

# PRODUCT INFORMATION PACKET



Model No: 112431.00

Catalog No: 112431.00

White Duck™ General Purpose Motor, 0.50 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 56 Frame, TEFC

Operational at 115/208-230 V @60HZ



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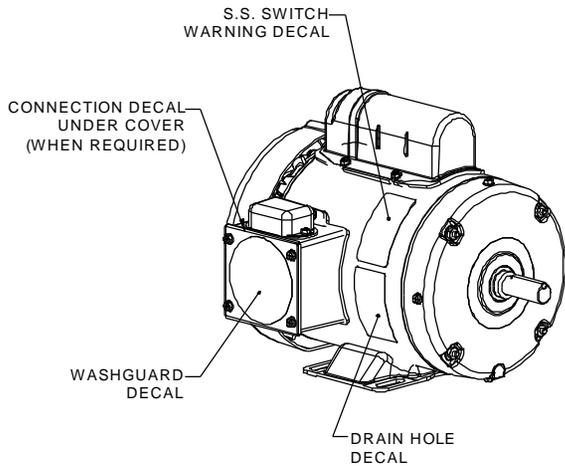
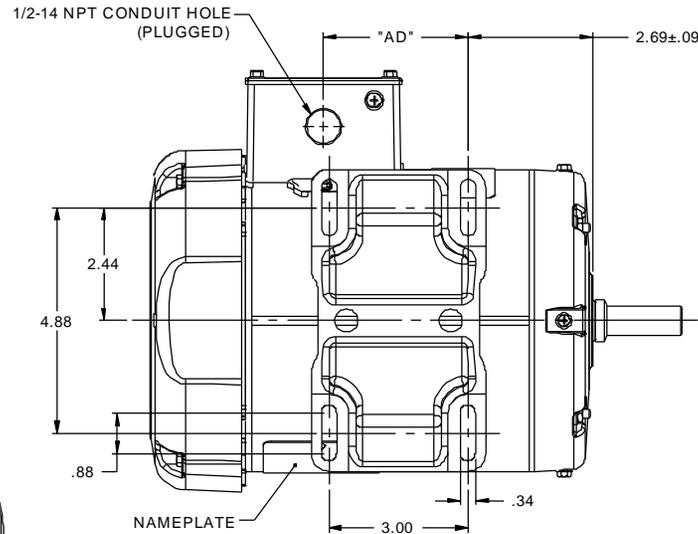
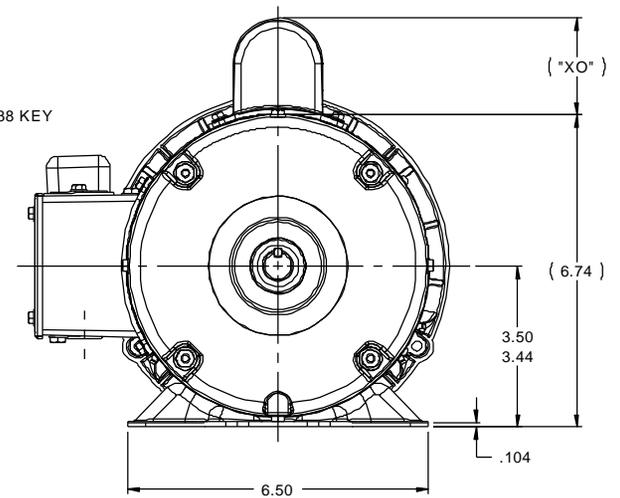
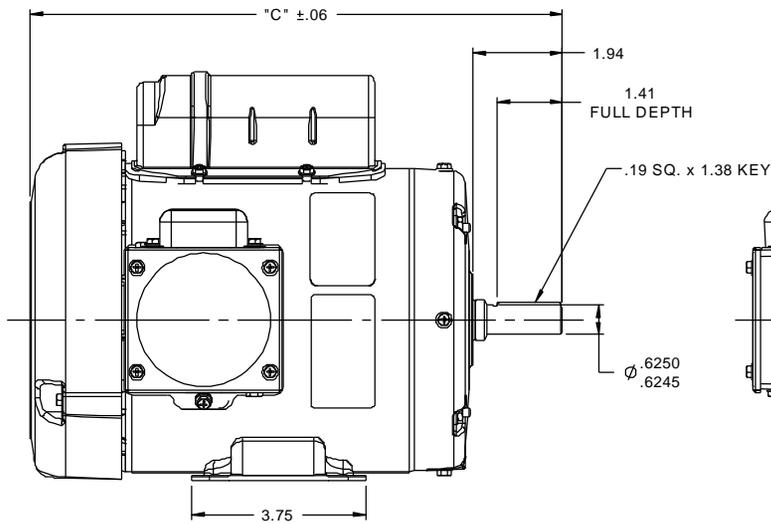
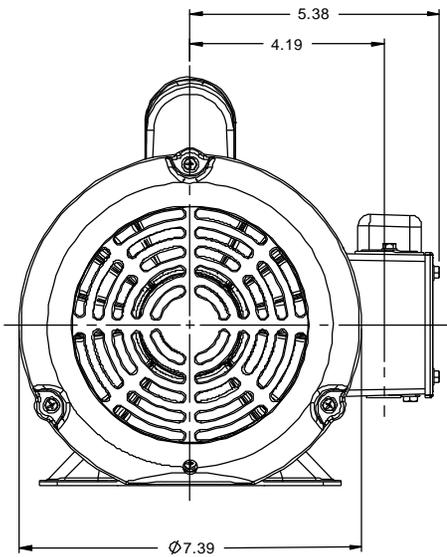


### Nameplate Specifications

Phase	1	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.15
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	66 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	8.8/4.4 A	Power Factor	58
Duty	Continuous	Insulation Class	F
Design Code	N	KVA Code	L
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
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	3.4 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	10.50 in
Frame Length	5.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005278.07	Outline Drawing	607-0011-500A



### WASHGUARD MOTOR

- SPECIAL FEATURES:
1. SHAFT SEALS & V-RING.
  2. PLUGGED DRAIN HOLES IN ENDBELLS & CONDUIT BOX.
  3. BUNA-N GASKETS THROUGHOUT.
  4. STAINLESS STEEL SHAFT, HARDWARE & NAMEPLATE.
  5. SOLID STATE SWITCH MOUNTED TO CONDUIT BOX.

DASH NO.	"C"	"AD"	"XO"
450A	10.00	1.63	2.00
475A	10.25	1.88	2.00
500A	10.50	2.13	2.00
525A	10.75	2.38	2.00
550A	11.00	2.63	2.00
575A	11.25	2.88	2.00
600A	11.50	3.13	2.00
625A	11.75	3.38	2.00
650A	12.00	3.63	2.00

DASH NO.	"C"	"AD"	"XO"
450B	10.00	1.63	2.25
475B	10.25	1.88	2.25
500B	10.50	2.13	2.25
525B	10.75	2.38	2.25
550B	11.00	2.63	2.25
575B	11.25	2.88	2.25
600B	11.50	3.13	2.25
625B	11.75	3.38	2.25
650B	12.00	3.63	2.25

TOLERANCES UNLESS SPECIFIED	
DEC	INCHES
X	±.1
XX	±.03
XXX	±.005
XXXX	±.0005
NO	REVISION
BY & DATE	CHK LANG ±1/2°
RFP	PREV
THIRD ANGLE PROJECTION	

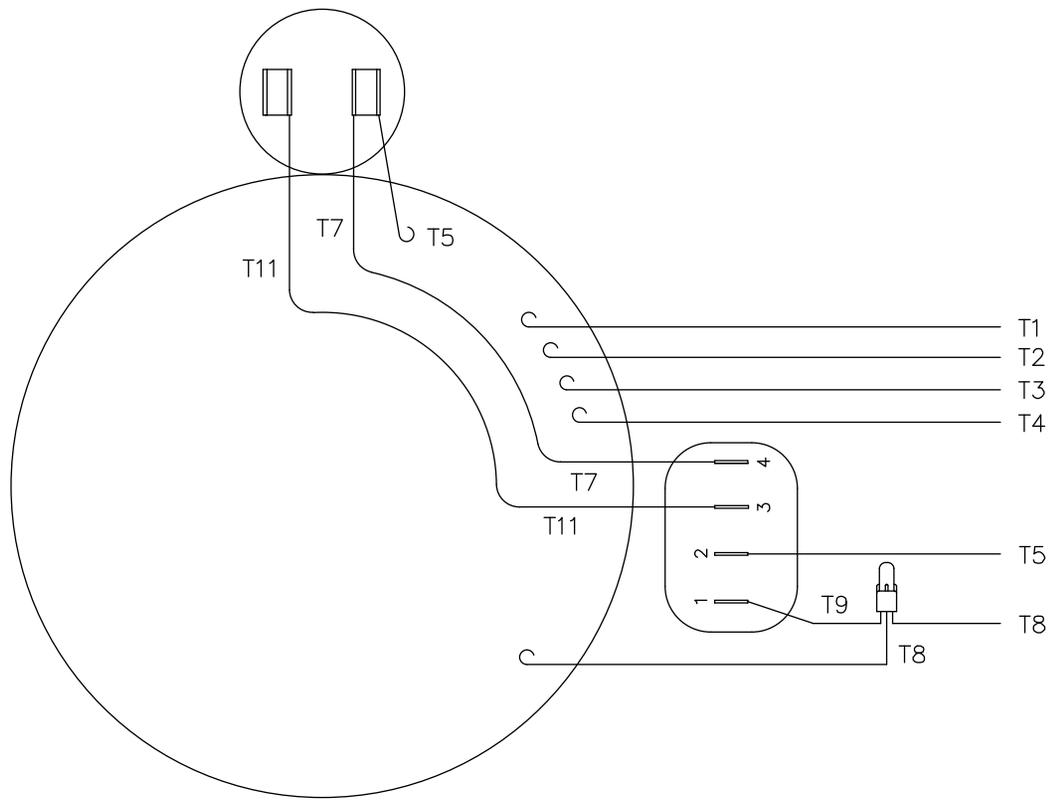
**LEESON** ELECTRIC MOTORS GEARMOTORS AND DRIVES

DRAWN PG 02/10/11  
CHK  
APPR  
SCALE 3:8  
REF 028880  
FMF 112431.00  
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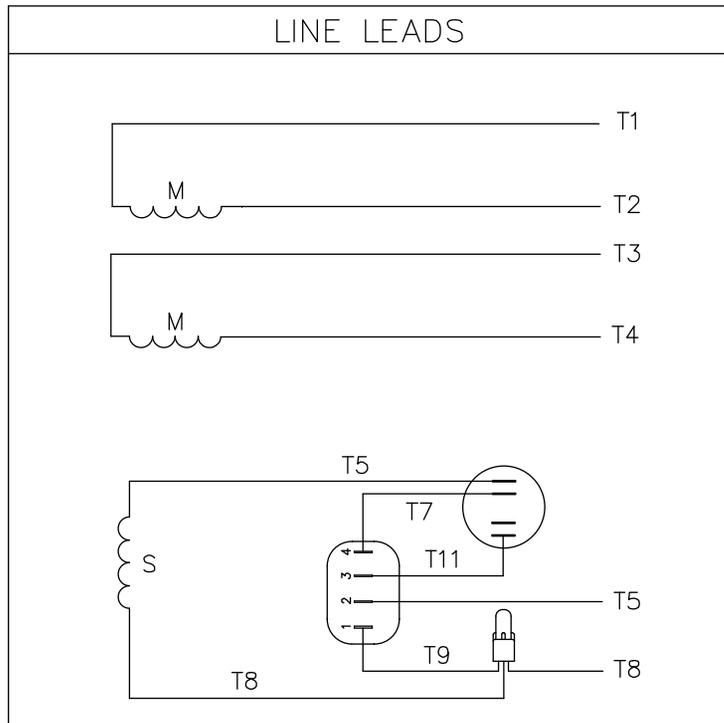
TITLE OUTLINE - 56 FRAME  
TEFC - RIGID  
MAT'L WASHGUARD  
FINISH

SIZE **B** DRAWING NO **607-0011** REV

NETWORK FILE NAME 607-0011



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	TITLE			
				.000	± .005	CH'K'D.	EXTERNAL WIRING DIAGRAM 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	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



**CERTIFICATION DATA SHEET**

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

**CONN. DIAGRAM:** 005278.07

**CATALOG #:** 112431.00

**OUTLINE:** 607-0011-500A

**MOUNTING:** F1 ONLY

**WINDING #:** C634257 FR 3 B

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	1800	1725	56	TEFC	L	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	8.8/4.4	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	66	3/4 LOAD EFF:	59.3	1/2 LOAD EFF:	50.7	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	58	3/4 LOAD PF:	51.7	1/2 LOAD PF:	42.9	62	CAP START IND RUN		

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24 OZ-FT	40.6 / 20.3	86.4 OZ-FT 357 %	67.3 OZ-FT 272 %	84

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
52 dBA	62 dBA	0.06 LB-FT^2	0 LB-FT^2	10 SEC.	0	27 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	STANDARD 56	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL
6205	6203						

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

