

PRODUCT INFORMATION PACKET



Model No: CZ6T34TC1D

Catalog No: 117126.00

..1/2HP..3450RPM.56.TENV.208-230/460V.3PH.60HZ.CONT.40C.1.15SF.C
FACE.CZ6T34TC1.....EXTREME DUCK.NOT.....

Encapsulated



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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	1.7-1.6/0.80 A	Speed	3450 rpm
Service Factor	1.15	Phase	3
Efficiency	82.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	M	Frame	56C
Enclosure	Totally Enclosed Non Ventilated	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	69		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	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	10.47 in	Frame Length	5.25 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	028768-525	Connection Diagram	005010.52

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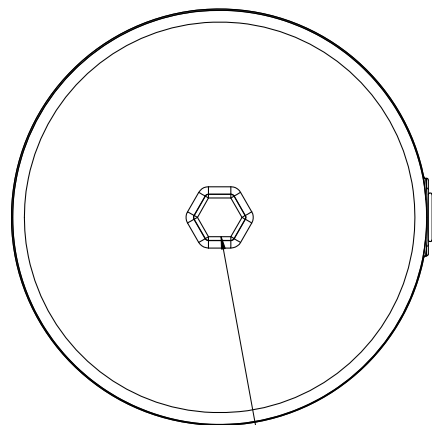
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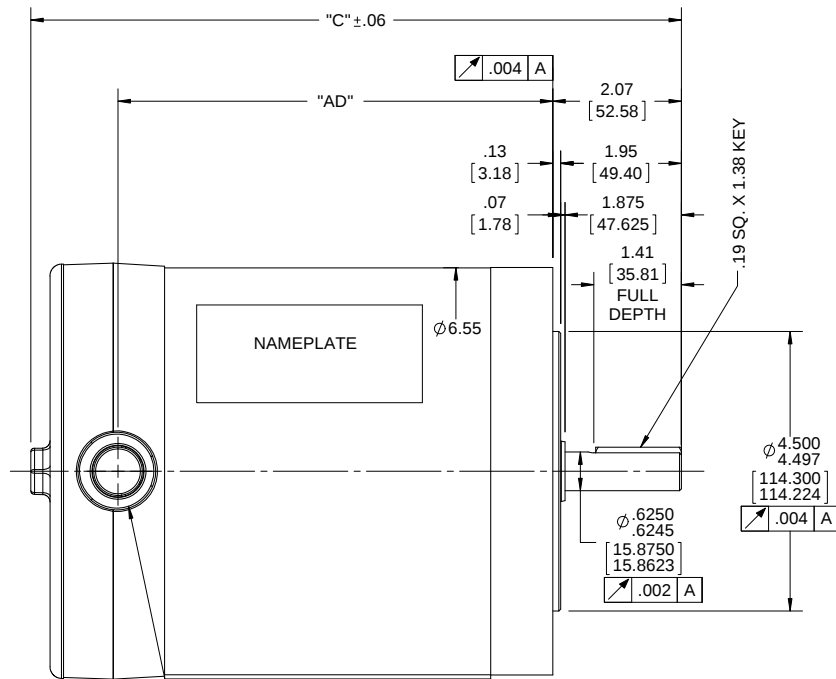
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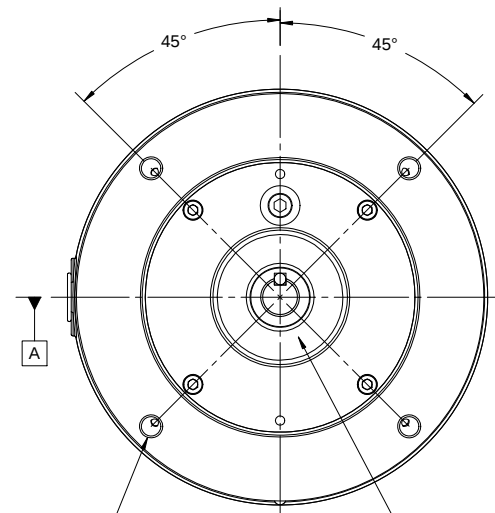


3/4" HEX DRIVER
FOR COVER
REMOVAL



1/2-14 NPT CONDUIT
HOLE

DASH NO.	"C"	"AD"
525	10.47	7.00
550	10.72	7.25
575	10.97	7.50
600	11.22	7.75
625	11.47	8.00
650	11.72	8.25
675	11.97	8.50
700	12.22	8.75
800	13.22	9.75



(4) 3/8-16 UNC-2B X .56
DEEP ON A Ø5.875 B.C.

SHAFT
SEAL

A

A

DRAWING REVISION C	REVISION BY AS	DATE 06/01/2017
ECO ECO-0119080	APPROVED BY JD	DATE 06/01/2017
ECO DESCRIPTION ADDED ITEM #800		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:		
DEC.	INCH	mm
.X	±0.1	[±2.5]
.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: 200 5.1 INCH mm		
mm SHOWN IN [BRACKETS]		

DRAWN BY LST 9/4/09	DATE
APPROVED BY	DATE
REFERENCE	THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION OUTLINE TENV "C" FACE	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER 028768
SHEET 1 OF 1	

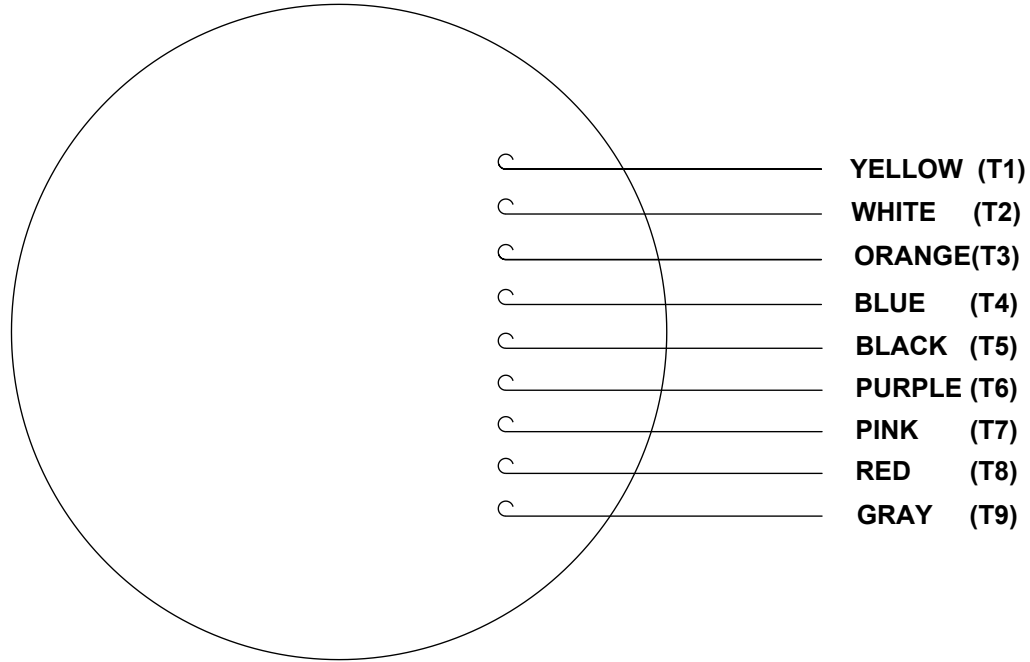
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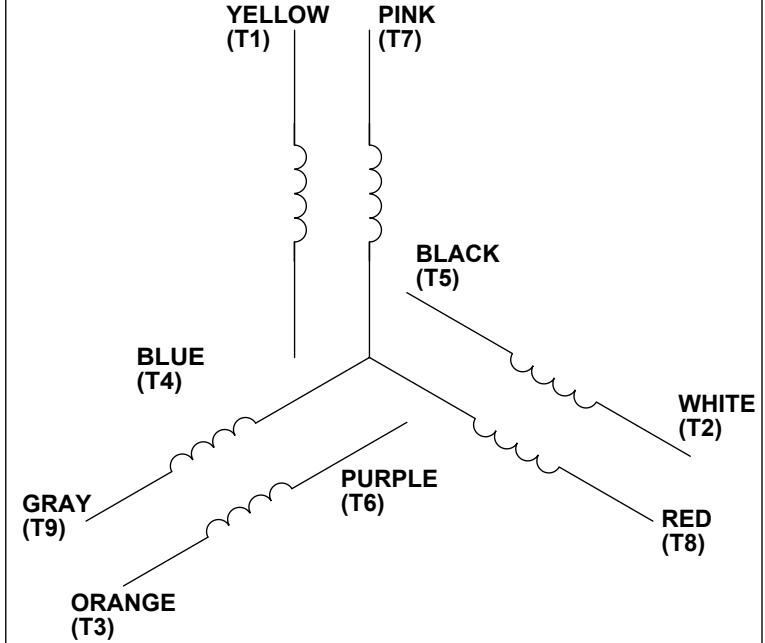
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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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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DRAWING REVISION C	REVISION BY PVR	DATE 04/23/14	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.01 [±0.25] XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] CORNER FILLETS: .02 [.51] MACHINED SURFACES: 125/3.2/INCH mm mm SHOWN IN [BRACKETS]	DRAWN BY LST	REGAL™ Regal Beloit America, Inc.				
ECO ECO-0049985	APPROVED BY JD	DATE 04/23/14		DATE 4/3/14					
ECO DESCRIPTION UPDATED PER ECO-0049985				APPROVED BY	DESCRIPTION LEAD ASSY EXT. WIRING DIA. 3 PH. W/O PROT.				
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				PROCESS/FINISH					
			THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER 00501052	SHEET 1 OF 1		

Data Sheet

Date: 1/23/2018

117126.00



Data @ 460 V

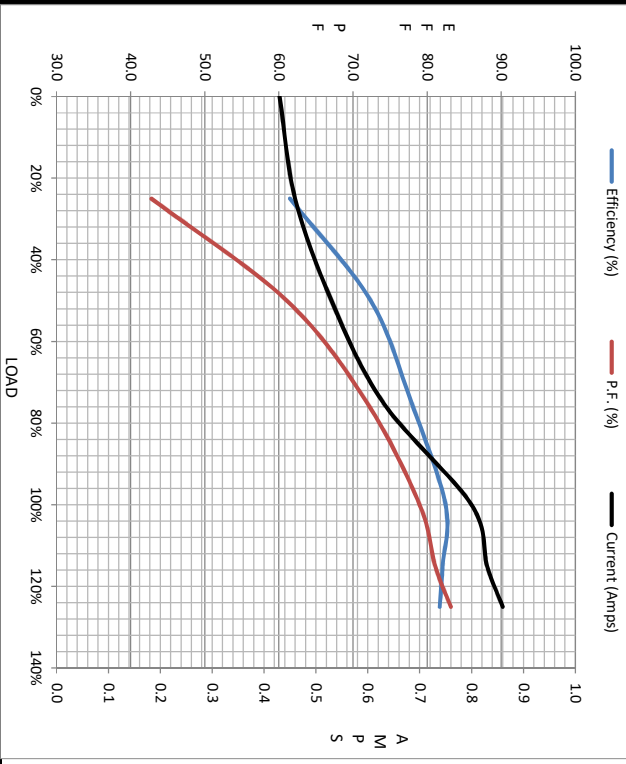
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.43	0.46	0.53	0.63	0.80	0.83	0.86	7.0
Torque (ft-lb)	0.00	0.19	0.37	0.56	0.75	0.85	0.94	2.53
RPM	3600	3576	3556	3535	3510	3502	3489	0
Efficiency (%)		61.5	72.4	77.9	82.5	82.1	81.7	
P.F. (%)	24.5	42.8	61.1	71.9	79.0	81.1	83.2	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	2700	3510	3600
Current (Amps)	7.0	6.4	4.2	0.80	0.43
Torque (ft-lb)	2.53	2.30	3.6	0.75	0.00

Information Block	
HP	0.5
Sync. RPM	3600



Enclosure		TENV		
Construction		TTW		
Voltage		208-230/460# 90/380 V		
Frequency		60 Hz		
Design		B		
LR Code letter		M		
Service Factor		1.15		
Temp Rise @ FL		60 °C		
Duty		CONT		
Ambient		40 °C		
Elevation		1,000 feet		
Rotor/Shaft wk²		0.04 Lb-Ft²		
Ref Wdg		T632165 NR		
Sound Pressure @ 1M		65 dBA		
VFD Rating		NONE		
Outline Dwg		028768-525		
Conn. Diag		005010.52		
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

