

PRODUCT INFORMATION PACKET



Model No: C6T34VK3H

Catalog No: 113588.00

1/2HP..3450RPM.56.TENV.208-230/460V.3PH.60HZ.CONT.NOT.40C.1.15SF.RIGID
C.WASHGUARD.C6T34VK3H

General Purpose



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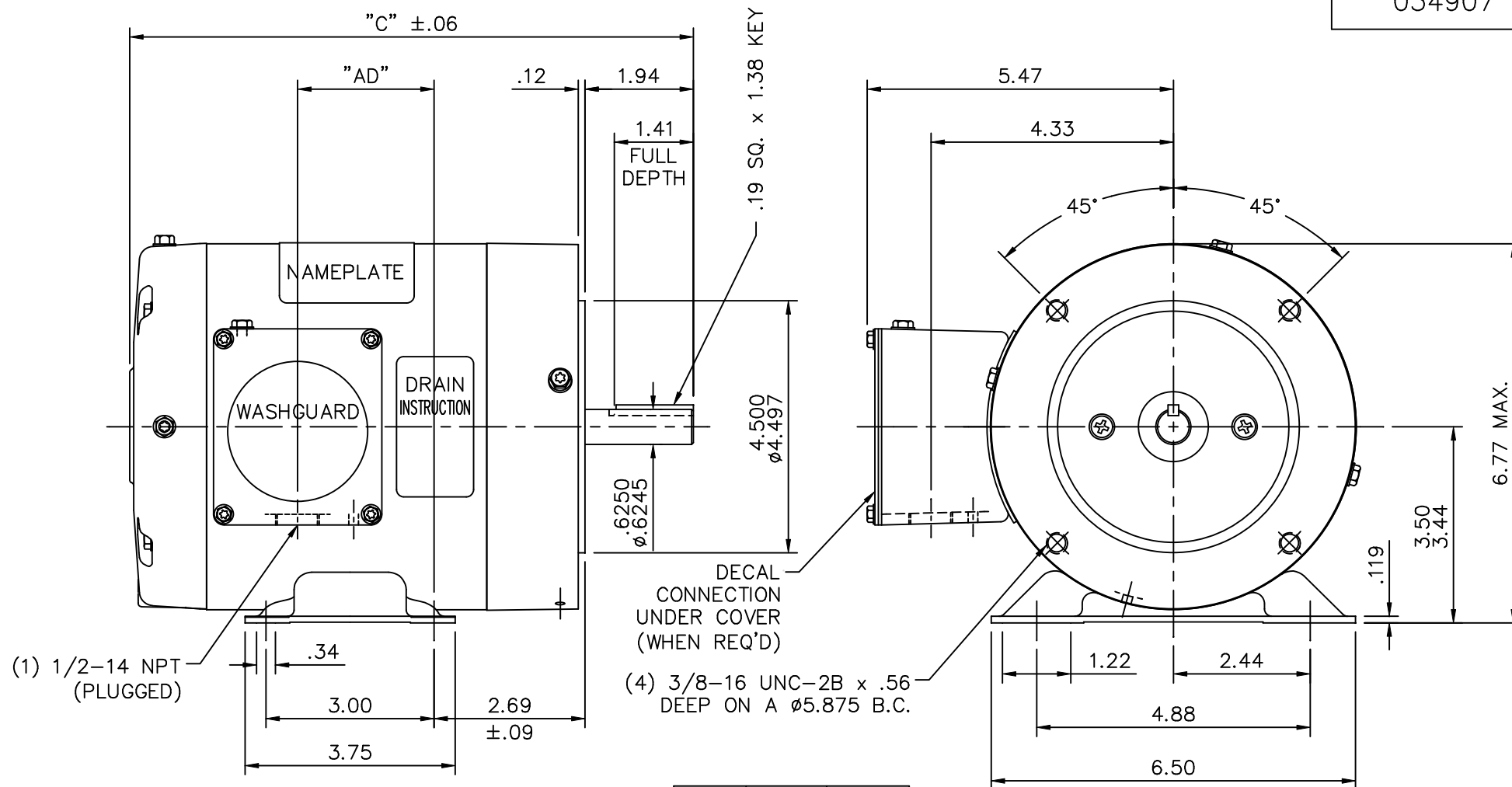
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	1.7-1.6/0.80 A	Speed	3450 rpm
Service Factor	1.15	Phase	3
Efficiency	82.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	M	Frame	56C
Enclosure	Totally Enclosed Non Ventilated	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	2	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	10.58 in	Frame Length	5.50 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	034907-550	Connection Diagram	005010.01

034907



SPECIAL FEATURES:

- 1) SHAFT SEALS & V-RING
- 2) DRAIN HOLES IN BOTH ENDBELLS & CONDUIT BOX
- 3) GASKETS THROUGHOUT
- 4) STAINLESS STEEL SHAFT, HARDWARE & NAMEPLATE

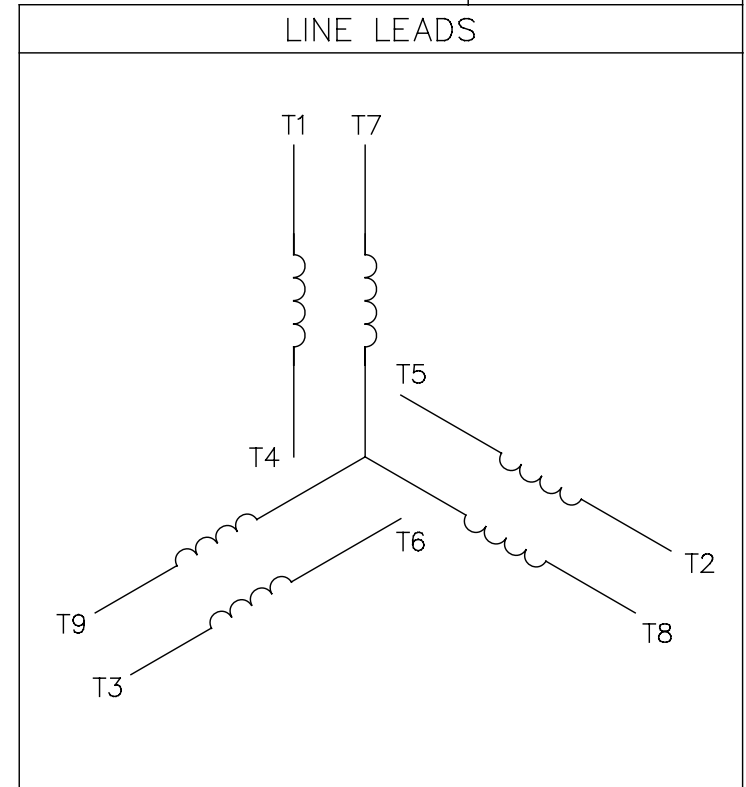
DASH NO.	"C"	"AD"
500	10.08	2.44
550	10.58	2.94
600	11.08	3.44
650	11.58	3.94

MAXIMUM FACE RUNOUT .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RDW 12/12/01			
				DEC.	INCHES		CHK			
				.X	±.1		APPD KMM 12/12/01			
03	SHAFT END E.B. WAS 021255-19 PER ECO 04-1702	LST 9/17/04		.XX	±.03	TITLE OUTLINE - 56C FRAME TENV - RIGID "C"	SCALE	3=8		
02	REVISED OUTLINE TO CURRENT STNDS.	RDW 2/11/03	SW	.XXX	±.005		REF	033694		
01	L.E. ENDBELL WAS 021209.27	KMM 8/19/02		.XXXX	±.0005	MAT'L.	WASHGUARD	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	12/12/01		CAD FILE	034907	SIZE	DRAWING NO.	REV
			DIST						A	034907

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 A	DRAWING NO. 005010-01		REV. A
			DIST BRF-NLV							



CERTIFICATION DATA SHEET

1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810

CATALOG #: 113588.00

CONN. DIAGRAM: 005010.01

OUTLINE: 034907-550

MOUNTING: F1 ONLY

WINDING #: T632165 NR 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	3600	3450	56C	TENV	M	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	208-230/460	1.7-1.6/.8	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	82.5	3/4 LOAD EFF:	77.9	1/2 LOAD EFF:	72.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	79	3/4 LOAD PF:	71.9	1/2 LOAD PF:	61.1	0	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
0.75 LB-FT	14 / 7	2.53 LB-FT 338 %	3.55 LB-FT 475 %	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
65 DBA	75 DBA	0.04 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	D RIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	WHITE - LEESON (EPOXY)

BEARINGS DE	ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL
6205	6203						

THERMO-PROTECTORS				THERMISTORS			SPACE HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs					
NONE	NOT	NONE	NONE	NONE	FALSE	NONE	VOLTS	

*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE PPR

BRAKE: NONE
NONE P/N NONE
NONE NONE FT-LB NONE V NONE HZ

Data Sheet

Date: 1/18/2018

113588.00



Data @ 460 V

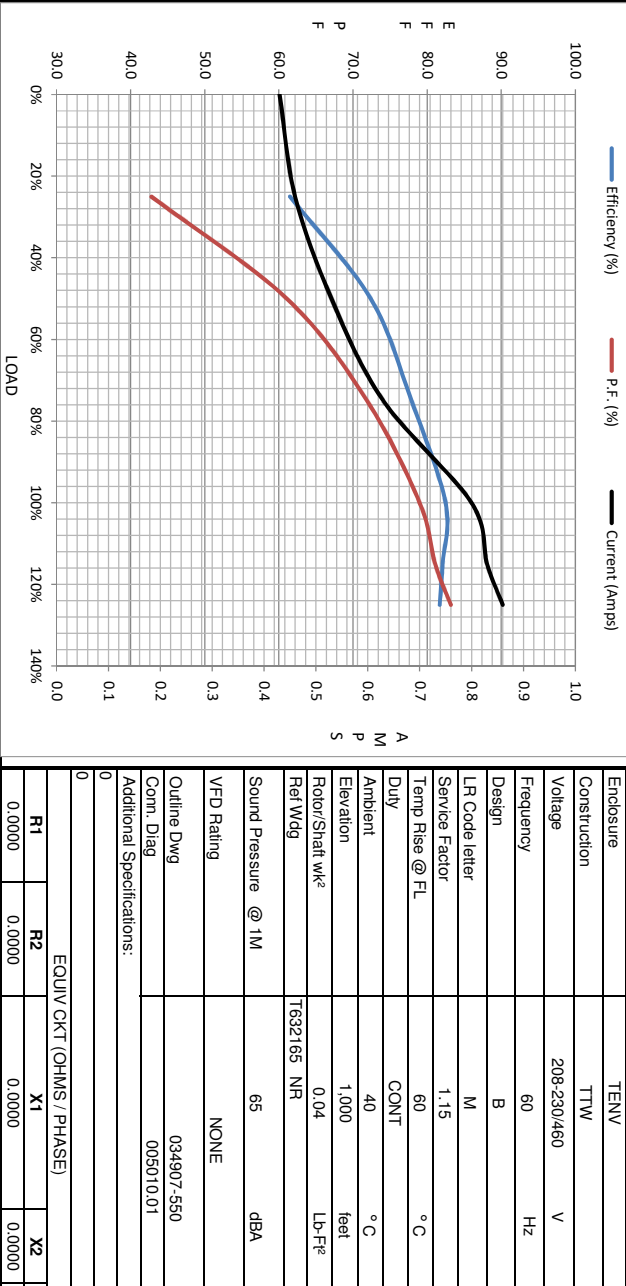
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.43	0.46	0.53	0.63	0.80	0.83	0.86	7.0
Torque (ft-lb)	0.00	0.19	0.37	0.56	0.75	0.85	0.94	2.53
RPM	3600	3576	3556	3535	3510	3502	3489	0
Efficiency (%)		61.5	72.4	77.9	82.5	82.1	81.7	
P.F. (%)	24.5	42.8	61.1	71.9	79.0	81.1	83.2	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	2700	3510	3600
Current (Amps)	7.0	6.4	4.2	0.80	0.43
Torque (ft-lb)	2.53	2.30	3.6	0.75	0.00

Information Block	
HP	0.5
Sync. RPM	3600



Speed -Torque Curve

