

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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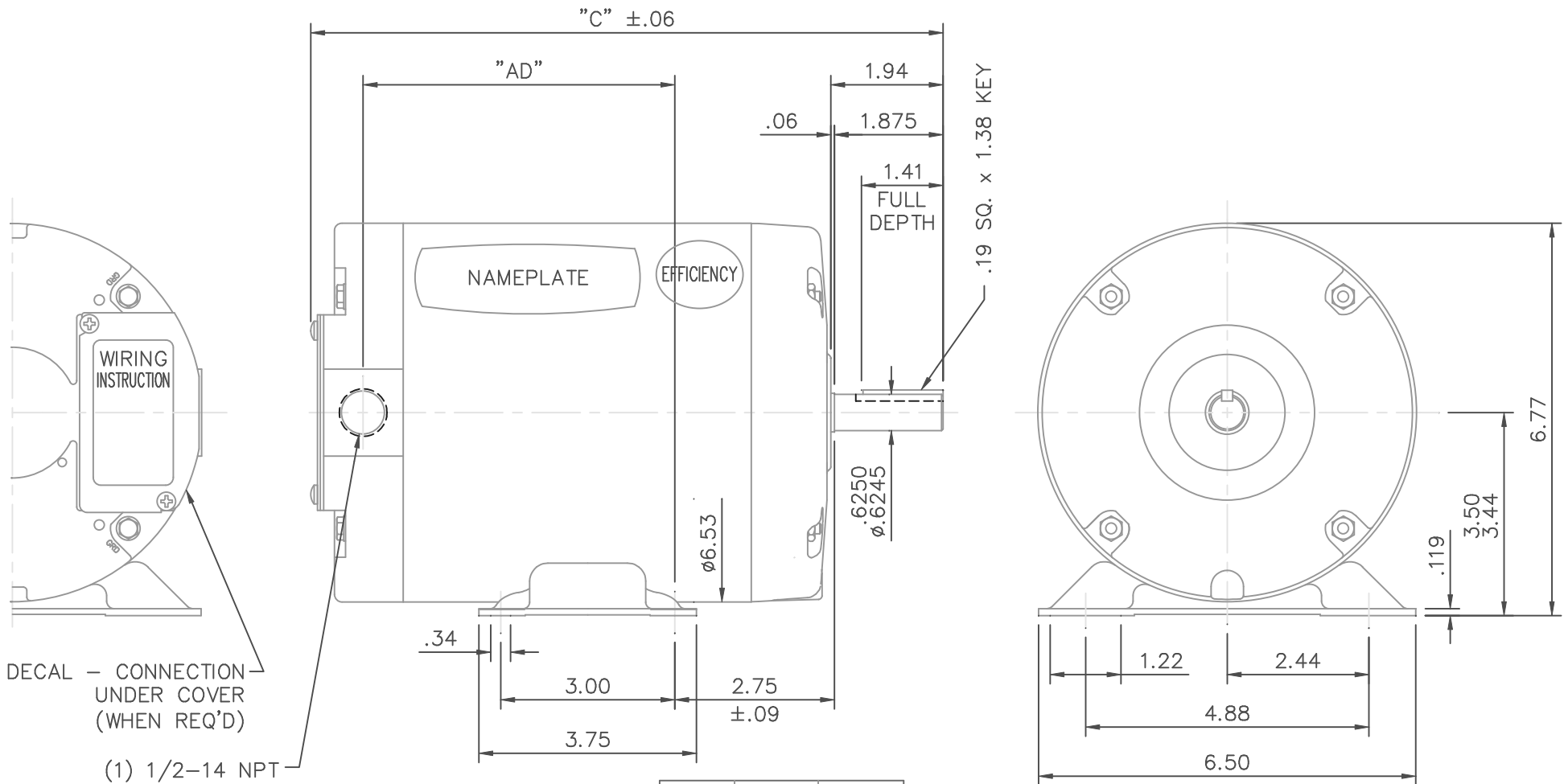
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	575 V
Current	0.72 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	78.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	L	Frame	C56
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	4	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	9.90 in	Frame Length	5.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	034982-500	Connection Diagram	005102.01


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

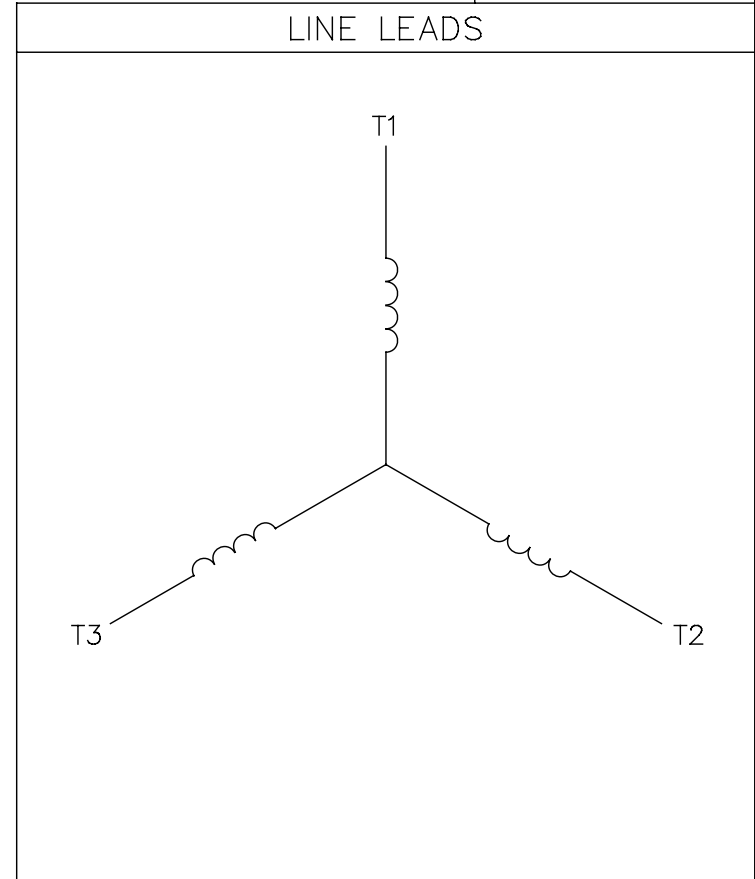
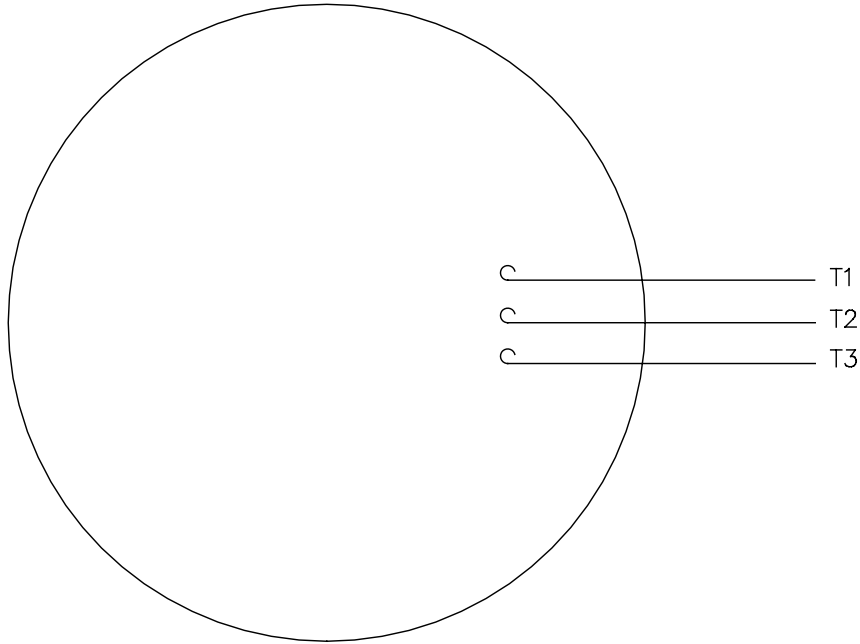
DASH NO.	"C"	"AD"
500	9.90	4.37
550	10.40	4.87
600	10.90	5.37
650	11.40	5.87

GASKETS THROUGHOUT

NO.		REVISION		BY & DATE		TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN RDW 2/21/03			
						DEC.	INCHES		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			
						ANG	±1/2'	MAT'L.	GENERAL PURPOSE			
						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	DRAWING NO.	REV.
						DIST	BRF-NLV			A	034982	

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			
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				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	ACROSS 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	FALSE	NONE

*

INVERTER TORQUE: NONE
 INV. HP SPEED RANGE: NONE

ENCODER:	NONE
NONE	NONE
NONE	PPR

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

S

