

# PRODUCT INFORMATION PACKET



Model No: 131571.00

Catalog No: 131571.00

White Duck™ General Purpose Motor, 2 HP, 1 Ph, 60 Hz, 115/208-230 V, 1800 RPM, 182T Frame, TEFC



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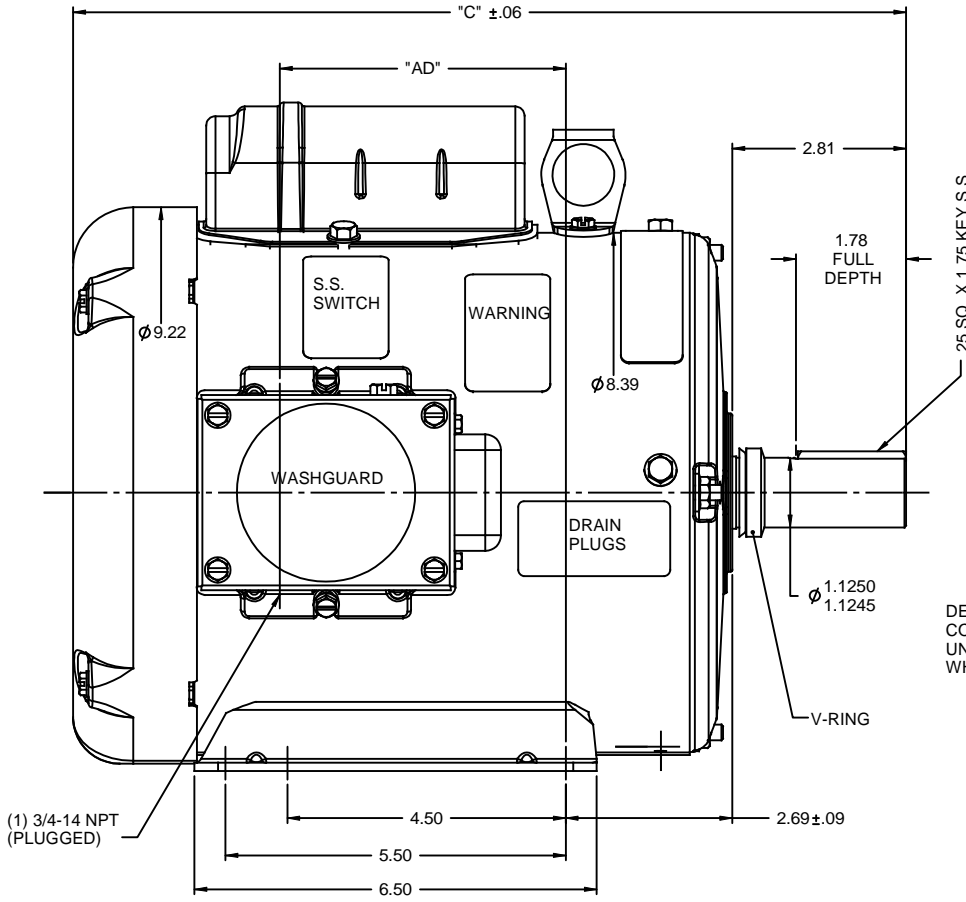
### Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	25.2/12.6 A	Speed	1740 rpm
Service Factor	1.15	Phase	1
Efficiency	71 %	Power Factor	72
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	K
Frame	182T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	N	IP Code	55
Number of Speeds	1		

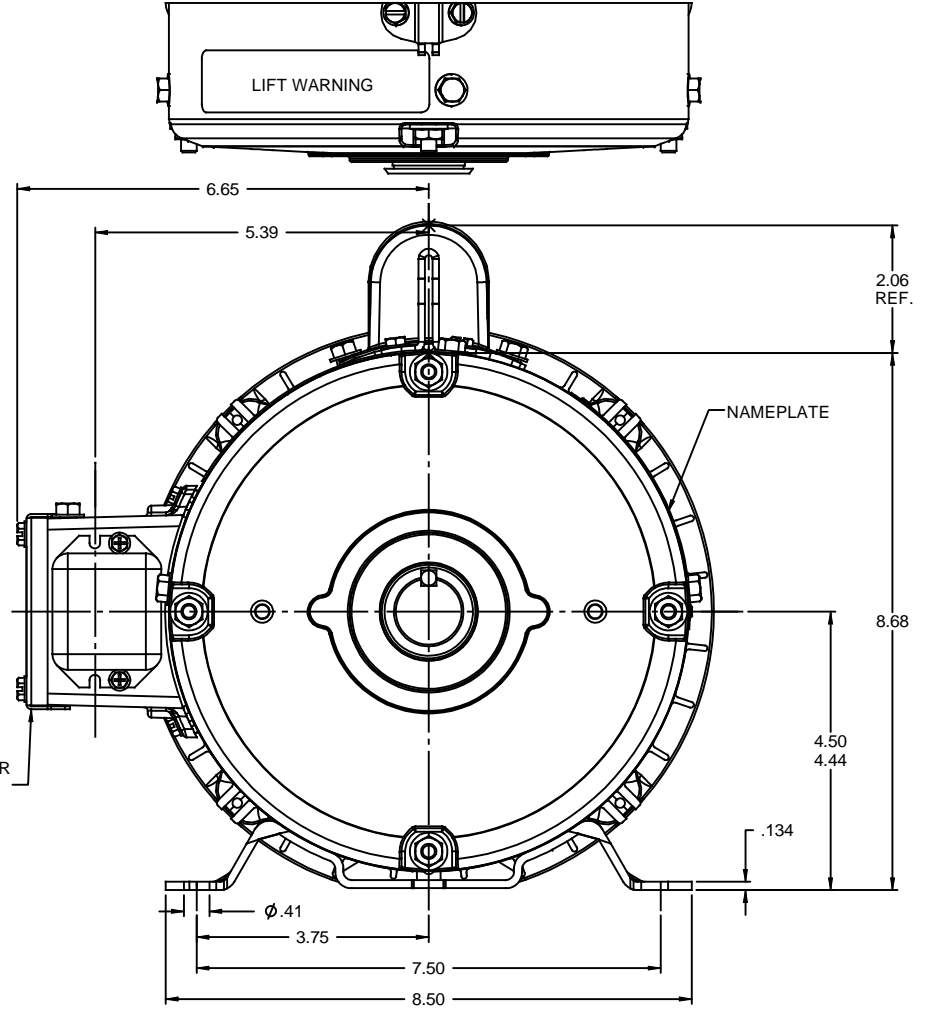
### Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.86 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	13.46 in
Frame Length	8.00 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005278.07	Outline Drawing	035460-800

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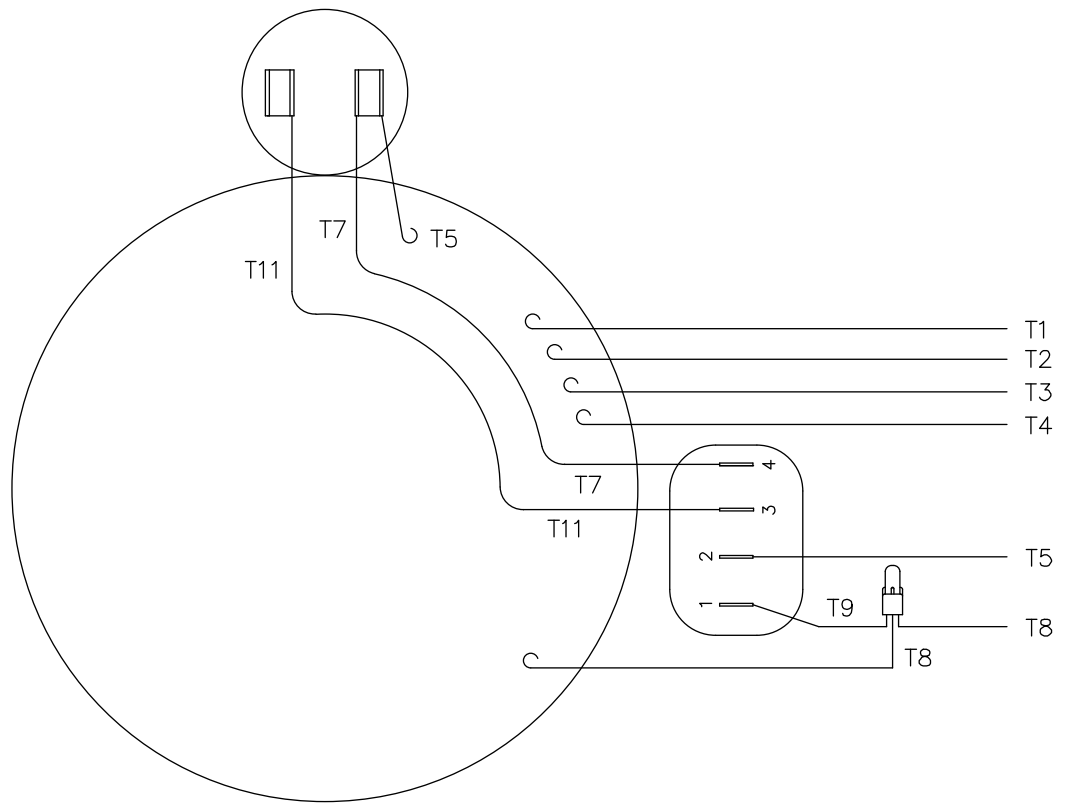
.25 SQ. X 1.75 KEY S.S.  
 DECAL CONNECTION UNDER COVER WHEN REQD.



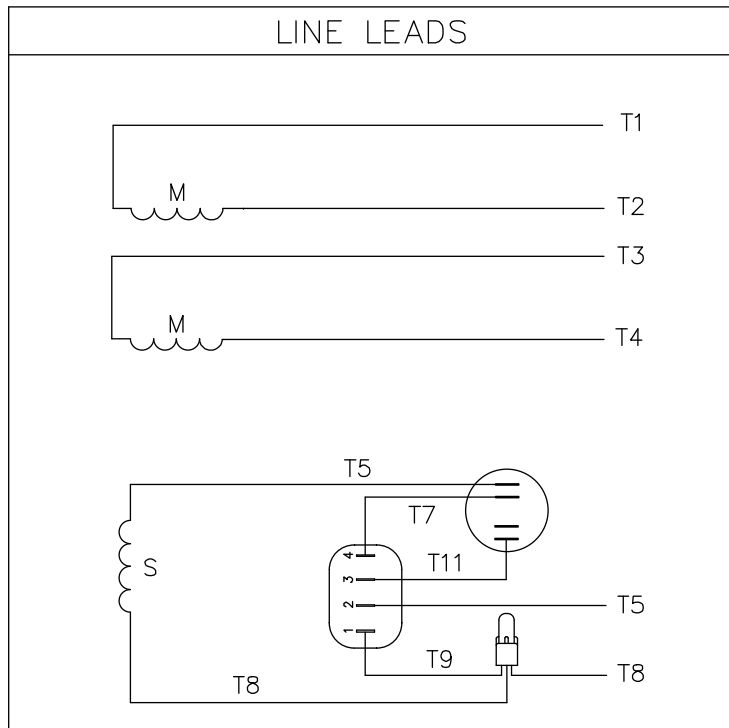
**SPECIAL FEATURES:**  
 SHAFT SEAL & V-RINGS  
 DRAIN HOLES IN FRAME & CONDUIT BOX  
 GASKETS THROUGHOUT  
 STAINLESS STEEL SHAFT, HARDWARE &  
 NAMEPLATE

DASH NO.	"C"	"AD"
800	13.46	4.62
850	13.96	5.12
900	14.46	5.62
950	14.96	6.12
1000	15.46	6.62
1050	15.96	7.12
1100	16.46	7.62
1150	16.96	8.12

		TOLERANCES UNLESS SPECIFIED		DRAWN RDW 2/18/03	
		DEC INCHES		CHK	
		X ±1		APPR SW 2/18/03	
		XX ±0.03		SCALE 1:2	
		XXX ±0.005		REF OL131571	
- UPDATED & REDRAWN ON SOLIDWORKS		LST 11/30/2009		MATL WASHGUARD	
NO		REVISION		PAGE OF	
		BY & DATE		FINISH	
		CHK ANG ±1/2"		PREV	
		RFP		SIZE DRAWING NO	
		THIRD ANGLE PROJECTION		B 035460	
		NETWORK FILE NAME		REV	
				-	



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		<b>LEESON</b> ELECTRIC CORPORATION						
				DECIMALS								
				.00	± .01	DRAWN	RISK 07/21/98			TITLE	EXTERNAL WIRING DIAGRAM	
				.000	± .005	CH'K'D.				TYPE "C" W/O PROTECTOR		
01	ADDED DECAL FOR STOCK MOTORS ECR 0042509	GWS	9/10/13	.0000	± .0005	APPR.				MAT'L.	DECAL - 004012	
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64	SCALE	1=1			STOCK MOTORS TO USE DECAL 214-0122-001		
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				ANGLES	± 1/2*	REF.	005278-01			FINISH	SIZE	DRAWING NO.
				INCH/MM		FMF	131571			STANDARD	A	005278-07



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

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** 005278.07

**CATALOG #:** 131571.00

**OUTLINE:** 035460-800

**MOUNTING:** F1 ONLY

**WINDING #:** C8420 FR 3 A

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1800	1740	182T	TEFC	K	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	25.2/12.6	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	71	3/4 LOAD EFF:	68.5	1/2 LOAD EFF:	61.2	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	72	3/4 LOAD PF:	63.4	1/2 LOAD PF:	52.5	66	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6 LB-FT	136 / 68	13.6 LB-FT 227 %	15 LB-FT 250 %	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.306 LB-FT^2	0.3 LB-FT^2	0 SEC.	0	63 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	WHITE - LEESON (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL
6207	6205						

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



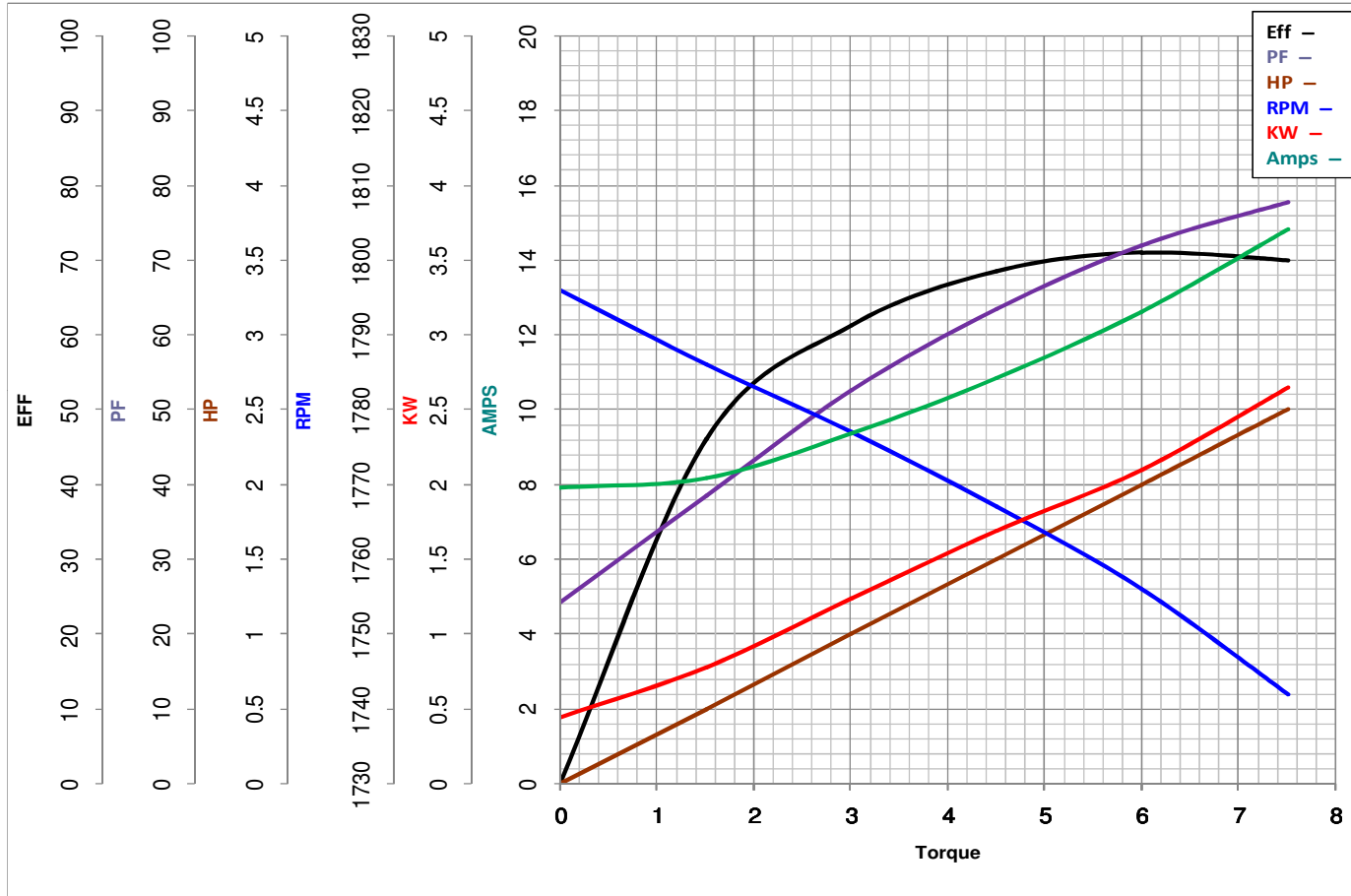
**LEESON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 131571.00

Catalog No 131571.00

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

HZ 60 RPM 1740



Torque in Lb.Ft

FL TORQUE 6 Lb.Ft  
BD TORQUE 15.0 Lb.Ft  
LR TORQUE 13.6 Lb.Ft

FL AMPS 25.2/12.6  
PU TORQUE 13.3 Lb.Ft  
LR AMPS 68

WINDING C8420-3

Date 3/13/2019