

PRODUCT INFORMATION PACKET



Model No: C145T17WB22A

Catalog No: 121866.00

..2HP..1740RPM.145.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.C145T17WB22A.....WASHGUAR
D.NOT.....

General Purpose



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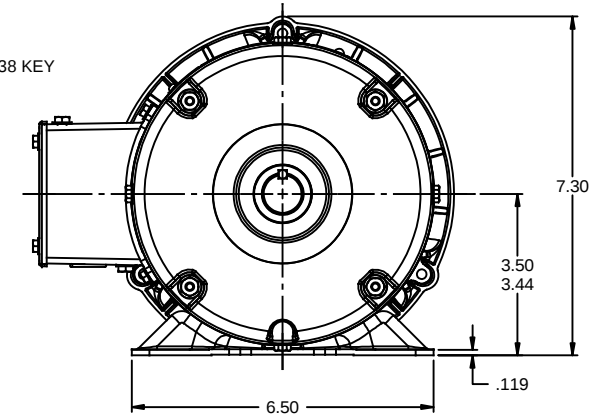
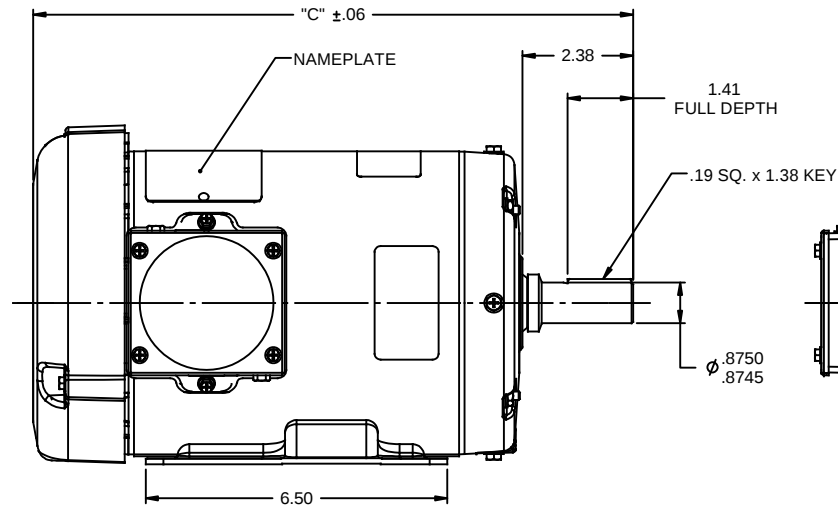
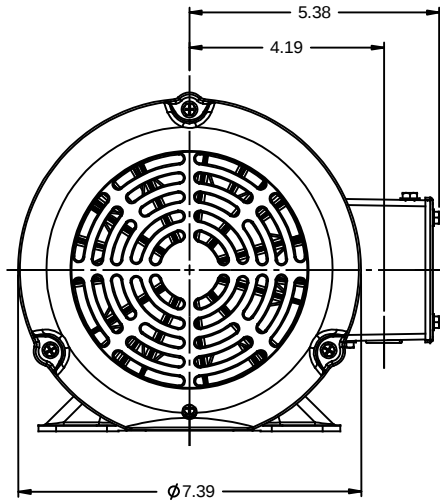


Nameplate Specifications

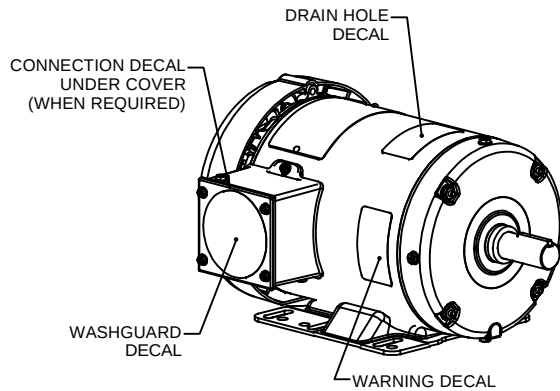
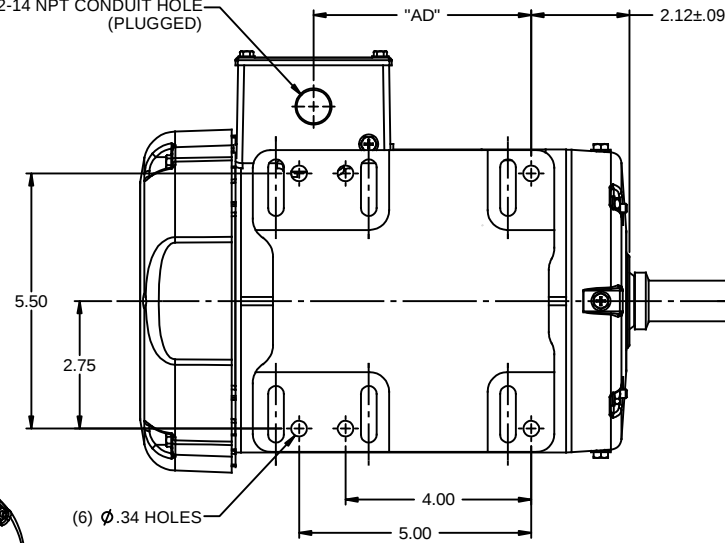
Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	5.8/2.9 A	Speed	1745 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	L	Frame	145T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	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	13.93 in	Frame Length	8.00 in
Shaft Diameter	0.875 in	Shaft Extension	2.25 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	607-0005-800	Connection Diagram	005010.01



(1) 1/2-14 NPT CONDUIT HOLE
(PLUGGED)



WASHGUARD MOTOR

SPECIAL FEATURES:

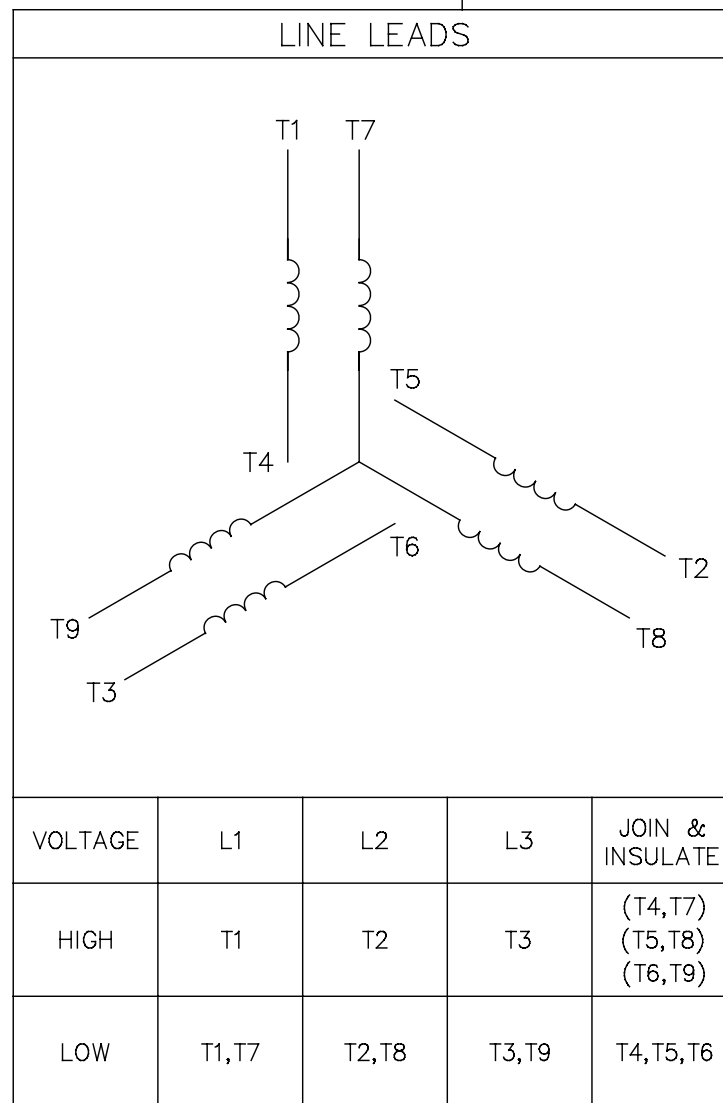
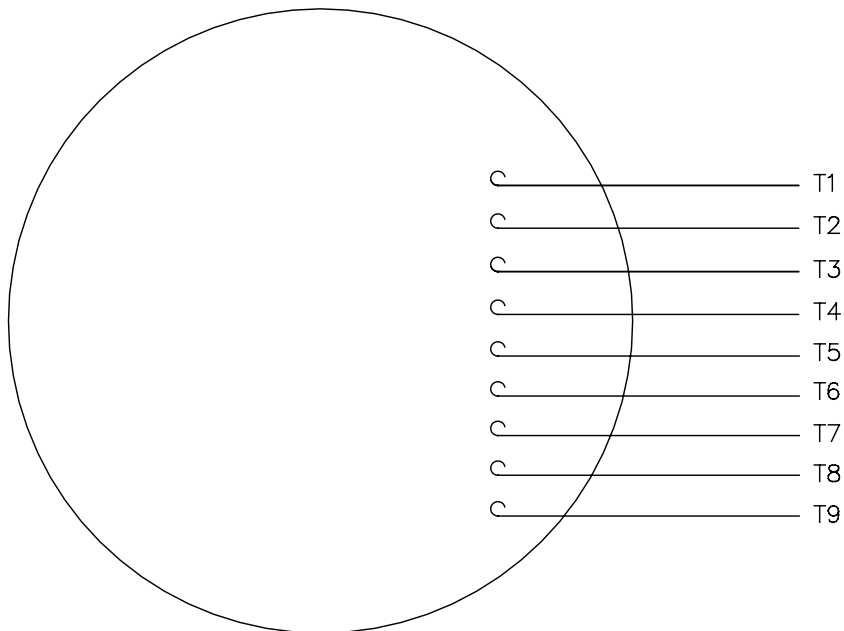
1. SHAFT SEALS & V-RING.
2. PLUGGED DRAIN HOLES IN ENDBELLS & CONDUIT BOX.
3. BUNA-N GASKETS THROUGHOUT.
4. STAINLESS STEEL SHAFT, HARDWARE & NAMEPLATE.

DASH NO.	"C"	"AD"
675	12.68	4.44
700	12.93	4.69
725	13.18	4.94
750	13.43	5.19
775	13.68	5.44
800	13.93	5.69
825	14.18	5.94
850	14.43	6.19

			TOLERANCES UNLESS SPECIFIED:	 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN PG 02/08/11	
			DEC INCHES		CHK	
			X ±.1		APPR	
			.XX ±.03		SCALE 3/8	
			.XXX ±.005		REF 028891	
			.XXX ±.0005	MATL WASHGUARD	FMF 121865.00	
			NO		PAGE OF	
REVISION			BY & DATE	CHK ANG ±1/2°	FINISH	
THIRD ANGLE PROJECTION				RFP	PREV	
				NETWORK FILE NAME 607-0005	SIZE B	DRAWING NO 607-0005
						REV

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



				TOLERANCES UNLESS SPECIFIED		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	FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	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
				DIST	BRF-NLV	SIZE	A
						DRAWING NO.	005010-01
						REV.	A

REGAL™ Regal Beloit America, Inc.

TITLE
EXTERNAL WIRING DIAGRAM
3 PHASE W/O PROTECTOR

MAT'L. DECAL - 004014

FINISH



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01
OUTLINE: 607-0005-800
WINDING: T634340

FR 3

CAT #: 121866.00

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
2	1.5	1800	1751	145T	TEFC	TFR	L	B
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB
3	60/50	230/460#190/380	6/38.6/8/3.4	ACROSS THE LINE	CONT	F	1.15	40
	F.L.EFF	86.5	3/4 LD EFF	85.6	1/2 LD EFF	83.4	GTD EFF	ELECT. TYPE
	F.L.PF	75.6	3/4 LD PF	64.0	1/2 LD PF	51.9	84.0	SQ CAGE IND RUN
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)
6.0	LB-FT	26.5	18.8	LB-FT	31.3%	24.6	LB-FT	410%
PRESSURE @ 3		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME
65	DBA	74	DBA	0.16	LB-FT²	0	LB-FT²	10
								SEC.
								STARTS/HOUR
								MOTOR WGT
								LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	HITE - LEESON (EPO
BEARINGS		SHAFT TYPE		SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
DE	ODE	GREASE						
BALL	BALL	POLYREX EM		T	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL
6205	6203							

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	0.150	ODE

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

DATE: 1/29/2018	
BRAKE: NONE NONE FT-LB: NA VOLTAGE: NONE HZ:	
UL: Y-(LEESON UL REC)	

Data Sheet

Date: 1/29/2018

121866.00



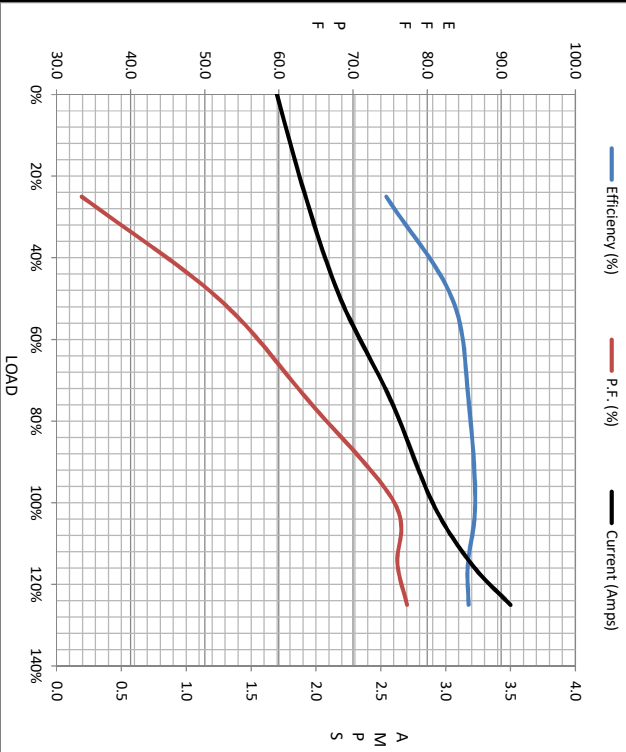
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.70	1.92	2.19	2.58	2.90	3.2	3.5	26.5
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.5	7.5	18.8
RPM	1800	1787	1774	1763	1751	1,730	1732	0
Efficiency (%)		74.5	83.4	85.6	86.5	85.5	85.6	
P.F. (%)	7.1	33.4	51.9	64.0	75.6	76.0	77.3	42.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	775	1085	1751	1800		
Current (Amps)	26.5	24.4	14.2	2.90	1.70		
Torque (ft-lb)	18.8	15.0	24.6	6.0	0.00		
						HP	2.0
						Sync. RPM	1800



Enclosure		TEFC							
Construction		TFR							
Voltage		230/460# 190/380 V							
Frequency		60 Hz							
Design		A							
LR Code letter		L							
Service Factor		1.15							
Temp Rise @ FL		53 °C							
Duty		CONT							
Ambient		40 °C							
Elevation		1,000 feet							
Rotor/Shaft wk²		0.16 Lb-Ft²							
Ref Wdg		T634340 FR							
Sound Pressure @ 1M		65 dBA							
VFD Rating		NONE							
Outline Dwg		607-0005-800							
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

