

PRODUCT INFORMATION PACKET



Model No: CZ6T17UC1B

Catalog No: 119512.00

119512.00..1HP..1800RPM.56C.TEFC.230/460V.3PH.60/50.CONT.40C.1.15SF.C
FACE.CZ6T17UC1.....STAINLESS EXTREME DUCK.T-STAT.....

Encapsulated



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Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	3.2-3.2/1.6 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	85.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	N	Frame	56C
Enclosure	Totally Enclosed Fan Cooled	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 Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Round	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Stainless Steel	Shaft Type	NEMA 56
Overall Length	11.94 in	Frame Length	7.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	607-0175-700	Connection Diagram	005010.52

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3

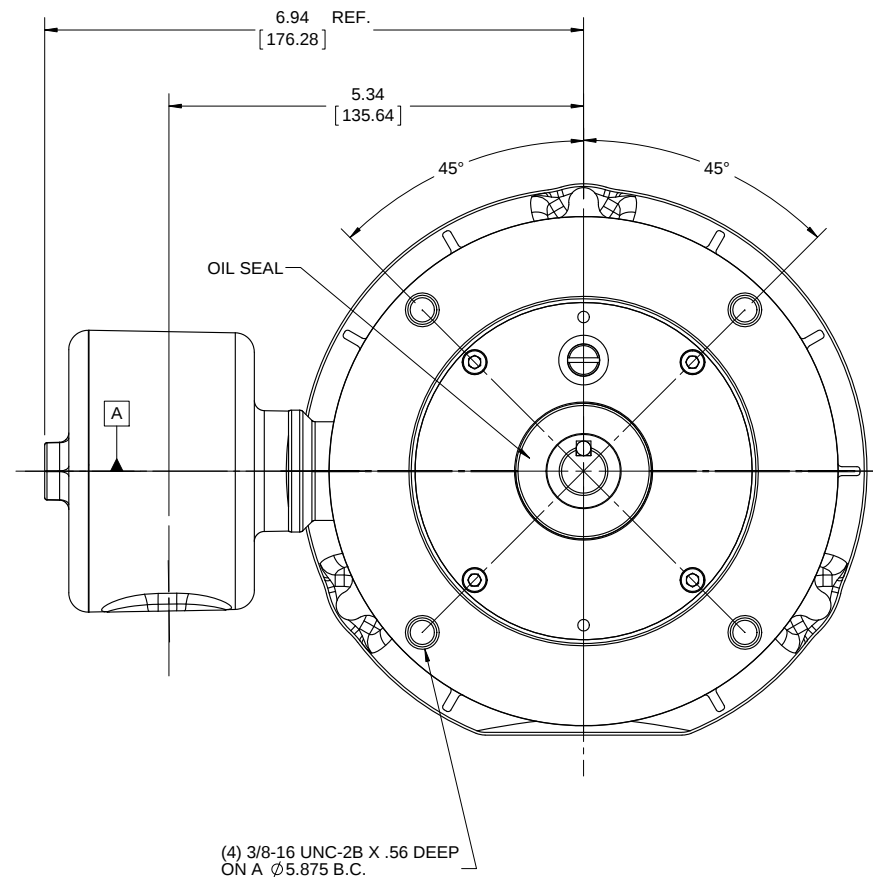
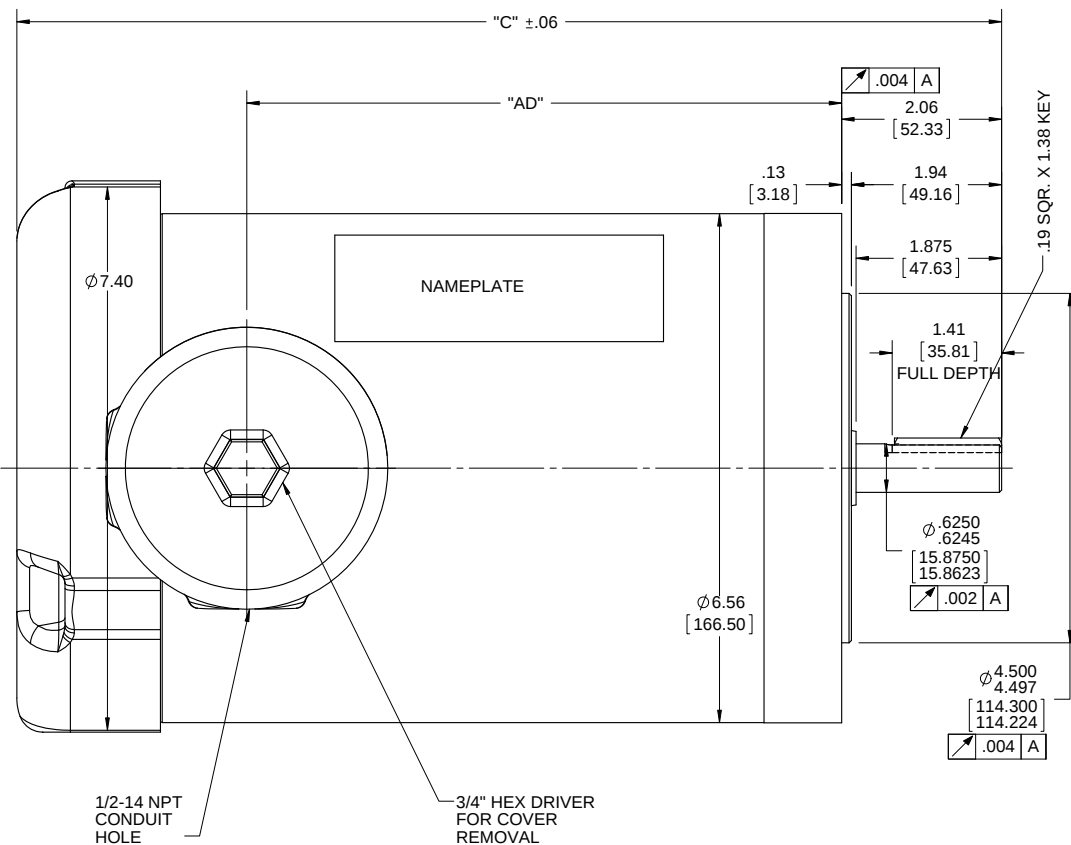
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1

B

B



A

A

DASH NO.	"C"	"AD"
525	10.19	5.16
625	11.19	6.16
675	11.69	6.66
700	11.94	6.91
725	12.19	7.16
750	12.44	7.41
775	12.69	7.66
800	12.94	7.91
825	13.19	8.16
850	13.44	8.41

DRAWING REVISION F	REVISION BY AS	DATE 11/23/16
ECO ECO-0113507	APPROVED BY JD	DATE 11/23/16
ECO DESCRIPTION ADDED DASH # 700 & # 850		
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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 [0.076/3.81]			
CORNER FILLETS: .02 [51]			
MACHINED SURFACES: 125 $\sqrt{\text{mm}}$ 3.2 $\sqrt{\text{mm}}$			
mm SHOWN IN [BRACKETS]			

DRAWN BY LST	DATE 6/12/14
APPROVED BY	DATE
REFERENCE	THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION MOTOR ASSY 56C FRAME - TEFC - "C" FACE	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER 607-0175
SHEET 1 OF 1	

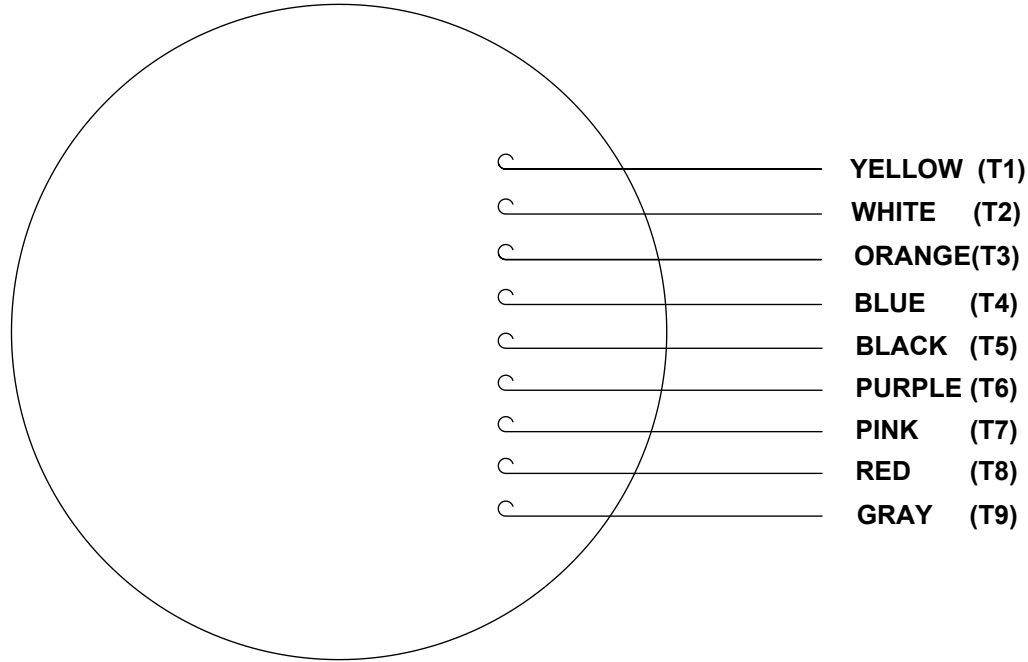
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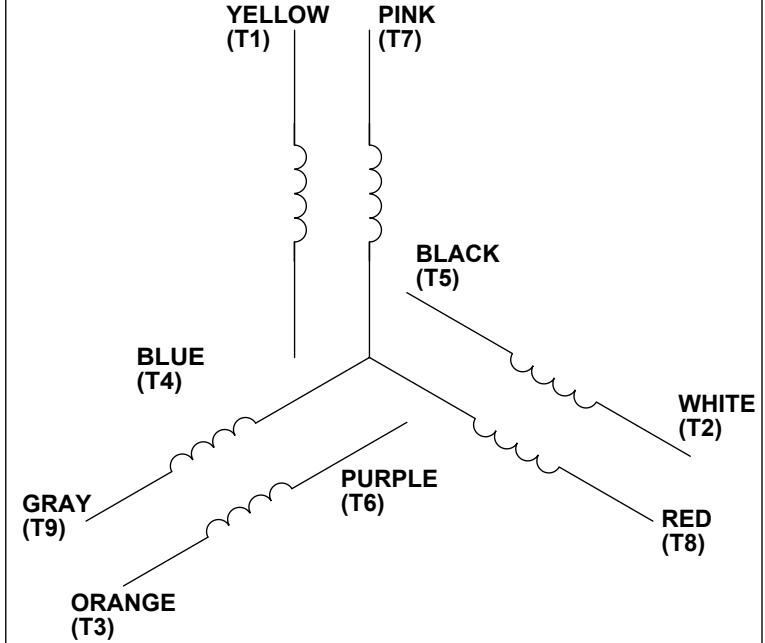
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1

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	REGALTM Regal Beloit America, Inc.			
ECO ECO-0049985	APPROVED BY JD	DATE 04/23/14		DATE 4/3/14	DESCRIPTION LEAD ASSY EXT. WIRING DIA. 3 PH. W/O PROT.			
ECO DESCRIPTION UPDATED PER ECO-0049985				APPROVED BY				
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				PROCESS/FINISH				
						THIRD ANGLE PROJECTION		SIZE A

Data Sheet

Date: 1/23/2018

11951200



Data @ 460 V

Motor Load Data

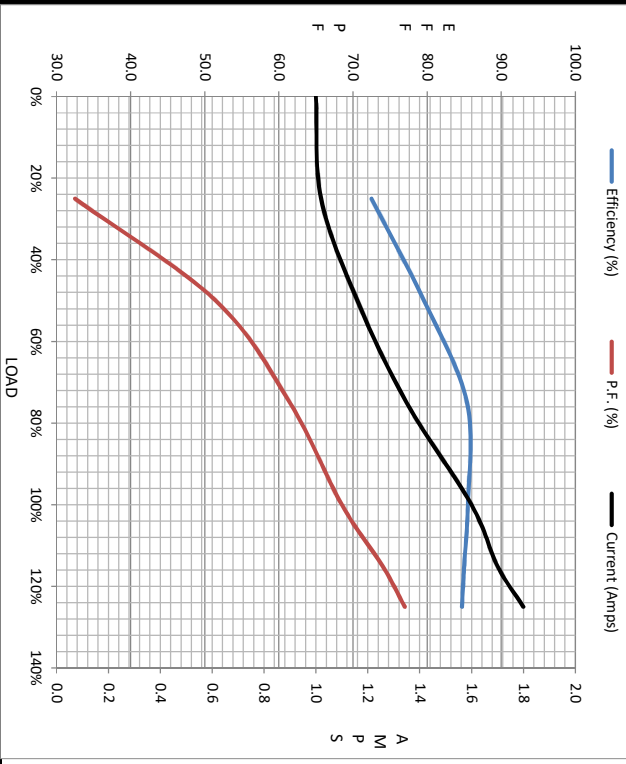
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.00	1.02	1.16	1.35	1.60	1.70	1.80	14.0
Torque (ft-lb)	0.00	0.75	1.50	2.25	3.0	3.5	3.8	12.0
RPM	1800	1789	1779	1769	1760	1,750	1745	0
Efficiency (%)		72.5	79.6	85.4	85.5	85.0	84.7	
P.F. (%)	8.0	32.5	51.5	61.5	68.5	74.0	77.0	41.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1170	1760	1800
Current (Amps)	14.0	13.0	9.9	1.60	1.00
Torque (ft-lb)	12.0	11.9	15.8	3.0	0.00

Information Block

HP	1.0			
Sync. RPM	1800			
Frame	140			
Enclosure	TEFC			
Construction	TFR			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	38 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.12 Lb-Ft²			
Rel Wdg	T634342 FR			
Sound Pressure @ 1M	65 dBA			
VFD Rating	CONSTANT 6:1			
Outline Dwg	607-0175-700			
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

