

# PRODUCT INFORMATION PACKET



Model No: 114561.00

Catalog No: 114561.00

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

Operational at 208-230/460 V @60HZ



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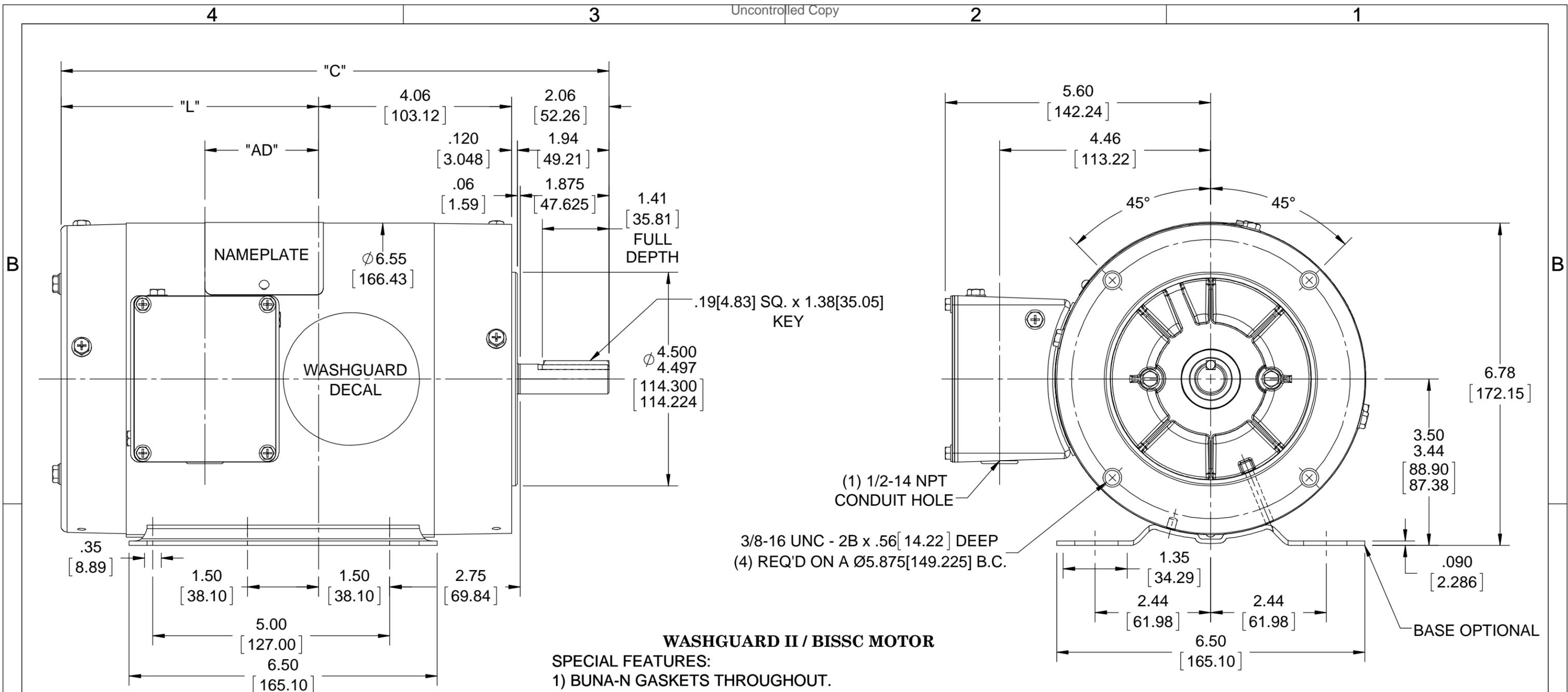


### Nameplate Specifications

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>56HC</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 Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>0 Ohms</b>	Mounting	<b>Rigid Base</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>
Connection Drawing	<b>005010.01</b>	Outline Drawing	<b>034293-650</b>



.19[4.83] SQ. x 1.38[35.05] KEY

(1) 1/2-14 NPT CONDUIT HOLE

3/8-16 UNC - 2B x .56[14.22] DEEP  
(4) REQ'D ON A Ø5.875[149.225] B.C.

BASE OPTIONAL

**WASHGUARD II / BISSC MOTOR**

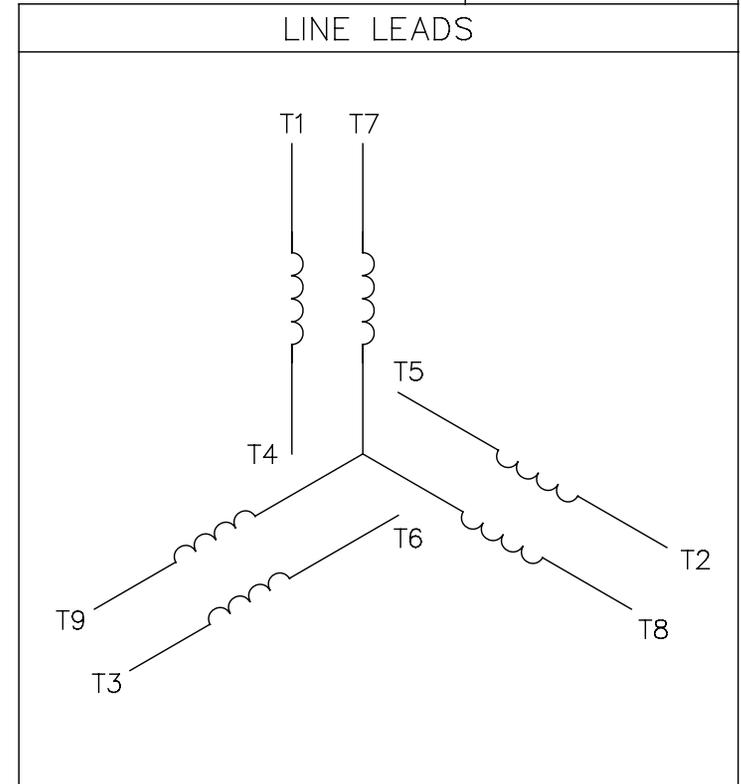
- SPECIAL FEATURES:**
- 1) BUNA-N GASKETS THROUGHOUT.
  - 2) SHAFT SEAL & V-RING.
  - 3) DRAIN HOLES IN ENDBELLS & CONDUIT BOX.
  - 4) STAINLESS STEEL HARDWARE, FRAME & NAMEPLATE.
  - 5) CORROSION RESISTANT FINISH ON ENDBELLS & CONDUIT BOX.
  - 6) MAXIMUM FACE RUNOUT TO BE .004[.102] T.I.R.
  - 7) MAXIMUM PILOT ECCENTRICITY .004[.102] T.I.R.
  - 8) PERMISSIBLE SHAFT RUNOUT .002[.051] T.I.R.

FRAME	DASH NO.	"C"	"L"	"AD"
E56C	600	11.06 [280.92]	4.94 [125.48]	1.94 [49.28]
F56C	650	11.56 [293.62]	5.44 [138.18]	2.44 [61.98]
G56C	700	12.06 [306.32]	5.94 [150.88]	2.94 [74.68]
H56C	750	12.56 [319.02]	6.44 [163.58]	3.44 [87.38]
J56C	800	13.06 [331.72]	6.94 [176.28]	3.94 [100.08]

DRAWING REVISION J	REVISION BY T AHER	DATE 01/04/2018	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±7° 30" .XX ±0.03 [±0.76] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DRAWN BY PG	Regal Beloit America, Inc.
ECO ECO-0143018	APPROVED BY PK	DATE 04/10/2018	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [51] MACHINED SURFACES: 200 INCH/mm 5.1 mm SHOWN IN [BRACKETS]	DATE 02/16/1994	
ECO DESCRIPTION <b>OUTLINE CONVERSION PROJECT</b> COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.				APPROVED BY CC	DESCRIPTION <b>OUTLINE</b> 56 FRAME, C-FACE - BISSC MOTOR
				DATE 02/21/1994	MATERIAL
				REFERENCE 034293	PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE B
					DRAWING NUMBER <b>034293</b>
					SHEET 1 OF 1

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

				TOLERANCES UNLESS SPECIFIED		<b>REGAL</b> ™ <b>Regal Beloit America, Inc.</b>		DRAWN RDW 04/12/02			
				DEC.	INCHES			CHK			
				.X	±.1			APPD			
				.XX	±.01			SCALE 1=1			
				.XXX	±.005	TITLE		REF FIG.2-51			
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005	MAT'L.		FMF			
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	04/12/02	CAD FILE		00501001	SIZE	DRAWING NO.	REV.
				DIST	BRF-NLV			A	005010-01	A	



CERTIFICATION DATA SHEET

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

CATALOG #: 114561.00

CONN. DIAGRAM: 005010.01

OUTLINE: 034293-650

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	56HC	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	ACROSS THE LINE	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 IND RUN

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	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	VERIFY	VERIFY	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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<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

Data Sheet

Date: 1/22/2018

114561.00



Data @ 460 V

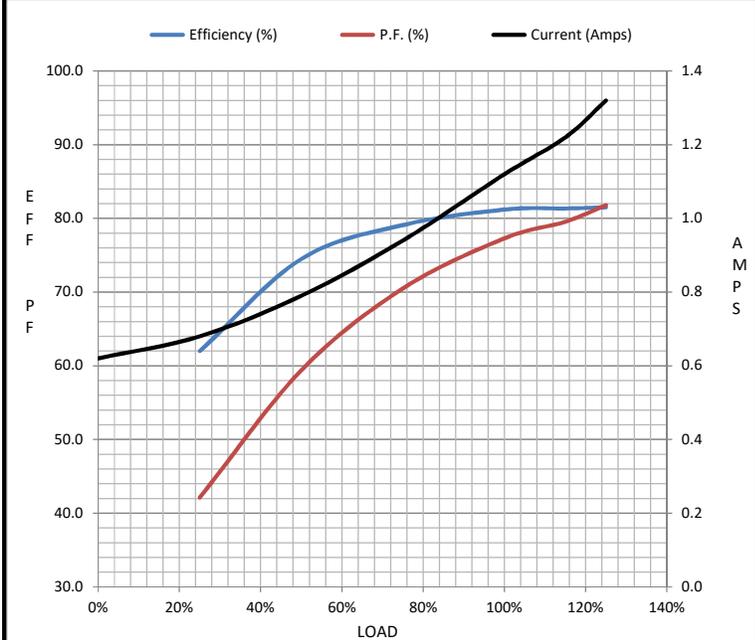
Motor Load Data

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	NONE			
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

