

# PRODUCT INFORMATION PACKET



Model No: 114158.00  
Catalog No: 114158.00  
0.33 HP Brake Motor, 3 phase, 1800 RPM, 208-230/460 V, 56C Frame, TENV  
NEMA Definite Purpose AC Brake Motors



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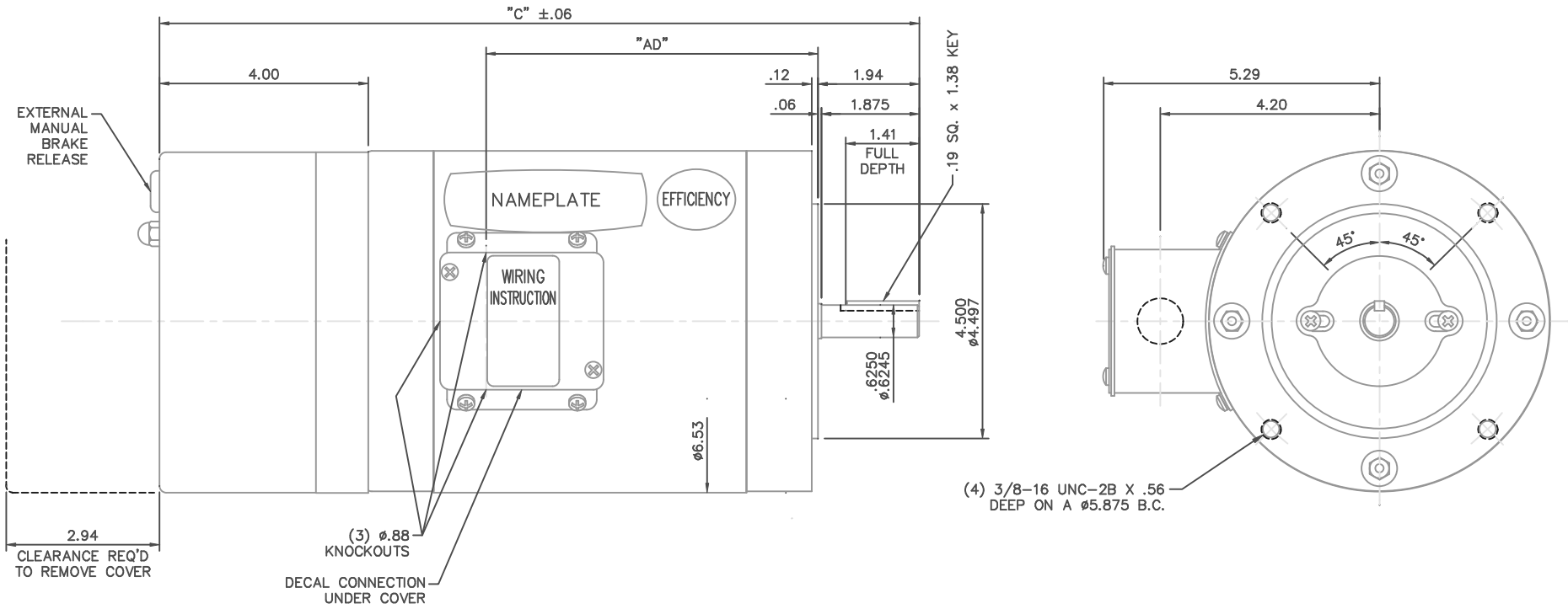
### Nameplate Specifications

Output HP	0.33 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	1.4-1.3/0.65 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	72 %	Power Factor	66
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	L
Frame	56C	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	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
Resistance Main	59.2 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	13.56 in
Frame Length	5.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.15	Outline Drawing	028532-500

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DASH NO.	"C"	"AD"
500	13.56	5.37
550	14.06	5.87
600	14.56	6.37
650	15.06	6.87
700	15.56	7.37

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

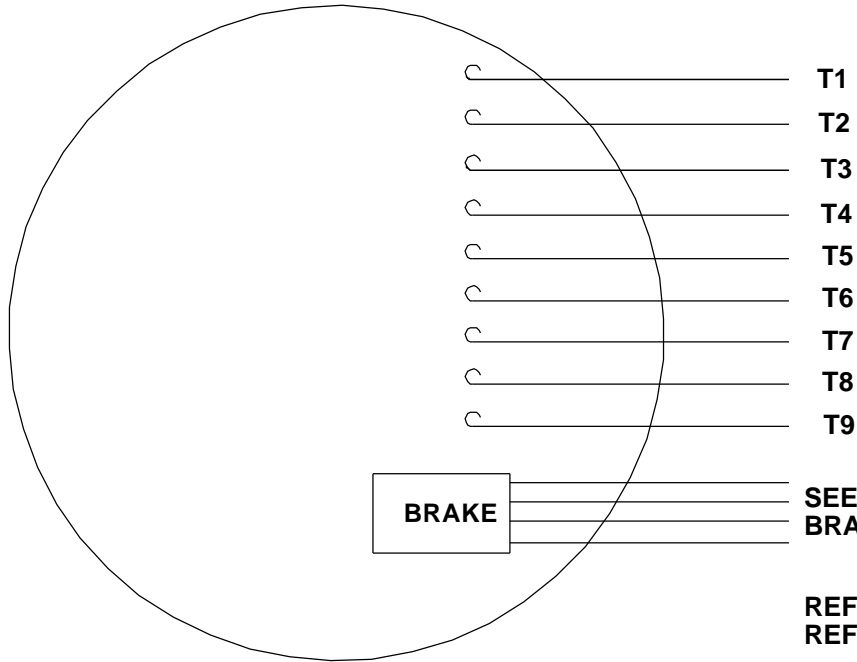
GASKETS THROUGHOUT

NO.		REVISION	BY & DATE	CHK	ANG	FINISH	PREV
02	ADD BRAKE CONN DECAL		LST 10/12/07				
01	CHANGED DRAWING TITLE BLOCK		RLW 10/12/07				
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	028532	SIZE B
				DIST			DRAWING NO. 028532
							REV. 02

**LEESON** ELECTRIC MOTORS GEARMOTORS AND DRIVES  
 DRAWN RLV 06/12/03  
 CHK  
 APPD  
 SCALE 1=2  
 REF  
 FMF  
 PREV

TITLE OUTLINE 56 FRAME T.E.N.V. - "C" FACE  
 MAT'L BRAKEMOTOR

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

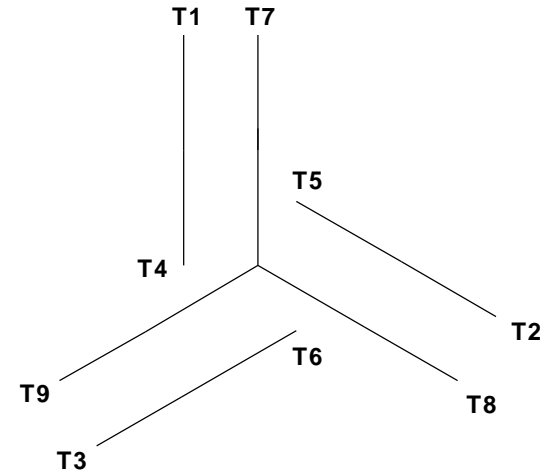


**CAUTION:**  
LEAD WIRE INSULATION TO EXTEND  
MINIMUM OF 1/4" INTO CONNECTOR  
INSULATION

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	BRAKE CONNECTION					
	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	--

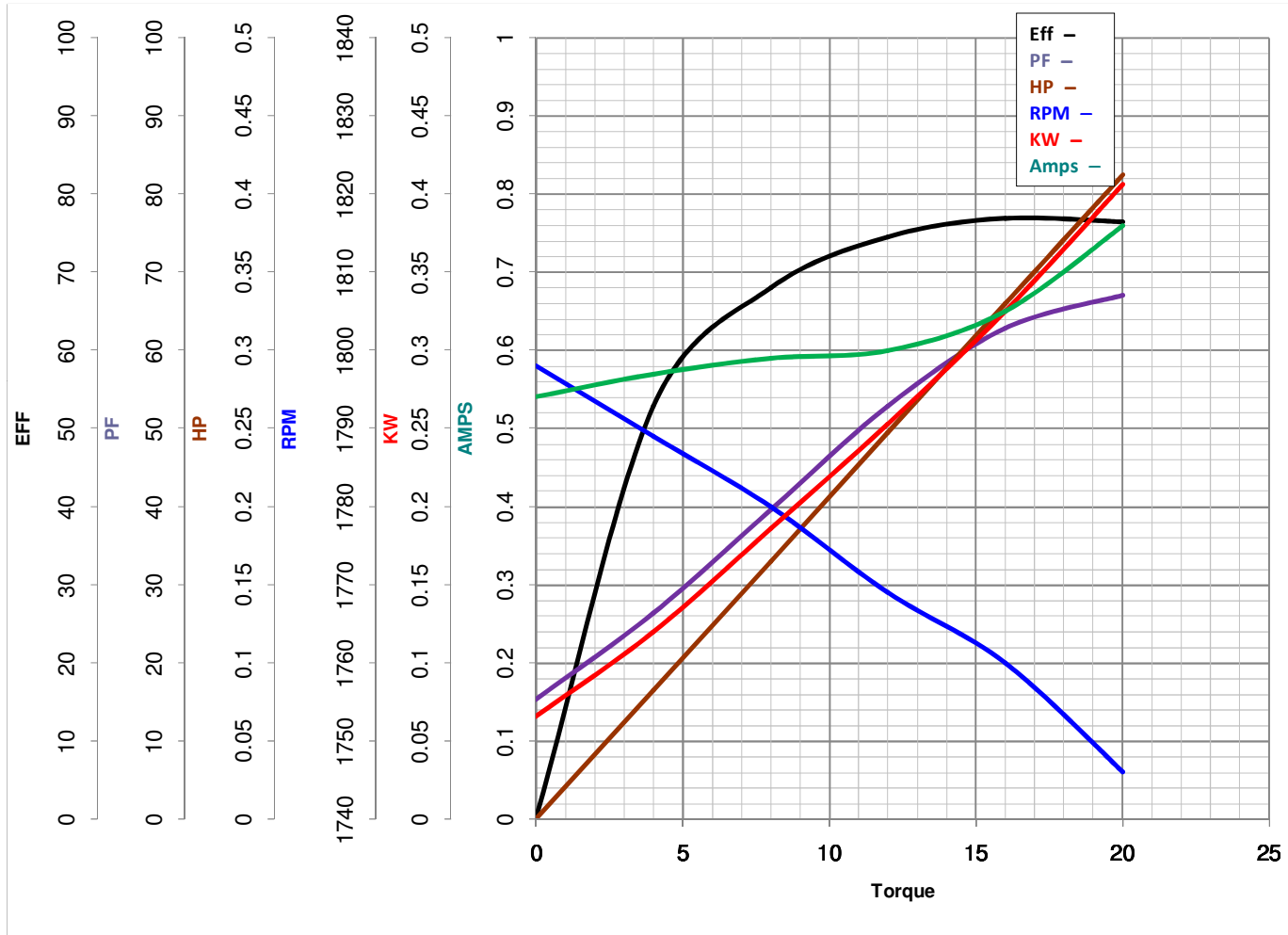


**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 114158.00

Catalog No 114158.00

Curve at 460 Volts      HP 0.33      PHASE 3  
60 HZ  
0.33 HP      VOLTS 208-230/460  
    HZ 60      RPM 1725



Torque in Oz.Ft

FL TORQUE 16 Oz.Ft  
 BD TORQUE 72.0 Oz.Ft  
 LR TORQUE 45 Oz.Ft

FL AMPS 1.4-1.3/65  
 PU TORQUE 43.0 Oz.Ft  
 LR AMPS 4.2

WINDING T634241-3

Date 5/28/2018