

PRODUCT INFORMATION PACKET



Model No: 120728.00
Catalog No: 120728.00
Other Purpose Motor, 3 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, 145Y Frame, TEFC



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Nameplate Specifications

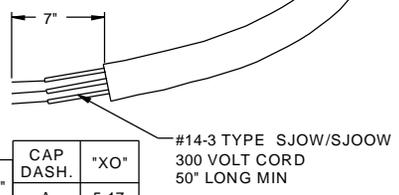
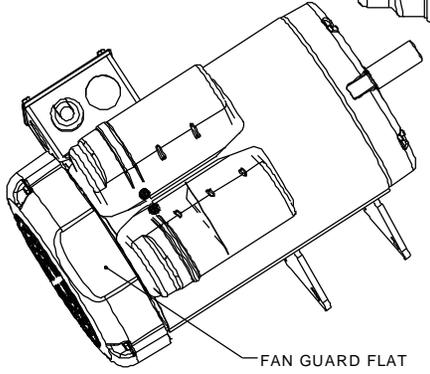
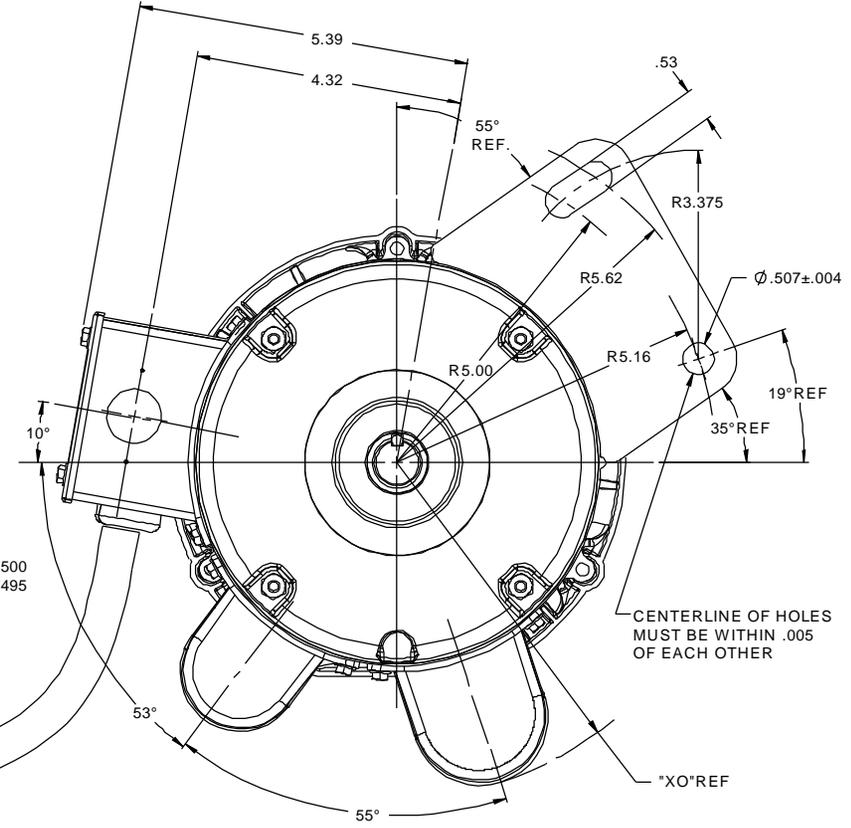
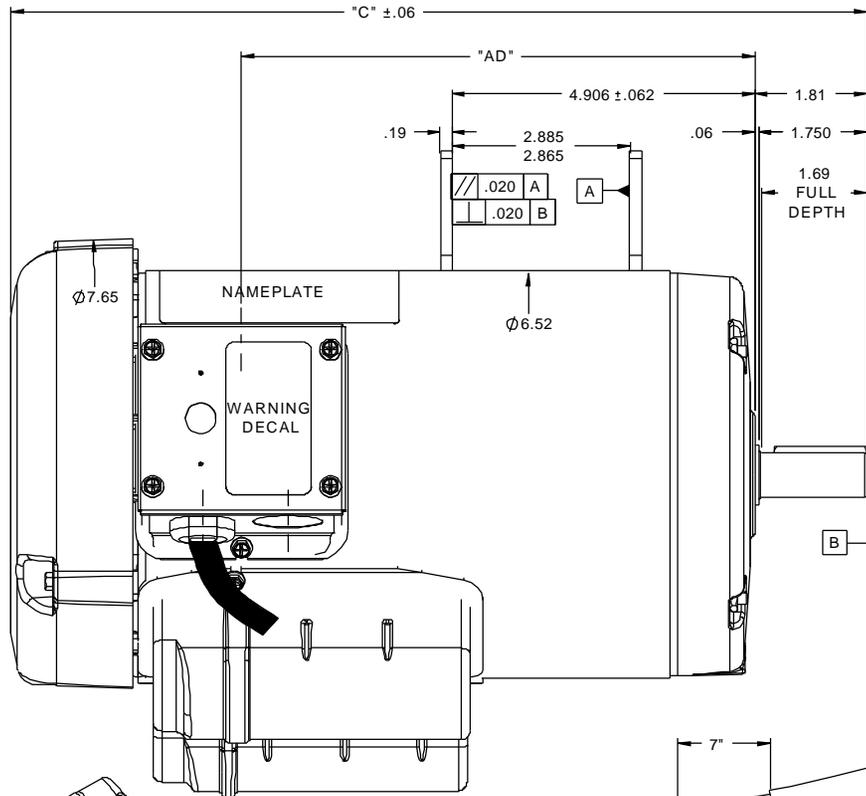
Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230 V
Current	13.0 A	Speed	3450 rpm
Service Factor	1	Phase	1
Efficiency	81.5 %	Power Factor	91
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	J
Frame	145Y	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Fixed Counterclockwise
Resistance Main	.52 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	12.86 in
Frame Length	8.50 in	Shaft Diameter	0.750 in
Shaft Extension	1.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028937-850C	Connection Drawing	005018.12

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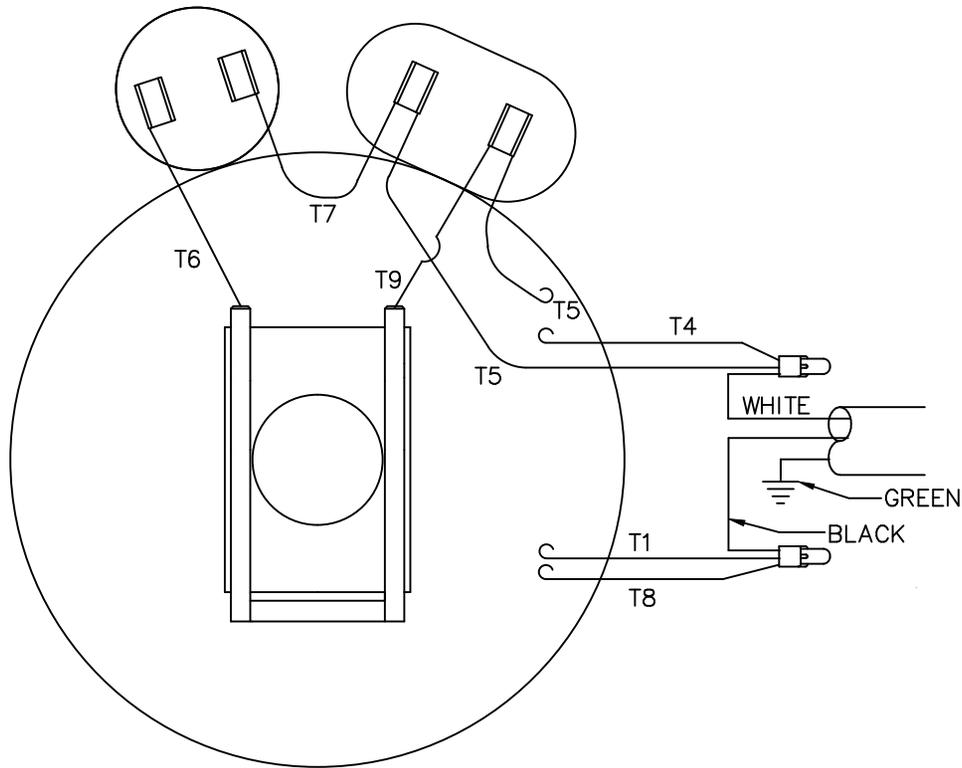
DASH NO.	"C"	"AD"	CAP DASH.	"XO"
800	12.36	6.74	A	5.17
850	12.86	7.24	B	5.55
			C	5.81

NOTES:
GASKETS THROUGHOUT

TOLERANCES UNLESS SPECIFIED		DEC INCHES		TITLE	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN DJ 12/22/08
	X	±.1		OUTLINE - 140Y FRAME TEFC - SPECIAL MOUNT	LEESON	APPR VS 12/22/08
	XX	±.03				SCALE 1:2
	XXX	±.005				REF 028587
01	DIMENSIONED BASE HOLE ECR 0041996	GS	8/26/13	XXXX ±.0005	MAT'L CONTRACTOR'S SAW	FMF 120728.00
NO	REVISION	BY & DATE	CHK	ANG ±.730"	FINISH	PAGE 1 OF 1
			RFP	12/08/08	PREV	REV
			NETWORK FILE NAME 028937		SIZE B	DRAWING NO 028937

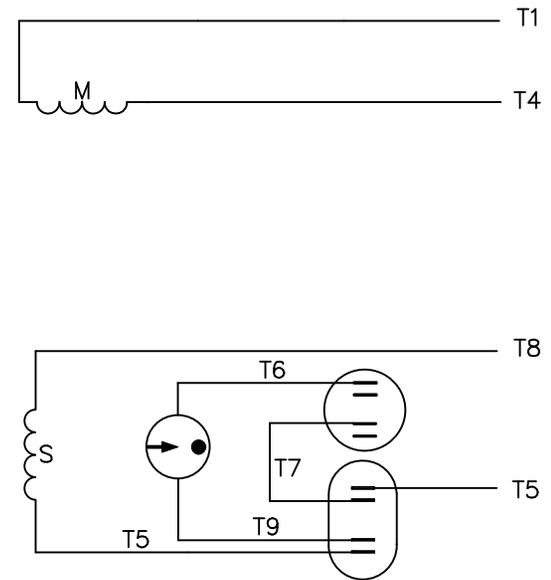


VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



C.C.W. L.E. ROTATION SHOWN ABOVE

LINE LEADS



ROTATION FACING LEAD END	L1 (BLACK)	L2 (WHITE)
C.C.W.	T1, T8	T4, T5
C.W.	T1, T5	T4, T8

				TOLERANCES UNLESS OTHERWISE SPECIFIED		LEESON ELECTRIC CORPORATION		
				DECIMALS				
				.00	± .01	DRAWN PG 06/01/83	TITLE	
				.000	± .005	CH'K'D. DLL 06/06/83	EXT. WIRING DIAGRAM TYPE "K" W/O PROTECTOR	
2	UPDATED TO CURRENT STANDARDS	DBT	06/16/97	.0000	± .0005	APPR. JCW 06/06/83	MAT'L. DECAL - 004018	
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64	SCALE 1=1	BRF	
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				ANGLES	± 1/2°	REF.	FINISH	
				INCH/MM		FMF 145K34FB6	SIZE A	DRAWING NO. 005018-12



CERTIFICATION DATA SHEET

**1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810**

CONN. DIAGRAM: 005018.12

CATALOG #: 120728.00

OUTLINE: 028937-850C

MOUNTING: F1 ONLY

WINDING #: K632129 FR 2 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	3600	3450	145Y	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	13	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	81.5	3/4 LOAD EFF:	81.3	1/2 LOAD EFF:	77.3	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	91	3/4 LOAD PF:	88.2	1/2 LOAD PF:	81	78.5	CAP START CAP RUN		

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
4.5 LB-FT	-	- LB-FT - %	- LB-FT - %	80

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.1 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	SGL SPL EXT	SPECIAL	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

*
N
O
T
E
S

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
FT-LB NONE V NONE Hz

