

# PRODUCT INFORMATION PACKET



Model No: C6T17VC44B  
Catalog No: 116464.00  
3/4HP..1725RPM.56.TENV.208-230/460V.3PH.60HZ.CONT.NOT.40C.1.15SF.C  
FACE.Brakemotors.C6T17VC44B  
Brake Motors



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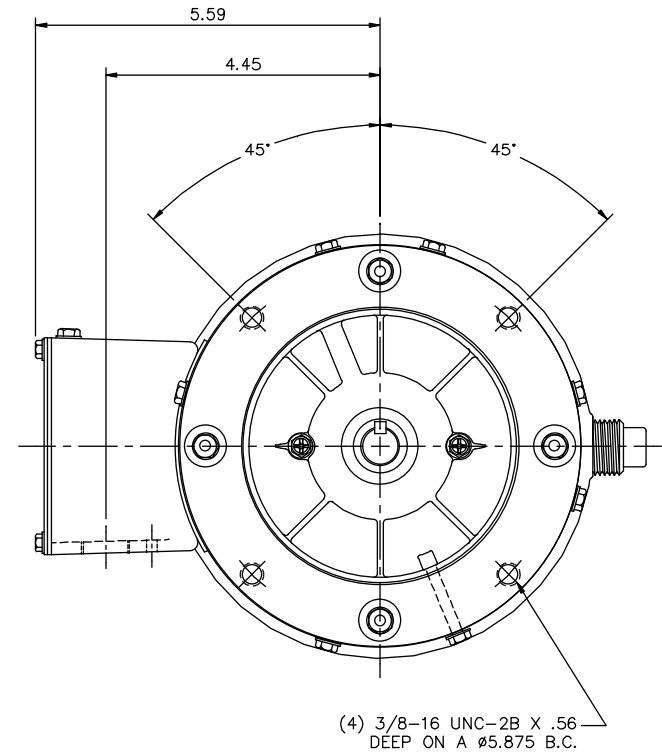
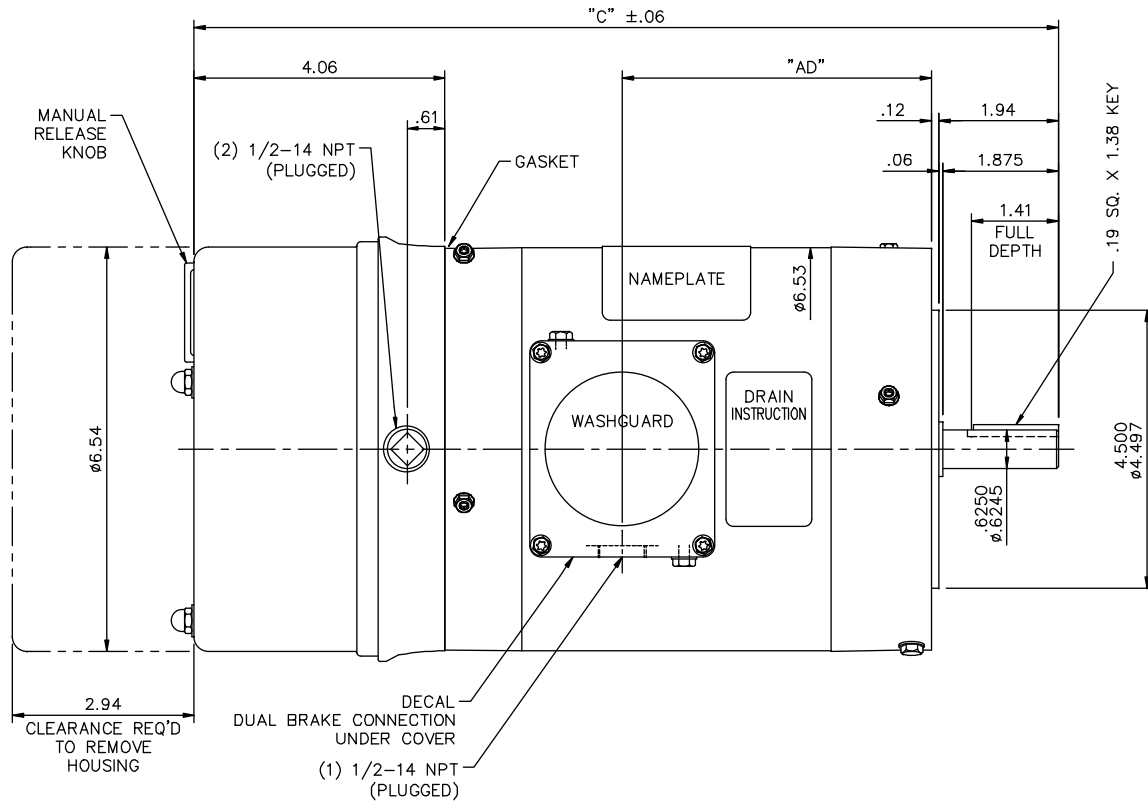


### Nameplate Specifications

Output HP	<b>0.75 Hp</b>	Output KW	<b>0.56 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>208-230/460 V</b>
Current	<b>2.7-2.5/1.3 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>80 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>L</b>	Frame	<b>56C</b>
Enclosure	<b>Totally Enclosed Non Ventilated</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6205</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>55</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>Round</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>15.00 in</b>	Frame Length	<b>6.00 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>028577-600</b>	Connection Diagram	<b>005010.15</b>



DASH NO.	"C"	"AD"
500	14.00	5.01
550	14.50	5.51
600	15.00	6.01
650	15.50	6.51

MAXIMUM FACE RUNOUT TO BE .004 TIR  
 MAXIMUM PILOT ECCENTRICITY .004 TIR  
 PERMISSIBLE SHAFT RUNOUT .002 TIR

**WASHGUARD FEATURES:**

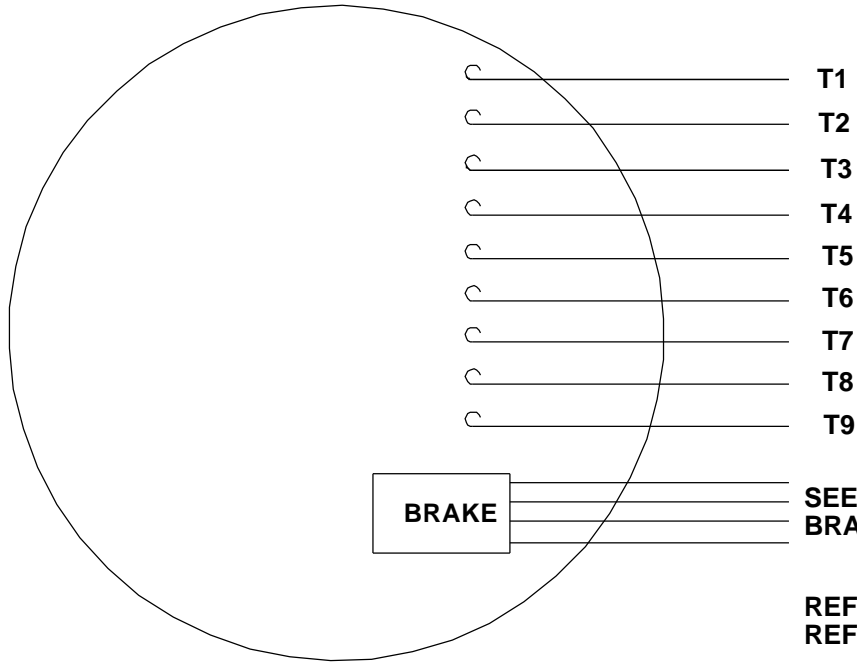
- 1) SHAFT SEAL & V-RING
- 2) DRAIN HOLES IN ENDBELLS & CONDUIT BOX
- 3) STAINLESS STEEL SHAFT, HARDWARE & NAMEPLATE
- 4) GASKETS THROUGHOUT

NO.	REVISION	BY & DATE	CHK	ANG	FINISH	TOLERANCES UNLESS SPECIFIED		MATERIAL	DRAWN	LST	
						DEC.	INCHES				
03	ADDED DRAIN SCREWS TO ALL HOLES ECR-0034519	ARV 7/30/13	SK	.X	±.1	TITLE	ELECTRIC MOTORS GEARMOTORS AND DRIVES	APPD	KH 1/19/04		
02	NOTE WAS (1) 1/2-14 NPT (PLUGGED) FOR BRAKE	ARV 5/30/09	.XX	±.03	SCALE			1=2			
01	REV'D DRAIN HOLE SCREW LOC'NS IN L.E ENDBELL TO MATCH ENDBELL MACHINING	BJB 03/18/04	.XXX	±.005	REF			028575			
			.XXXX	±.0005	FMF						
					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	CAD FILE	028577	SIZE	DRAWING NO.	REV.
						DIST			B	028577	03



ELECTRIC MOTORS  
GEARMOTORS  
AND DRIVES

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

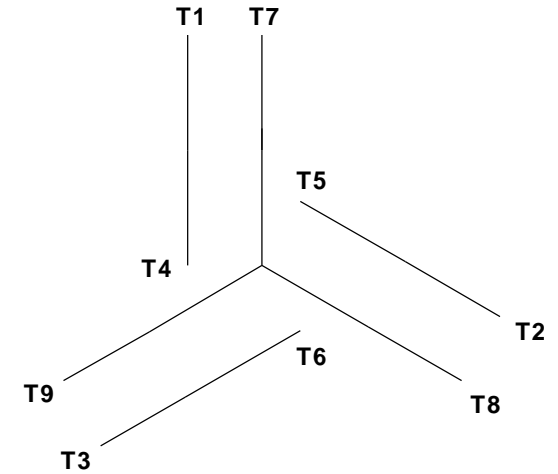


**CAUTION:**  
LEAD WIRE INSULATION TO EXTEND  
MINIMUM OF 1/4" INTO CONNECTOR  
INSULATION

SEE TABLE FOR  
 BRAKE CONNECTIONS

REF. DECAL (MOTOR) - 004014  
 REF. DECAL (BRAKE) - 080034 (STEARNS & DINGS BRAKE)

**LINE LEADS**



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4, T7) (T5, T8) (T6, T9)
LOW	T1, T7	T2, T8	T3, T9	T4, T5, T6

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**TYPE "T" W/O PROTECTOR**

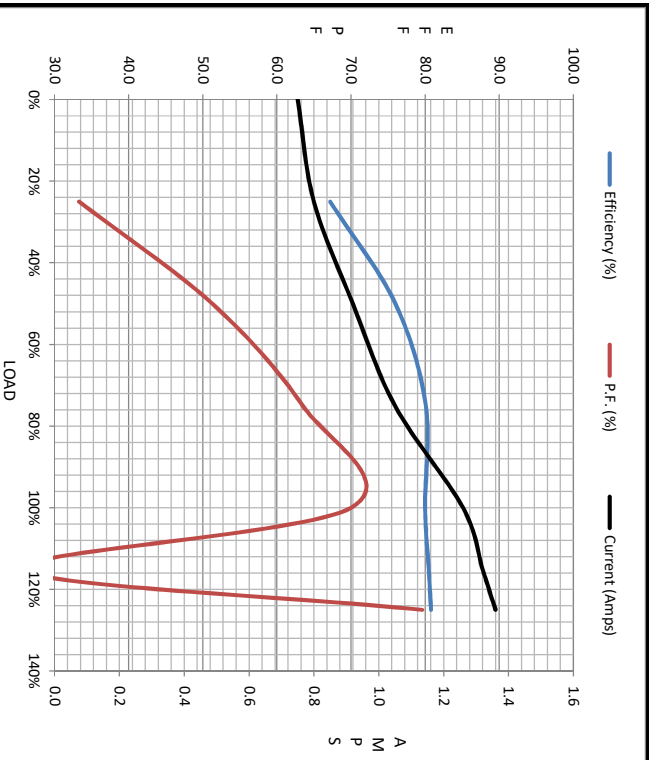
VOLTAGE	STEARNS BRAKE			DINGS BRAKE		
	L1	L2	Join	L1	L2	Join
HIGH	1(RE D)	2(RE D)	3(BLACK) 4(BLACK)	2(BLACK)	4(YELLOW)	1(YELLOW) 3(BLACK)
LOW	1(RE D) 3(BLACK)	2(RE D) 4(BLACK)	-----	2(BLACK) 3(BLACK)	1(YELLOW) 4(YELLOW)	-----

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN JJK 09/17/96	
				DEC	INCHES		CHK	
				.X	±.1	APPR		
				.XX	±.01	SCALE 1:1		
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11	.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM STANDARD 3 PHASE - DUAL VOLTAGE		REF 005010-01	
01	ADDED DINGS AND BRAKE TABLE (PER CN114156)	TMZ 11/12/96	.XXXX	±.0005	MAT'L W/STEARNS OR DINGS DUAL VOLTAGE BRAKE CONN.		FMF	
NO	REVISION	BY & DATE	CHK	ANG ±1/2°	FINISH LEESON STOCK		PAGE OF	
THIRD ANGLE PROJECTION				RFP	PREV	SIZE	DRAWING NO	REV
				NETWORK FILE NAME 00501015		A	005010-15	--



Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.75	0.80	0.92	1.05	1.26	1.32	1.36	8.8	
Torque (ft-lb)	0.00	0.56	1.13	1.69	2.25	3.2	2.81	6.7	
RPM	1800	1791	1780	1771	1759	1,740	1747	0	
Efficiency (%)		67.2	76.0	80.1	80.0	80.5	80.8		
P.F. (%)	12.6	33.3	51.3	63.5	70.0	25.6	79.6	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:	
Speed (RPM)	0	850	1300	1759	1800	0.8	1800	140	TENV	TTR	208-230/460	60	B	L	1.15	80	CONT	40 °C	1,000 feet	1634245 NR	0	dB(A)	NONE	028577-600	005010.15		
Current (Amps)	8.8	8.0	4.8	1.26	0.75																						
Torque (ft-lb)	6.7	6.6	8.8	2.25	0.00																						



	R1	R2	X1	X2	Xm
EQUIV CKT (OHMS / PHASE)	0.0000	0.0000	0.0000	0.0000	0.0000
0					
0					

