

PRODUCT INFORMATION PACKET



Model No: 113584.00

Catalog No: 113584.00

White Duck™ General Purpose Motor, 1.50 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 56C Frame, TEFC

Operational at 115/208-230 V @60HZ



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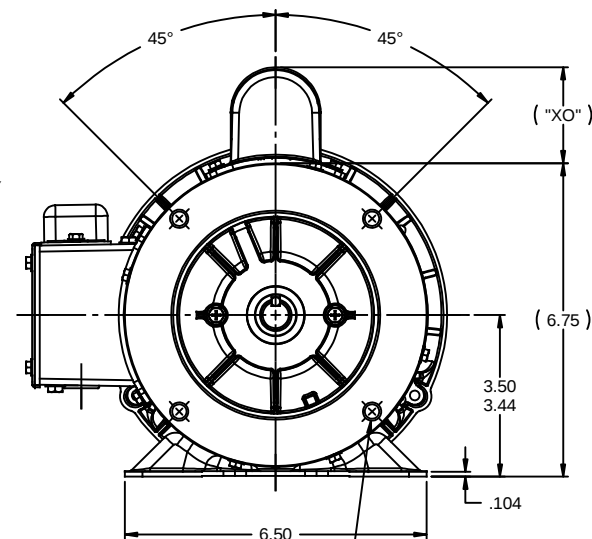
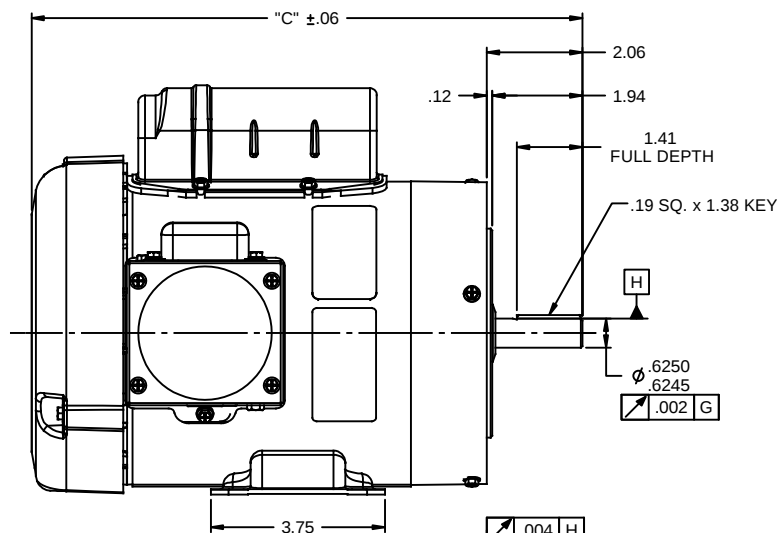
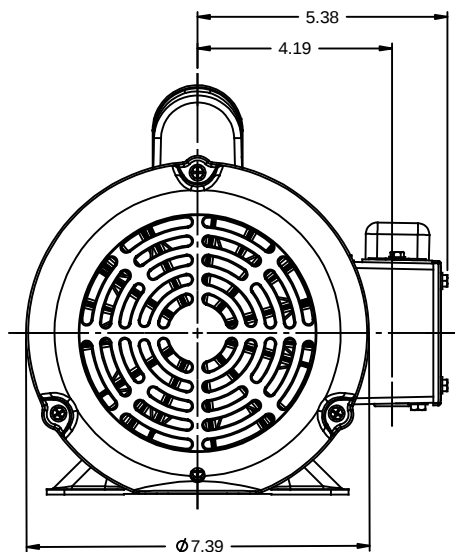


Nameplate Specifications

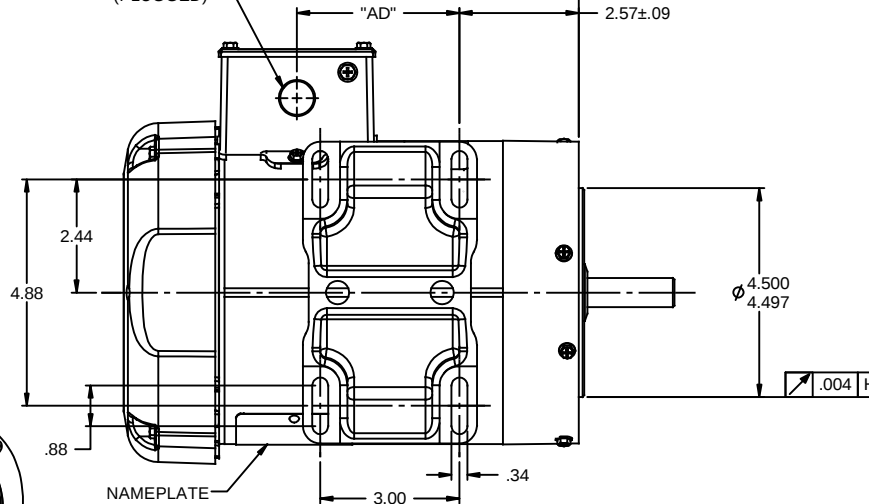
Phase	1	Output HP	1.50 Hp
Output KW	1.1 kW	Voltage	115/230 V
Speed	3450 rpm	Service Factor	1.15
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	72 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	17.0/8.5 A	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	H
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	2	Rotation	Selective Counterclockwise
Resistance Main	1.32 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	12.37 in
Frame Length	6.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	607-0008-650B	Connection Drawing	005278.07



(1) 1/2-14 NPT CONDUIT HOLE
(PLUGGED)

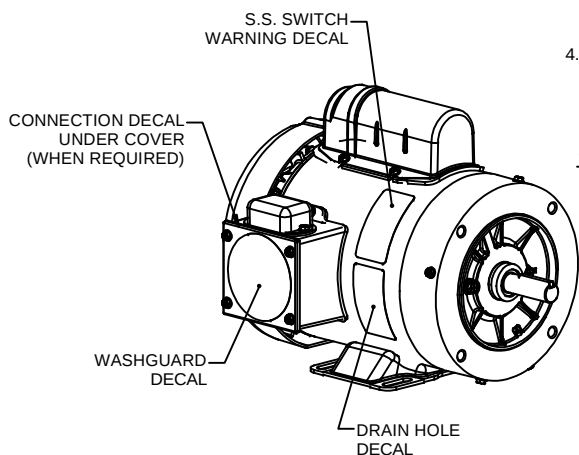


3/8-16 UNC-2B x .56 DEEP
(4) REQ'D. ON A 5.875 B.C.

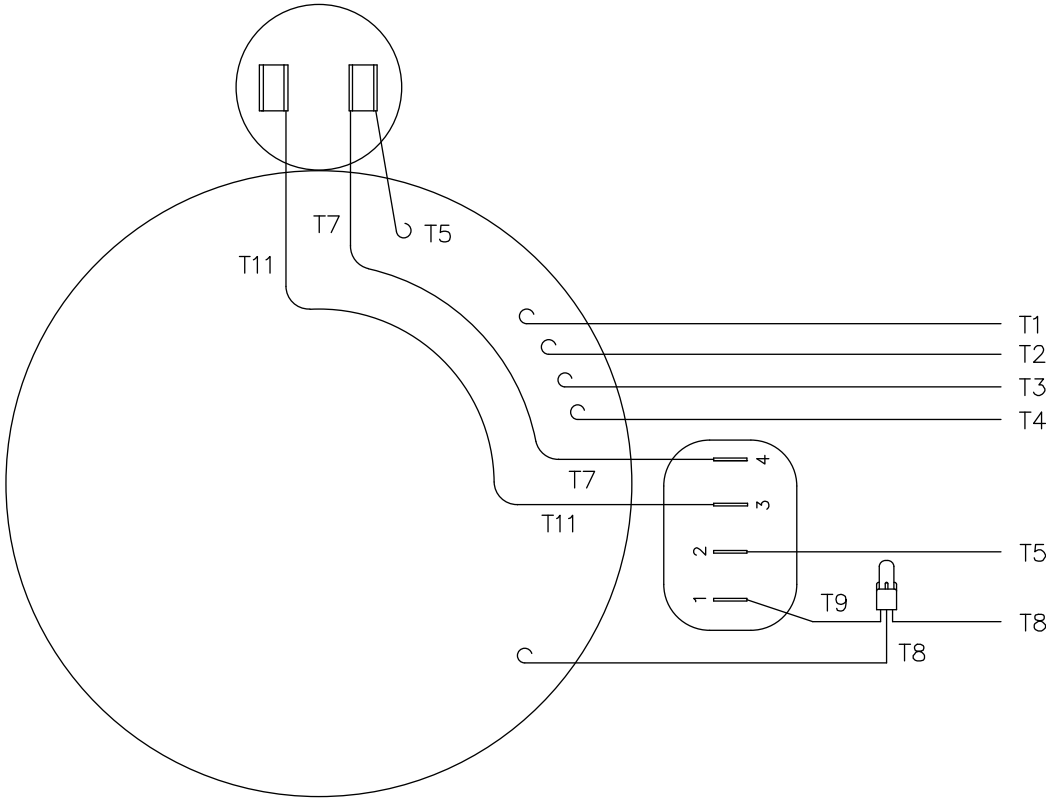
WASHGUARD MOTOR

- 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"	DASH NO.	"C"	"AD"	"XO"
450A	10.37	2.00	2.00	450B	10.37	2.00	2.25
475A	10.62	2.25	2.00	475B	10.62	2.25	2.25
500A	10.87	2.50	2.00	500B	10.87	2.50	2.25
525A	11.12	2.75	2.00	525B	11.12	2.75	2.25
550A	11.37	3.00	2.00	550B	11.37	3.00	2.25
575A	11.62	3.25	2.00	575B	11.62	3.25	2.25
600A	11.87	3.50	2.00	600B	11.87	3.50	2.25
625A	12.12	3.75	2.00	625B	12.12	3.75	2.25
650A	12.37	4.00	2.00	650B	12.37	4.00	2.25



TOLERANCES UNLESS SPECIFIED				ELECTRIC MOTORS GEARMOTORS AND DRIVES			
DEC	INCHES	XX	±.03	DRAWN PG 02/08/11			
XXX	±.005	XXXX	±.0005	CHK			
NO	REVISION	BY & DATE	CHK ANG ±1/2"	APPR			
THIRD ANGLE PROJECTION				SCALE 3/8			
NETWORK FILE NAME 607-0008				REF 028881			
				FMF 113580.00			
				PAGE OF			
				SIZE B DRAWING NO 607-0008			
				REV			



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	

TOLERANCES UNLESS OTHERWISE SPECIFIED

DECIMALS

.00 ± .01

.000 ± .005

.0000 ± .0005

FRACTIONS ± 1/64

ANGLES ± 1/2°

INCH/MM

LEESON ELECTRIC CORPORATION

DRAWN RSK 07/21/98

CH'K'D.

APPR.

SCALE 1=1

REF. 005278-01

FMF 131571

TITLE
EXTERNAL WIRING DIAGRAM
TYPE "C" W/O PROTECTOR

MAT'L.
DECAL - 004012
STOCK MOTORS TO USE DECAL 214-0122-001

FINISH
STANDARD
SIZE
A
DRAWING NO.
005278-07

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ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED



CERTIFICATION DATA SHEET

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

CATALOG #:113584.00

CONN. DIAGRAM: 005278.07

OUTLINE: 607-0008-650B

MOUNTING: F1 ONLY

WINDING #: C632212 FR 3 B

TYPICAL MOTOR PERFORMANCE DATA

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

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	17/8.5	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	72	3/4 LOAD EFF:	70.5	1/2 LOAD EFF:	66.1	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	80	3/4 LOAD PF:	73.5	1/2 LOAD PF:	62.7	68	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
2.28 LB-FT	92 / 46	5.5 LB-FT 244 %	5.6 LB-FT 249 %	82

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.06 LB-FT^2	0 LB-FT^2	10 SEC.	0	36 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	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

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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 113584.00

Curve at

230

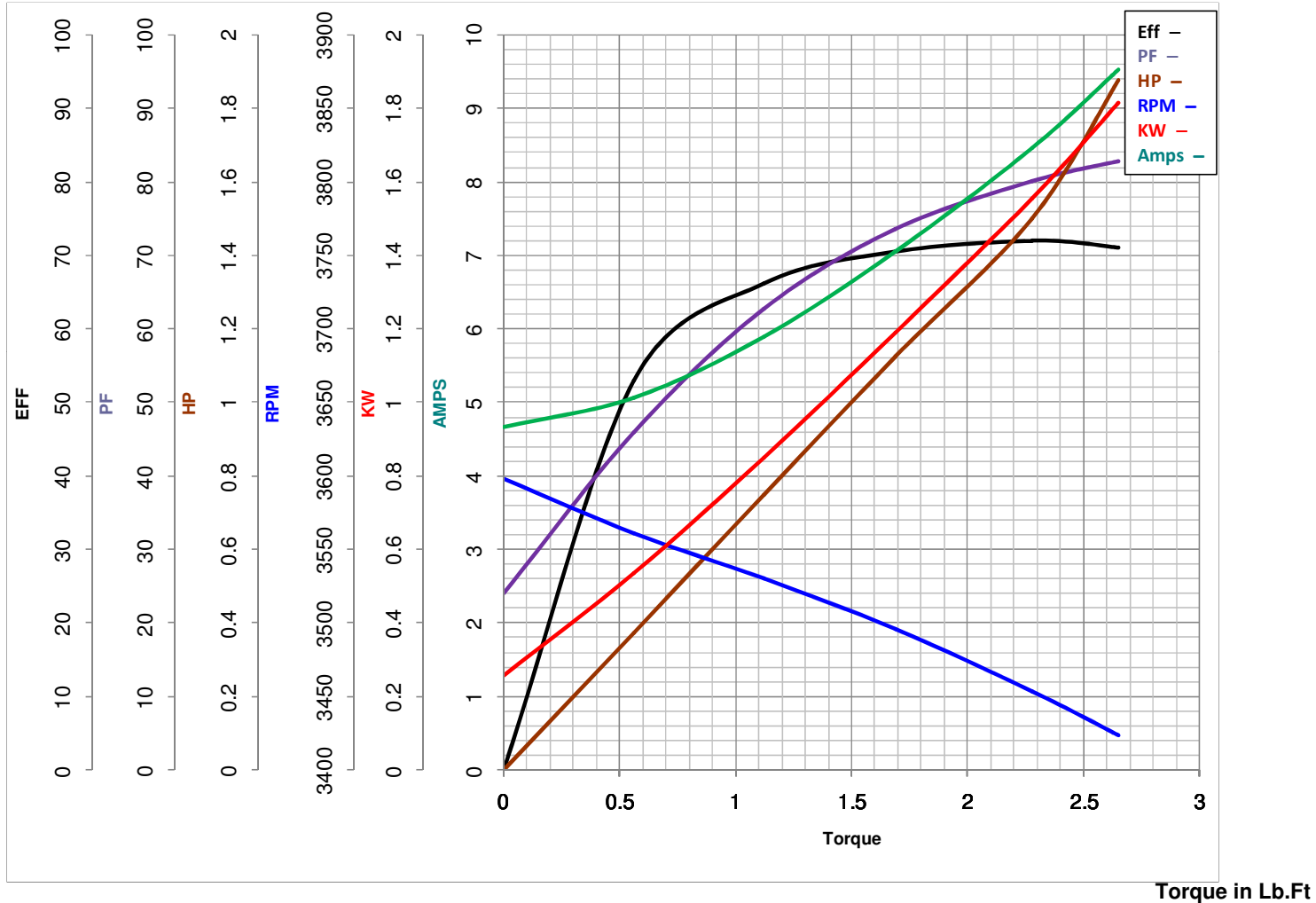
Volts

HP 1.50PHASE 160

HZ

1.5

HP

VOLTS 115/208-230Catalog No 113584.00HZ 60RPM 3450

FL TORQUE 2.28 Lb.Ft
 BD TORQUE 5.6 Lb.Ft
 LR TORQUE 5.5 Lb.Ft

FL AMPS 17.85
 PU TORQUE 5.3 Lb.Ft
 LR AMPS 46

WINDING C632212-3

Date 4/23/2018