

PRODUCT INFORMATION PACKET



Model No: 116345.00

Catalog No: 116345.00

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

Operational at 115/208-230 V @60HZ



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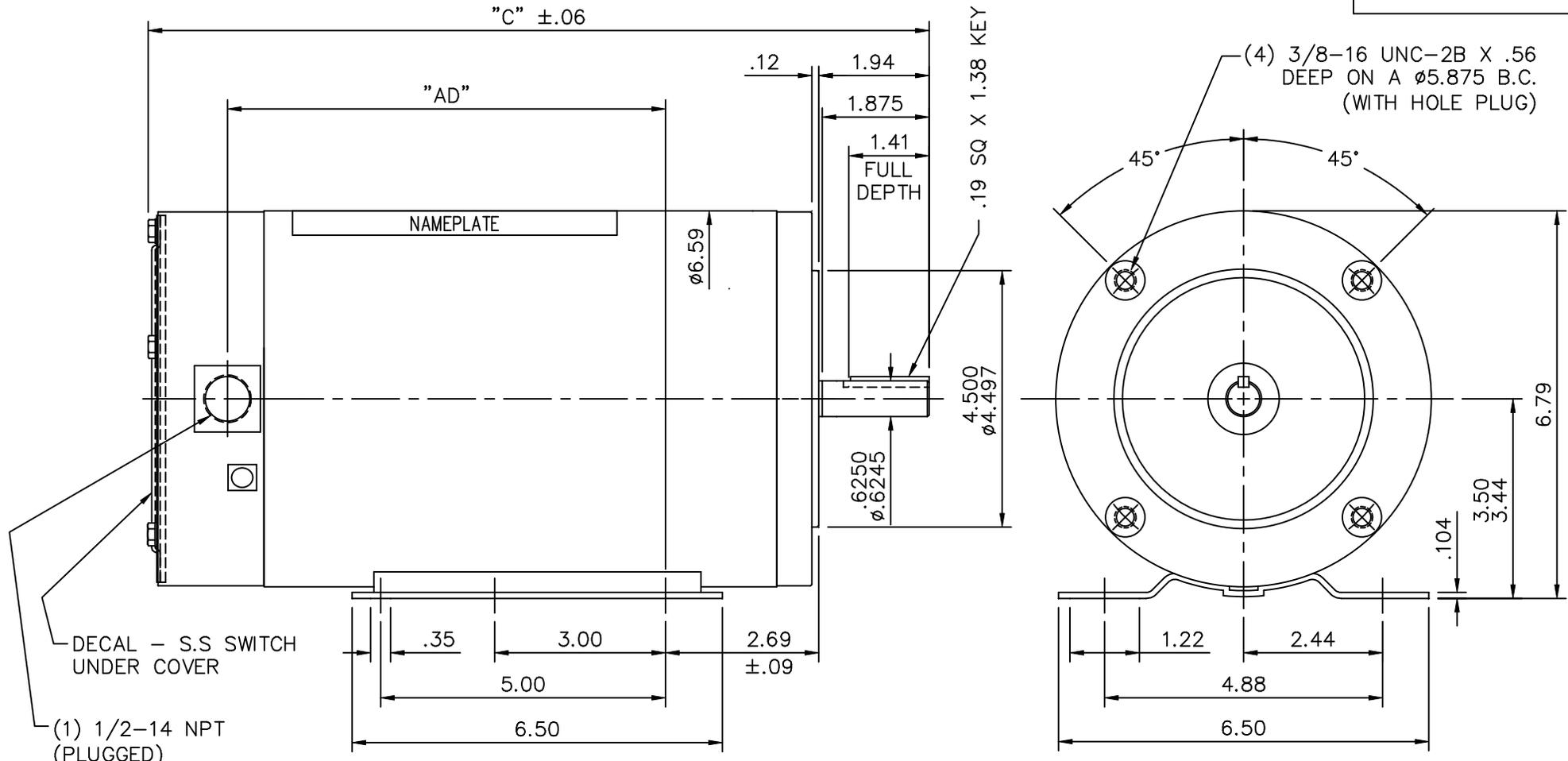


Nameplate Specifications

Phase	1	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.15
Frame	56HC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Efficiency	74 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	6.8/3.4 A	Power Factor	64
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	L
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	No	CSA	N
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	3.55 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	NEMA 56	Overall Length	12.70 in
Frame Length	8.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005278.01	Outline Drawing	034991-800



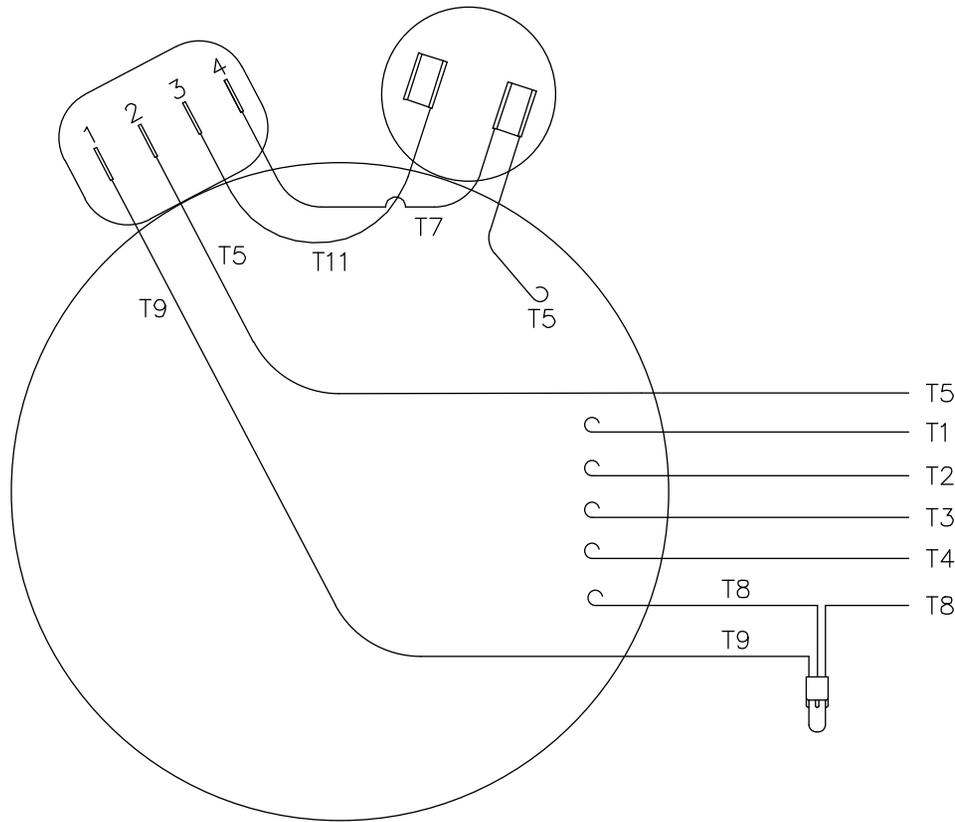
SPECIAL FEATURES:
 VITON CONDUIT BOX & COVER GASKETS
 VITON O-RINGS IN ENDBELL RABBETS
 VITON SHAFT SEAL
 BREATHER PLUGS IN L.E. ENDBELL (B.I.C.B.)
 ALL STAINLESS STEEL CONSTRUCTION

DASH NO.	"C"	"AD"
750	12.20	6.19
800	12.70	6.69
850	13.20	7.19
900	13.70	7.69

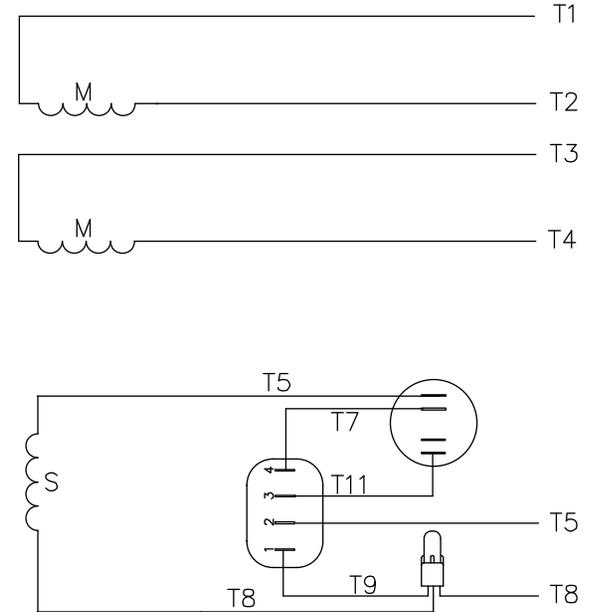
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
 MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
 PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN LST 3/18/03
				DEC.	INCHES			CHK
				.X	±.1			APPD
				.XX	±.03	TITLE	SCALE 3=8	
02	ADDED HOLE PLUGS PER ECO 03-617	LST 8/7/03	.XXX	±.005	OUTLINE- 56HC FRAME TENV- RIGID "C"		REF PR020350	
01	REVISED NAMEPLATE	JJK 7/24/03	.XXXX	±.0005	MAT'L. STAINLESS STEEL DUCK		FMF 116348	
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	034991	SIZE A	
				DIST			DRAWING NO. 034991	
							REV. 02	

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 SPECIFIED	
		DEC.	INCHES
		.X	±.1
		.XX	±.01
05	ADDED DECAL FOR STOCK MODELS ECR 0042509	GWS	9/10/13
04	REDRAWN ON CAD	DBT	6/06/97
NO.	REVISION	BY & DATE	CHK ANG



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

DRAWN	PG 01/09/88
CHK	
APPD	DJW 01/16/88
SCALE	1=1
REF	005242
FMF	6C17WB1
PREV	

TITLE	EXTERNAL WIRING DIAGRAM TYPE "C" W/O PROTECTOR
MAT'L.	DECAL - 004012
FINISH STOCK MODELS TO USE DECAL	214-0122-001

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RFP	04/18/02
DIST	BRF

CAD FILE	00527801
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SIZE	DRAWING NO.	REV.
A	005278-01	05



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005278.01

CATALOG #: 116345.00

OUTLINE: 034991-800

MOUNTING: F1 ONLY

WINDING #: C634289 NR 3 B

TYPICAL MOTOR PERFORMANCE DATA

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

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	6.8/3.4-3.4	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	74	3/4 LOAD EFF:	71.6	1/2 LOAD EFF:	66.3	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	64	3/4 LOAD PF:	54.8	1/2 LOAD PF:	45.2	70		CAP START IND RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24 OZ-FT	41 / 20.5	82 OZ-FT 342 %	64 OZ-FT 267 %	86

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	0.01 LB-FT^2	0 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	NO PAINT

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

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

