

# PRODUCT INFORMATION PACKET



Model No: 114395.00

Catalog No: 114395.00

Washguard® II General Purpose Motor, 0.75 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 56C Frame, TENV

**Operational at 208-230/460 V @60HZ**



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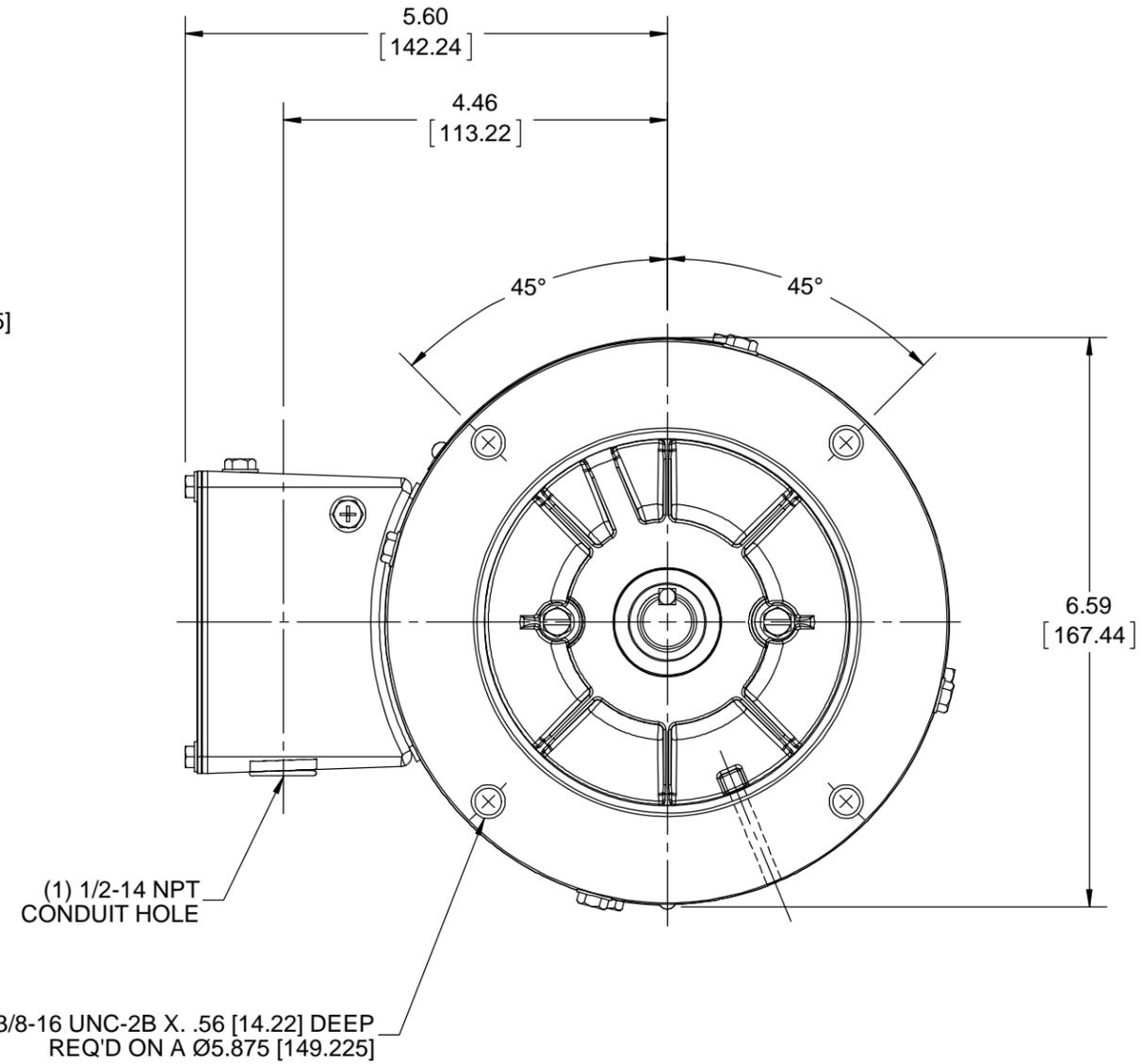
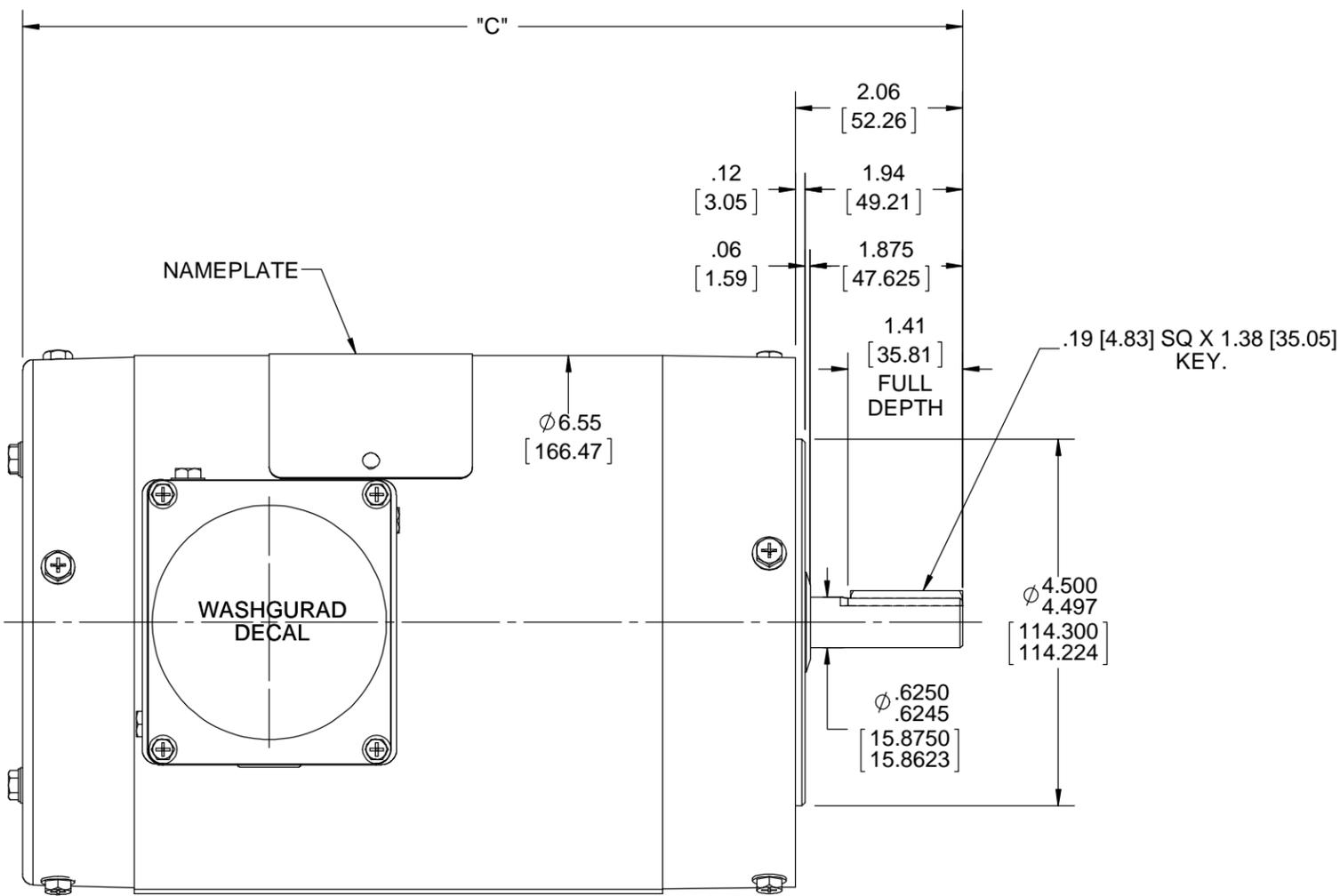
### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>0.75 Hp</b>
Output KW	<b>0.56 kW</b>	Voltage	<b>230/460 V</b>
Speed	<b>1725 rpm</b>	Service Factor	<b>1.15</b>
Frame	<b>56C</b>	Enclosure	<b>Totally Enclosed Non Ventilated</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>80 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 Hz</b>
Current	<b>2.3/1.2 A</b>	Power Factor	<b>76</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>L</b>
Drive End Bearing Size	<b>6205</b>	Opp Drive End Bearing Size	<b>6203</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>N</b>	IP Code	<b>55</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>0 Ohms</b>	Mounting	<b>Round</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Stainless Steel</b>
Shaft Type	<b>NEMA 56</b>	Overall Length	<b>11.56 in</b>
Frame Length	<b>6.50 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>1.88 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Inverter Load	<b>CONSTANT 6:1</b>		
Outline Drawing	<b>029068-650</b>	Connection Drawing	<b>005010.01</b>





**WASHGUARD II / BISSC MOTOR**

**SPECIAL FEATURES:**

- 1) BUNA-N GASKETS THROUGHOUT.
- 2) SHAFT SEAL & V-RING.
- 3) DRAIN HOLES IN ENDBELLS & CONDUIT BOX.
- 4) STAINLESS STEEL HARDWARE, FRAME & NAMEPLATE.
- 5) CORROSION RESISTANT FINISH ON ENDBELLS & CONDUIT BOX.

MAXIMUM FACE RUNOUT TO BE .004[.102] T.I.R.  
 MAXIMUM PILOT ECCENTRICITY .004[.102] T.I.R.  
 PERMISSIBLE SHAFT RUNOUT .002[.051] T.I.R.

FRAME	DASH NO	"C"
E56C	600	11.06 [280.92]
F56C	650	11.56 [293.62]

DRAWING REVISION	REVISION BY	DATE
A		
ECO-0136357	APPROVED BY	DATE
ECO DESCRIPTION		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:

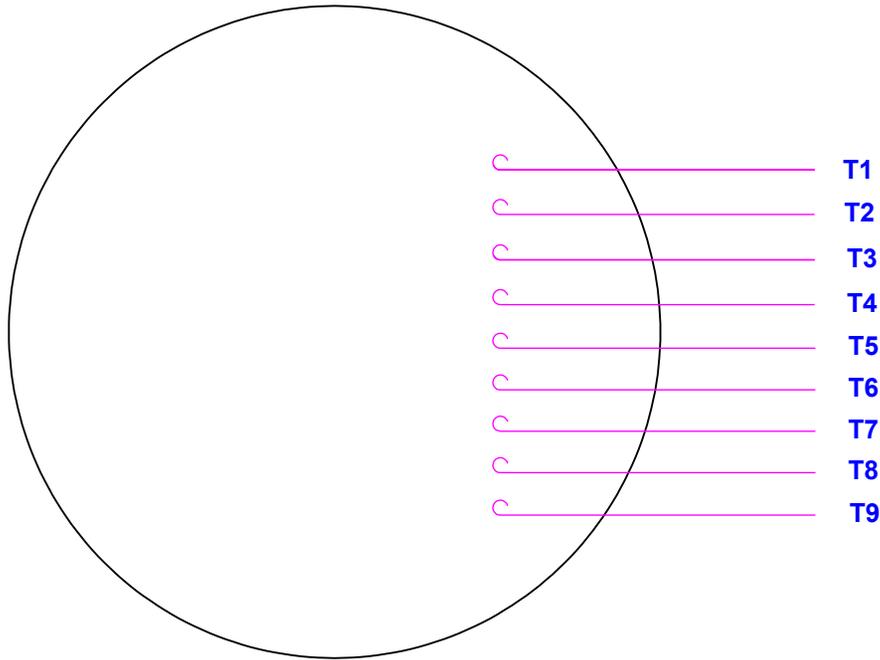
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°  
 CORNER FILLETS: R.02 [0.51]  
 MACHINED SURFACES: 125 INCH/mm 3.2

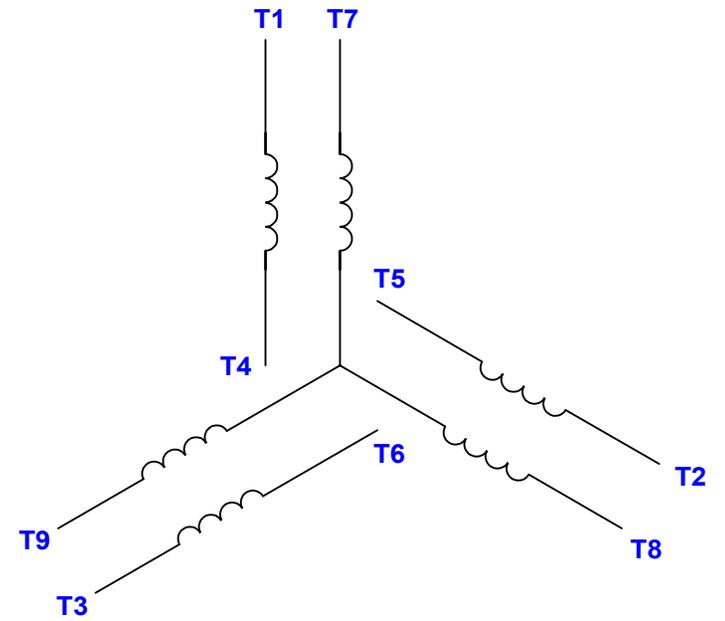
mm SHOWN IN [BRACKETS]

DRAWN BY A SUPPANAVAR	Regal Beloit America, Inc.	
DATE 02/13/2018	DESCRIPTION <b>OUTLINE</b>	
APPROVED BY PK	56 FRAME C-FACE-BISSC MOTOR	
DATE 05/23/2018	MATERIAL	PROCESS/FINISH
REFERENCE 034293	SIZE B	DRAWING NUMBER 029068
THIRD ANGLE PROJECTION		SHEET 1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4, T7) (T5, T8) (T6, T9)
LOW	T1, T7	T2, T8	T3, T9	T4, T5, T6

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				TOLERANCES UNLESS SPECIFIED		DRAWN RDW 04/12/02	
				DEC	INCHES	CHK	
				.X	±.1	APPR	
12	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.XX	±.01	SCALE 1:1	
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11		.XXX	±.005	REF FIG. 2-51	
11	ADD REV TO MATCH ORACLE	KJH 06/08/09	MDN	.XXX	±.0005	FMF	
NO	REVISION	BY & DATE	CHK	ANG	±1/2°	PAGE OF	
THIRD ANGLE PROJECTION			RFP	04/12/02	PREV	SIZE	DRAWING NO
			NETWORK FILE NAME		00501001	A	005010-01
							REV
							12

**Regal Rexnord** Regal Beloit America, Inc.

TITLE EXTERNAL WIRING DIAGRAM  
 3 PHASE W/O PROTECTOR

MAT'L DECAL - 004014



**CERTIFICATION DATA SHEET**

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

CATALOG #: 114395.00

CONN. DIAGRAM: 005010.01

OUTLINE: 029068-650

MOUNTING: F1 ONLY

WINDING #: T634252 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	F56C	TENV	L	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	208-230/460	2.4-2.3/1.15	LINE OR INVERTER	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	80	3/4 LOAD EFF:	79.1	1/2 LOAD EFF:	74.5	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	76	3/4 LOAD PF:	70.5	1/2 LOAD PF:	59.4	0		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
36 OZ-FT	18.3 / 9.1	110.6 OZ-FT 0 %	148.8 OZ-FT 0 %	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0.108 LB-FT^2	0.1 LB-FT^2	10 SEC.	-	0 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	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)	STAINLESS STEEL
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

\*  
N  
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S

<b>INVERTER TORQUE:</b> CONSTANT 6:1
<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

Data Sheet

Date: 1/18/2018

114395.00



Data @ **460 V**

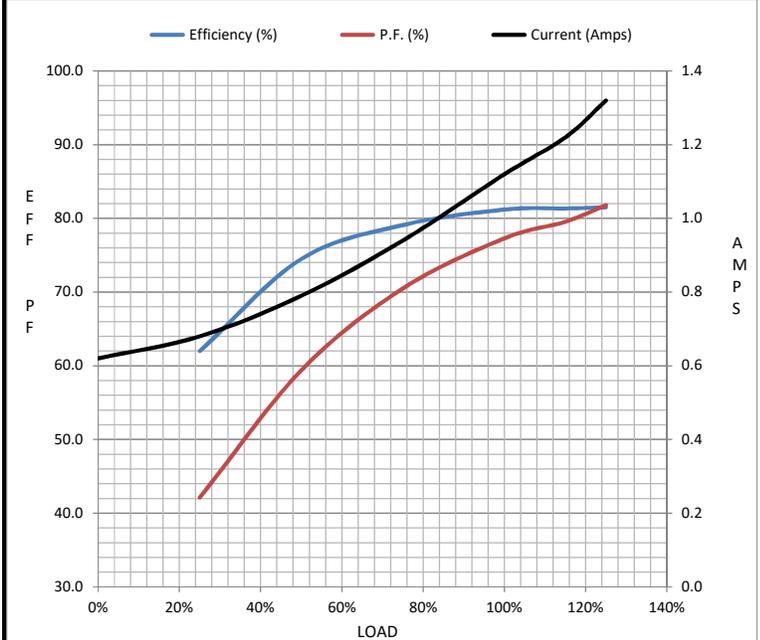
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.62	0.68	0.79	0.94	1.12	1.22	1.32	9.1
Torque (ft-lb)	0.00	143	285	429	577	10,434	726	1,772
RPM	1800	1788	1777	1765	1753	1,748	1740	0
Efficiency (%)		62.0	74.5	79.1	81.2	81.4	81.5	
P.F. (%)	17.0	42.1	59.4	70.5	77.3	79.6	81.8	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	129	1314	1753	1800
Current (Amps)	9.1	9.1	5.5	1.12	0.62
Torque (ft-lb)	1,772	1,671	2,384	577	0.00

Information Block				
HP	0.8			
Sync. RPM	1800			
Frame	140			
Enclosure	TENV			
Construction	NA			
Voltage	208-230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	82 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.11 Lb-Ft <sup>2</sup>			
Ref Wdg	T634252 NR			
Sound Pressure @ 1M	999 dBA			
VFD Rating	CONSTANT 6:1			
Outline Dwg	034293-650			
Conn. Diag	005010.01			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

