

PRODUCT INFORMATION PACKET



Model No: CZ145T17WC49A

Catalog No: 122203.00

122203.00..1.5HP..1750RPM.145TC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.C
FACE.CZ145T17WC49.....WASHDOWN MOTORS.NONE.....

3 Phase



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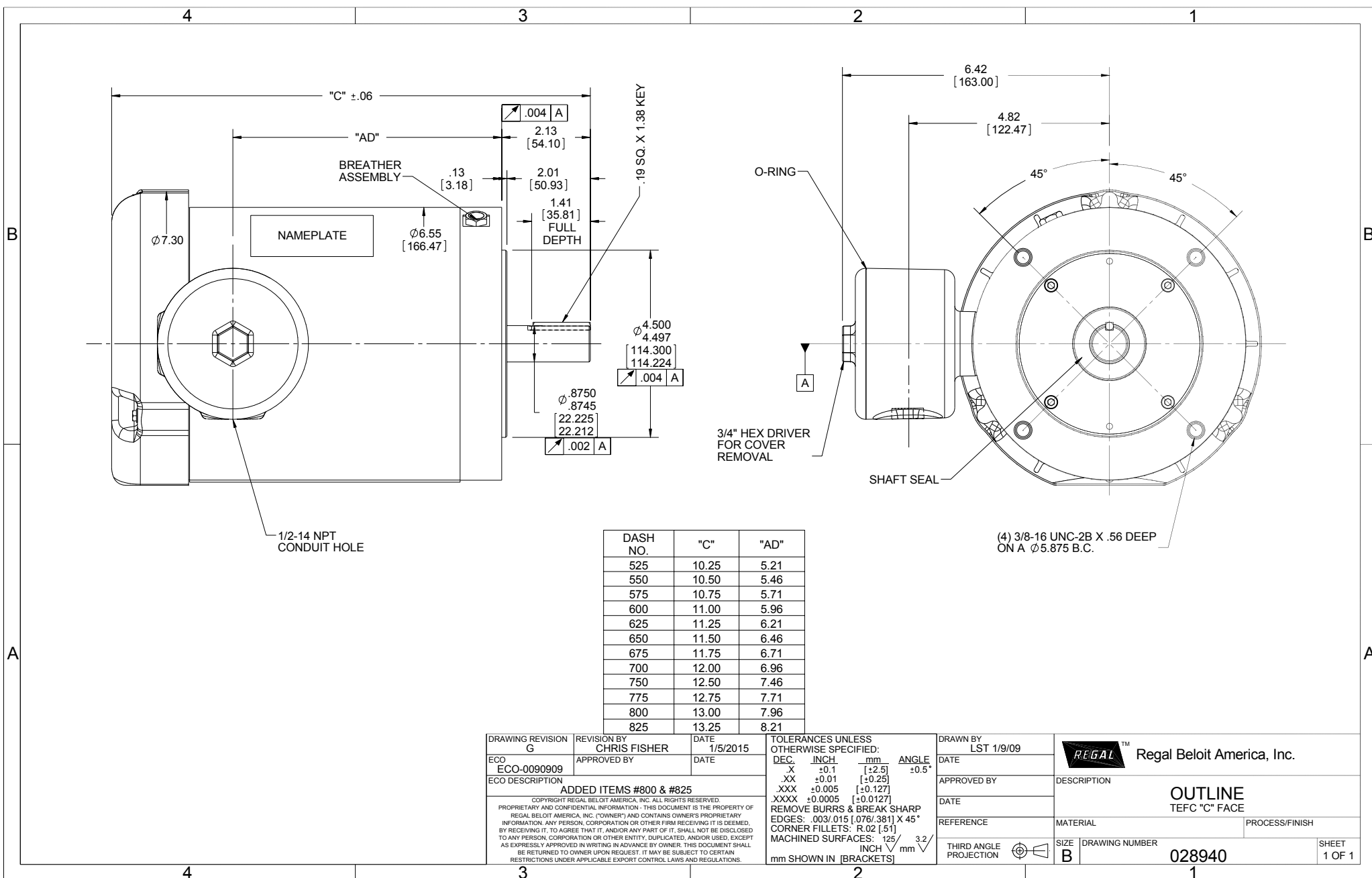
Nameplate Specifications

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	56		

Technical Specifications

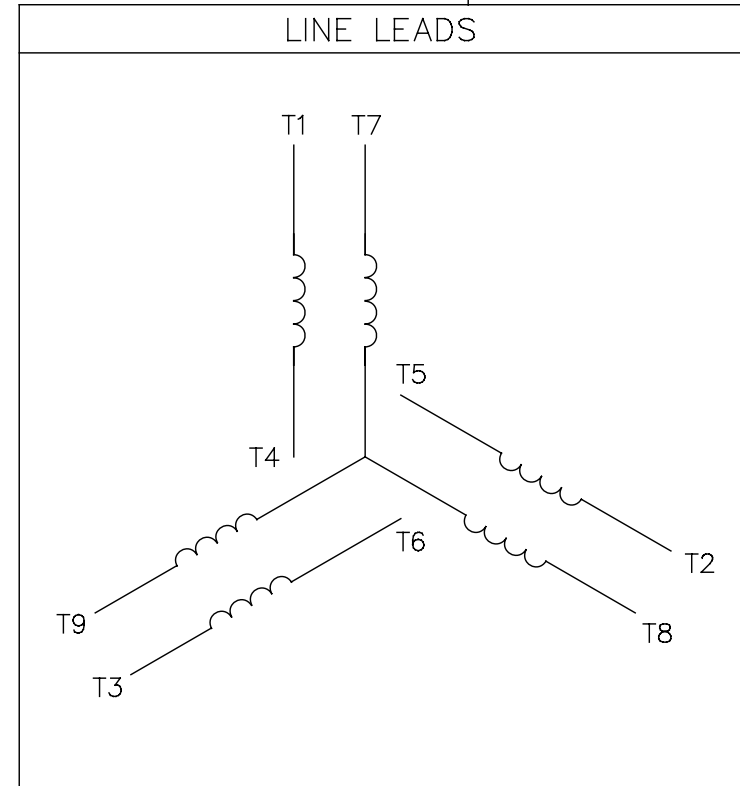
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Round	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Stainless Steel	Shaft Type	T
Overall Length	12.75 in	Frame Length	7.75 in
Shaft Diameter	0.875 in	Shaft Extension	2.25 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	028940-775	Connection Diagram	005010.01

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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	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR			REF FIG.2-51		
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		CAD FILE 00501001		SIZE	DRAWING NO.		REV.
				DIST BRF-NLV				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: 028940-775
WINDING: T634341

FR 3

CAT #: 122203.00

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#190/380	4.3/2.15&3.6/1.8	LINE OR INVERTER	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	SQ CAGE INVERTED					
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)					
4.5	LB-FT	18.5		17.2 LB-FT		382%		20.4 LB-FT	453%	45			
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	ROUND	HORIZONTAL	NO	NONE	NO	NONE	NO PAINT
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE	ODE							
BALL	BALL	POLYREX EM	T	140T	140T	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	NONE		

* N O T E S *		INVERTER TORQUE: VARIABLE 10:1 INV. HP SPEED RANGE: NONE	
		ENCODER: NONE	
		BRAKE: NONE	
		FT-LB: NA	
		VOLTAGE: NONE	
		UL: Y-(LEESON UL REC)	

DATE: 1/24/2018		HZ:	
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Data Sheet

Date: 1/24/2018

122203.00



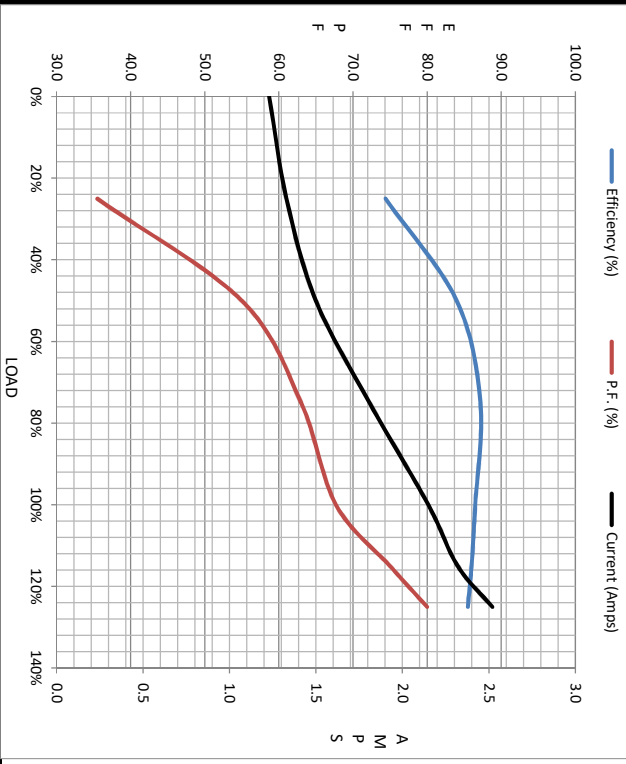
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.23	1.33	1.50	1.81	2.15	2.32	2.52	18.5
Torque (ft-lb)	0.00	1.10	2.25	3.4	4.5	5.2	5.6	17.2
RPM	1800	1785	1772	1760	1750	1738	1732	0
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	48.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	900	1600	1750	1800	HP	1.5
Current (Amps)	18.5	16.1	12.1	2.15	1.23	Sync. RPM	1800
Torque (ft-lb)	17.2	16.0	20.4	4.5	0.00		



Efficiency (%)	P.F. (%)	Current (Amps)
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Speed -Torque Curve

