

PRODUCT INFORMATION PACKET



Model No: CZ6T34VK19A

Catalog No: 117269.00

..1/2HP..3450RPM.56H.TENV.208-230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID
C.CZ6T34VK19A.....NOT.....

3 Phase



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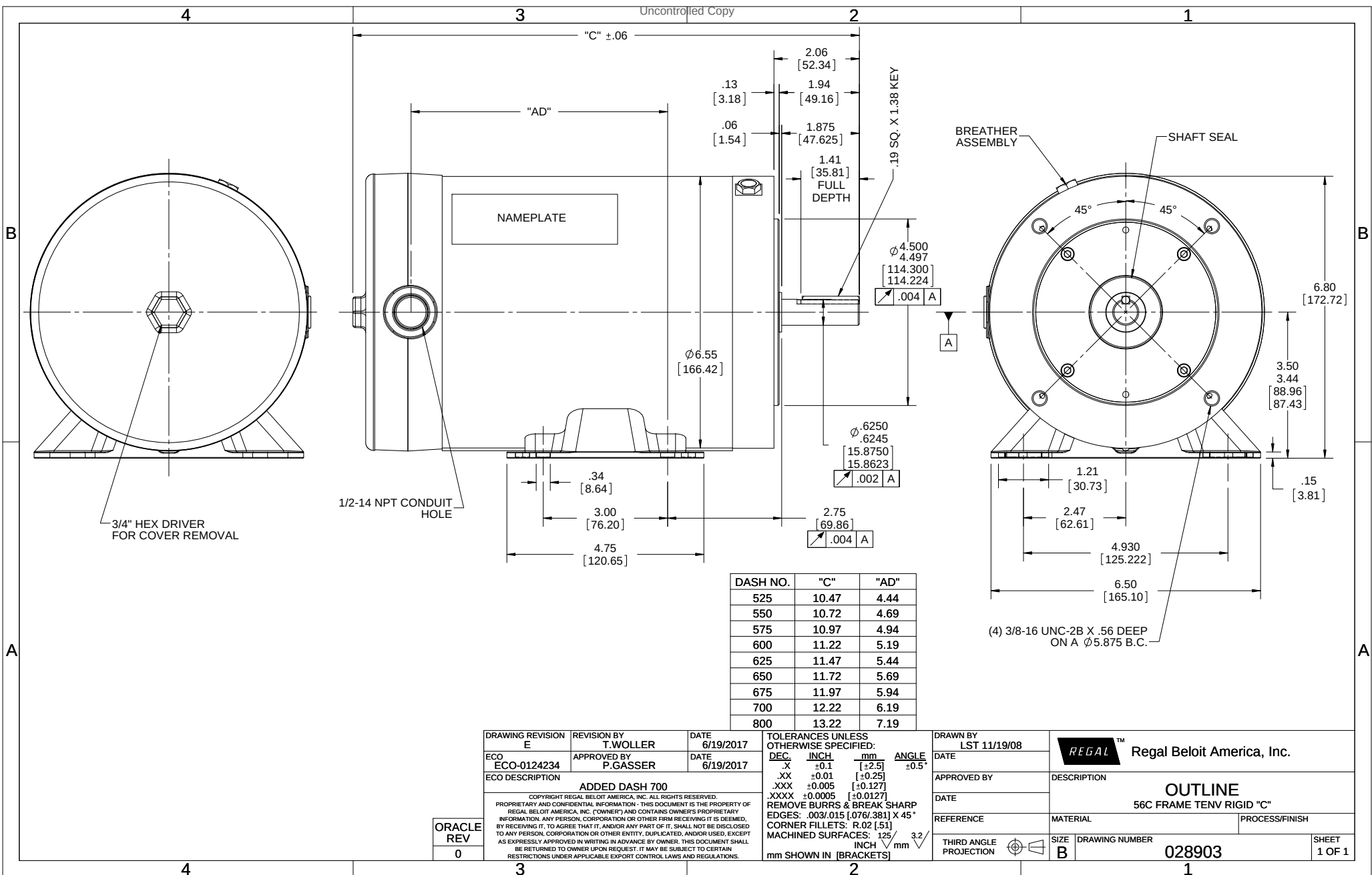


Nameplate Specifications

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	56HC
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	56		

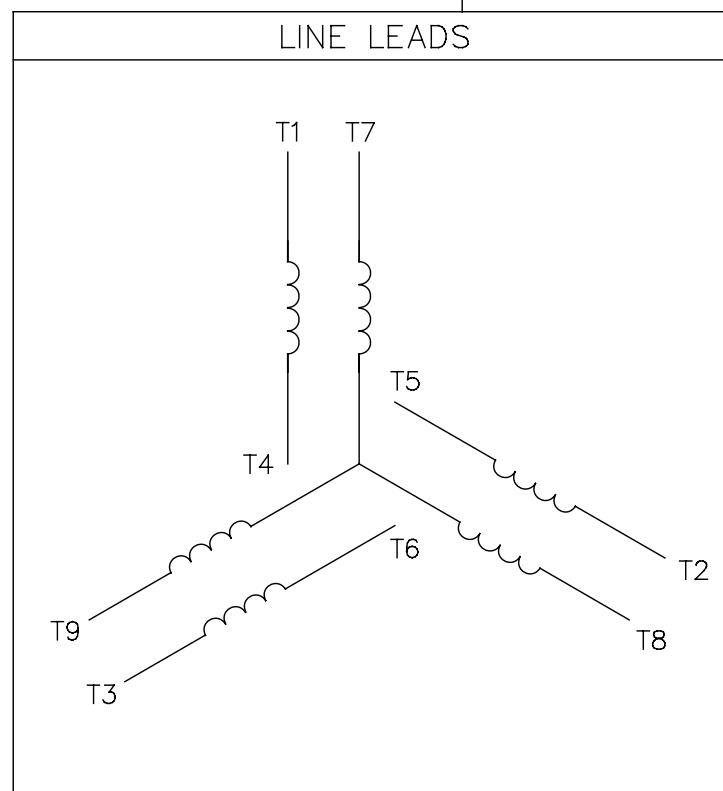
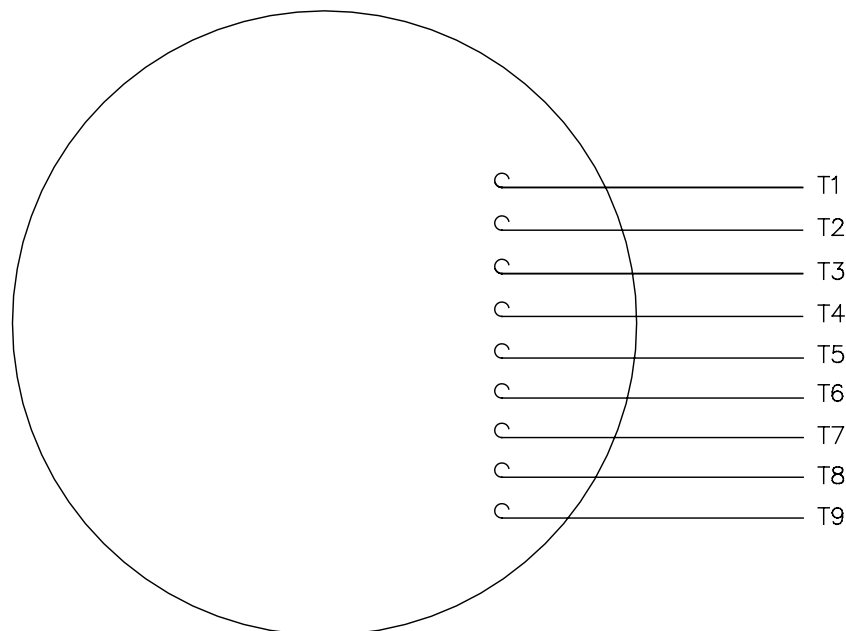
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Stainless 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	028903-525	Connection Diagram	005010.01



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					
				.XXX	±.005	TITLE		EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR		
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		SIZE A	DRAWING NO. 005010-01	REV A
				DIST		BRF-NLV				



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01
OUTLINE: 028903-525
WINDING: T632165

CAT #: 117269.00

NR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN				
0.5	0.37	3600	3510	56HC	TENV	TTW	M	B				
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.			
3	60/50	208-230/460#190/380	1.7-1.45/72&18/9	LINE OR INVERTER	CONT	F	1.15	40	3300			
F.L. EFF		82.5	3/4 LD EFF	77.9	1/2 LD EFF	72.4	GTD EFF	ELECT. TYPE				
F.L. PF		79.0	3/4 LD PF	71.9	1/2 LD PF	61.1	0.0	SQ CAGE INVERTED				
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)				
0.75	LB-FT	7.0		2.53 LB-FT		337%		3.6 LB-FT	480%	60		
PRESSURE @ 3		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME		STARTS/HOUR	MOTOR WGT	
65	DBA	74	DBA	0.04	LB-FT²	0	LB-FT²	0	SEC.	0	LB.	

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	NO PAINT
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE CODE								
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	303 STAINLESS (C-501)	STAINLESS STEEL	
6205	6205							
THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS		
NONE	NOT	NONE	NONE	NONE	FALSE	NA		
R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT		
0	0	0	0	0	0.080	ODE		

INVERTER TORQUE: CONSTANT 6:1
INV. HP SPEED RANGE: NONE

ENCODER: NONE
BRAKE: NONE
FT-LB: NA
VOLTAGE: NONE
HZ: NONE

DATE: 1/23/2018

UL: Y-(LEESON UL REC)

Data Sheet

Date: 1/23/2018

117269.00



Data @ 460 V

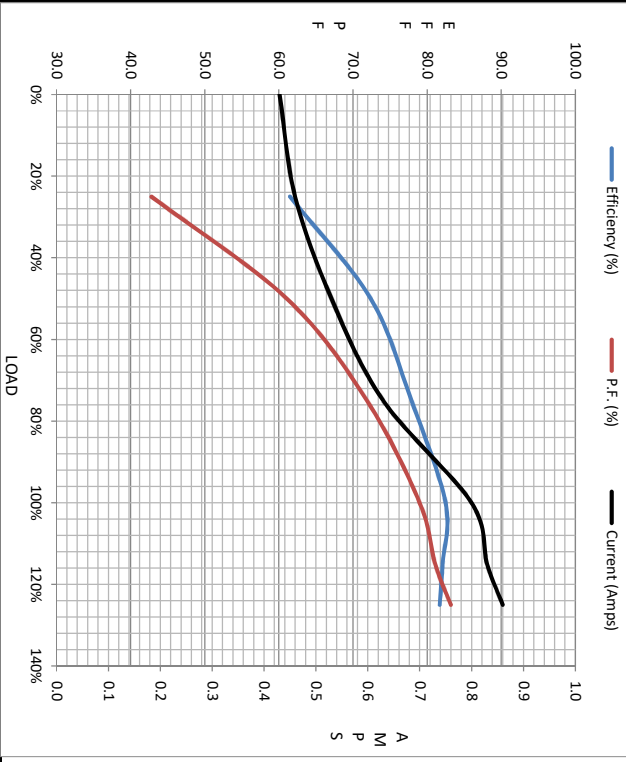
Motor Load Data

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	
Torque (ft-lb)	0.00	0.19	0.37	0.56	0.75	0.85	0.94	7.0
RPM	3600	3576	3556	3535	3510	3502	3489	2.53
Efficiency (%)		61.5	72.4	77.9	82.5	82.1	81.7	0
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

HP	0.5
Sync. RPM	3600
Frame	140
Enclosure	TENV
Construction	TTW
Voltage	208-230/460#190/380 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 wk ²	0.04 lb-Ft ²
Ref Wdg	T632165 NR
Sound Pressure @ 1M	65 dBA
VFD Rating	CONSTANT 6:1
Outline Dwg	028903-525
Conn. Diag	005010.01
Additional Specifications:	
0	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	0.0000



Efficiency (%)	
P.F. (%)	
Current (Amps)	

Speed -Torque Curve

