXX	±.0005	MAT'L	1 PHASE	FMF	101782.00
NO.	REVISION	BY & DATE	CHK	ANG	±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	OL101782
						SIZE	DRAWING NO.
						B	OL101782
						REV.	

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ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--
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STACK:
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-dictionary-  
/Pscript_WinNT_Compat  
-dictionary-
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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



	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	

				TOLERANCES UNLESS OTHERWISE SPECIFIED			LEESON ELECTRIC CORPORATION				
				DEC.	INCHES	METRIC					
				.X	±.1	±2.5	DRAWN	PG 6/28/01	TITLE		EXTERNAL WIRING DIAGRAM
				.XX	±.03	±.76	APPR.				TYPE "C" W/O PROTECTOR
01	REVISED TO CLARIFY T8 & T9 WINDING LEADS	PG 8/14/01		.XXX	±.005	±.127	R.F.P.		MAT'L.		DECAL - 004012
NO.	REVISION	BY & DATE	CH'K'D.	.XXXX	±.0005	±.0127	SCALE	1=1			
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				FRACTIONS	±1/64		REF.	005278-01	FINISH	REV.	DRAWING NO.
				ANGLES	±1/2'		FMF	101781		01	005278-12



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005278.12

CATALOG #: 101782.00

OUTLINE: 01101782

MOUNTING: F1 ONLY

WINDING #: CE482237 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4	0.56	3600	3450	48Z	DP	K	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	9.8/4.8-4.9	ACROSS THE LINE	CONTINUOUS	B3	1.25	40

FULL LOAD EFF:	70	3/4 LOAD EFF:	67.3	1/2 LOAD EFF:	60.4	GTD. EFF	66	ELEC. TYPE
FULL LOAD PF:	72	3/4 LOAD PF:	63	1/2 LOAD PF:	51.7	CAP START	IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C		
18 OZ-FT	114.4 / 57.2	39.3 OZ-FT	218 %	48.5 OZ-FT	269 %	38.6

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 DBA	10 DBA	-1 LB-FT^2	0 LB-FT^2	10 SEC.	0	28 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	BALL	MULTEMP	DBL SPL EXT	0.500 x 1.50 IN SEF WITH 1.38 IN FULL FLAT	0.500 x 1.50 IN SEF WITH 1.38 IN FULL FLAT	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203	SRL					

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

*

INVERTER TORQUE: NONE
 INV. HP SPEED RANGE: NONE

ENCODER:	NONE
	NONE
	NONE
	PPR

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

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LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

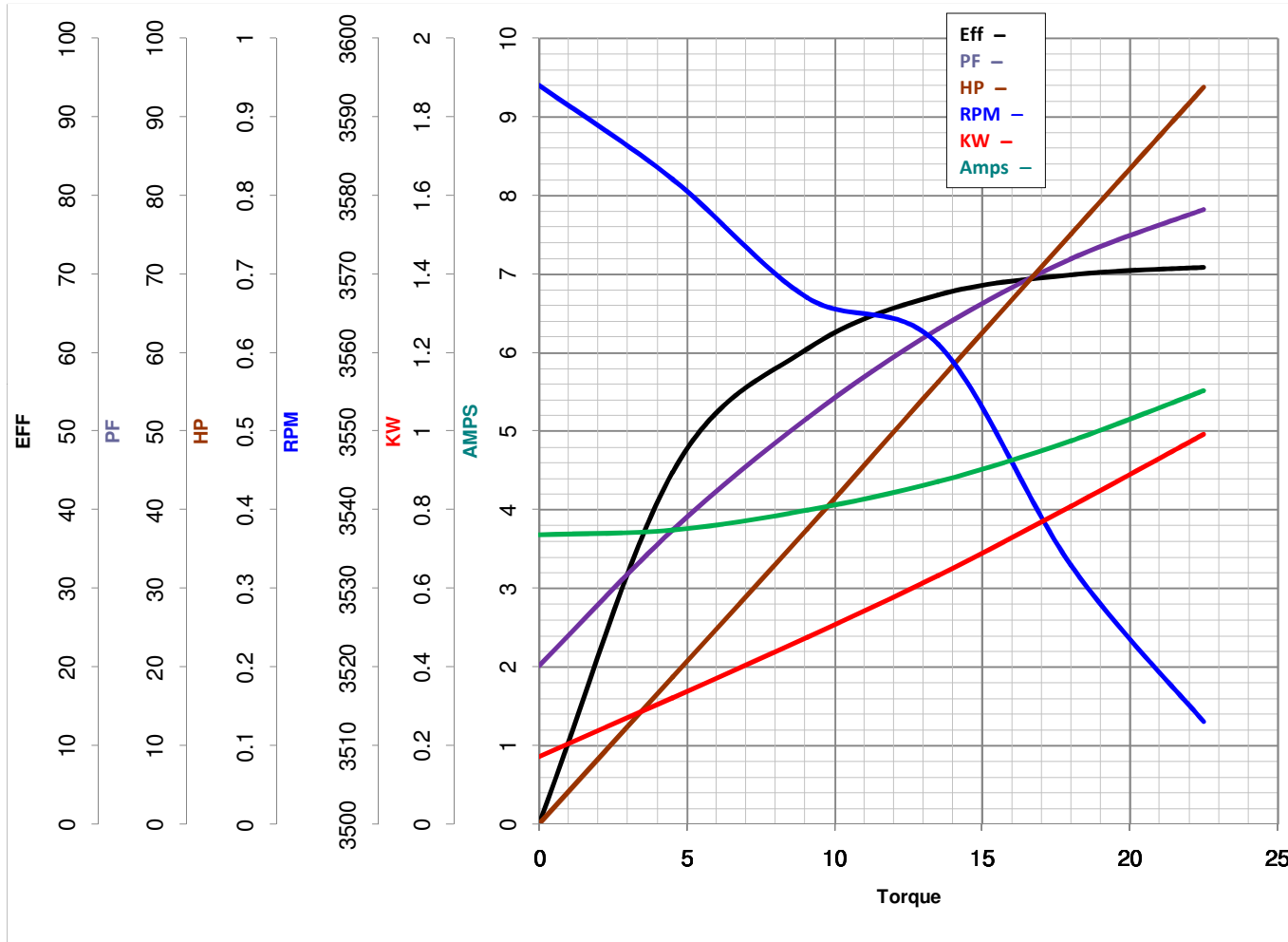
Curve at 230 Volts HP 0.76 PHASE 1
60 HZ
0.75 HP VOLTS 115/208-230

Model No 101782.00

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HZ 60

RPM 3450



Torque in Oz.Ft

FL TORQUE 18 Oz.Ft
 BD TORQUE 48.5 Oz.Ft
 LR TORQUE 39.3 Oz.Ft

FL AMPS 9.8/4.8-4.9
 PU TORQUE 38.9 Oz.Ft
 LR AMPS 57.2

WINDING CE482237-3

Date 3/22/2018