

PRODUCT INFORMATION PACKET



Model No: C6T11NK4A

Catalog No: 191414.00

.5HP..1140/950RPM.56.TENV.208-230/460V.3PH.60/50HZ.CONT.NOT.40C.1.15/1.15SF.RIGID
C.GENERAL PURPOSE.C6T11NK4A

Paint Free



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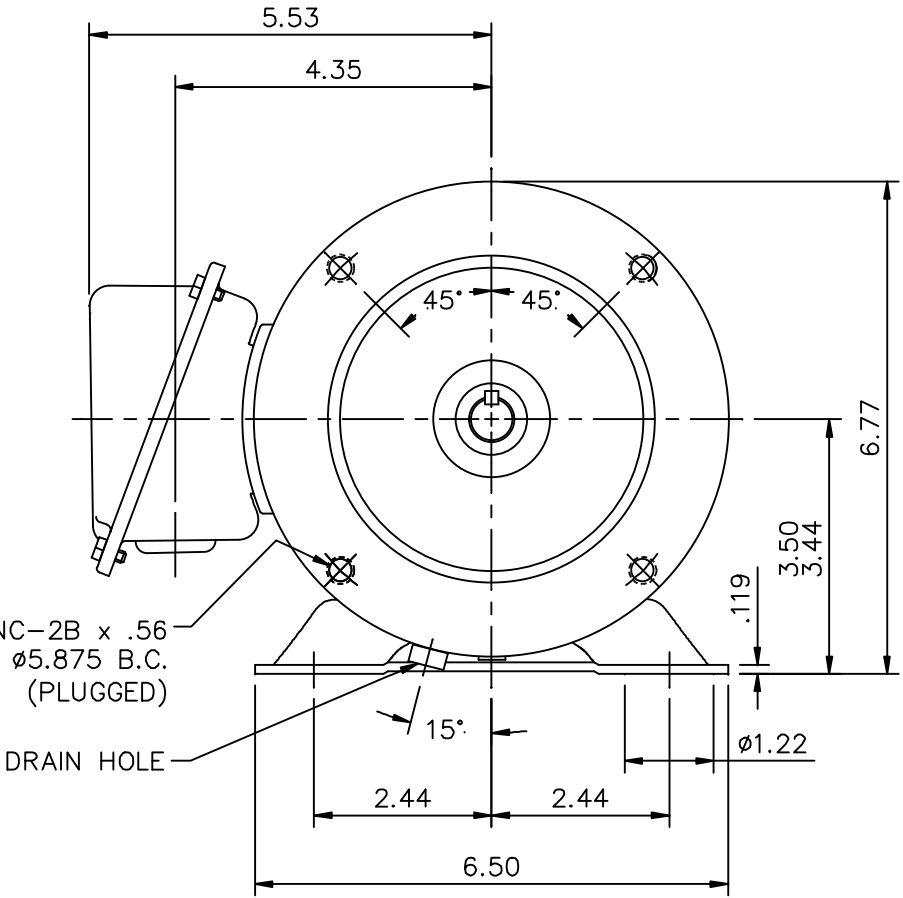
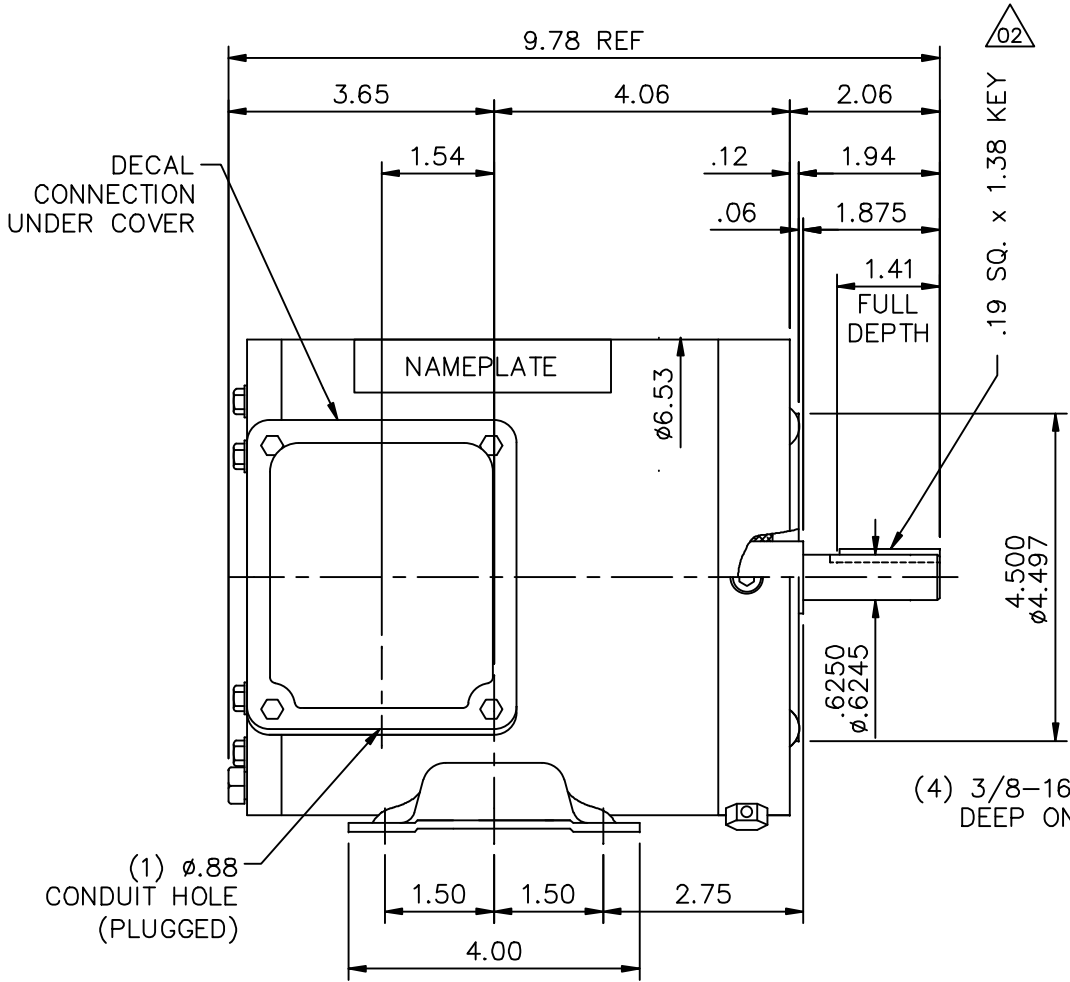


Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	2.1-2.0/1.0 A	Speed	1140 rpm
Service Factor	1.15	Phase	3
Efficiency	80 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	K	Frame	56C
Enclosure	Totally Enclosed Non Ventilated	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	55		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	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	9.78 in	Frame Length	6.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	16992900	Connection Diagram	005010.01



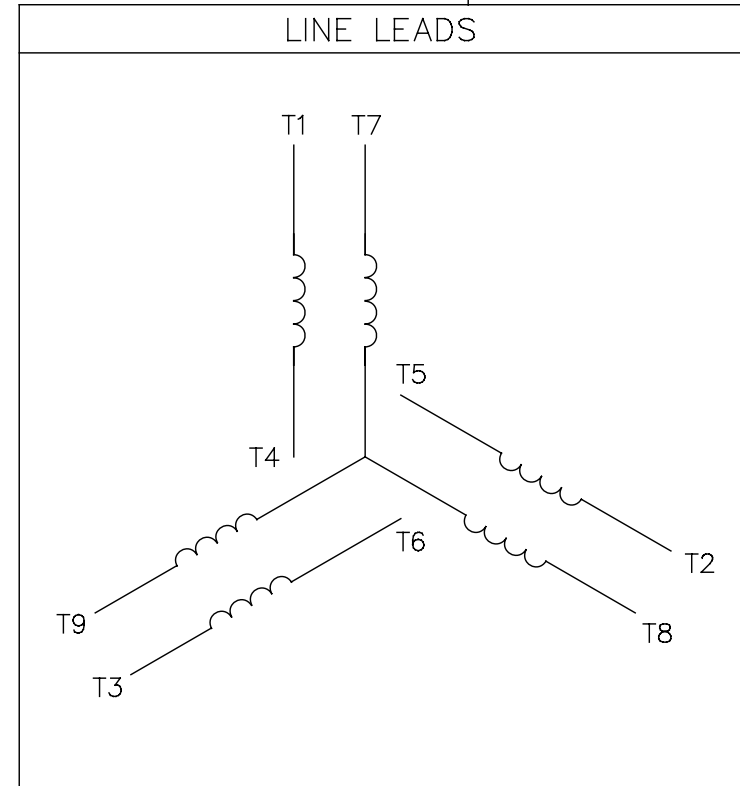
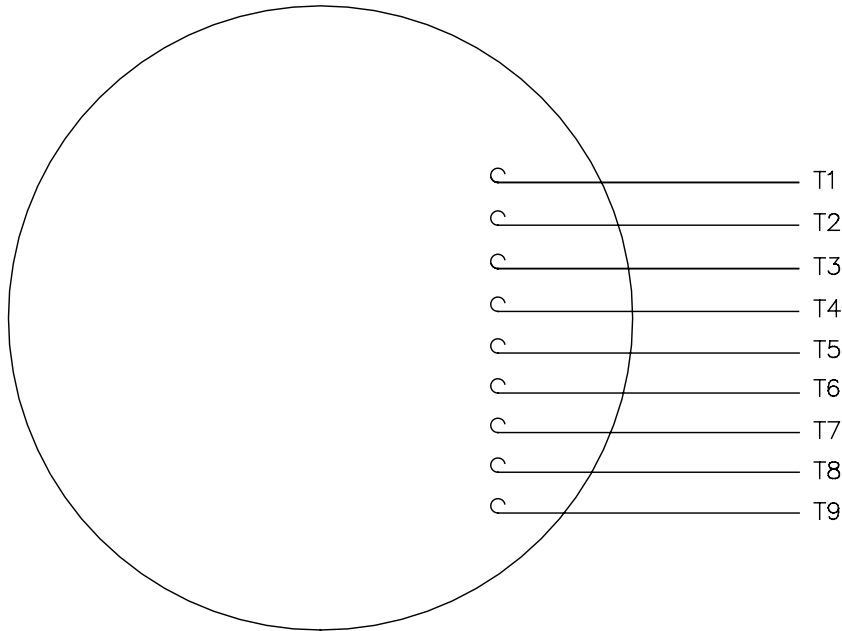
MAXIMUM FACE RUNOUT TO BE .004 T.I.R.
MAXIMUM PILOT ECCENTRICITY .004 T.I.R.
PERMISSABLE SHAFT RUNOUT .002 T.I.R.

GASKETS THROUGHOUT

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN		MGM 04/10/03	
				DEC.	INCHES				CHK	RDW 04/10/03		
				.X	±.1				APPD			
				.XX	±.03				TITLE OUTLINE – 56C FRAME TENV – RIGID "C"			
02	UPDATED SHAFT EXT DIMS	RDW 4/26/04	SW	.XXX	±.005	SCALE		3=8				
01	CONDUIT HOLE WAS 1/2–14 NPT, DIM .157 WAS .12	SW 10/7/2003	RDW	.XXXX	±.0005	MAT'L.		REF				
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		16992900	SIZE	DRAWING NO.		REV.
			DIST						A	169929.00		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		
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			DIST BRF-NLV					A	005010-01		A

Data Sheet

Date: 1/19/2018

191414.00



Data @ 460 V

Motor Load Data

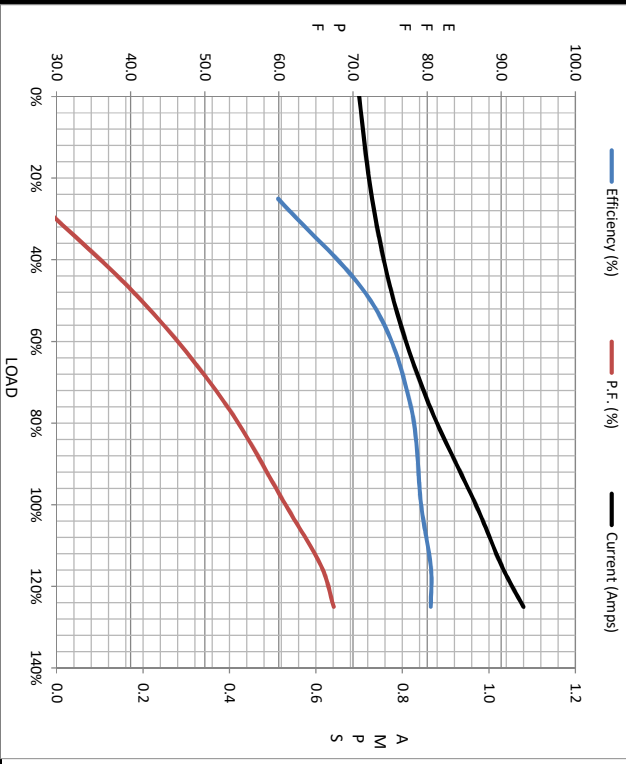
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.70	0.73	0.78	0.86	0.97	1.03	1.08	5.6	
Torque (ft-lb)	0.00	142	285	430	578	675	730	1,429	
RPM	1200	1190	1182	1174	1164	1,158	1153	0	
Efficiency (%)		59.9	72.4	77.7	79.2	80.5	80.5		
P.F. (%)	107.6	27.0	41.5	52.7	60.9	65.7	67.4	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	100	864	1164	1200
Current (Amps)	5.6	5.2	3.4	0.97	0.70
Torque (ft-lb)	1,429	1,421	2,128	578	0.00

Information Block

HP	0.5			
Sync. RPM	1200			
Frame	56			
Enclosure	TENV			
Construction	NA			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	76 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.08 Lb-Ft²			
Ref Wdg	QT6363 NR			
Sound Pressure @ 1M	54 dBA			
VFD Rating	NONE			
Outline Dwg	16992900			
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

