

PRODUCT INFORMATION PACKET



Model No: 114152.00
Catalog No: 114152.00
Brake Motor, 0.50 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 56C Frame, TEFC

Operational at 208-230/460 V @60HZ



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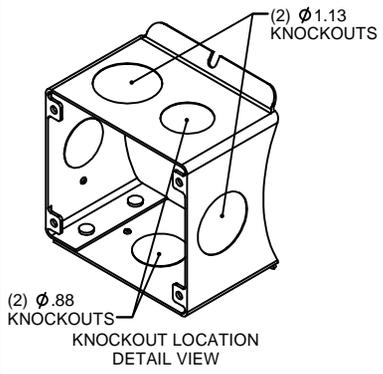
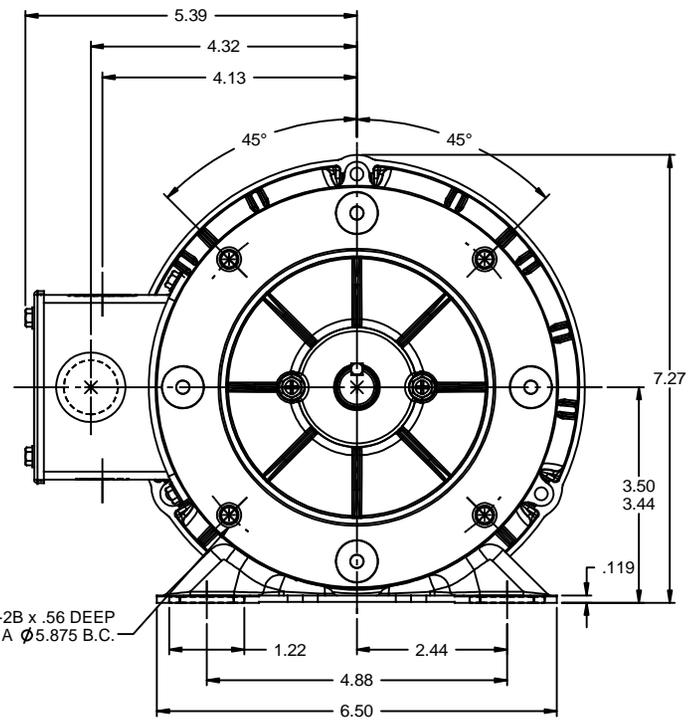
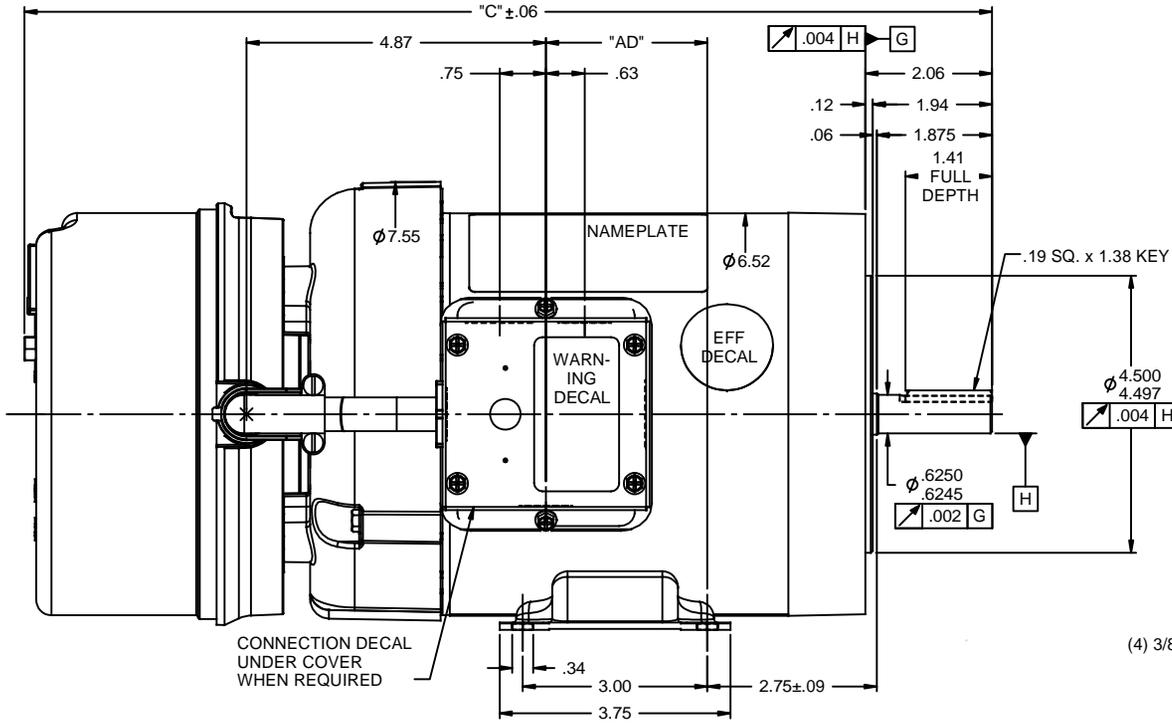
Nameplate Specifications

Phase	3	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	230/460 V
Speed	1140 rpm	Service Factor	1.15
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	70 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	2.4/1.2 A	Power Factor	56
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	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	11.25 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	15.81 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	028821-550

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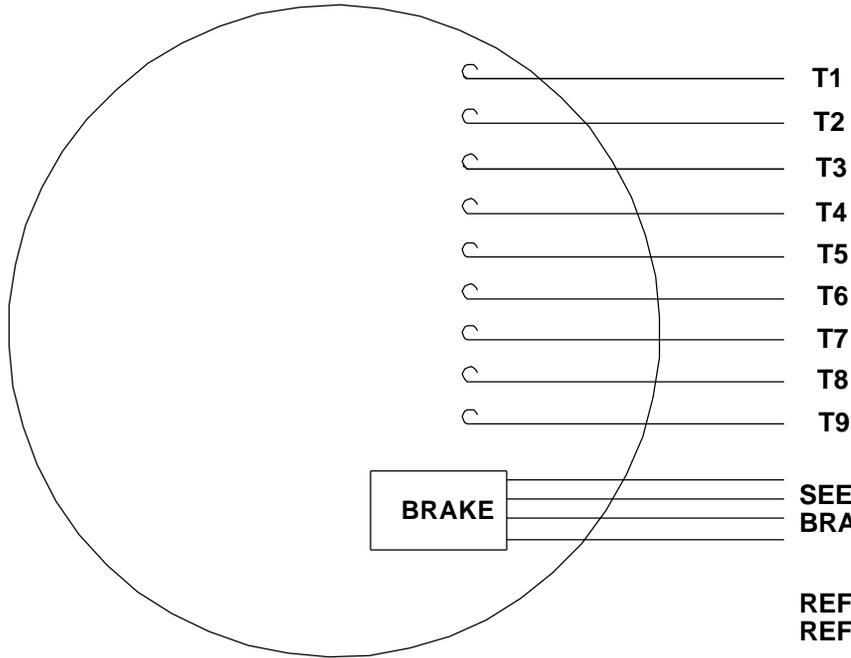


DASH NO.	"C"	"AD"
500	15.31	2.13
550	15.81	2.63
600	16.31	3.13
650	16.81	3.63
700	17.31	4.13

NOTE:
 1) GASKETS THROUGHOUT

			TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	JJK 03/27/08
			DEC	INCHES			CHK	
			X	±.1	APP			
			.XX	±.03	TITLE	OUTLINE - 56 FRAME	SCALE	1:2
			.XXX	±.005		TEFC - RIGID C - BRAKEMOTOR	REF	028535
01	ADDED ITEM #500 (114155.00)	GRB 12/19/2008	DJ	.XXX	MATL		FMF	110679.00
NO	REVISION	BY & DATE	CHK	ANG	FINISH		PAGE	OF
			RFP		PREV		SIZE	DRAWING NO
	THIRD ANGLE PROJECTION				NETWORK FILE NAME		B	028821
							REV	01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

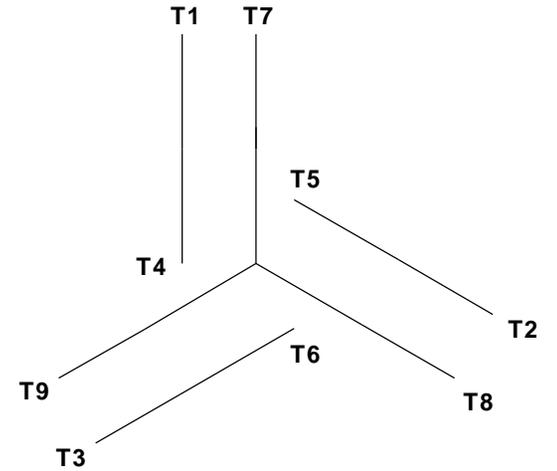


CAUTION:
LEAD WIRE INSULATION TO EXTEND
MINIMUM OF 1/4" INTO CONNECTOR
INSULATION

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

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN JJK 09/17/96	
				DEC	INCHES		CHK	
				.X	±.1	APPR		
				.XX	±.01	TITLE	SCALE 1:1	
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11	.XXX	±.005	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	--

P.O. BOX 8003
 WAUSAU, WI 54401-8003
 PH. 715-675-3311



DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.15
 OUTLINE: 028821-550
 WINDING: T63641

CAT #: 114152.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
0.5	0.37	1200	1160	56C	TEFC	NA	K	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	208-230/460	2.35/1.2	ACROSS THE LINE	CONT	B	1.15	40	3300

F.L. EFF	70.0	3/4 LD EFF	60.0	1/2 LD EFF	60.8	GTD EFF	ELECT. TYPE
F.L. PF	56.1	3/4 LD PF	47.5	1/2 LD PF	37.7	0.0	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
572 LB-FT	5.0	1,272 LB-FT 222%	1,813 LB-FT 317%	82

PRESSURE @ 3	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
60 dBA	69 dBA	0.07 LB-FT ²	0.1 LB-FT ²	10 SEC.	0	0 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	RIGID	HORIZONTAL	NO	NONE	NO	NONE	JE - LEESON (ENAM)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
BALL	BALL						
6203	6203						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.080	ODE

* N O T E S *	INVERTER TORQUE: NONE					
	INV. HP SPEED RANGE: NONE					
	ENCODER: NONE					
	NONE					
	NONE					

DATE: 1/24/2018	BRAKE: STEARNS 56,000 NEMA 2 FT-LB: 6 VOLTAGE: 208-230/460-190/380 HZ: UL: Y-(LEESON UL REC)
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Data Sheet

Date: 1/24/2018

114152.00



Data @ 460 V

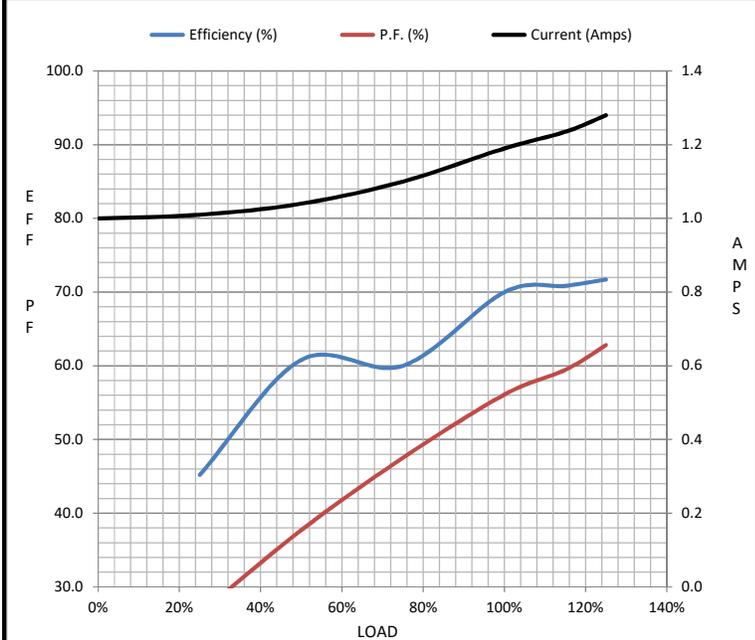
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.00	1.01	1.04	1.10	1.19	1.24	1.28	5.0
Torque (ft-lb)	0.00	143	286	382	572	10,242	716	1,272
RPM	1200	1192	1182	1171	1160	1,155	1148	0
Efficiency (%)		45.2	60.8	60.0	70.0	70.9	71.7	
P.F. (%)	13.2	26.4	37.7	47.5	56.1	59.5	62.8	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1104	1160	1200
Current (Amps)	5.0	4.6	3.0	1.19	1.00
Torque (ft-lb)	1,272	1,209	1,813	572	0.00

Information Block				
HP	0.5			
Sync. RPM	1200			
Frame	140			
Enclosure	TEFC			
Construction	NA			
Voltage	208-230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.0			
Temp Rise @ FL	82 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.07 Lb-Ft ²			
Ref Wdg	T63641 FR			
Sound Pressure @ 1M	60 dBA			
VFD Rating	NONE			
Outline Dwg	028821-550			
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

