

PRODUCT INFORMATION PACKET



Model No: CZ145T17WK52A

Catalog No: 122030.00

..1 1/2HP..1750RPM.145TC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID-C
FACE.CZ145T17WK52.....STAINLESS WITH SGR.NONE.....

3 Phase



Regal and Leeson are trademarks of Regal Beloit Corporation or one of its affiliated companies.

©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E





Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.8/2.4 A	Speed	1750 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	L	Frame	145TC
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	55		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	12.75 in	Frame Length	7.75 in
Shaft Diameter	0.875 in	Shaft Extension	2.25 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	028929-775	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 ™ Regal Beloit America, Inc.		DRAWN RDW 04/12/02		
				DEC.	INCHES			CHK		
				.X	±.1			APPD		
				.XX	±.01			SCALE 1=1		
				.XXX	±.005	TITLE		REF FIG.2-51		
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005	MAT'L.		FMF		
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		SIZE	DRAWING NO.	REV.
				DIST	BRF-NLV	00501001		A	005010-01	A



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01
OUTLINE: 028929-775
WINDING: T634341

CAT #: 122030.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN					
1.5	1.1	1800	1750	145TC	TEFC	TFR	L	B					
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.				
3	60/50	230/460#208-230/460	4.8/2.4&5.6-5.6/2.8	ACROSS THE LINE	CONT	F	1.15	40	3300				
	F.L. EFF	86.5	3/4 LD EFF	87.2	1/2 LD EFF	84.0	GTD EFF		ELECT. TYPE				
	F.L. PF	67.7	3/4 LD PF	63.0	1/2 LD PF	55.0	0.0		SO CAGE IND RUN				
	F.L. TORQUE	LR AMPS @ 460 V	17.2	LB-FT	382%	20.4	LB-FT	45	F.L. RISE (°C)				
	4.5	LB-FT	18.5					453%					
	PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT						
	65	DBA	74	DBA	0.14	LB-FT²	0.1	LB-FT²	10	SEC.	3	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 DE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL		
BALL BALL 6205	POLYREX EM	T	NONE		1144 STRESSPROOF (C-223)	ROLLED STEEL		

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 ODE
0	0	0	0	0	0.080	

* N O T E S *	INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE	ENCODER: NONE NONE NONE	BRAKE: NONE NONE NONE	NONE PPR
---------------------------------	--	-------------------------------	-----------------------------	----------

DATE: 1/17/2018	UL: Y-(LEESON UL REC)	FT-LB: NA	NONE	HZ:
-----------------	-----------------------	-----------	------	-----



Motor Load Data						LR	
Load	0%	25%	50%	75%	100%	115%	125%
Current (Amps)	1.23	1.33	1.50	1.81	2.15	2.32	2.52
Torque (ft-lb)	0.00	1.10	2.25	3.4	4.5	5.2	5.6
RPM	1800	1785	1772	1760	1750	1738	1732
Efficiency (%)		74.4	84.0	87.2	88.5	86.0	85.5
P.F. (%)	9.9	35.5	55.0	63.0	67.7	75.0	80.0

Motor Speed Data						Information Block																					
LR	Pull-Up	BD	Rated	Idle		HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk ²	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	
LR	0	900	1600	1750	1800	1.5	1800	140	TEFC	TFR	230/460#208-230/460	60	B	L	1.15	45	CONT	40	1,000	0.14	T634341 FR	65	NONE	028929-775	005010.01		
Current (Amps)	18.5	16.1	12.1	2.15	1.23																						
Torque (ft-lb)	17.2	16.0	20.4	4.5	0.00																						

