

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



Regal and Leeson are trademarks of Regal Beloit Corporation or one of its affiliated companies.

©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E





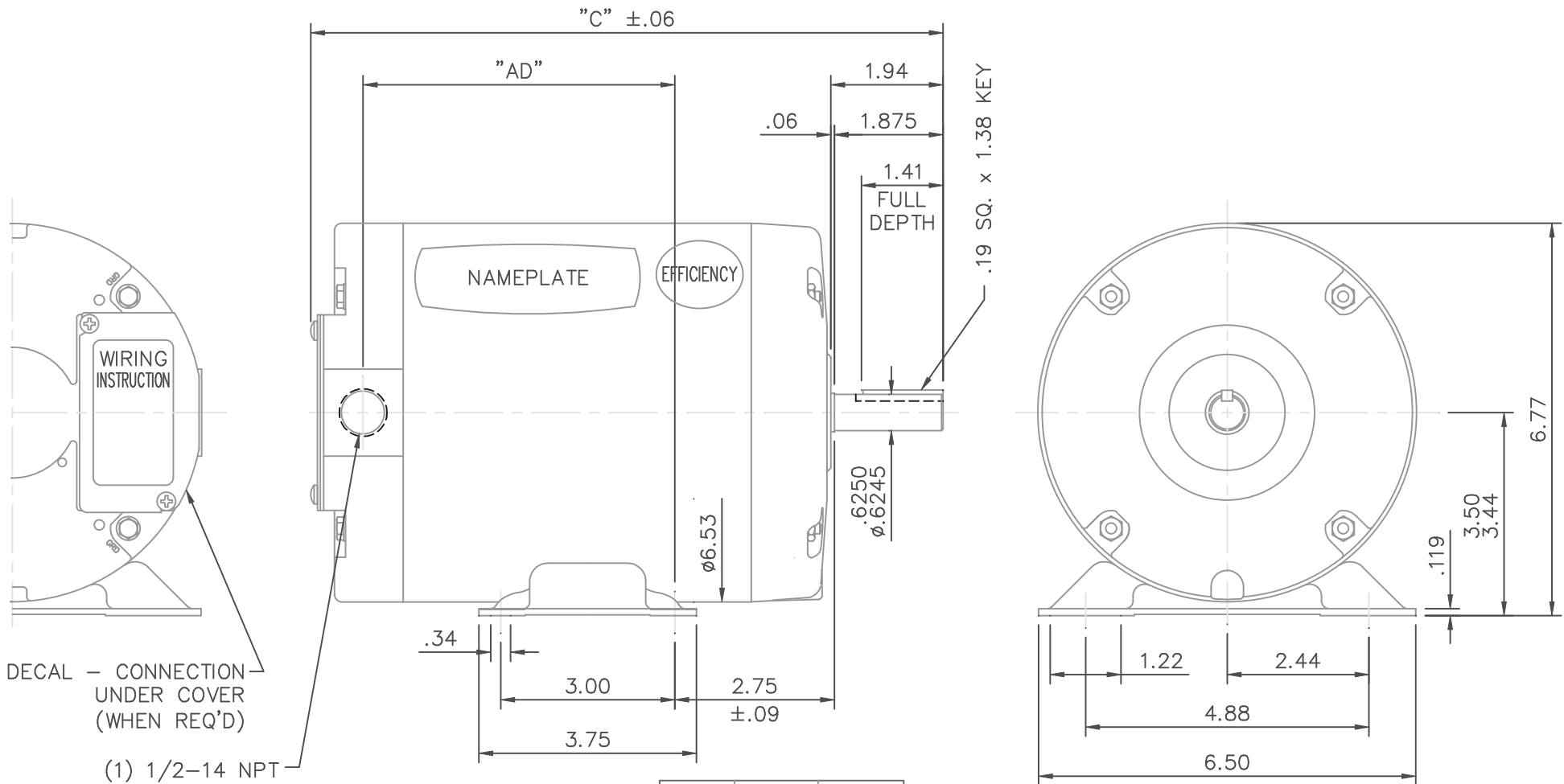
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	575 V
Current	0.60 A	Speed	3450 rpm
Service Factor	1.15	Phase	3
Efficiency	82.5 %	Duty	Continuous
Insulation Class	B	Design Code	B
KVA Code	M	Frame	56
Enclosure	Totally Enclosed Non Ventilated	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
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	Rolled Steel	Shaft Type	NEMA 56
Overall Length	10.40 in	Frame Length	5.50 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	034982-550	Connection Diagram	005102.01

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 10/15/2018



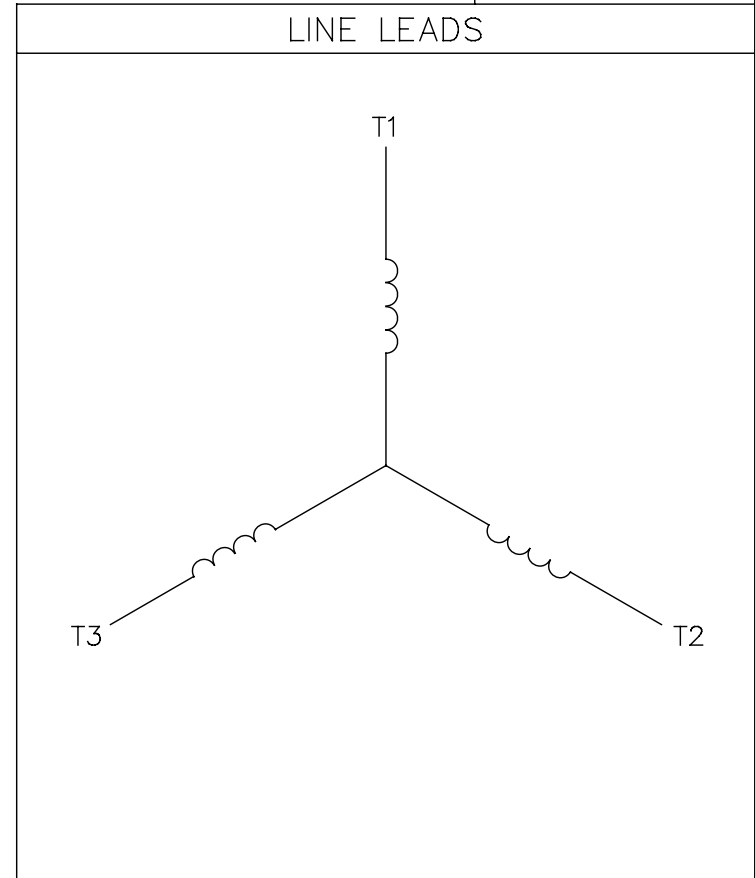
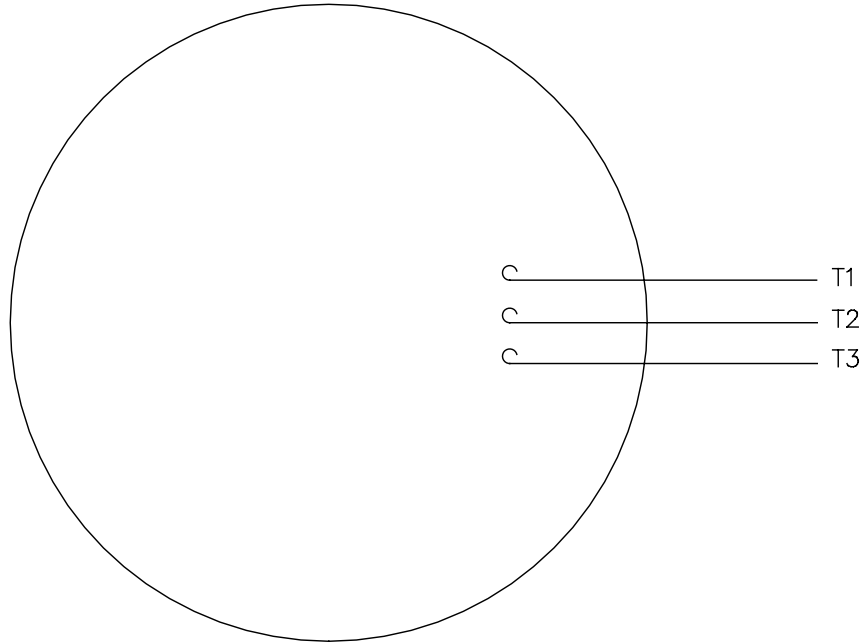
DASH NO.	"C"	"AD"
500	9.90	4.37
550	10.40	4.87
600	10.90	5.37
650	11.40	5.87

GASKETS THROUGHOUT

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RDW 2/21/03		
				DEC.	INCHES		CHK		
				.X	±.1		APPD SW 2/21/03		
				.XX	±.03		SCALE 3=8		
				.XXX	±.005		REF		
				.XXXX	±.0005	MAT'L. GENERAL PURPOSE	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	2/21/03	CAD FILE 034982	SIZE A	DRAWING NO. 034982	REV.
				DIST	BRF-NLV				

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		Regal Beloit America, Inc.			DRAWN JRW 9/11/75	
				DEC.	INCHES				CHK	
				.X	±.1	EXTERNAL WIRING DIAGRAM TYPE "T" W/O PROTECTOR		APPD JCW 9/11/75		
08	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XX	±.01			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

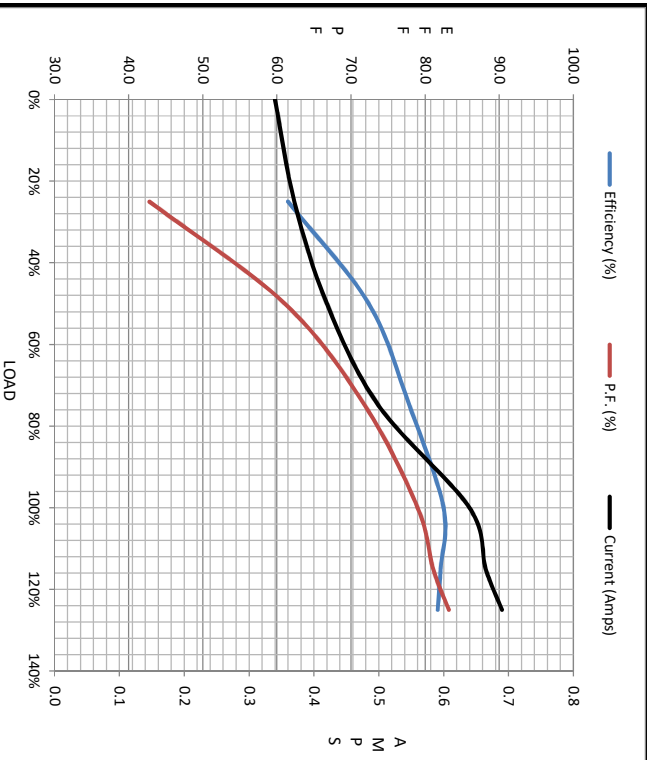
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.34	0.37	0.42	0.50	0.64	0.67	0.69	5.6
Torque (ft-lb)	0.00	0.19	0.37	0.56	0.75	0.85	0.94	2.53
RPM	3600	3576	3556	3535	3510	3502	3489	0
Efficiency (%)		61.5	72.4	77.9	82.5	82.1	81.7	
P.F. (%)	24.5	42.8	61.1	71.9	79.0	81.1	83.2	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	2700	3510	3600
Current (Amps)	5.6	5.2	3.4	0.64	0.34
Torque (ft-lb)	2.53	2.30	3.6	0.75	0.00

Information Block

HP	0.5			
Sync. RPM	3600			
Frame	140			
Enclosure	TENV			
Construction	TTW			
Voltage	575 V			
Frequency	60 Hz			
Design	B			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	60 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.04 lb-Ft ²			
Ref Wdg	T632165 NR			
Sound Pressure @ 1M	65 dBA			
VFD Rating	NONE			
Outline Dwg	034982-550			
Conn. Diag	005102.01			
Additional Specifications:				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

