

PRODUCT INFORMATION PACKET



Model No: C145T8FB5C

Catalog No: 121199.00

3/4HP..850RPM.145.TEFC./V.3PH.60HZ.CONT.NOT.40C.1.15SF.RIGID.GENERAL
PURPOSE.C145T8FB5C

Totally Enclosed Fan Cooled (TEFC)



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

©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E



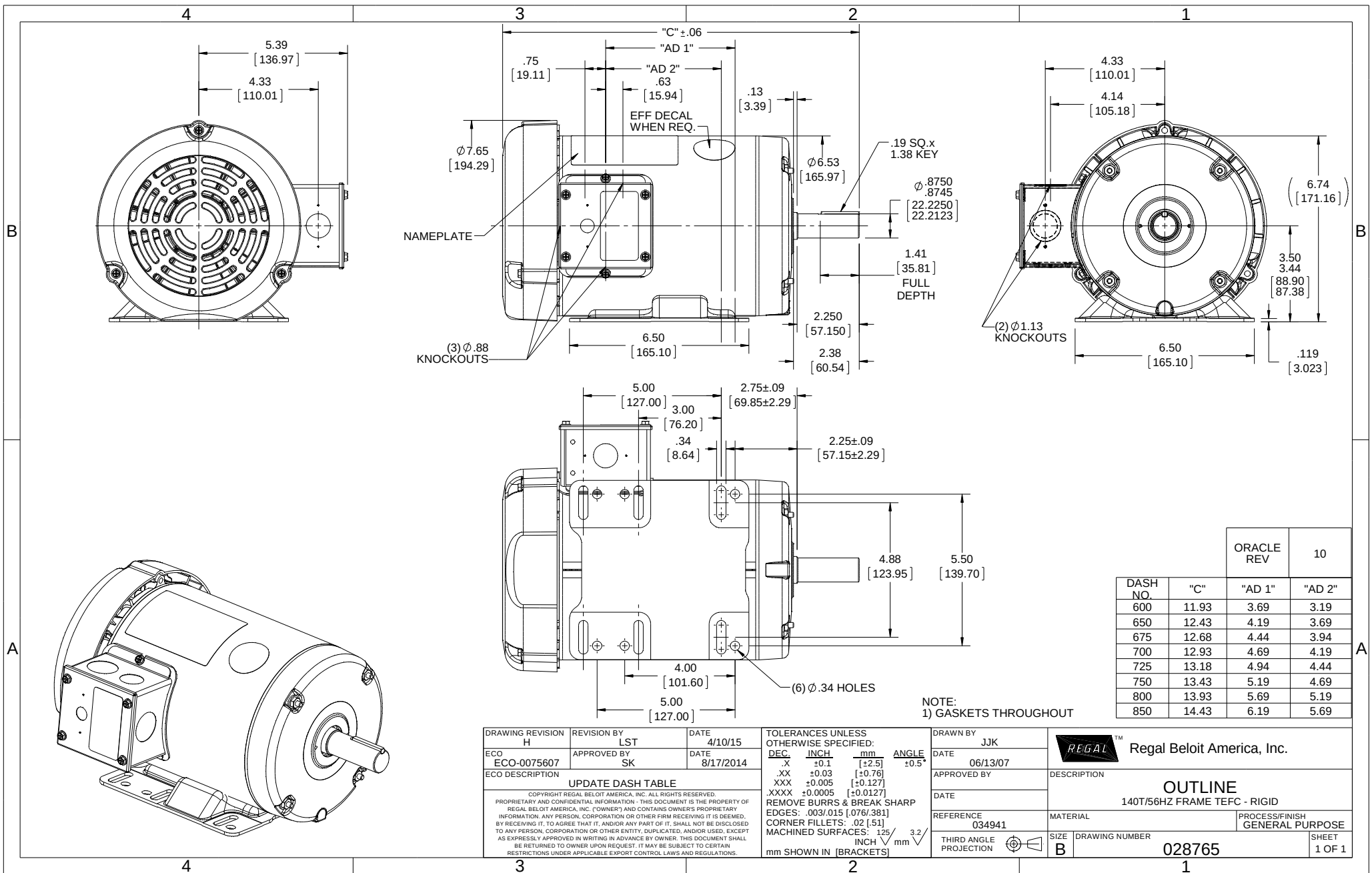


Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	3.2/1.6 A	Speed	850 rpm
Service Factor	1.15	Phase	3
Efficiency	72 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	145T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	43		

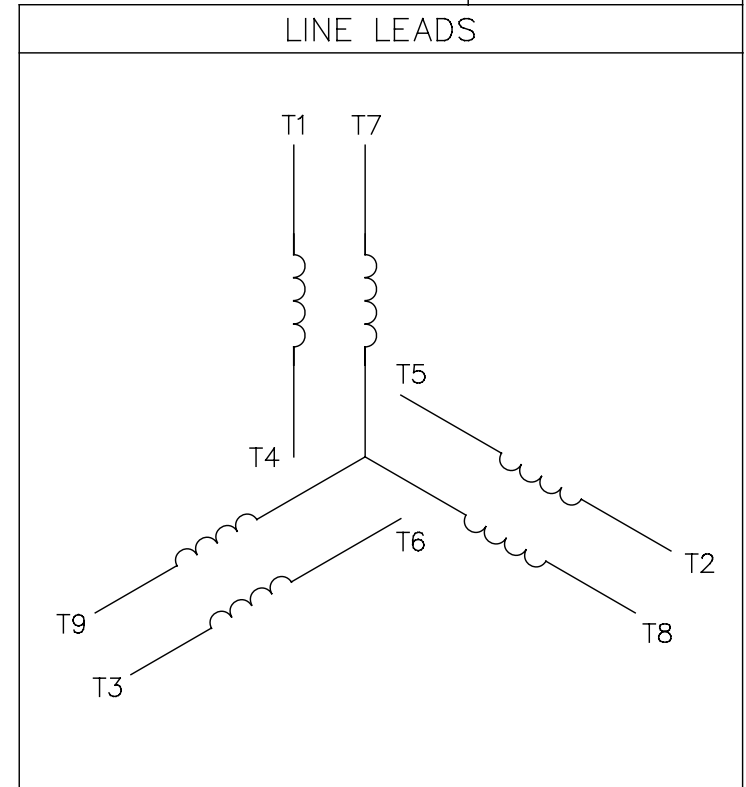
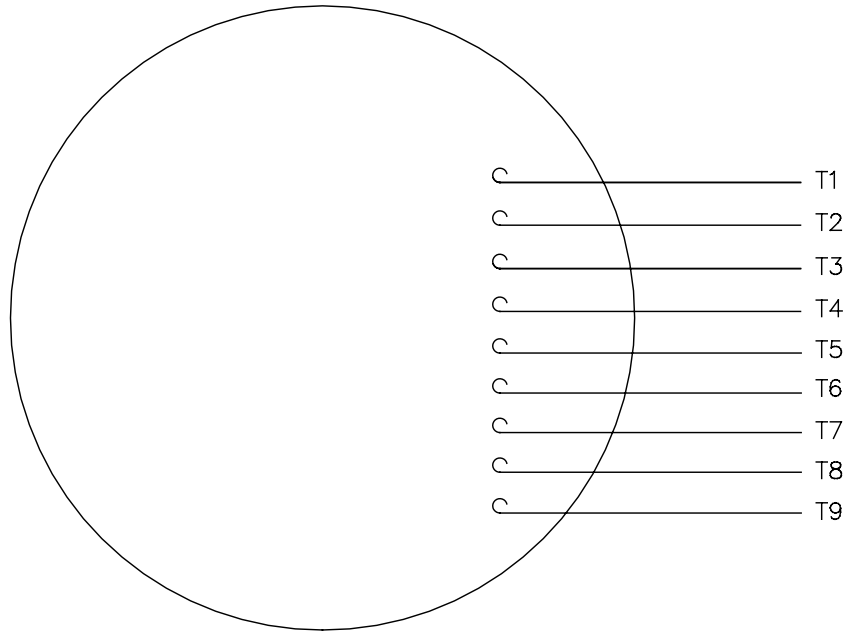
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	8	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	12.68 in	Frame Length	6.75 in
Shaft Diameter	0.875 in	Shaft Extension	2.25 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	028765-675	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			DRAWING NO.
							A	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: 028765-675
WINDING: T63831

FR 3

CAT #: 121199.00

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN			
0.75	0.56	900	852	145T	TEFC	NA	G	B			
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.		
3	60	208-230/460	3.5/1.75	ACROSS THE LINE	CONT	F	1.15	40	3300		
F.L.EFF		71.6	3/4 LD EFF	70.5	1/2 LD EFF	65.8	GTD EFF	ELECT. TYPE			
F.L. PF		56.0	3/4 LD PF	48.0	1/2 LD PF	37.3	0.0	SQ CAGE IND RUN			
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)			
4.6	LB-FT	6.2		9.0		LB-FT		252%			
								88			
PRESSURE @ 3		POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT				
0	DBA	9	DBA	0.12	LB-FT²	0	LB-FT²	10	SEC.	0	LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE		ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
STANDARD		STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	JE - LEESON (ENAM
BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE	ODE								
BALL 6205	BALL 6203								
		POLYREX EM	T	NONE	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		
0	0	0	0	0	0.080		ODE		

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

BRAKE: NONE	
NONE	NONE
FT-LB:	NA
VOLTAGE:	NONE
UL: Y-(LEESON UL REC)	

Data Sheet

Date: 1/19/2018

121199.00



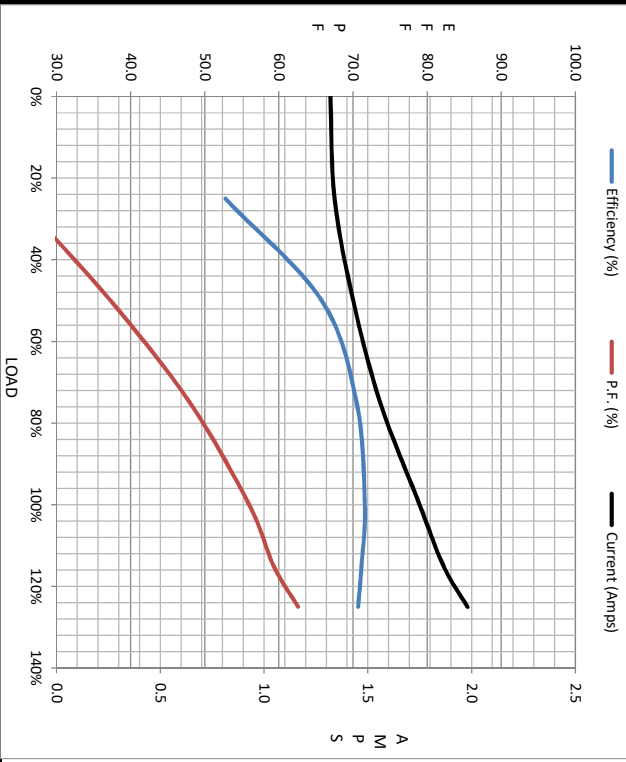
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.32	1.34	1.43	1.56	1.75	1.87	1.98	6.2
Torque (ft-lb)	0.00	1.11	2.24	3.4	4.6	5.3	5.9	9.0
RPM	900	890	879	867	852	845	834	0
Efficiency (%)		52.8	65.8	70.5	71.6	71.2	70.7	
P.F. (%)	11.4	24.9	37.3	48.0	56.0	59.3	62.6	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	170	600	852	900		
Current (Amps)	6.2	5.7	3.7	1.75	1.32	HP	0.8
Torque (ft-lb)	9.0	8.4	11.6	4.6	0.00	Sync. RPM	900



Enclosure		TEFC							
Construction		NA							
Voltage		208-230/460 V							
Frequency		60 Hz							
Design		B							
LR Code letter		G							
Service Factor		1.0							
Temp Rise @ FL		88 °C							
Duty		CONT							
Ambient		40 °C							
Elevation		1,000 feet							
Rotor/Shaft wk²		0.12 Lb-Ft²							
Ref Wdg		T63831 FR							
Sound Pressure @ 1M		0 dBA							
VFD Rating		NONE							
Outline Dwg		028765-675							
Conn. Diag		005010.01							
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

