

# PRODUCT INFORMATION PACKET



Model No: C6T17DK8F  
Catalog No: 111327.00  
3/4HP..1725RPM.56.DP.230/460V.3PH.60HZ.CONT.NOT.40C.1.25SF.RIGID  
C.BRAKEMOTORS.C6T17DK8F  
Brake



Regal and Leeson are trademarks of Regal Beloit Corporation or one of its affiliated companies.  
©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E



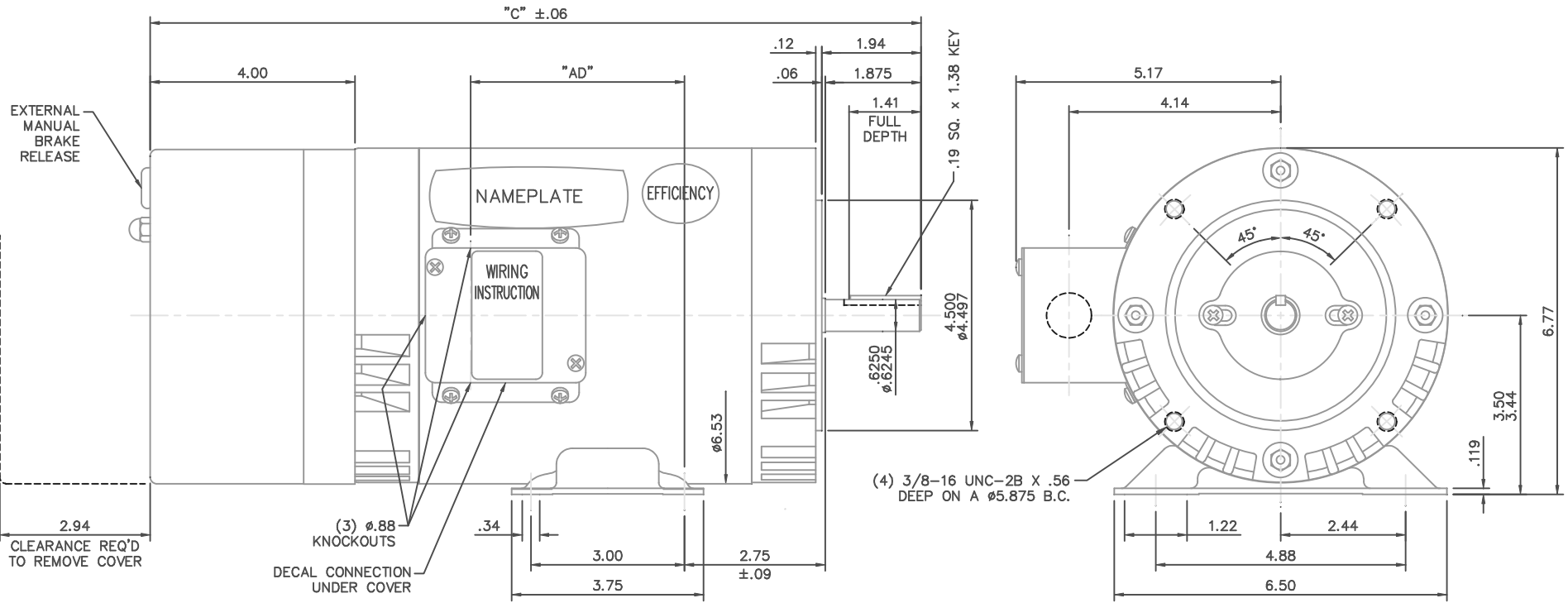


### Nameplate Specifications

Output HP	<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>2.8/1.4 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.25</b>	Phase	<b>3</b>
Efficiency	<b>77 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>B</b>	Design Code	<b>B</b>
KVA Code	<b>K</b>	Frame	<b>56C</b>
Enclosure	<b>Drip Proof</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>22</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>14.06 in</b>	Frame Length	<b>5.50 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>028527-550</b>	Connection Diagram	<b>005010.15</b>



DASH NO.	"C"	"AD"
500	13.56	2.68
550	14.06	3.18
600	14.56	3.68
650	15.06	4.18
700	15.56	4.68

MAXIMUM FACE RUNOUT .004 T.I.R.  
 MAXIMUM PILOT ECCENTRICITY .004 T.I.R.  
 PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

NO.		REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH	SIZE	DRAWING NO.	REV.
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	028527	B	028527	028527	
				DIST						

TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN
DEC.	INCHES		RLW 06/12/03
.X	±.1		CHK
.XX	±.03		APPD
.XXX	±.005		SCALE
.XXXX	±.0005	REF	
		TITLE	1=2
		MAT'L	PREV
		FINISH	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

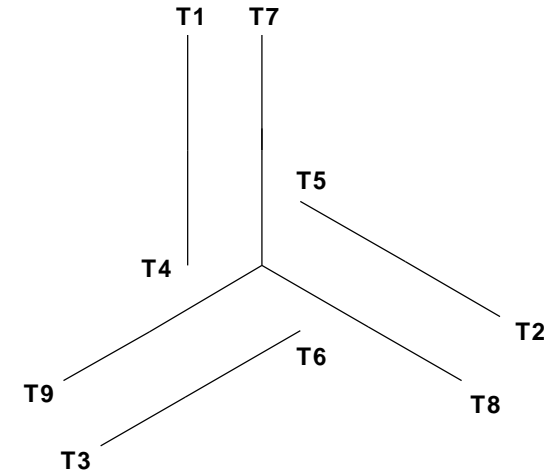


**CAUTION:**  
LEAD WIRE INSULATION TO EXTEND  
MINIMUM OF 1/4" INTO CONNECTOR  
INSULATION

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

RBC PROPRIETARY AND CONFIDENTIAL INFORMATION  
 This document is the property of REGAL BELOIT CORPORATION ("RBC") including its subsidiaries and divisions and contains proprietary information of RBC. This document is loaned on the express condition that neither it nor the information contained therein shall be disclosed to others without the express written consent of RBC, and that the information shall be used by the recipient only as approved expressly by RBC. This document shall be returned to RBC upon its request. This document may be subject to certain restrictions under U.S. export control laws and regulations.

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

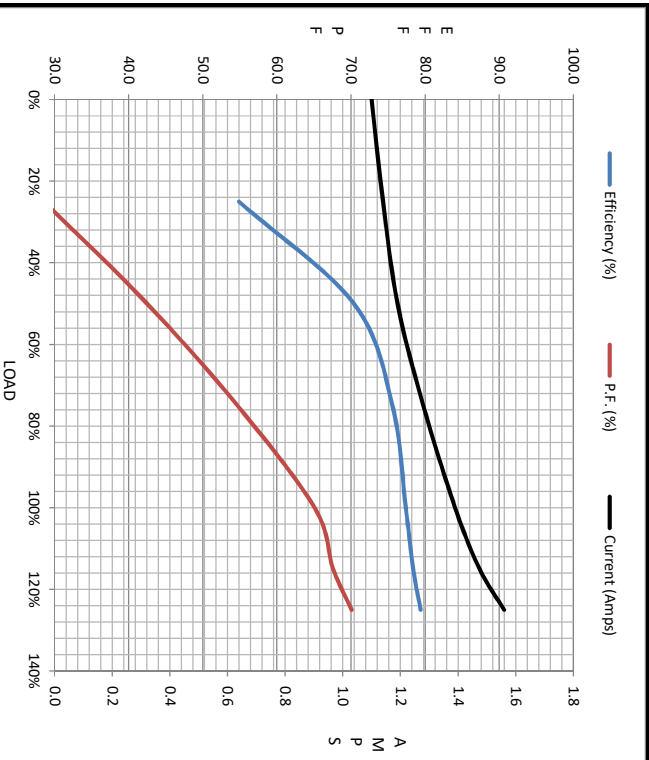
VOLTAGE	STEARNS BRAKE			DINGS BRAKE		
	L1	L2	Join	L1	L2	Join
HIGH	1(REDF)	2(REDF)	3(BLACK) 4(BLACK)	2(BLACK)	4(YELLOW)	1(YELLOW) 3(BLACK)
LOW	1(REDF) 3(BLACK)	2(REDF) 4(BLACK)	-----	2(BLACK) 3(BLACK)	1(YELLOW) 4(YELLOW)	-----

				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)	1.10	1.14	1.19	1.28	1.39	1.48	1.56	8.1
Torque (ft-lb)	0.00	144	287	431	574	10,313	718	1,691
RPM	1800	1787	1774	1750	1746	1,740	1730	0
Efficiency (%)		54.9	70.4	75.6	77.4	78.4	79.4	
P.F. (%)	13.0	28.6	42.5	54.7	65.1	67.6	70.1	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:	R1	R2	X1	X2	Xm	
0	100	1200	1746	1800		0.8	1800	140	DP	NA	208-230/460	60	B	K	1.15	56	CONT	40	1,000	0.06	T634188 DR	999	NONE	028627-550	005010.15		0.0000	0.0000	0.0000	0.0000	0.0000	
Current (Amps)	8.1	7.4	4.8	1.39	1.10																											
Torque (ft-lb)	1,691	1,644	2,138	574	0.00																											



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

