

# PRODUCT INFORMATION PACKET



Model No: C6T17NB4E

Catalog No: 110199.00

1/2HP..1725RPM.56.TENV./575V.3PH.60HZ.CONT.NOT.40C.1.15SF.RIGID.575 VOLT.C6T17NB4E  
575 Volts



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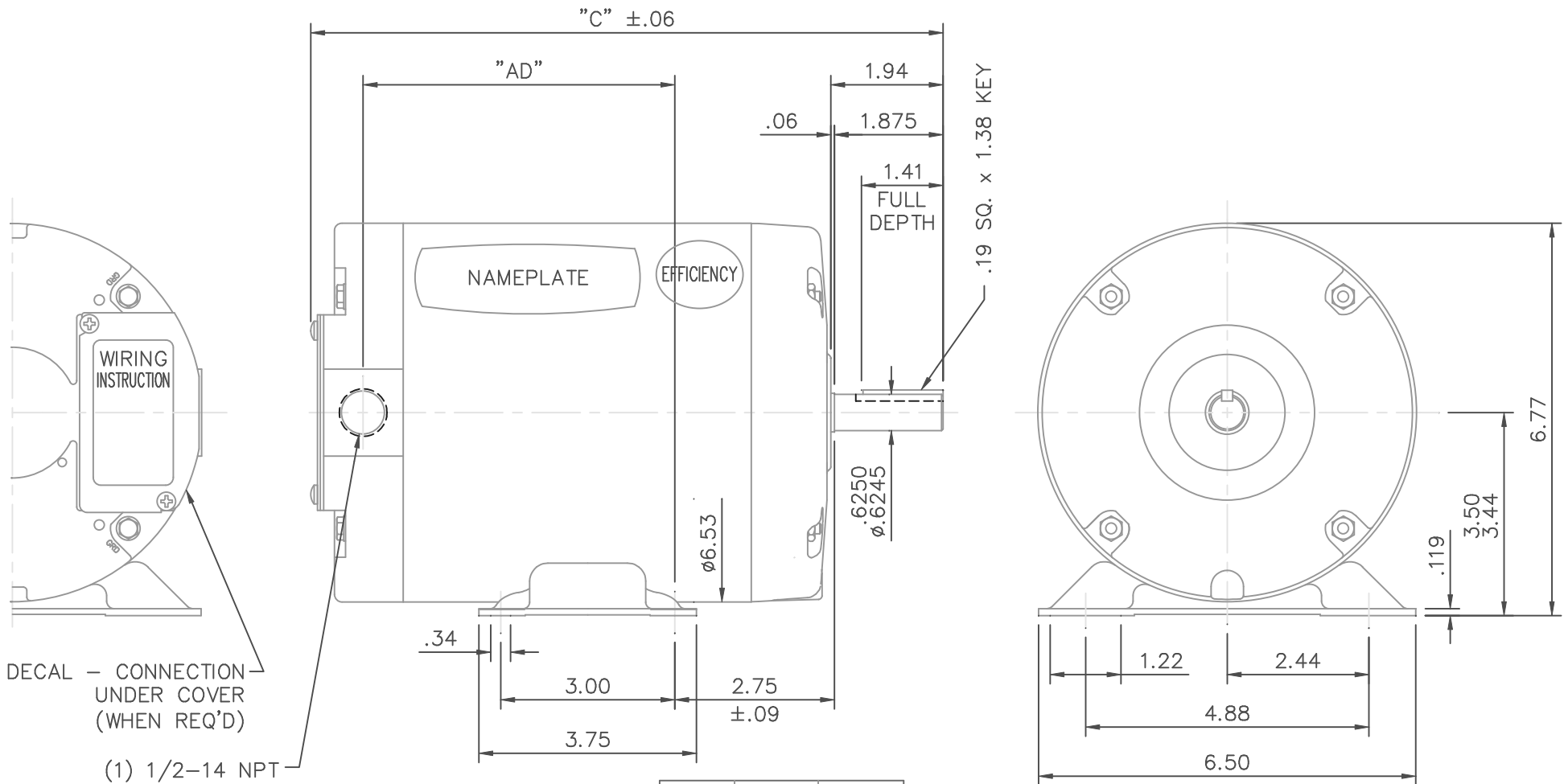


### Nameplate Specifications

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>0.72 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>78.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>L</b>	Frame	<b>C56</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>4</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>9.90 in</b>	Frame Length	<b>5.00 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>034982-500</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

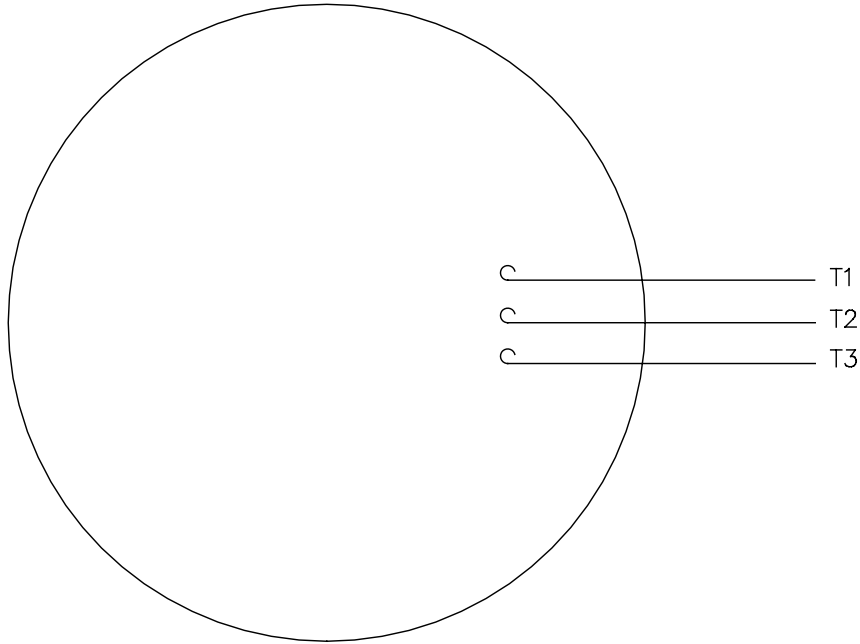
GASKETS THROUGHOUT

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

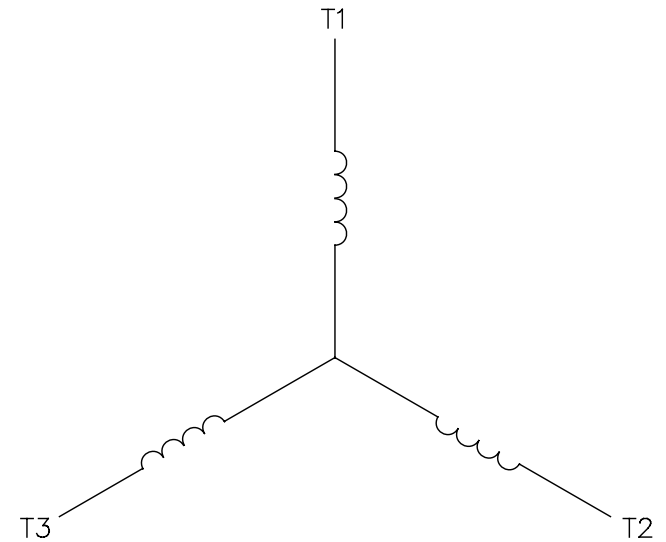
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005102-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



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	MAT'L.      DECAL - 004169			FMF      6T17FB7		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"				FINISH		
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



CERTIFICATION DATA SHEET

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

CATALOG #: 110199.00

CONN. DIAGRAM: 005102.01

OUTLINE: 034982-500

MOUNTING: F1 ONLY

WINDING #: T634208 NR 4 A

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	1800	1725	C56	TENV	L	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	.72	CROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	78.5	3/4 LOAD EFF:	76.4	1/2 LOAD EFF:	71	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	67	3/4 LOAD PF:	56	1/2 LOAD PF:	44	-	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
0 OZ-FT	4.9	72.1 OZ-FT	300 %	97.8 OZ-FT 408 %

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
- DBA	- DBA	0.06 LB-FT^2	0.1 LB-FT^2	- SEC.	-	0 LBS.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS DE ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDS	BRG RTDS	NONE	FALSE	NONE
NONE	NOT	NONE	NONE	NONE <td>FALSE <td>NONE </td></td>	FALSE <td>NONE </td>	NONE

\*

INVERTER TORQUE: NONE  
 INV. HP SPEED RANGE: NONE

N  
 O  
 T

ENCODER: NONE  
 NONE NONE  
 NONE NONE PPR

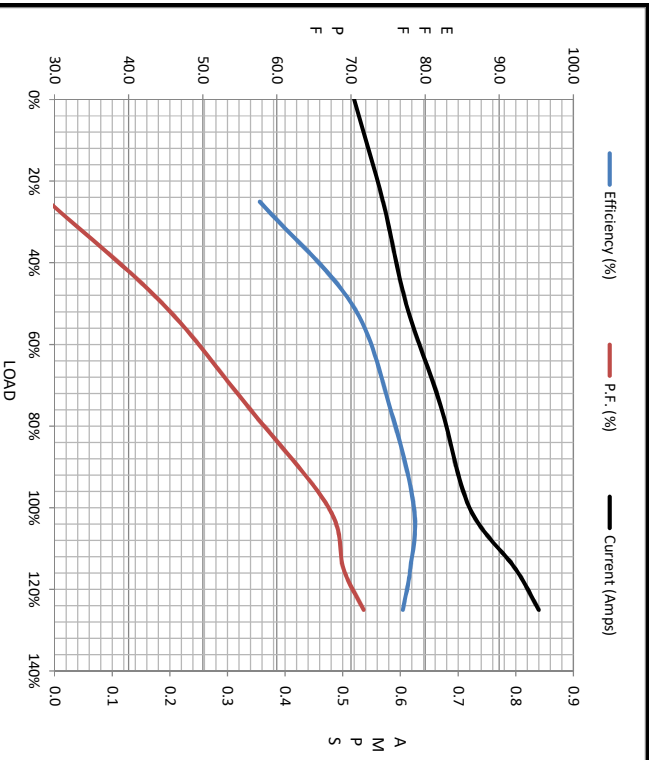
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BRAKE: NONE NONE  
 NONE P/N NONE  
 NONE NONE NONE V NONE  
 NONE FT-LB NONE V NONE HZ



Motor Load Data							LR
Load	0%	25%	50%	75%	100%	115%	125%
Current (Amps)	0.52	0.57	0.61	0.67	0.72	0.80	0.84
Torque (ft-lb)	0.00	96.0	192	288	384	448	480
RPM	1800	1788	1776	1764	1750	1,740	1735
Efficiency (%)		57.7	70.1	75.2	78.5	78.0	77.0
P.F. (%)	13.1	29.2	44.6	56.0	67.0	69.0	71.7

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:		
Speed (RPM)	0	300	1310	1750	1800		0.5	1800	140	TENV	TTR	575	60	A	L	1.15	70	CONT	40	1,000	0.06	T634208	NR	0	NONE	034982-500	005102.01		
Current (Amps)	9.8	4.6	3.6	0.72	0.52																								
Torque (ft-lb)	1,153	1,142	1,564	384	0.00																								



EQUIV CKT (OHMS / PHASE)			
R1	R2	X1	Xm
0.0000	0.0000	0.0000	0.0000

