

PRODUCT INFORMATION PACKET



Model No: C6T34FK85A

Catalog No: 191209.00

1HP..3450RPM.56HC.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID
C.C6T34FK85A.....WASHGUARD-ALL STAINLESS.NOT.....

Paint Free



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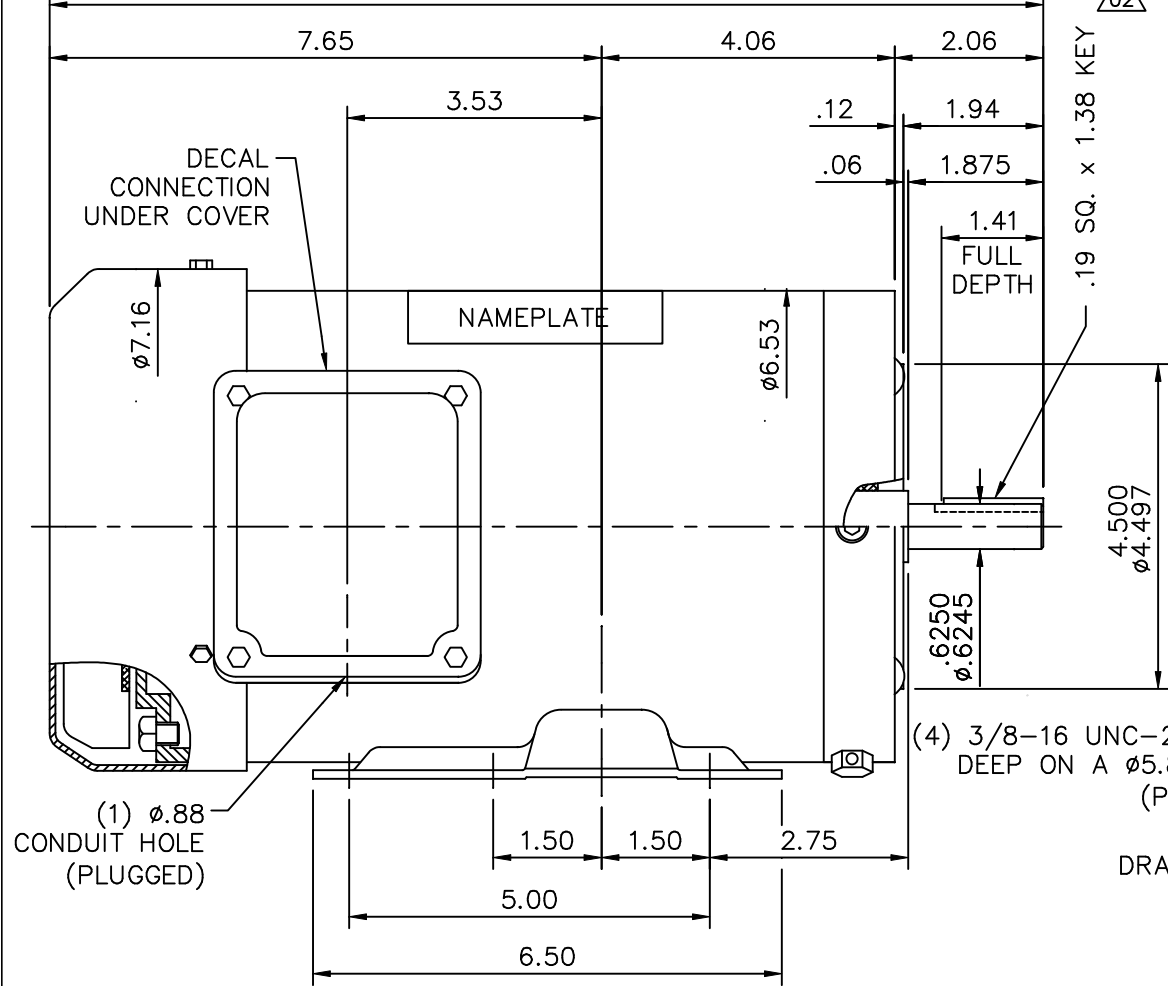
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	2.9-2.6/1.3 A	Speed	3450 rpm
Service Factor	1.15	Phase	3
Efficiency	80 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	J	Frame	56HC
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	43		

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	Stainless Steel	Shaft Type	NEMA 56
Overall Length	13.77 in	Frame Length	6.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	16992800	Connection Diagram	005010.01

13.77 REF	169928.00
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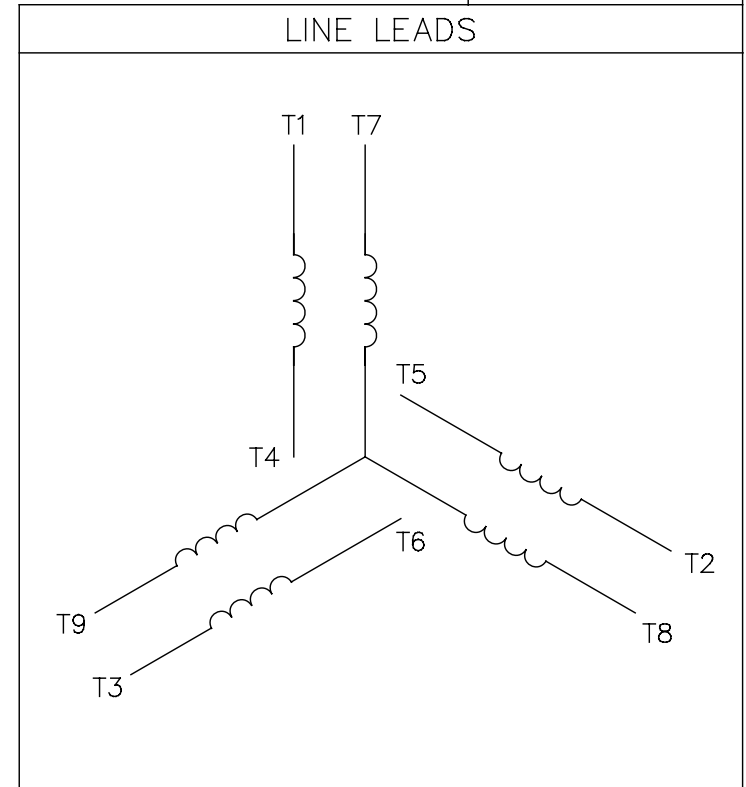
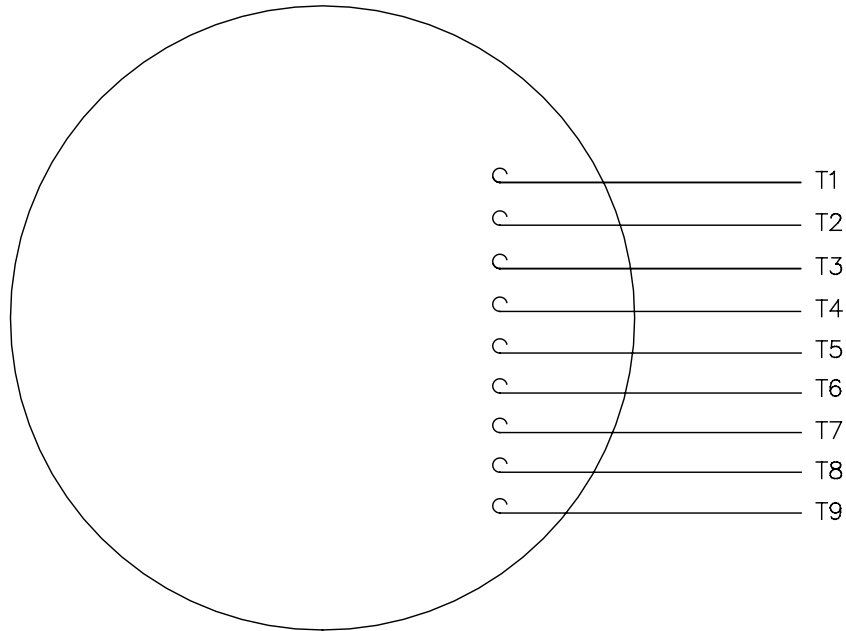
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
PERMISSABLE SHAFT RUNOUT .002 T.I.R.

GASKETS THROUGHOUT

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN MGM 04/09/03			
				DEC.	INCHES		CHK	RDW 04/09/03		
				.X	±.1		APPD			
				.XX	±.03	TITLE OUTLINE – 56HC FRAME TEFC – RIGID "C"	SCALE	3=8		
02	UPDATED SHAFT EXT DIMS	RDW 4/26/04	SW	.XXX	±.005		REF			
01	CONDUIT HOLE WAS 1/2–14 NPT, DIM .157 WAS .12	SW 10/7/2003	RDW	.XXXX	±.0005	MAT'L	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		CAD FILE	16992800	SIZE	DRAWING NO.	REV.
				DIST				A	169928.00	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	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							

Data Sheet

Date: 1/30/2018

191209.00



Data @ 460 V

Motor Load Data

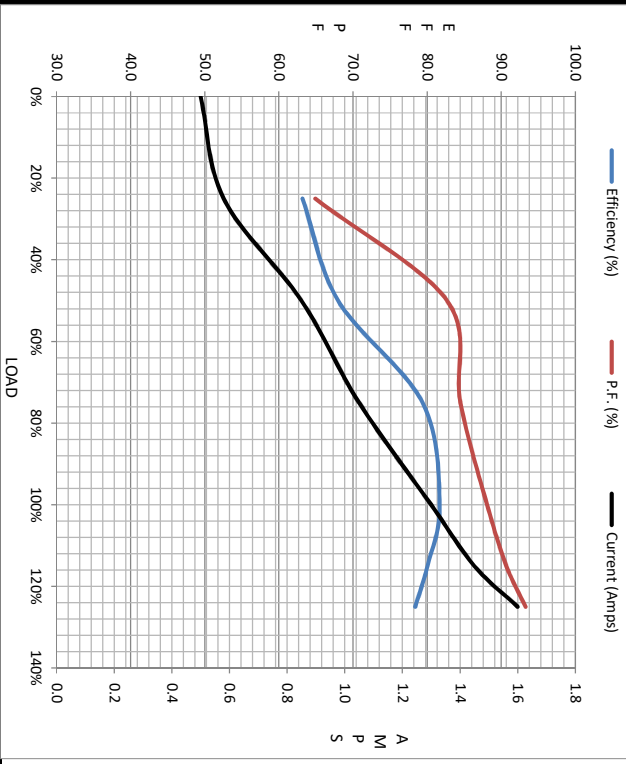
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.50	0.58	0.85	1.05	1.30	1.45	1.60	9.8
Torque (ft-lb)	0.00	95.9	194	289	389	7,044	492	991
RPM	3600	3561	3528	3493	3456	3,438	3,411	0
Efficiency (%)		63.2	68.0	79.4	81.7	80.1	78.4	
P.F. (%)	18.1	64.9	82.7	84.5	88.1	90.7	93.3	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3312	3456	3600
Current (Amps)	9.8	9.0	5.9	1.30	0.50
Torque (ft-lb)	991	656	1,220	389	0.00

Information Block

HP	1.0
Sync. RPM	3600
Frame	0
Enclosure	TEFC
Construction	TFR
Voltage	208-230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	J
Service Factor	1.15
Temp Rise @ FL	41 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk ²	0.05 Lb-Ft ²
Rel Wdg	QT6327 FR
Sound Pressure @ 1M	999 dBA
VFD Rating	NONE
Outline Dwg	16992800
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

