

# PRODUCT INFORMATION PACKET



Model No: CZ6T17VK3D

Catalog No: 114560.00

1/2HP..1725RPM.56H.TENV.208-230/460V.3PH.60HZ.CONT.NOT.40C.1.15SF.RIGID C.SUPER  
DUCK.CZ6T17VK3D

Paint Free



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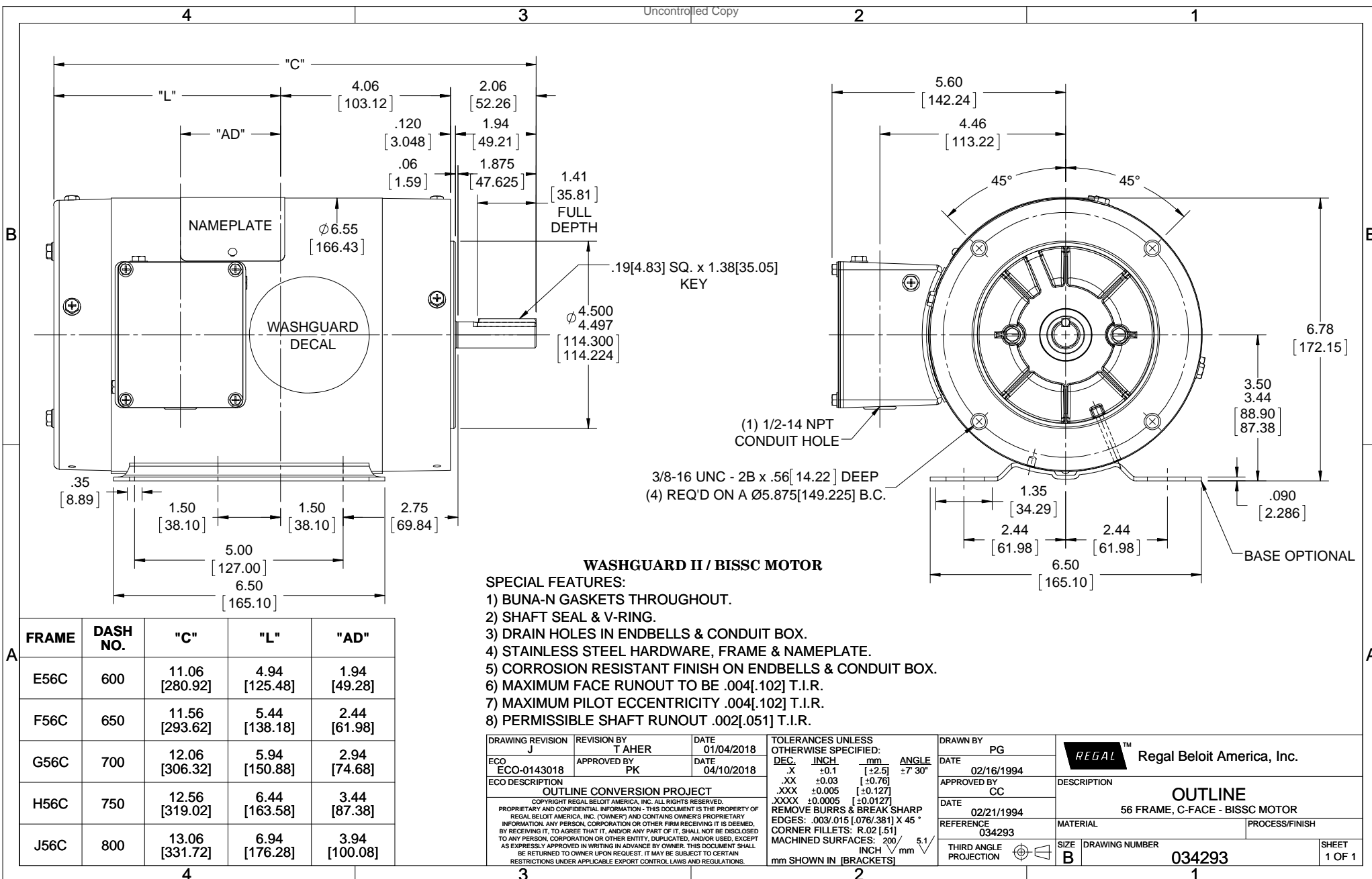
### Nameplate Specifications

Output HP	<b>0.50 Hp</b>	Output KW	<b>0.37 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>208-230/460 V</b>
Current	<b>1.6/0.80 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>78.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>K</b>	Frame	<b>56HC</b>
Enclosure	<b>Totally Enclosed Non Ventilated</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</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>		

### 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>
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>Rolled 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>		
Outline Drawing	<b>034293-650</b>	Connection Diagram	<b>005010.01</b>

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

**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
ECO ECO-0143018	APPROVED BY PK	DATE 04/10/2018
ECO DESCRIPTION OUTLINE CONVERSION PROJECT		
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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]  
 REMOVE BURRS & BREAK SHARP  
 EDGES: .003/.015 [.076/.381] X 45°  
 CORNER FILLETS: R.02 [.51]  
 MACHINED SURFACES: 200 5.1  
 INCH mm  
 mm SHOWN IN [BRACKETS]

DRAWN BY PG	DATE 02/16/1994
APPROVED BY CC	DATE 02/21/1994
REFERENCE 034293	THIRD ANGLE PROJECTION

**REGAL**™ Regal Beloit America, Inc.

DESCRIPTION  
**OUTLINE**  
56 FRAME, C-FACE - BISSC MOTOR

MATERIAL PROCESS/FINISH

SIZE **B** DRAWING NUMBER **034293** 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 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. DECAL - 004014	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



Motor Load Data

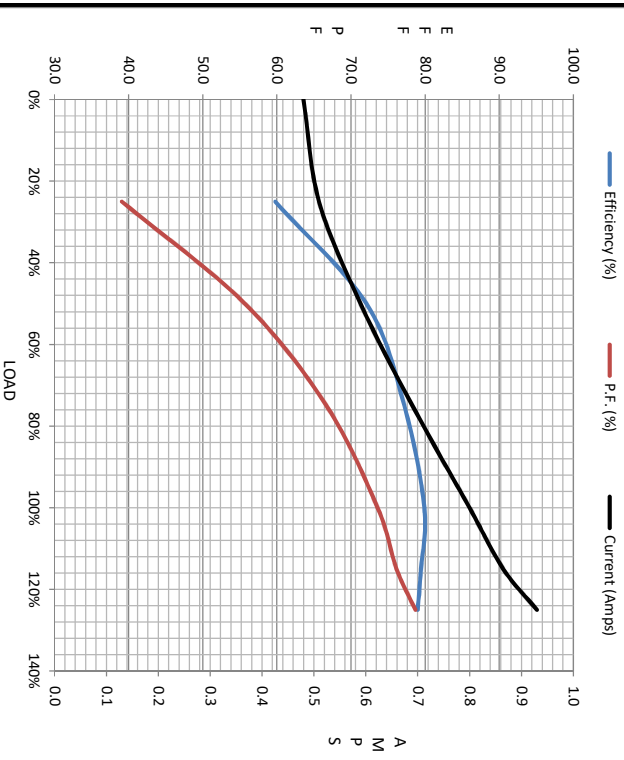
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.48	0.51	0.59	0.69	0.80	0.87	0.93	5.6
Torque (ft-lb)	0.00	95.7	191	287	383	6,875	479	1,353
RPM	1800	1785	1772	1759	1746	1,739	1729	0
Efficiency (%)		59.8	72.1	77.2	79.9	79.5	79.0	
P.F. (%)	16.1	39.1	57.7	66.7	73.6	76.2	78.7	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1656	1746	1800
Current (Amps)	5.6	5.2	3.4	0.80	0.48
Torque (ft-lb)	1,353	1,243	1,532	383	0.00

Information Block

HP	0.5			
Sync. RPM	1800			
Frame	56			
Enclosure	TENV			
Construction	NA			
Voltage	208-230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	69 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.09 LB-Ft <sup>2</sup>			
Ref Wdg	T634250 NR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	NONE			
Outline Dwg	034293-650			
Conn. Diag	005010.01			
Additional Specifications:				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

