

# PRODUCT INFORMATION PACKET



Model No: 6210E

Catalog No: 6210E

EVERGREEN® EM Fan and Blower Motor, 1 HP, 1 Ph, 60/50 Hz, 208-230 V, 1075 RPM, 1 Speed, 48 Frame, OPAO



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### Nameplate Specifications

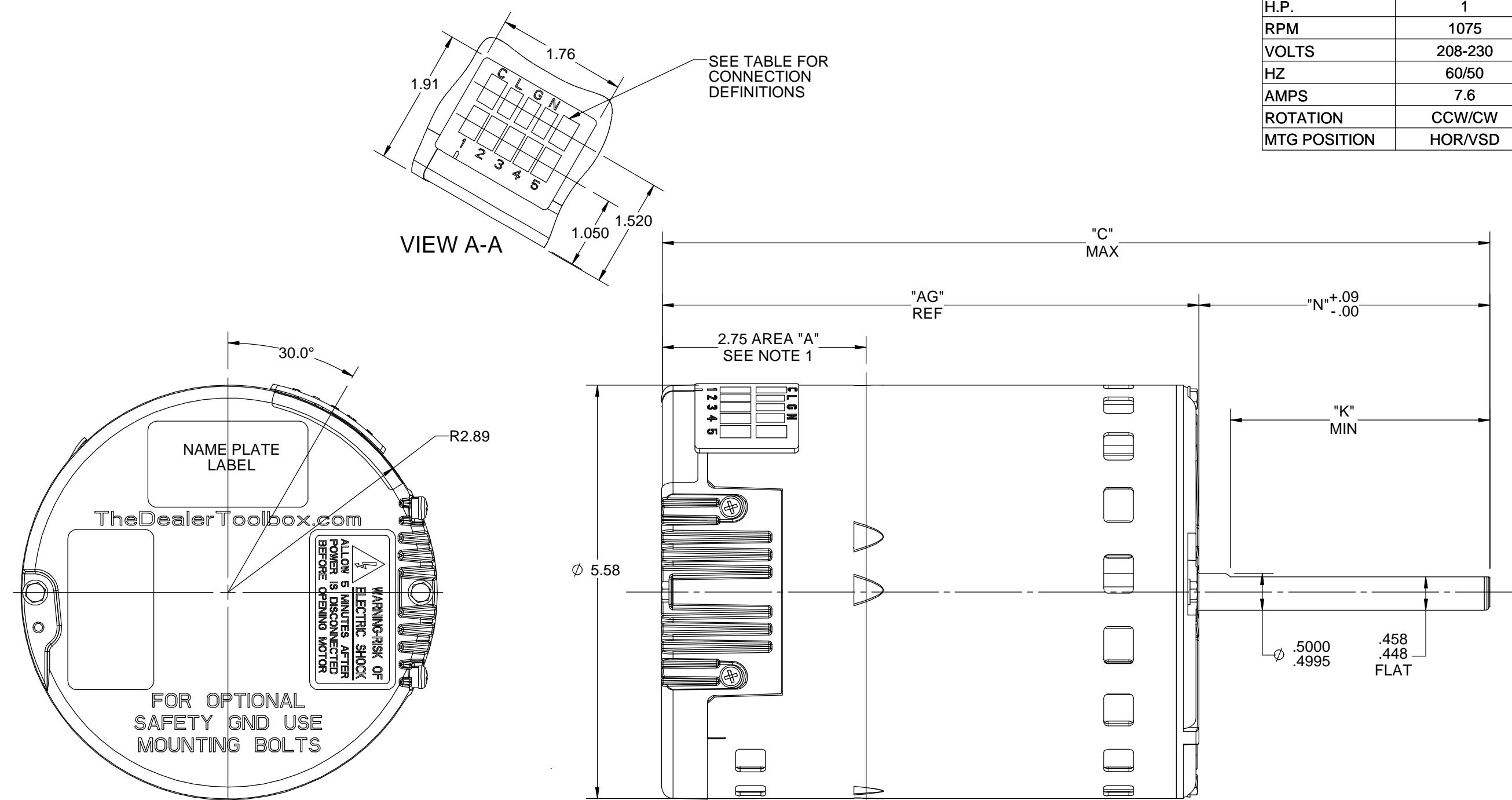
Phase	1	Output HP	1 Hp
Output KW	0.75 kW	Voltage	208-230 V
Speed	1075 rpm	Service Factor	1
Frame	48	Enclosure	Open Air Over
Thermal Protection	No Protection	Ambient Temperature	40 °C
Frequency	60/50 Hz	Current	7.6 A
Duty	Continuous Air Over	Insulation Class	B
UL	Recognized	CSA	N
CE	N	Number of Speeds	1

### Technical Specifications

Electrical Type	Electronically Commutated Motor	Poles	12
Rotation	Counterclockwise/Clockwise	Mounting	Round
Motor Orientation	Hor	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Flat	Overall Length	12.20 in
Frame Length	6.32 in	Shaft Diameter	0.500 in
Shaft Extension	4.92 in	Outline Drawing	5SME39SXL449
Connection Drawing	NR		

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CONNECTOR ID	DESCRIPTION
C	SIGNAL COMMON
L	LINE 1
G	GROUND
N	LINE 2
1	LOW (PWM)
2	MED-LOW
3	MED
4	MED-HIGH
5	HIGH

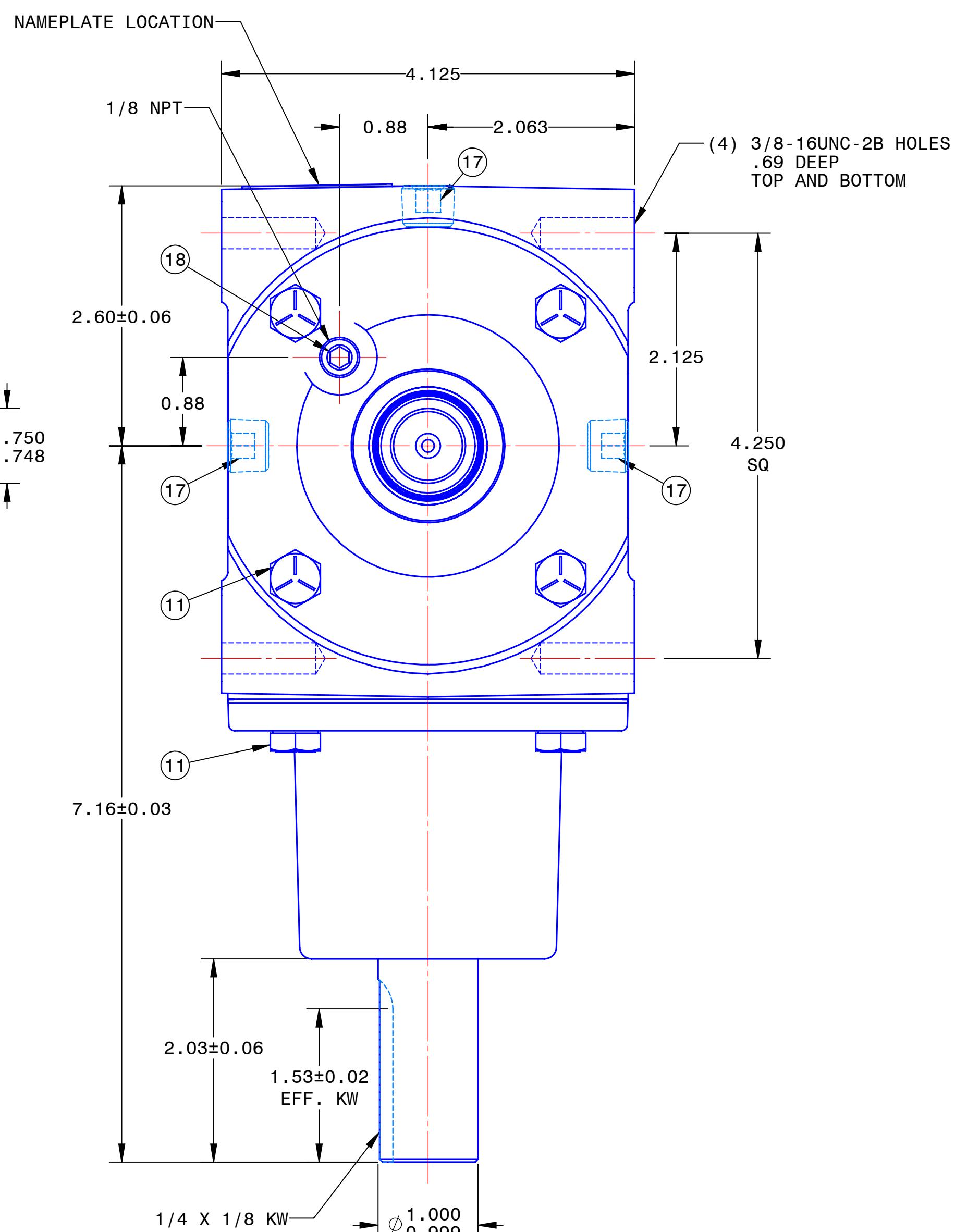
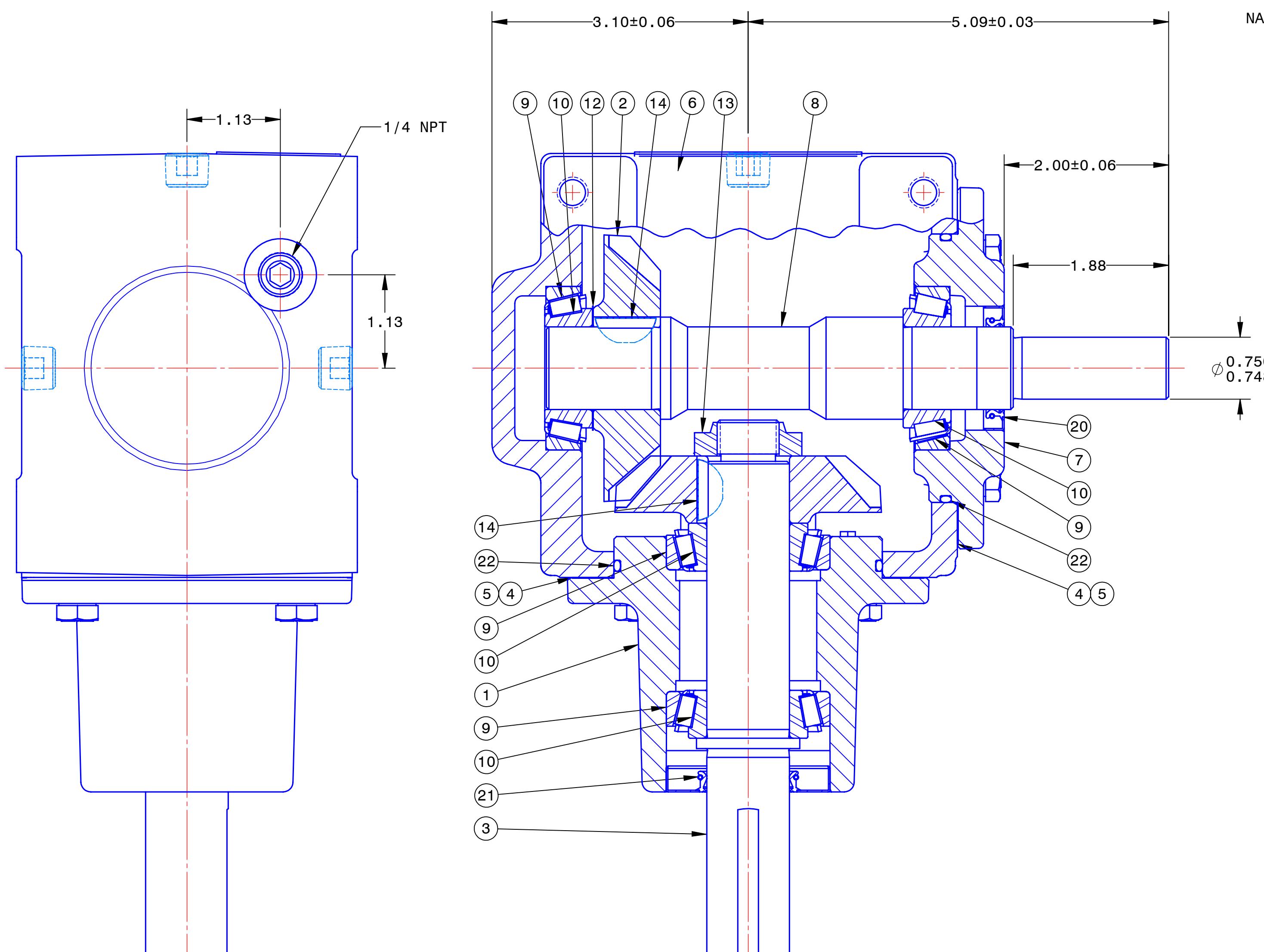


NOTE:  
1. BELLY BAND MUST NOT BE PLACED WITHIN AREA "A"  
2. APPROXIMATE WEIGHT IS 19.0LB

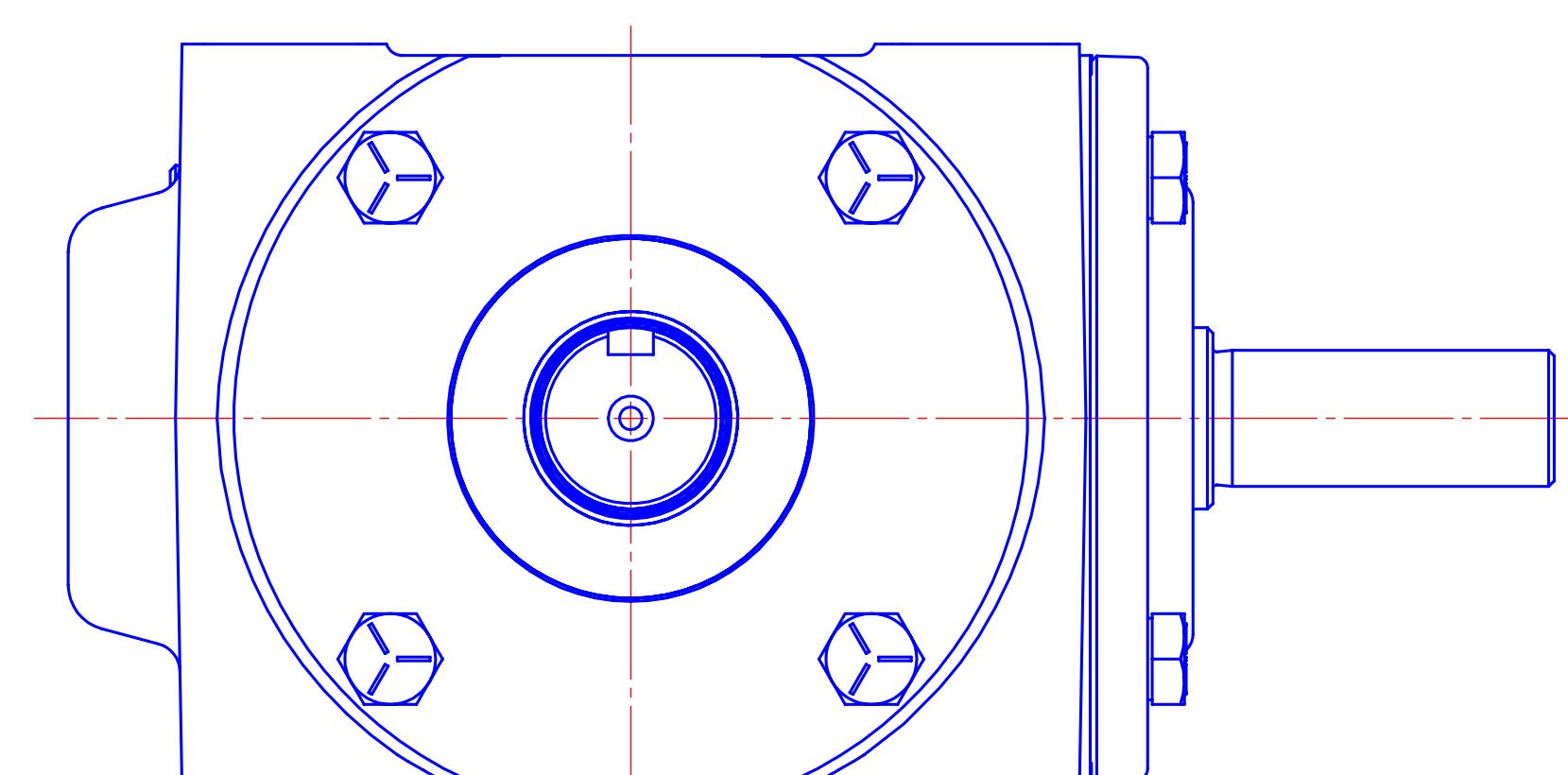
DRAWING REVISION E  
REVISION BY KEP  
DATE 12/22/2017  
ECO ECO-0129397  
APPROVED BY ANDREA  
DATE 12/18/2017  
ECO DESCRIPTION  
UPDATED AS PER ECO REQUEST  
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DRAWN BY KEP  
DATE 12/06/2012  
APPROVED BY MANZ  
DATE 12/06/2012  
REFERENCE  
THIRD ANGLE PROJECTION  
SIZE B  
DRAWING NUMBER 5SME39SXL449  
PROCESS/FINISH  
MATERIAL  
OUTLINE  
Endura Pro  
DESCRIPTION  
MANUFACTURER  
REGAL Beloit America, Inc.  
SHEET 1 OF 1

<p>UNLESS OTHERWISE SPECIFIED BREAK SHARP EDGES .015 [0.38] MAX. CORNERS TO HAVE .031 [0.79] MAX. FILLET EXCEPT SNAP RING GROOVES</p> <p> </p> <p>THIRD ANGLE PROJECTION</p>		<p>ALL DIMENSIONS IN INCHES / [mm] TOLERANCES UNLESS OTHERWISE SPECIFIED DIMS. IN INCHES      DIMS. IN [mm]</p> <table border="1"> <tr> <td>X.XX</td> <td><math>\pm .010</math></td> <td>X.X</td> <td><math>\pm [0.25]</math></td> </tr> <tr> <td>X.XXX</td> <td><math>\pm .005</math></td> <td>X.XX</td> <td><math>\pm [0.12]</math></td> </tr> <tr> <td>X.XXXX</td> <td><math>\pm .005</math></td> <td>X.XXX</td> <td><math>\pm [0.12]</math></td> </tr> </table> <p>ANGLES <math>\pm 1^\circ</math></p>	X.XX	$\pm .010$	X.X	$\pm [0.25]$	X.XXX	$\pm .005$	X.XX	$\pm [0.12]$	X.XXXX	$\pm .005$	X.XXX	$\pm [0.12]$	<p>THIS PRINT IS <b>CONFIDENTIAL</b> AND IS THE PROPERTY OF <b>REGAL-BELOIT CORPORATION.</b> THIS PRINT SHALL NOT BE USED, COPIED OR REPRODUCED IN WHOLE OR IN PART NOR SHALL THE CONTENTS BE REVEALED IN ANY MANNER TO ANYONE UNLESS WRITTEN PERMISSION IS OBTAINED FROM REGAL-BELOIT CORPORATION.</p>	<p>PART NO. <u>NR0004</u></p> <p>CUST. OR VENDOR NO. <u>AY2243</u></p> <p>EXPTL NO. _____</p>	<p>REV <b>A</b></p>
X.XX	$\pm .010$	X.X	$\pm [0.25]$														
X.XXX	$\pm .005$	X.XX	$\pm [0.12]$														
X.XXXX	$\pm .005$	X.XXX	$\pm [0.12]$														



BILL OF MATERIAL				
ITEM	PART NUMBER	DESCRIPTION	UM	QTY
1	0223-00146	165 HOUSING, PINION	EA	1
2	0223-00147	GEAR, ST BEV 25T	EA	2
3	0223-00152	SHAFT, PINION	EA	1
4	0223-01229	150 SHIM, .005 BLUE	EA	4
5	0223-02693	150 SHIM, .002 RED	EA	4
6	0225-21054	150 SPEC HOUSING	EA	1
7	0225-21055	150 SPEC CAP, OPEN	EA	1
8	0225-21056	165 SPEC SHAFT, CROSS	EA	1
9	8322058002	CUP, BEARING (P2) L44610 OR EQ	EA	4
10	8322068002	CONE, BEARING (P2) L44643 OR EQ	EA	4
11	8471404027	SCREW, HEX CAP GR5 5/16NC X 3/4	EA	8
12	8471601147	SHIM, 1-1/64X1-1/2X.005	EA	1
13	8471614004	NUT, LOCK 3/4NF	EA	1
14	8471706004	KEY, WOODRUFF 1/4 X 3/4	EA	2
15	8610001060	PAINT, DARK GRAY	OZ	1
16	8631251001	BUSHING, PIPE 1/4X1/8NPT	EA	1
17	8631261001	PLUG, PIPE SOCKET 1/4NPT 7/8 TAPER	EA	4
18	8631261024	PLUG, PIPE SOCKET 1/8NPT 7/8 TAPER	EA	1
19	8631271001	PLUG, VENTED 1/8NPT 1-5 PSI BALL	EA	1
20	8742125021	SEAL, TCM 10142TB-H OR EQ	EA	1
21	8742128903	SEAL, TCM 10193TB-H OR EQ	EA	1
22	8748009059	O-RING, -151	EA	2
23	4070041	NAME PLATE, BROWNING	EA	1
24	7893E	LUBE / INSTALL DOCUMENT BROWNING	EA	1



ASSEMBLY NOTES

1. ADJUST ALL BEARINGS TO .001-.003 END PLAY.
2. ADJUST BACKLASH TO .002-.024 MEASURED AT THE GEAR PITCH DIAMETER OR .0006-.0077 AT THE OUTSIDE DIAMETER OF THE PINION SHAFT EXTENSION.
3. APPLY GREASE LIBERALLY ON SURFACE OF ALL O-RINGS BEFORE ASSEMBLY.
4. INSTALL PIPE PLUGS IN ALL NPT HOLES.
5. PAINT UNIT GRAY.
6. PLACE PIPE BUSHING, VENT AND BROWNING LURE & INSTALL DOCUMENT IN BAG AND SHIP WITH UNIT



PTS - BROWNING  
FLORENCE, KY  
BOX #NB0004

NOTE: NOT PLOTTED TO SCALE