

PRODUCT INFORMATION PACKET



Model No: CZ6T17VC10D

Catalog No: 114394.00

1/2HP..1725RPM.56.TENV.208-230/460V.3PH.60HZ.CONT.NOT.40C.1.15SF.C FACE.SUPER
DUCK.CZ6T17VC10D

Paint Free



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Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	1.6/0.80 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	78.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	K	Frame	56C
Enclosure	Totally Enclosed Non Ventilated	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	55		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Round	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	11.06 in	Frame Length	6.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	029068-600	Connection Diagram	005010.01

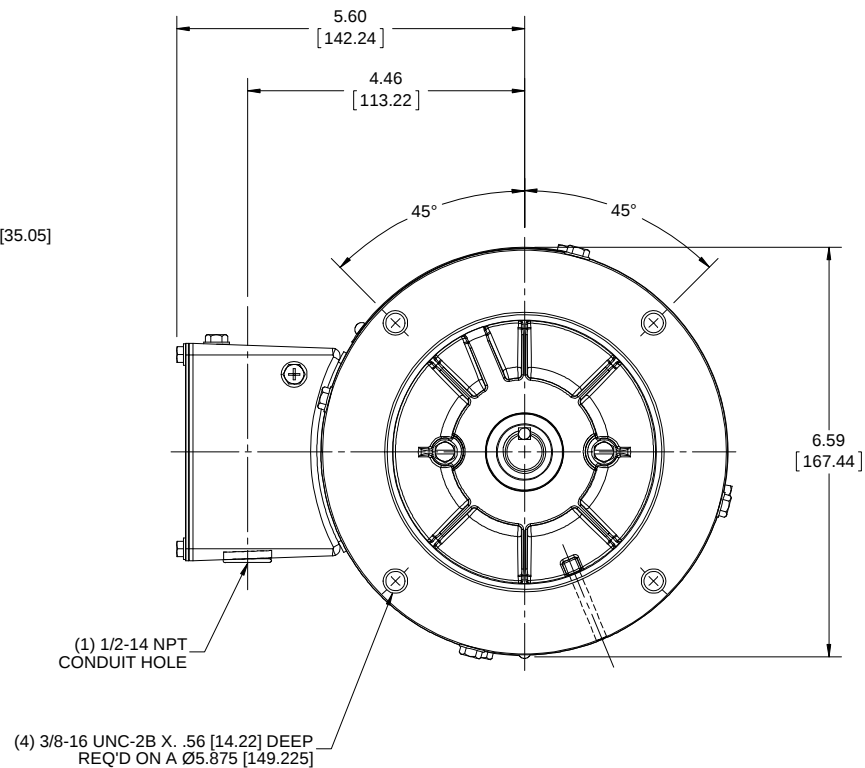
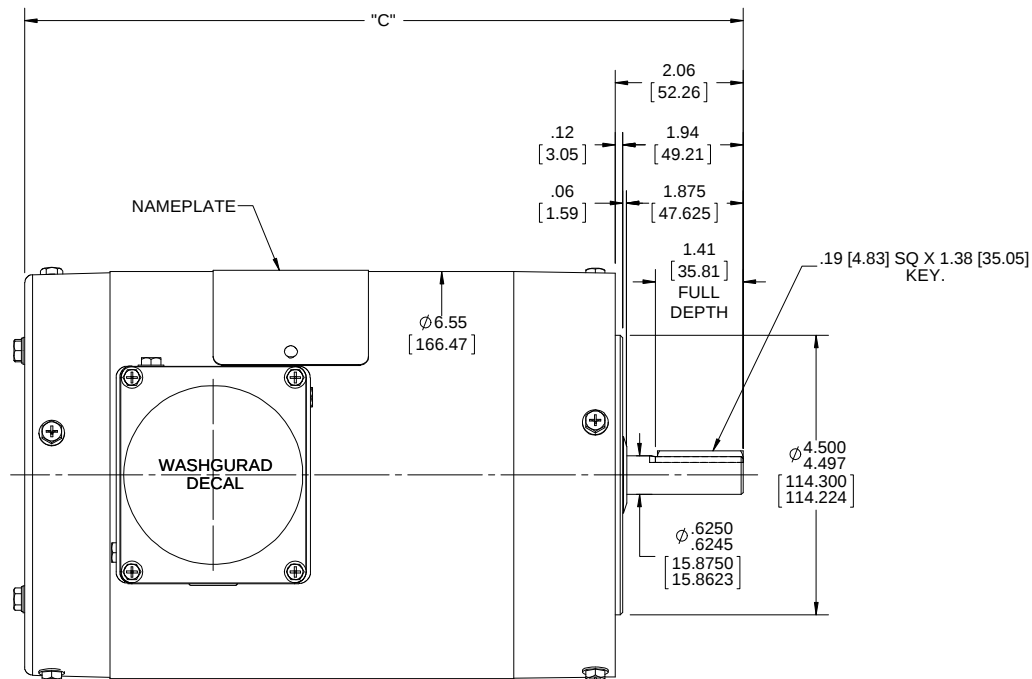
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WASHGUARD II / BISSC MOTOR

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]

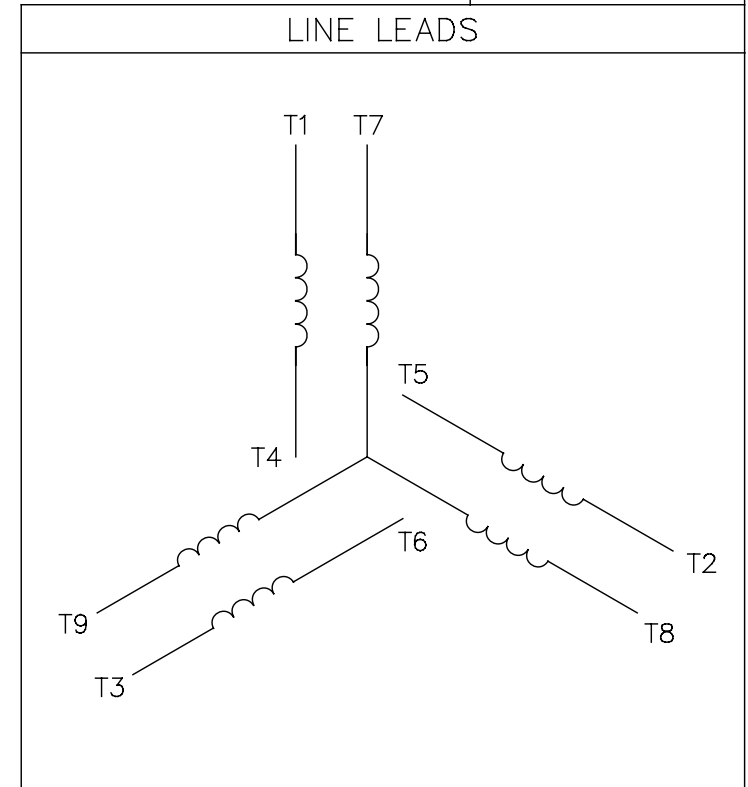
DRAWING REVISION	REVISION BY	DATE
ECO	APPROVED BY	DATE
ECO-0136357		
ECO DESCRIPTION		
OUTLINE CONVERSION PROJECT		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP			
EDGES: .003/.015 [0.076/.381] X 45°			
CORNER FILLETS: R.02 [.51]			
MACHINED SURFACES: 125/3.2			
mm SHOWN IN [BRACKETS]			

DRAWN BY	A SUPPANAVER	REGAL™ Regal Beloit America, Inc.	
DATE	02/13/2018	DESCRIPTION	
APPROVED BY	PK	OUTLINE	
DATE	05/23/2018	56 FRAME C-FACE-BISSC MOTOR	
REFERENCE	034293	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION		SIZE	DRAWING NUMBER
		B	029068
			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		 Regal Beloit America, Inc.			DRAWN RDW 04/12/02		
				DEC.	INCHES				CHK		
				.X	±.1				APPD		
				.XX	±.01				SCALE 1=1		
				.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR			REF FIG.2-51		
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005				MAT'L. DECAL - 004014		
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 A	DRAWING NO. 005010-01		REV. A
				DIST BRF-NLV							

Data Sheet

Date: 1/18/2018

114394.00



Data @ 460 V

Motor Load Data

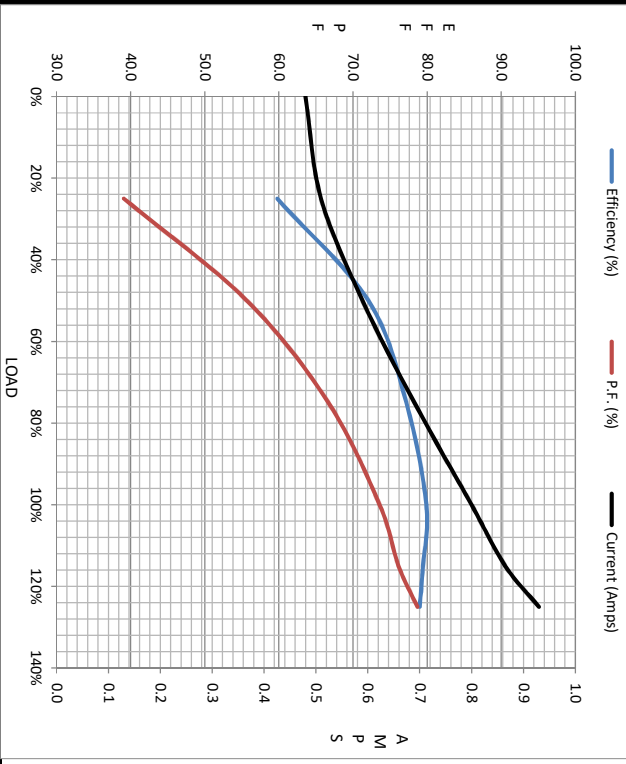
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.48	0.51	0.59	0.69	0.80	0.87	0.93	5.6	
Torque (ft-lb)	0.00	95.7	191	287	383	6,875	479	1,353	
RPM	1800	1785	1772	1759	1746	1,739	1729	0	
Efficiency (%)		59.8	72.1	77.2	79.9	79.5	79.0		
P.F. (%)	16.1	39.1	55.7	66.7	73.6	76.2	78.7	0.0	

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 wk²	0.09 Lb-Ft²			
Ref Wdg	T634250 NR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	NONE			
Outline Dwg	034293-600			
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

