

PRODUCT INFORMATION PACKET



Model No: C6T17NK50A

Catalog No: 119289.00

..1HP..1800RPM.56C.TENV.230/460V.3PH.60HZ.CONT.40C.1.0 S.F..RIGID C FACE.....INVERTER
DUTY.T-STATS.....

Totally Enclosed Non-Ventilated (TENV)



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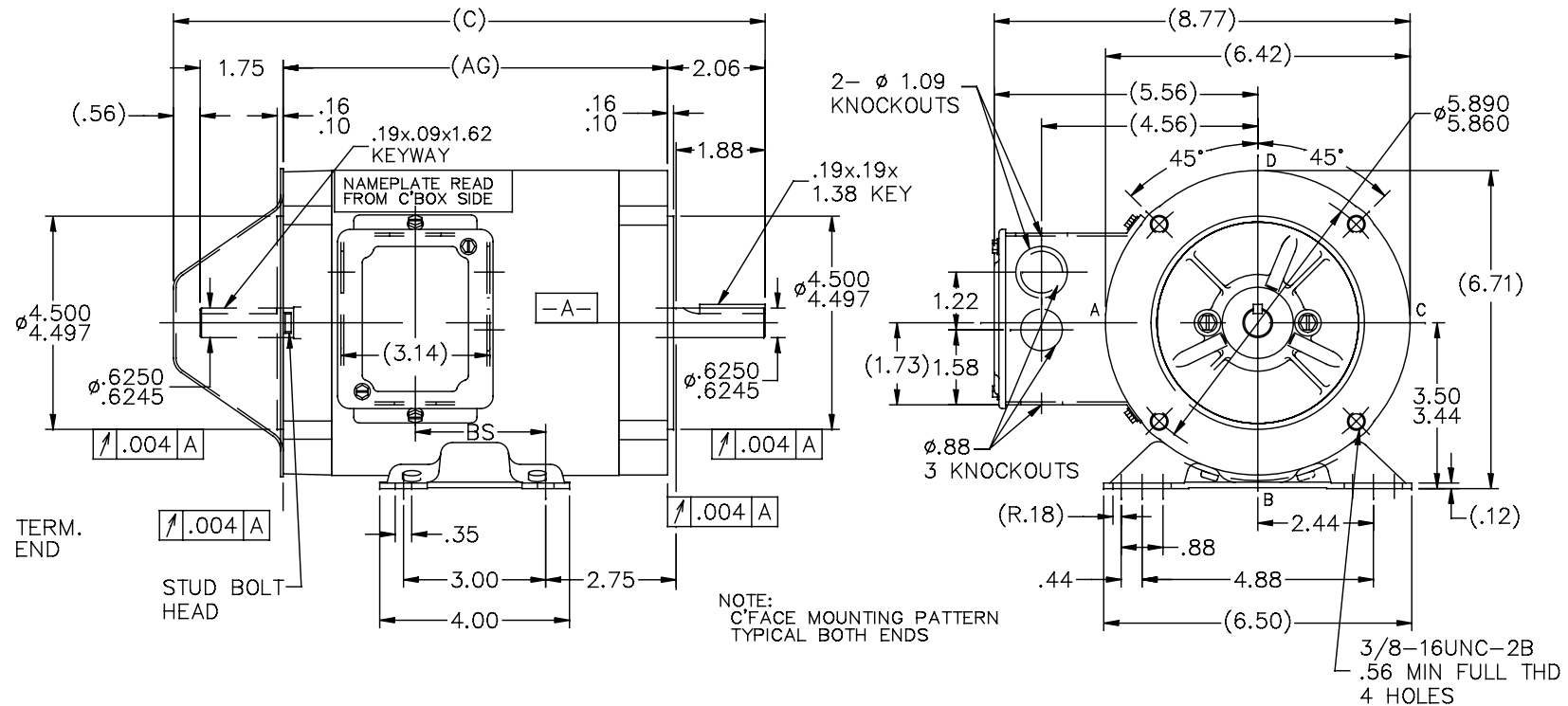
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.0/1.5 A	Speed	1725 rpm
Service Factor	1	Phase	3
Efficiency	84 %	Duty	Continuous
Insulation Class	F	Design Code	INV
KVA Code	P	Frame	56C
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	Y
IP Code	43		

Technical Specifications

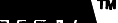
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Mounting	Bolt-on Base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	14.98 in	Frame Length	8.56 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-104043-856	Connection Diagram	A-EE7308T

104043

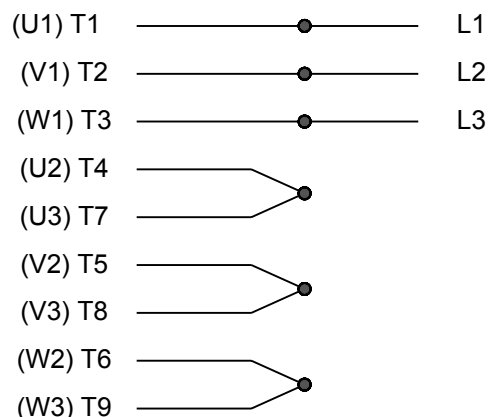


DASH	FR.	C	AG	BS	DASH	FR.	C	AG	BS
606	56–60	12.48	8.11	2.75	756	56–75	13.98	9.61	4.25
656	56–65	12.98	8.61	3.25	806	56–80	14.48	10.11	4.75
706	56–70	13.48	9.11	3.75	856	56–85	14.98	10.61	5.25

NOTES:
1- REMOVABLE BASE
2- CONDUIT BOX CAN BE ROTATED 180°

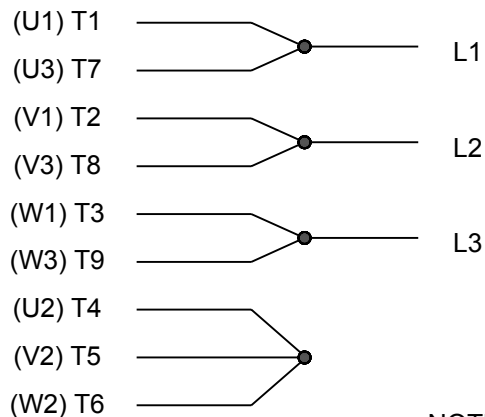
				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN CEB 08-16-1995				
6	CHANGED LOGO FROM MARATHON TO REGAL	SAJ 08/28/15	AB	DEC.	INCHES		CHK DA 08-18-1995				
5	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML	.X	±.1		APPD EAB 08-21-1995				
4	ADDED KEYWAY TO FRONT EXT. CN 27200-169	CAV 02-21-2000		.XX	±.03		SCALE 5=16				
3	REMOVED KEYWAY FROM FRONT EXT. CN 27400-442	CAV 10-08-1999		.XXX	±.005		REF				
2	REV. BLACK MAX 56 FR. -706 WAS -856 CN27400-264	BLR 07-14-1999		.XXXX	±.0005	MAT'L	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7°30"	FINISH	PREV				
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			DIST	WP				A	104043		6

HIGH VOLTAGE

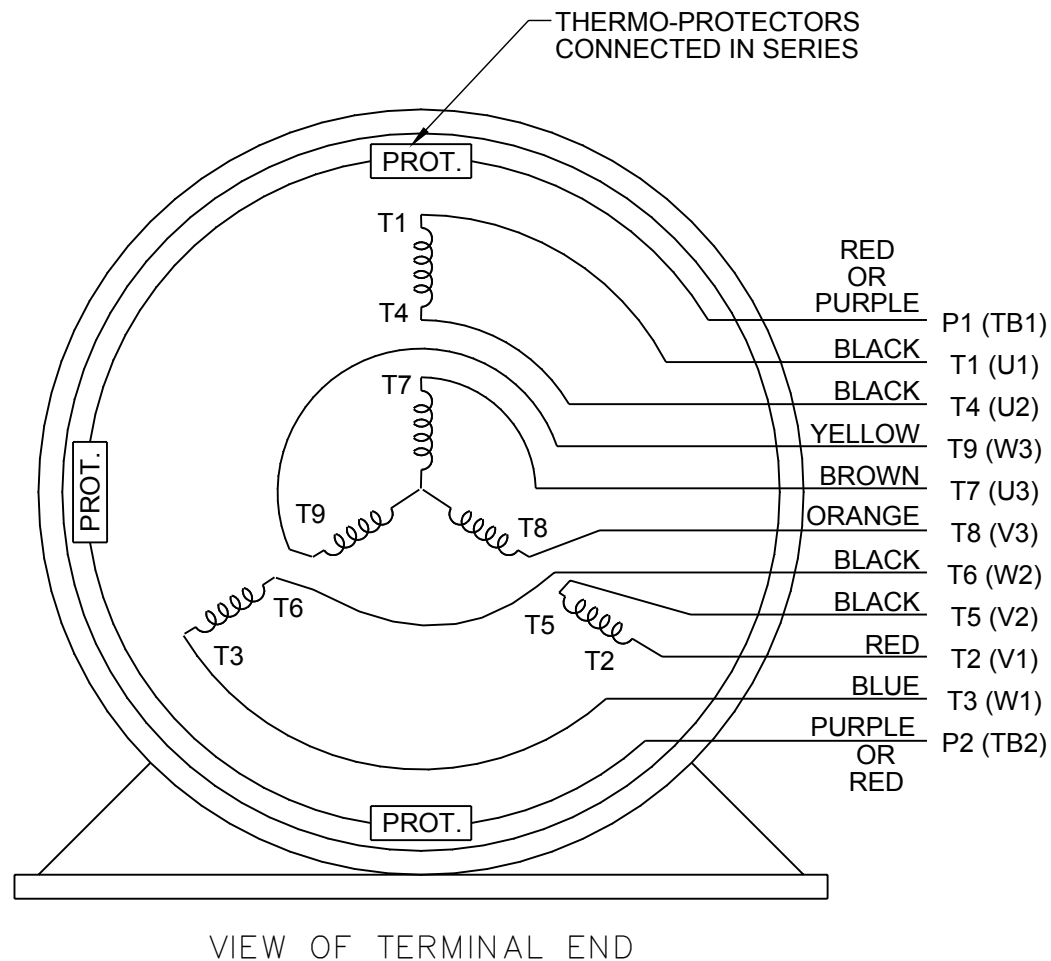


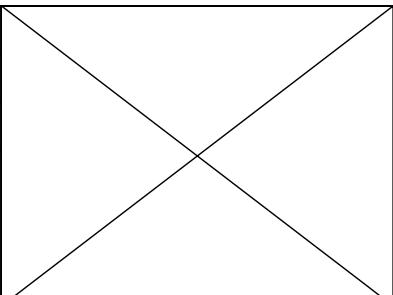
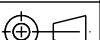
NOTE FOR FACTORY USE ONLY:
 TO SURGE TEST FOR COMMON CONNECT:
 HIGH VOLT: CONNECT P1 TO T1
 THEN P2 TO L1
 LOW VOLT: CONNECT P1 TO T1 & T7,
 THEN P2 TO L1

LOW VOLTAGE



NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT

THREE PHASE
DUAL VOLTAGE MOTOR

DRAWING REVISION R	REVISION BY AJW	DATE 07-17-2015		DRAWN BY SMC	 Regal Beloit America, Inc.			
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015		DATE 05-13-1992	DESCRIPTION CONN DIAGRAM-INTERNAL 3 PHASE - DUAL VOLTAGE MOTOR			
ECO DESCRIPTION REV'D IEC NOTATIONS PER IEC 60034-8				APPROVED BY TB				
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				REFERENCE EE7308/EE7300	MATERIAL		PROCESS/FINISH	
				THIRD ANGLE PROJECTION		SIZE A	DRAWING NUMBER EE7308T	



Data @ 460 V

Motor Load Data									
	0%	25%	50%	75%	100%	115%	125%	LR	
Load									
Current (amps)	1.00	1.10	1.20	1.30	1.50	1.66	1.80	15.0	
Torque (ft-lb)	0.00	0.75	1.50	2.20	3.0	3.4	3.7	10.8	
RPM	1800	1765	1778	1785	1750	1747	1740	0	
Efficiency (%)		59.0	78.5	82.5	84.0	83.5	84.0		
P.F. (%)	12.0	32.0	51.0	65.5	75.0	74.2	79.0	69.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	700	1300	1750	1800		
Current (amps)	15.0	12.5	8.2	1.50	1.00	HP	1.0
Torque (ft-lb)	10.8	9.5	15.0	3.0	0.00	Sync. RPM	1800

Information Block

Current (amps)	15.0	12.5	8.2	1.50	1.00
Torque (ft-lb)	10.8	9.5	15.0	3.0	0.00

HP	1.0
Sync. RPM	1800
Frame	56
Enclosure	TENV
Construction	TTR
Voltage	230/460 V
Frequency	60 Hz
Design	A
LR Code letter	P
Service Factor	1.15
Temp Rise @ FL	65 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk²	0.11 Lb-Ft²
Ref Wdg	Z1472 TTR
Sound Pressure @ 1M	62 dBA
VFD Rating	CONSTANT 1000:1
Outline Dwg	A-104043-856
Conn. Diag	A-EET/308T
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
8.3780	5.6230	10.7070	9.9120	278.0360

Speed -Torque Curve

