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

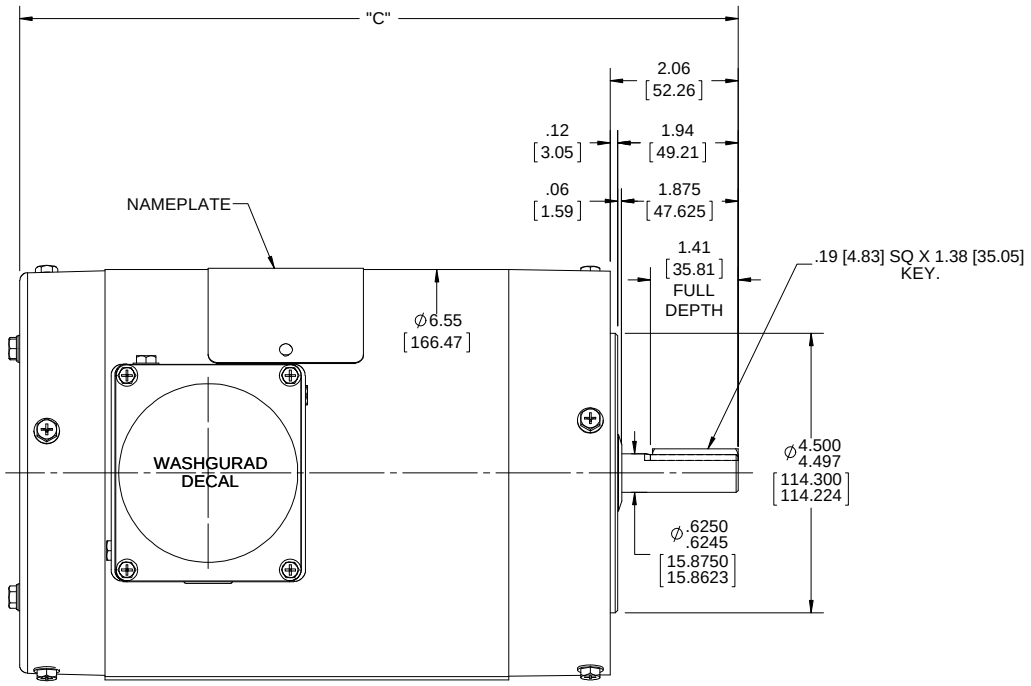
Paint Free

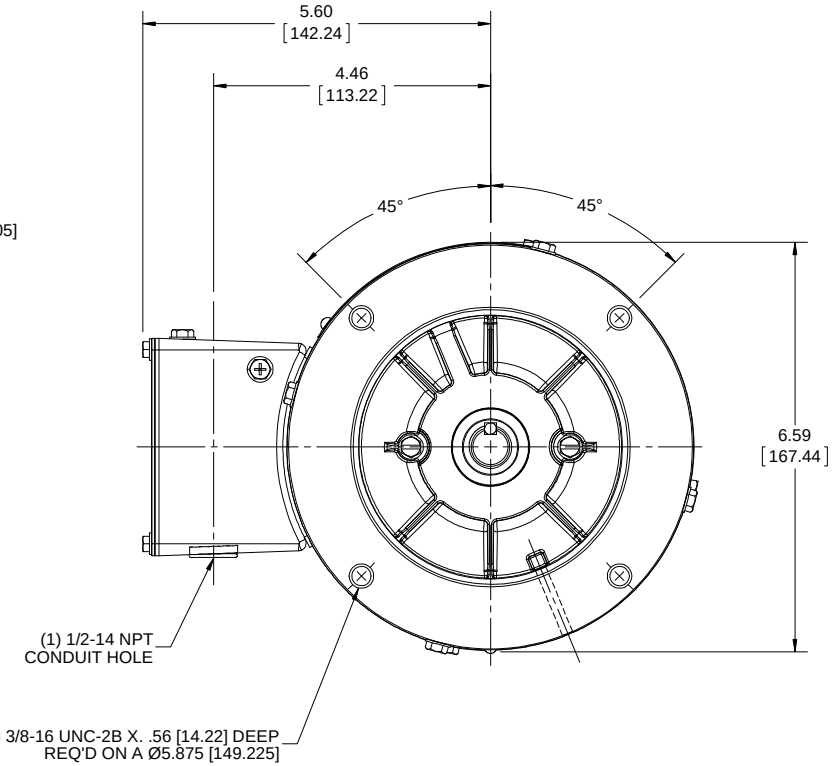
Nameplate Specifications

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**





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	APPROVED BY	DATE
ECO-0136357		
ECO DESCRIPTION		
OUTLINE CONVERSION PROJECT		

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 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125 INCH / 3.2 mm
mm SHOWN IN [BRACKETS]

DRAWN BY	
A SUPPANNAVAR	
DATE	
02/13/2018	
APPROVED BY	
PK	
DATE	
05/23/2018	
REFERENCE	
034293	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

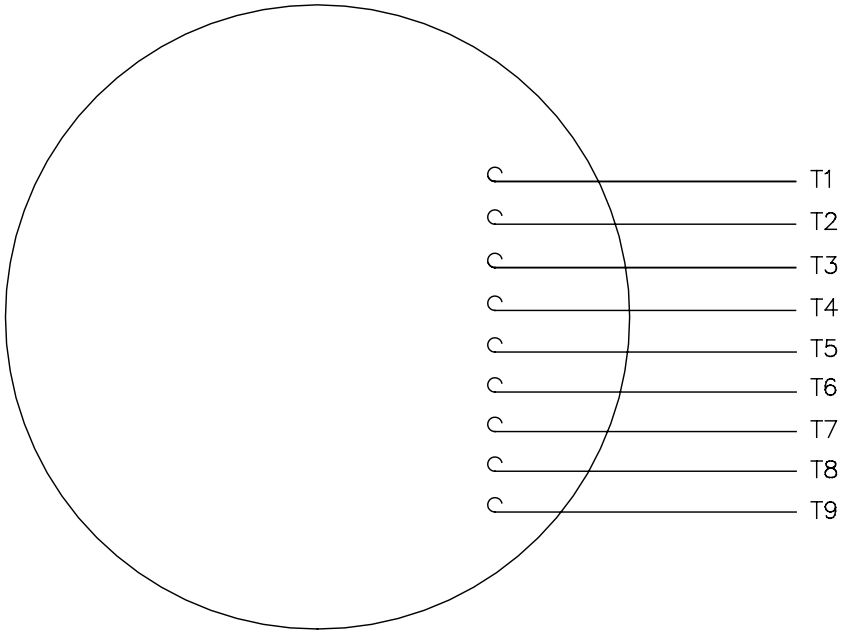
DESCRIPTION
OUTLINE
56 FRAME C-FACE-BISSC MOTOR

MATERIAL | PROCESS/FINISH

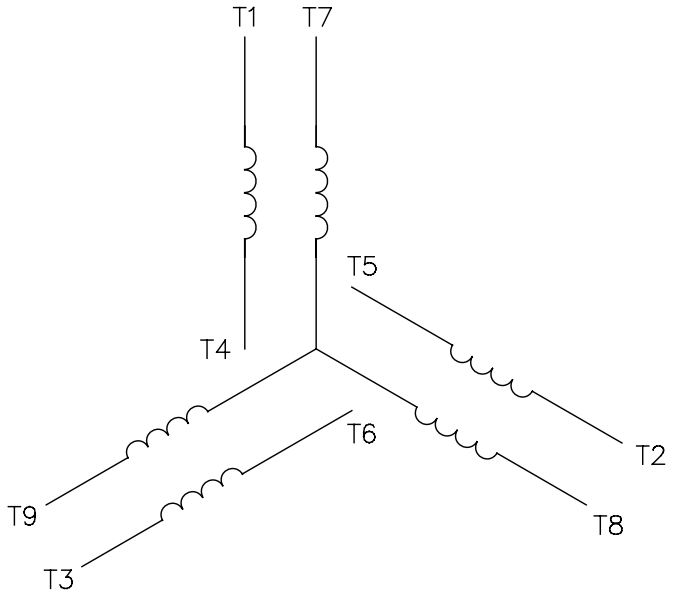
SIZE	DRAWING NUMBER	SHEET
B	029068	1 OF 1

005010-01

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

NO.	REVISION	BY & DATE	CHK
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

REGAL™ Regal Beloit America, Inc.

TITLE: EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR

MAT'L. DECAL – 004014

FINISH

CAD FILE 00501001

RFP 04/12/02

DIST BRF-NLV

DRAWN RDW 04/12/02 | CHK | APPD | SCALE 1=1 | REF FIG.2-51 | FMF | PREV

SIZE A | DRAWING NO. 005010-01 | REV. A

Data Sheet

Date: 1/18/2018

LEESON

114394.00

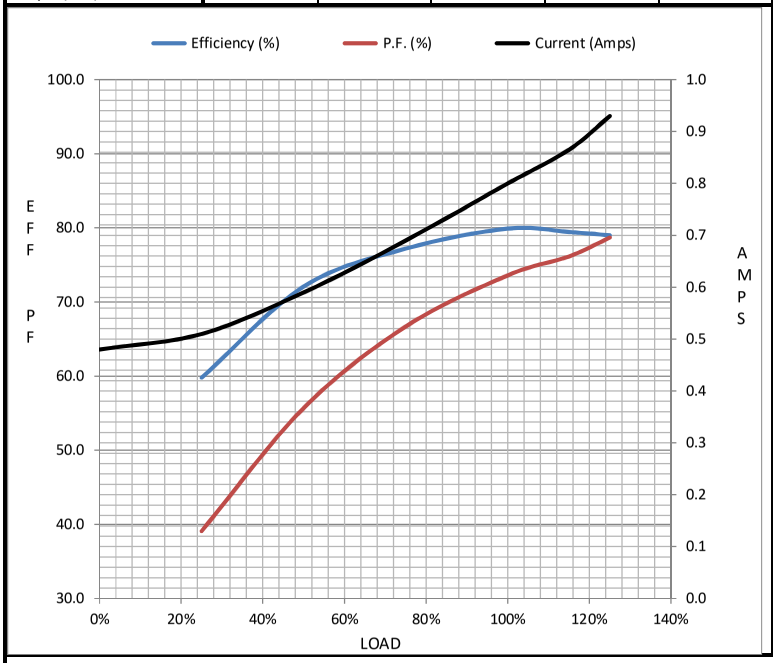
Data @ 460 V

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