

PRODUCT INFORMATION PACKET



Model No: C6T17WK46A

Catalog No: 119483.00

119483.00..2HP..1745RPM.56C.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID C
FACE.C6T17WK46.....WASHDOWN DUTY.NONE.....

General Purpose



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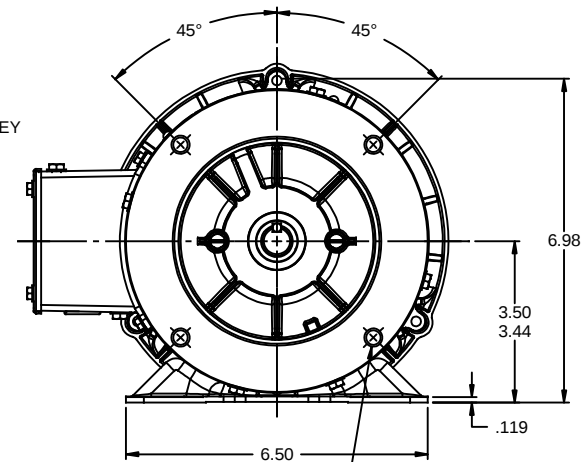
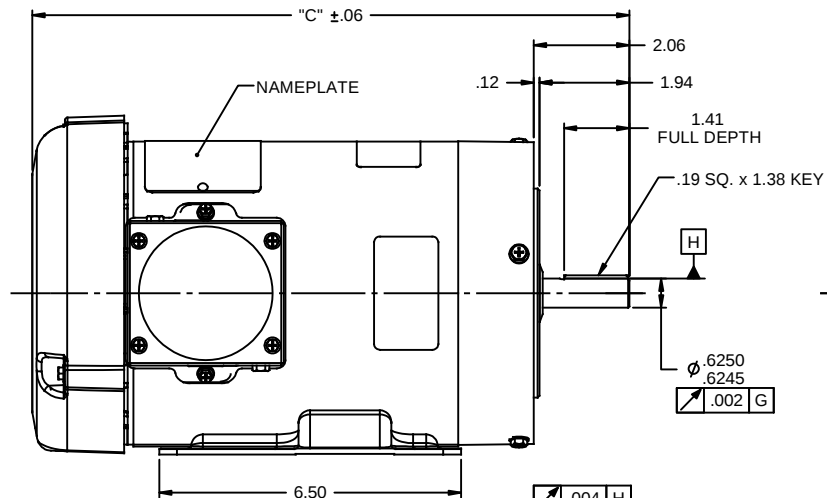
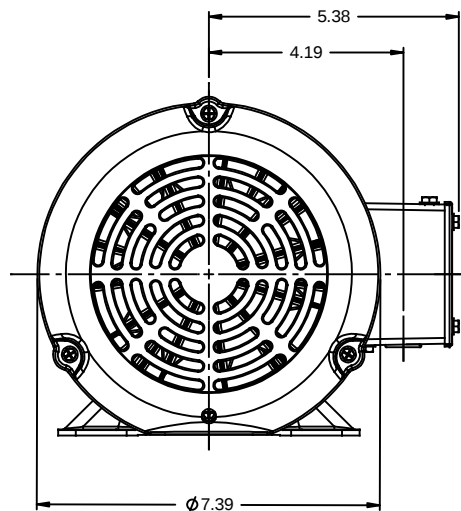
Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	6.0-5.8/2.9 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	56C
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		

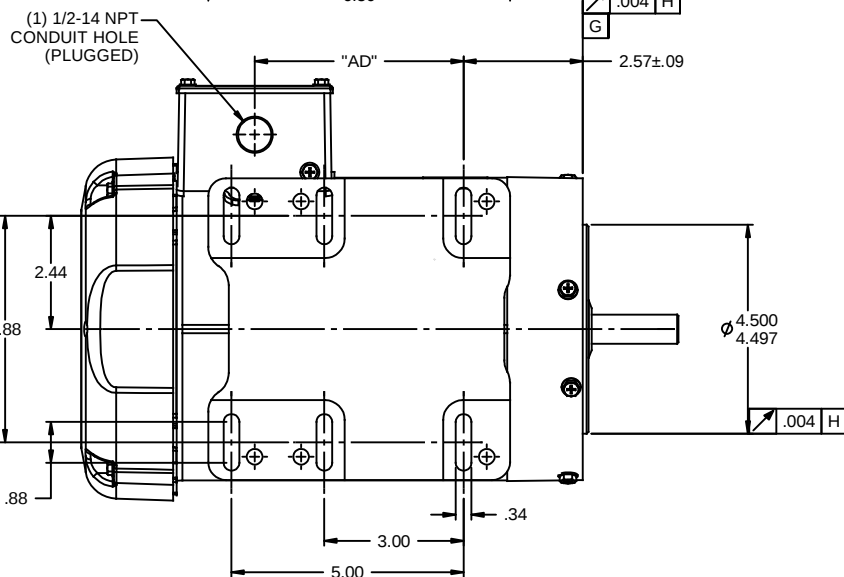
Technical Specifications

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	NEMA 56
Overall Length	13.87 in	Frame Length	8.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	607-0004-800	Connection Diagram	005010.01

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3/8-16 UNC-2B x .56 DEEP
(4) REQ'D. ON A Ø5.875 B.C.

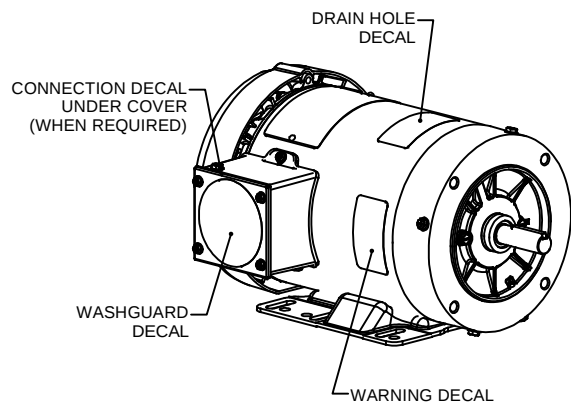


WASHGUARD MOTOR

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.

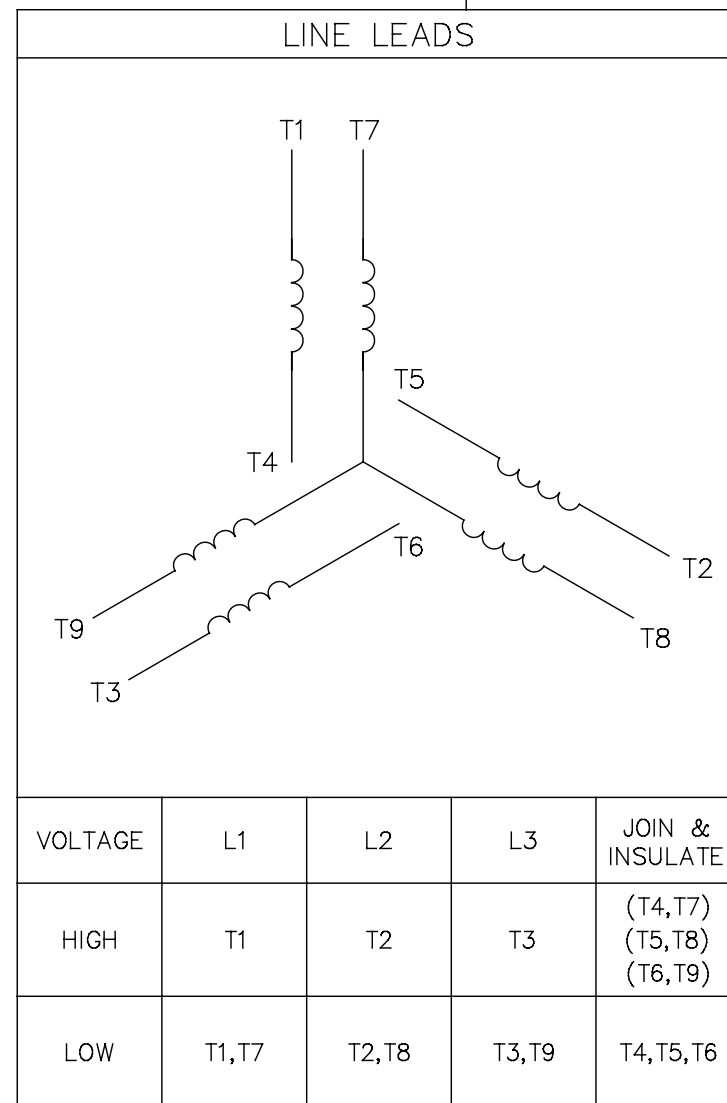
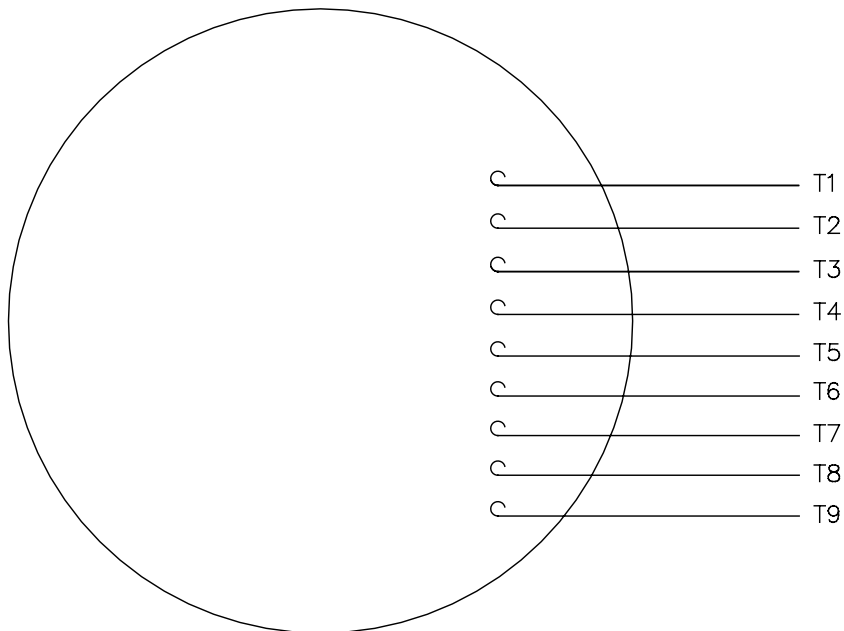
DASH NO.	"C"	"AD"
700	12.87	4.50
725	13.12	4.75
750	13.37	5.00
775	13.62	5.25
800	13.87	5.50
825	14.12	5.75
850	14.37	6.00



TOLERANCES UNLESS SPECIFIED				ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN PG 02/08/11	
DEC	INCHES					CHK	
X	±.1					APPR	
XX	±.03			TITLE	OUTLINE - 56HC FRAME	SCALE	3/8
XXX	±.005				TEFC - RIGID "C" FACE	REF	028812
XXXX	±.0005			MATL	WASHGUARD	FMF	115745.00
NO	REVISION	BY & DATE	CHK ANG ±1/2"	FINISH		PAGE	OF
	THIRD ANGLE PROJECTION		RFP	PREV		SIZE	DRAWING NO
			NETWORK FILE NAME	607-0004		B	607-0004
						REV	

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



				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			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		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: 607-0004-800
WINDING: T634340

CAT #: 119483.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
2	1.5	1800	1751	56C	TEFC	TFR	L	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	208-230/460	6.2-6/3	ACROSS THE LINE	CONT	F	1.15	40	3300
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		313%		24.6 LB-FT	
PRESSURE @ 3		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME	
65 dBA		74 dBA		0.16 LB-FT²		0 LB-FT²		10 LB-FT²	
								0 LB-FT²	
								10 SEC.	
								3	
								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	ITE - LEESON (EPO
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE CODE								
BALL 6205	POLYREX EM	STANDARD 56	NONE	NONE	303 STAINLESS (C-501)	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	
		NONE	
		BRAKE: NONE	
		NONE	
		FT-LB: NA	
		VOLTAGE: NONE	
		UL: Y-(LEESON UL REC)	

DATE: 1/23/2018		HZ:	
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Data Sheet

Date: 1/23/2018

119483.00



Data @ 460 V

Motor Load Data

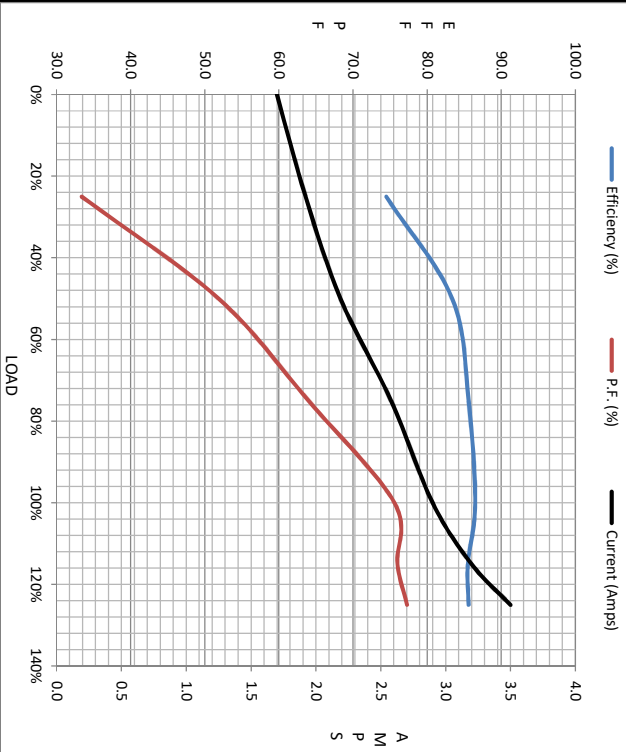
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.70	1.92	2.19	2.58	2.90	3.2	3.5	26.5
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.5	7.5	18.8
RPM	1800	1787	1774	1763	1751	1,730	1732	0
Efficiency (%)		74.5	83.4	85.6	86.5	85.5	85.6	
P.F. (%)	7.1	33.4	51.9	64.0	75.6	76.0	77.3	42.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
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

Information Block

HP	2.0
Sync. RPM	1800
Frame	140
Enclosure	TEFC
Construction	TFR
Voltage	208-230/460 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 wk ²	0.16 Lb-Ft ²
Ref Wdg	T634340 FR
Sound Pressure @ 1M	65 dBA
VFD Rating	NONE
Outline Dwg	607-0004-800
Conn. Diag	005010.01
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	0.0000



Speed -Torque Curve

