

# PRODUCT INFORMATION PACKET



Model No: C6T34NB6D

Catalog No: 110714.00

1/2HP..3450RPM.56.TENV./575V.3PH.60HZ.CONT.NOT.40C.1.15SF.RIGID.575 VOLT.C6T34NB6D  
575 Volts



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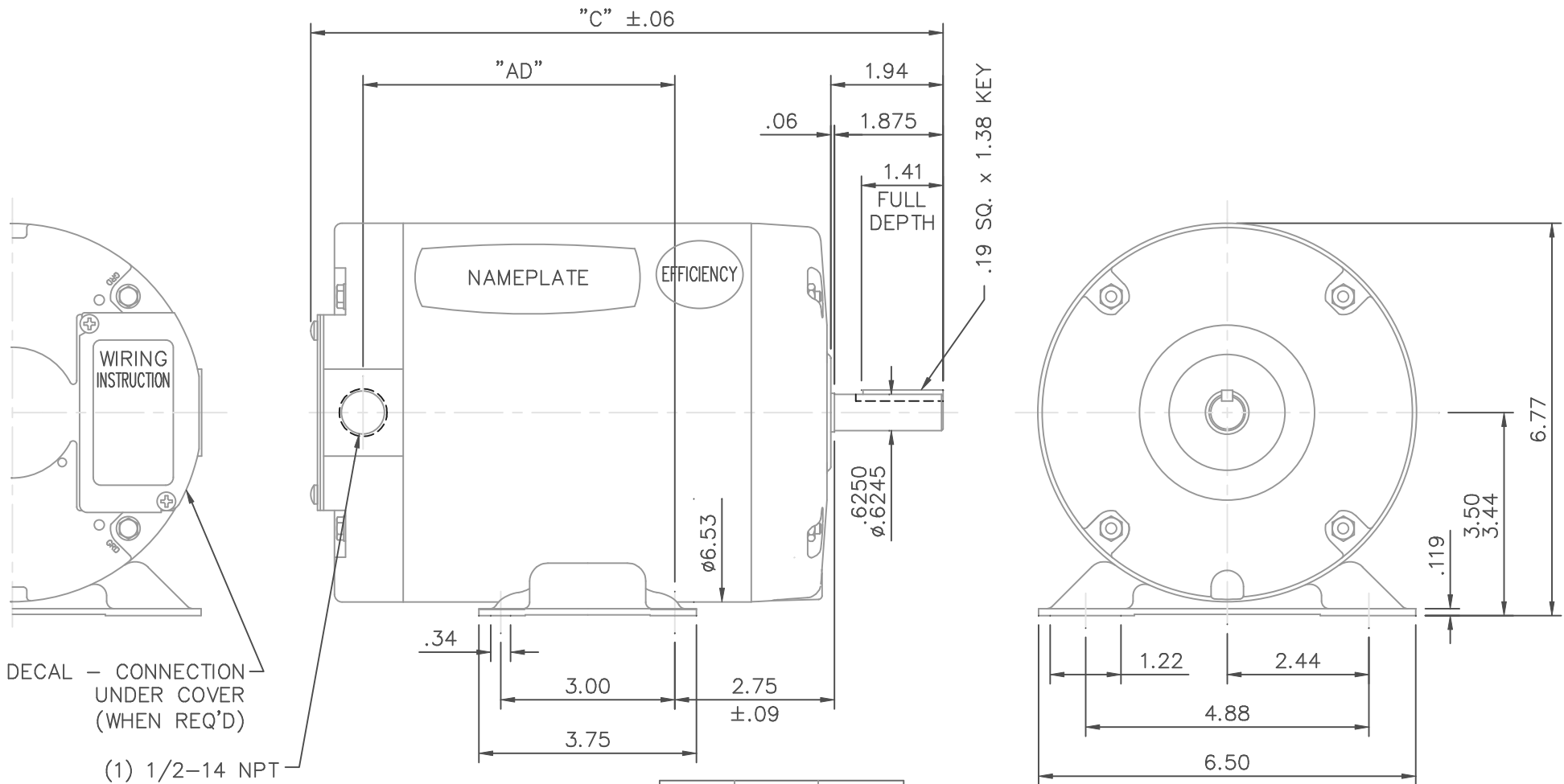


### Nameplate Specifications

Output HP	<b>0.50 Hp</b>	Output KW	<b>0.37 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>575 V</b>
Current	<b>0.60 A</b>	Speed	<b>3450 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>82.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>B</b>	Design Code	<b>B</b>
KVA Code	<b>M</b>	Frame	<b>56</b>
Enclosure	<b>Totally Enclosed Non Ventilated</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6203</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>N</b>
IP Code	<b>43</b>		

### Technical Specifications


Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>HORIZONTAL</b>
Drive End Bearing	<b>BALL</b>	Opp Drive End Bearing	<b>BALL</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>NEMA 56</b>
Overall Length	<b>10.40 in</b>	Frame Length	<b>5.50 in</b>
Shaft Diameter	<b>0.625 in</b>	Shaft Extension	<b>1.88 in</b>
Assembly/Box Mounting	<b>F1 ONLY</b>		
Outline Drawing	<b>034982-550</b>	Connection Diagram	<b>005102.01</b>



DECAL - CONNECTION UNDER COVER (WHEN REQ'D)  
 (1) 1/2-14 NPT (PLUGGED)

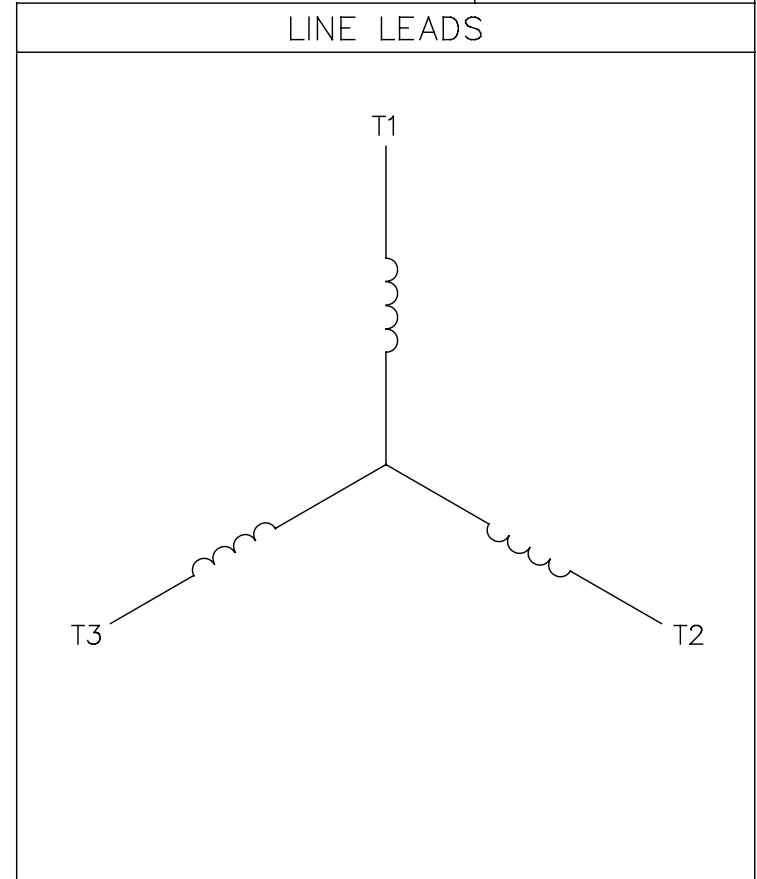
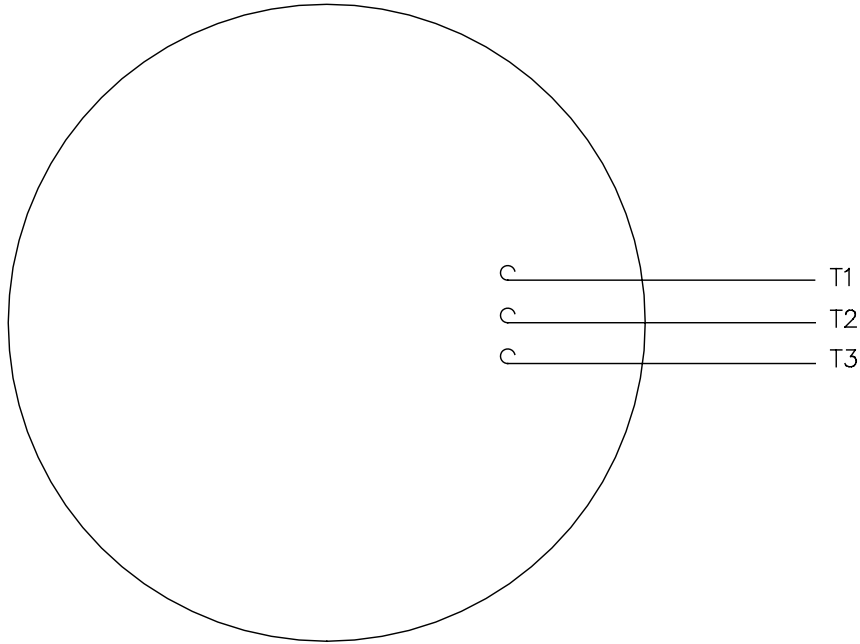
DASH NO.	"C"	"AD"
500	9.90	4.37
550	10.40	4.87
600	10.90	5.37
650	11.40	5.87

GASKETS THROUGHOUT

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RDW 2/21/03 CHK APPD SW 2/21/03 SCALE 3=8 REF FMF PREV
				DEC.	INCHES		TITLE
				.X	±.1		OUTLINE - 56 FRAME TENV - RIGID
				.XX	±.03		MAT'L.
				.XXX	±.005		GENERAL PURPOSE
				.XXXX	±.0005	FINISH	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'		
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	2/21/03	CAD FILE	034982
				DIST	BRF-NLV	SIZE	DRAWING NO.
						A	034982
							REV.

005102-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



CONNECT LEADS AS FOLLOWS  
FOR FOUR CONDUCTOR CORD ( )

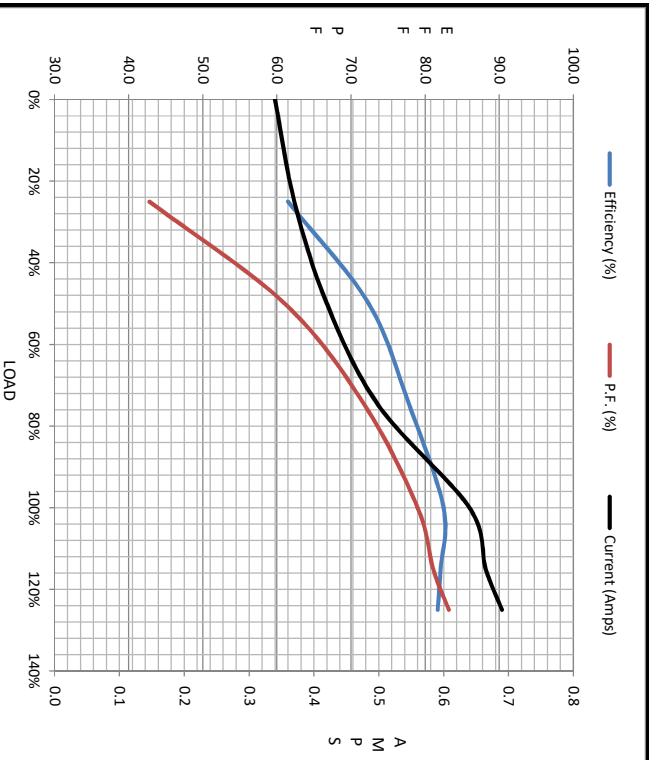
CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

				TOLERANCES UNLESS SPECIFIED		<b>Regal Beloit America, Inc.</b>		DRAWN JRW 9/11/75		
				DEC.	INCHES			CHK		
				.X	±.1			APPD JCW 9/11/75		
08	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR		SCALE 1=1		
07	UPDATED TO CURRENT STANDARDS	DBT 5/30/97		.XXX	±.005			REF W-T6343-6		
06	REDRAWN ON CAD; ADDED DECAL NUMBER	SAW 1/24/95		.XXXX	±.0005			FMF 6T17FB7		
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	5/1/02	CAD FILE 00510201		SIZE	DRAWING NO.	REV.
				DIST	BRF-NLV			A	005102-01	08



Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	0.34	0.37	0.42	0.50	0.64	5.6
Torque (ft-lb)	0.00	0.19	0.37	0.56	0.75	0.94
RPM	3600	3576	3556	3535	3510	2.53
Efficiency (%)		61.5	72.4	77.9	82.5	0
P.F. (%)	24.5	42.8	61.1	71.9	79.0	81.1
						83.2
						0.0

Motor Speed Data						Information Block																											
LR	Pull-Up	BD	Rated	Idle		HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk <sup>2</sup>	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	EQUIV CKT (OHMS / PHASE)	R1	R2	X1	X2	Xm	
0	400	2700	3510	3600		0.5	3600	140	TENV	TTW	575	60	B	M	1.15	60	CONT	40	1,000	0.04	T632165 NR	65	NONE	034982-550	005102.01		0.0000	0.0000	0.0000	0.0000	0.0000		
Current (Amps)	5.6	5.2	3.4	0.64	0.34																												
Torque (ft-lb)	2.53	2.30	3.6	0.75	0.00																												



LR	Pull-Up	BD	Rated	Idle
0	400	2700	3510	3600
Current (Amps)	5.6	5.2	3.4	0.64
Torque (ft-lb)	2.53	2.30	3.6	0.75

