

# PRODUCT INFORMATION PACKET



Model No: 116346.00

Catalog No: 116346.00

Premium Duck™ General Purpose Motor, 0.75 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 56HC Frame, TENV

**Operational at 115/208-230 V @60HZ**



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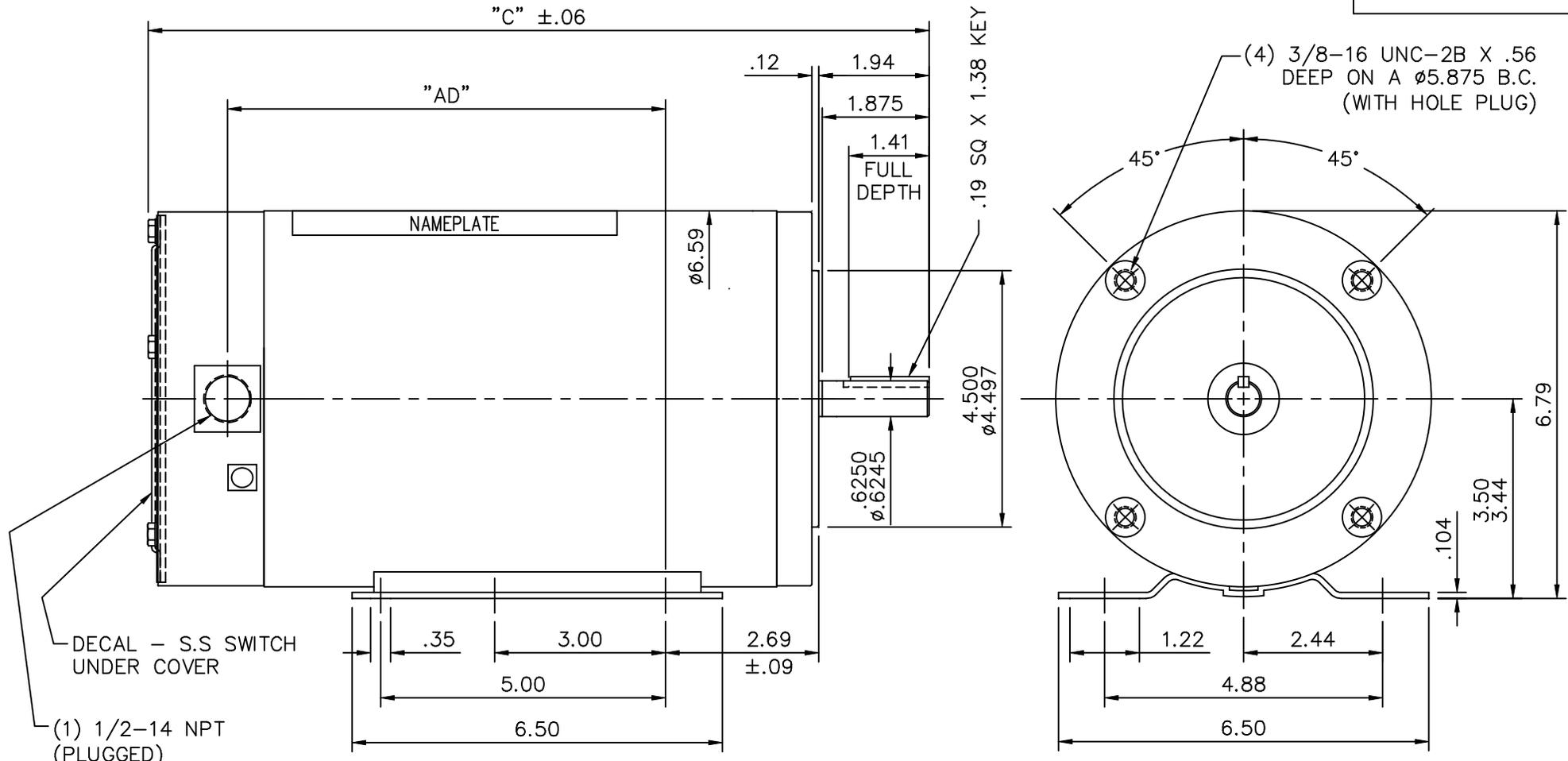


### Nameplate Specifications

Phase	1	Output HP	0.75 Hp
Output KW	0.56 kW	Voltage	115/230 V
Speed	1725 rpm	Service Factor	1.15
Frame	56HC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Efficiency	77 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	7.6/3.8 A	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	N	KVA Code	K
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 Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 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	005259.03	Outline Drawing	034991-800



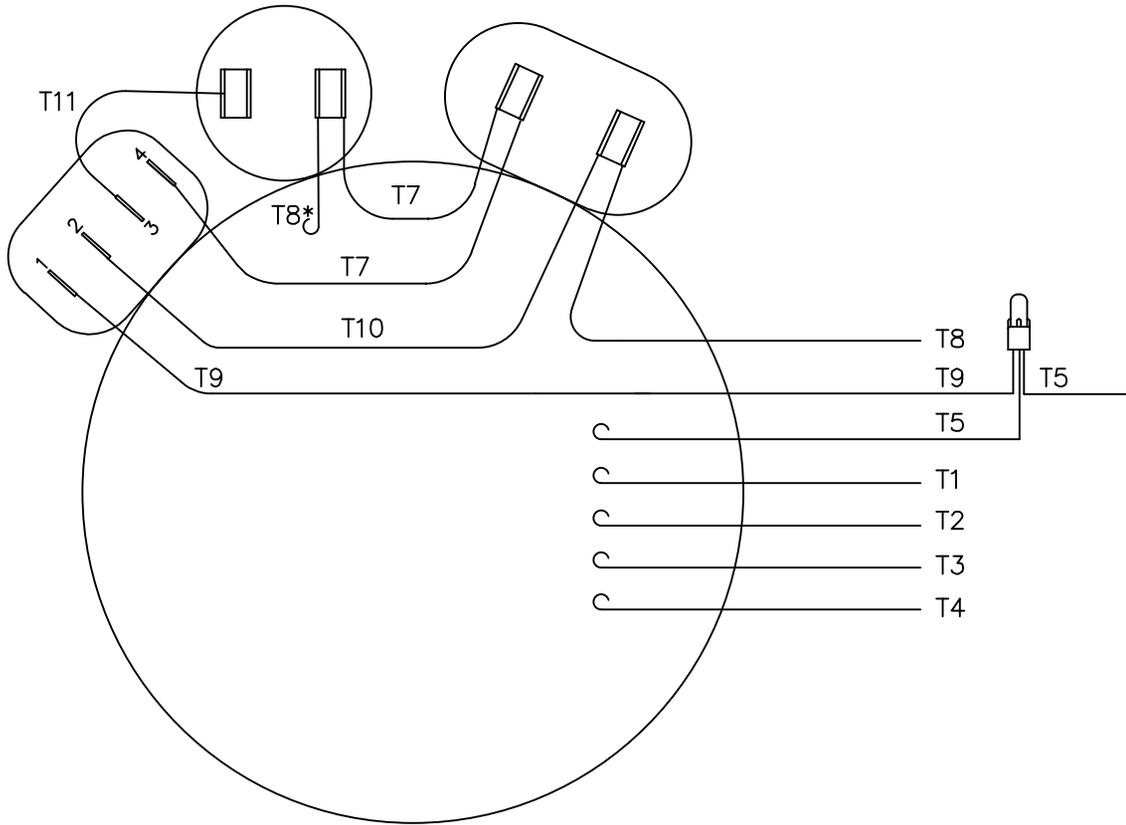
**SPECIAL FEATURES:**  
 VITON CONDUIT BOX & COVER GASKETS  
 VITON O-RINGS IN ENDBELL RABBETS  
 VITON SHAFT SEAL  
 BREATHER PLUGS IN L.E. ENDBELL (B.I.C.B.)  
 ALL STAINLESS STEEL CONSTRUCTION

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

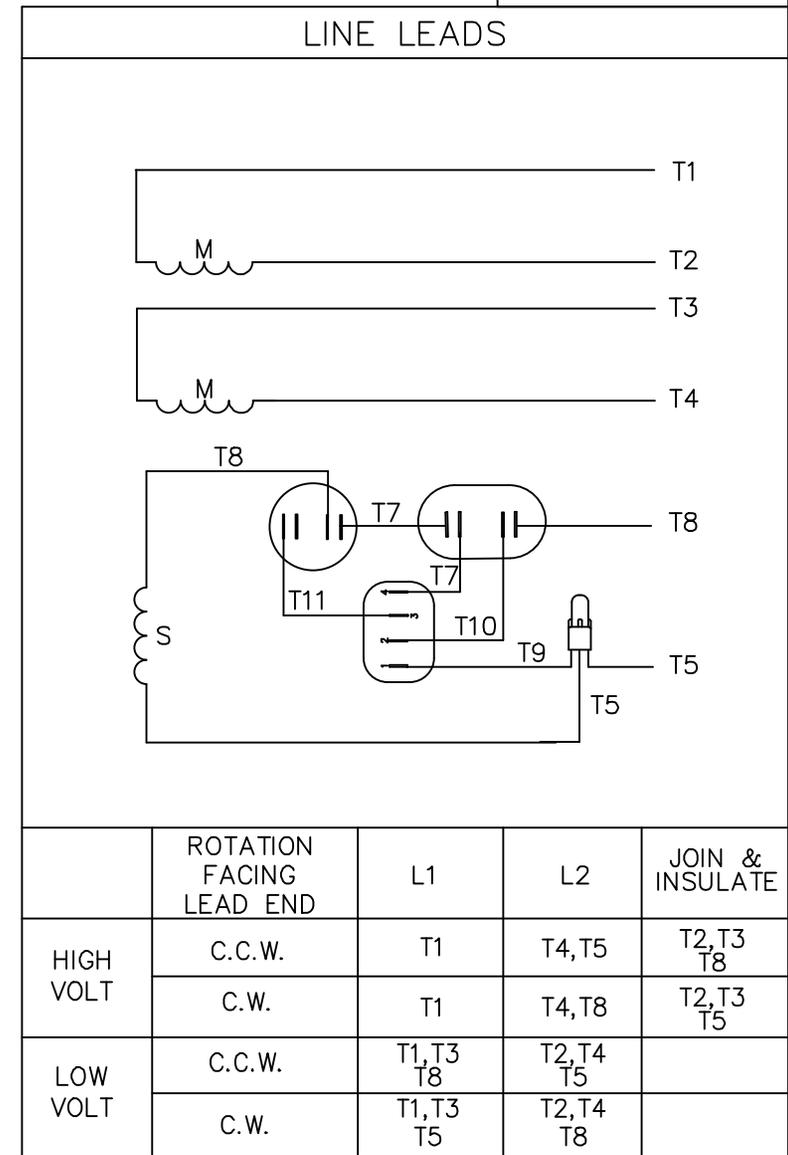
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.  
 MAXIMUM PILOT ECCENTRICITY .004 T.I.R.  
 PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	LST 3/18/03
				DEC.	INCHES			CHK	
				.X	±.1			APPD	
				.XX	±.03	TITLE	OUTLINE- 56HC FRAME	SCALE	3=8
				.XXX	±.005	TENV- RIGID "C"	REF	PR020350	
02	ADDED HOLE PLUGS PER ECO 03-617	LST 8/7/03	.XXX	±.005	MAT'L.	STAINLESS STEEL DUCK	FMF	116348	
01	REVISED NAMEPLATE	JJK 7/24/03	.XXXX	±.0005	FINISH		PREV		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"				
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	DRAWING NO.	REV.
				DIST			A	034991	02

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



\*THIS LEAD MAY BE WHITE



				TOLERANCES UNLESS OTHERWISE SPECIFIED		<b>LEESON</b> ELECTRIC CORPORATION							
				DECIMALS									
				.00	± .01	DRAWN KMM 12/16/94		TITLE		EXTERNAL WIRING DIAGRAM TYPE "K" W/O PROTECTOR			
				.000	± .005	CH'K'D.							
02	REDRAWN, UPDATED TO CURRENT STANDARDS		DBT	12/18/97	.0000	± .0005	APPR.		MAT'L			W/SOLID STATE SWITCH DECAL - 004012	
NO.	REVISION		BY	DATE	FRACTIONS	± 1/64	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					ANGLES	± 1/2°	REF.	005259-02	FINISH	DTS	SIZE	DRAWING NO.	
					INCH/MM		FMF	114559	FLUID	A	005259-03		



**CERTIFICATION DATA SHEET**

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

**CONN. DIAGRAM:** 005259.03

**CATALOG #:** 116346.00

**OUTLINE:** 034991-800

**MOUNTING:** F1 ONLY

**WINDING #:** K634294 NR 3 A

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4	0.56	1800	1725	56HC	TENV	K	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	7.6/4.2-3.8	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	77	3/4 LOAD EFF:	70.5	1/2 LOAD EFF:	63.3	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	84	3/4 LOAD PF:	81.6	1/2 LOAD PF:	75.2	74	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
36 OZ-FT	56 / 28	128 OZ-FT 474 %	97.3 OZ-FT 360 %	90

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	0.11 LB-FT^2	0 LB-FT^2	0 SEC.	0	42 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

<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

