

PRODUCT INFORMATION PACKET



Model No: CZ6T17VK54A

Catalog No: 117902.00

..3/4HP..1725RPM.56HC.TENV.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID-C
FACE.CZ6T17VK54.....STAINLESS WITH SGR.NONE.....

3 Phase



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Nameplate Specifications

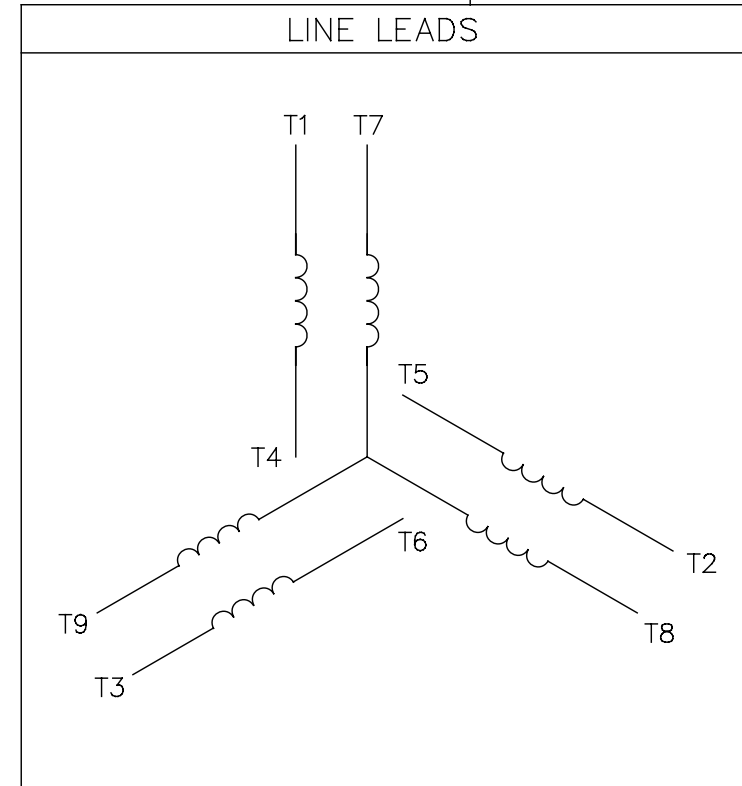
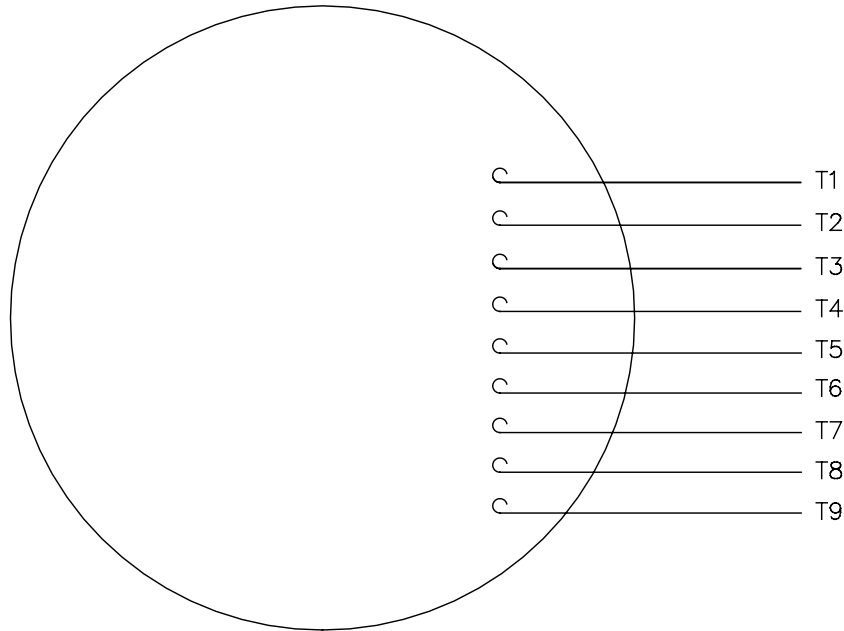
Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	2.4-2.3/1.2 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	80 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	L	Frame	56C
Enclosure	Totally Enclosed Non Ventilated	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	Y
IP Code	55		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	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	11.72 in	Frame Length	6.50 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	028903-650	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		SCALE 1=1	
				.XXX	±.005		REF FIG.2-51	
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005	TITLE	EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR	
							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
				DIST	BRF-NLV			A
							DRAWING NO.	
							005010-01	
							REV.	
							A	



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM 005010.01
OUTLINE: 028903-650
WINDING: T634252

NR 3

CAT #:

117902.00

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
0.75	0.56	1800	1753	56C	TENV	NA	L	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	208-230/460#190/380	2.4/2.25/1.1&1.8/9	LINE OR INVERTER	CONT	F	1.15	40	3300
F.L. EFF	81.2	3/4 LD EFF	79.1	1/2 LD EFF	74.5	GTD EFF	ELECT. TYPE		
F.L. PF	77.3	3/4 LD PF	70.5	1/2 LD PF	59.4	0.0	SQ CAGE INV RATED		
F.L. TORQUE	LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)		
577 LB-FT	9.1		1.772 LB-FT 307%		2.384 LB-FT 413%		82		
PRESSURE @	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT			
999 dBA	1008 dBA	0.11 LB-FT²	0.1 LB-FT²	10 SEC.	0	0 LB.			

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP 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 ODE								
BALL BALL 6205	POLYREX EM	STANDARD 56	NONE	NONE	303 STAINLESS (C-501)	STAINLESS STEEL		
THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS		
NONE	NOT	NONE	NONE	NONE	FALSE	NA		
R1 (ohms/ph) 0	R2 (ohms/ph) 0	X1 (ohms/ph) 0	X2 (ohms/ph) 0	Xm (ohms/ph) 0	VIBRATION (in/sec) 0.080	FLOAT ODE		

* N O T E S *			INVERTER TORQUE: CONSTANT 3:1 INV. HP SPEED RANGE: NONE
		ENCODER: NONE	NONE PPR
		BRAKE: NONE	NONE
		FT-LB: NONE	NA
		VOLTAGE: NONE	NONE
DATE: 1/31/2018		UL: Y(LEESON UL REC)	
		HZ:	

Data Sheet

Date: 1/31/2018

117902.00



Data @ 460 V

Motor Load Data

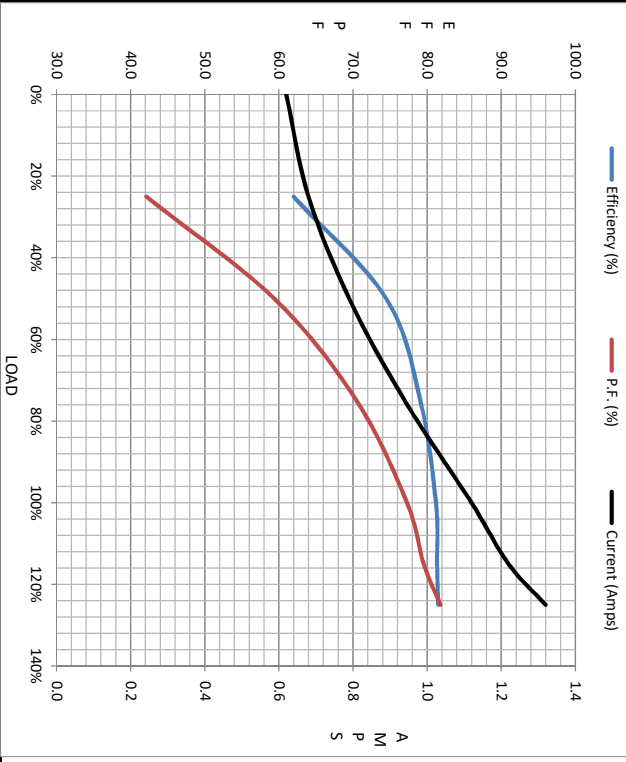
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.62	0.68	0.79	0.94	1.12	1.22	1.32	9.1	
Torque (ft-lb)	0.00	143	285	429	577	10,434	726	1,772	
RPM	1800	1788	1777	1765	1753	1,748	1,740	0	
Efficiency (%)		62.0	74.5	79.1	81.2	81.4	81.5		
P.F. (%)	17.0	42.1	59.4	70.5	77.3	79.6	81.8	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	129	1314	1753	1800
Current (Amps)	9.1	9.1	5.5	1.12	0.62
Torque (ft-lb)	1,772	1,671	2,384	577	0.00

Information Block

HP	0.8
Sync. RPM	1800
Frame	140
Enclosure	TENV
Construction	NA
Voltage	208-230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	L
Service Factor	1.15
Temp Rise @ FL	82 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk ²	0.11 Lb-Ft ²
Rel Wdg	T634252 NR
Sound Pressure @ 1M	999 dBA
VFD Rating	CONSTANT 3:1
Outline Dwg	028903-650
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



Speed -Torque Curve

