

PRODUCT INFORMATION PACKET



Model No: 114157.00
Catalog No: 114157.00
Brake Motor, 0.75 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 56C Frame, DP

Operational at 208-230/460 V @60HZ



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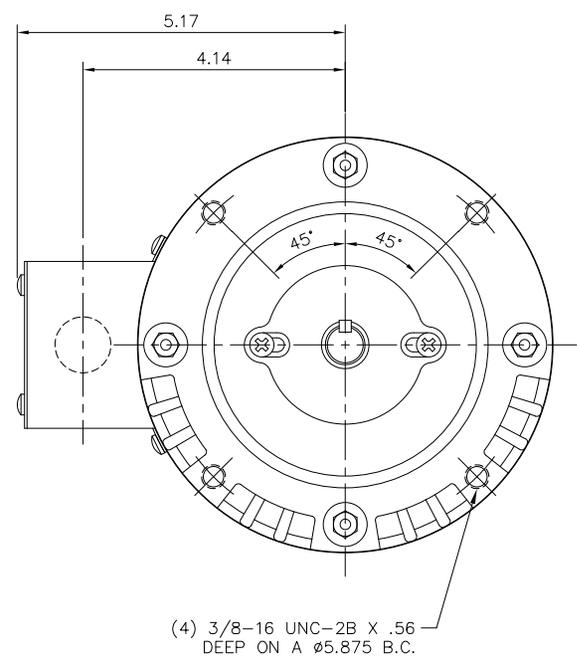
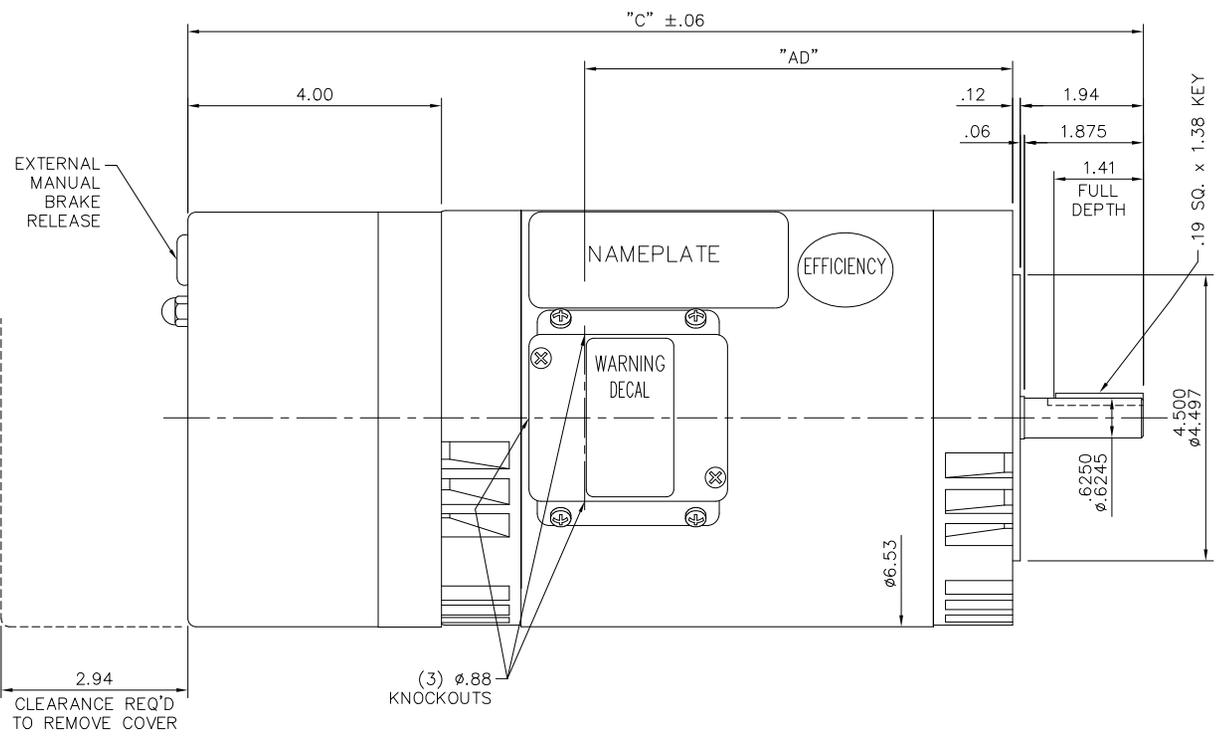
Nameplate Specifications

Phase	3	Output HP	0.75 Hp
Output KW	0.56 kW	Voltage	230/460 V
Speed	1725 rpm	Service Factor	1.25
Frame	56C	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	77 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	2.8/1.4 A	Power Factor	65
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	K
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	26.24 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	14.06 in
Frame Length	5.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.15	Outline Drawing	028525-550

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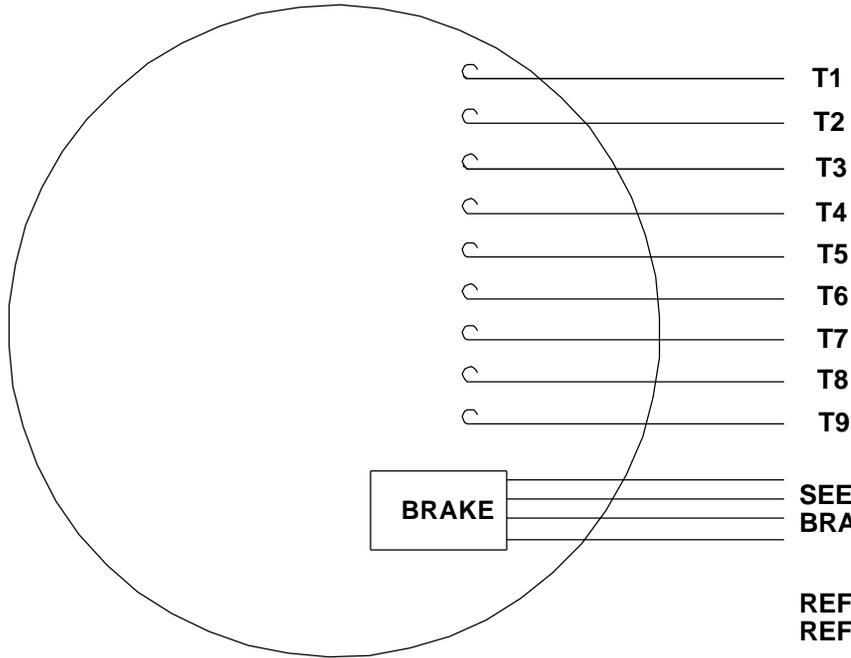


DASH NO.	"C"	"AD"
500	13.56	5.25
550	14.06	5.75
600	14.56	6.25
650	15.06	6.75
700	15.56	7.25

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

		TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN R/LW 06/12/03
		DEC.	INCHES			CHK
		.X	±.1			APPD
		.XX	±.03	TITLE		SCALE 1=2
		.XXX	±.005	OUTLINE 56 FRAME DRIP PROOF - "C" FACE		REF
01	UPDATED NP METAL TO MYLAR AS PER ECR-0221131	PP	10/10/22	PP	.XXXX ±.0005	FMF
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	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	028525
				DIST	SIZE	DRAWING NO.
					B	028525
						REV. 01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

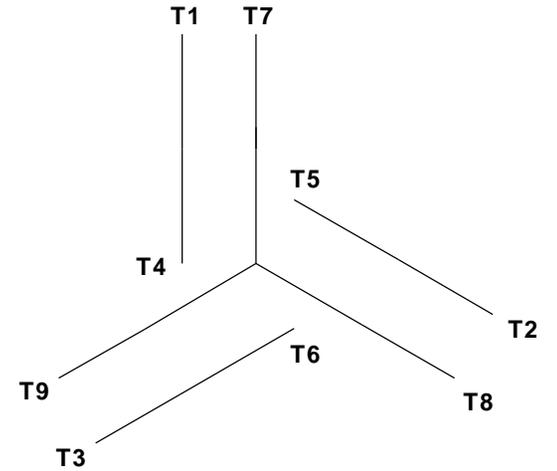


CAUTION:
LEAD WIRE INSULATION TO EXTEND
MINIMUM OF 1/4" INTO CONNECTOR
INSULATION

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(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	--

Data Sheet

Date: 1/30/2018

114157.00



Data @ 460 V

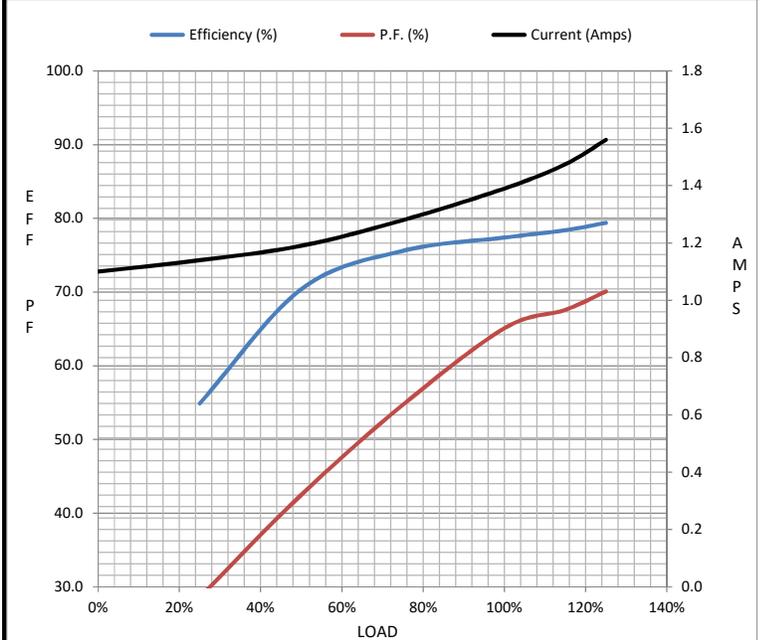
Motor Load Data

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	1760	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

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	100	1200	1746	1800
Current (Amps)	8.1	7.4	4.8	1.39	1.10
Torque (ft-lb)	1,691	1,644	2,138	574	0.00

Information Block				
HP	0.8			
Sync. RPM	1800			
Frame	140			
Enclosure	DP			
Construction	NA			
Voltage	208-230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	56 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.06 Lb-Ft ²			
Ref Wdg	T634188 DR			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	028525-550			
Conn. Diag	005010.15			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

