

PRODUCT INFORMATION PACKET



Model No: 120728.00
Catalog No: 120728.00
3 HP Definite Purpose AC Motor, 1 phase, 3600 RPM, 230 V, 145Y Frame, TEFC
Other Purpose Motors



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The Regal logo is located in the bottom right corner. It features the word "REGAL" in a white, sans-serif font, set within a dark grey, trapezoidal shape. The background of the page features a vertical blue gradient with a halftone dot pattern on the right side.



Nameplate Specifications

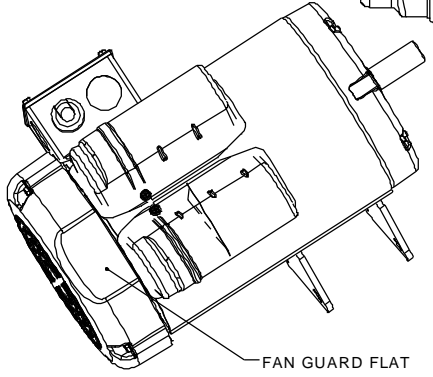
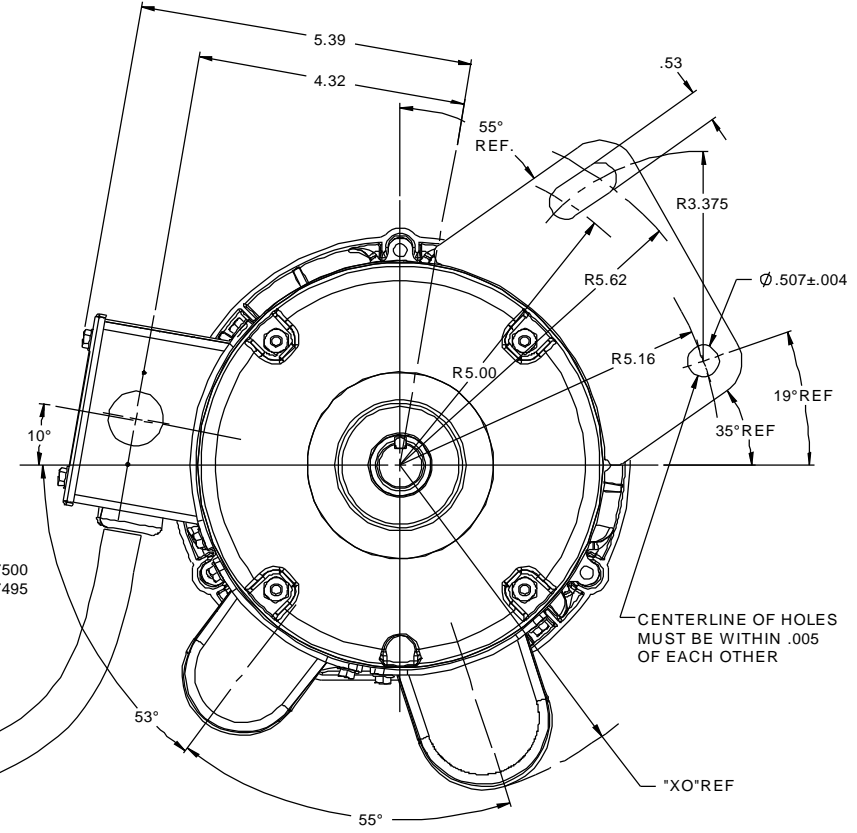
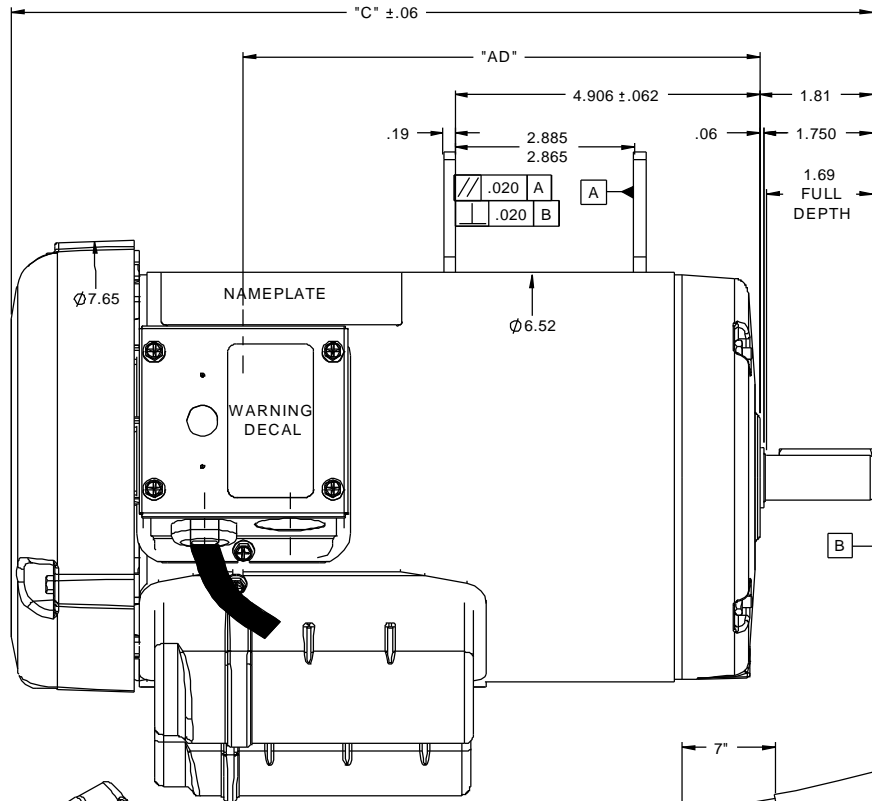
Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230 V
Current	13.0 A	Speed	3450 rpm
Service Factor	1	Phase	1
Efficiency	81.5 %	Power Factor	91
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	J
Frame	145Y	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature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

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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#14-3 TYPE SJOW/SJOOW
 300 VOLT CORD
 50" LONG MIN

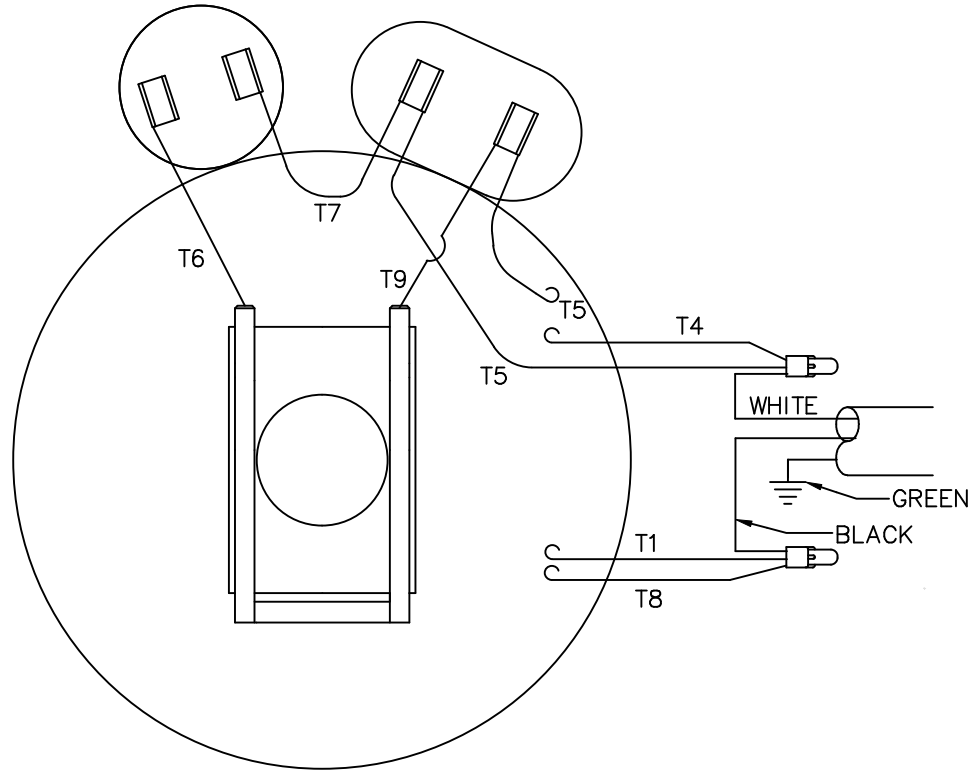
DASH NO.	"C"	"AD"	CAP DASH.	"XO"
800	12.36	6.74	A	5.17
850	12.86	7.24	B	5.55
			C	5.81

NOTES:
 GASKETS THROUGHOUT

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

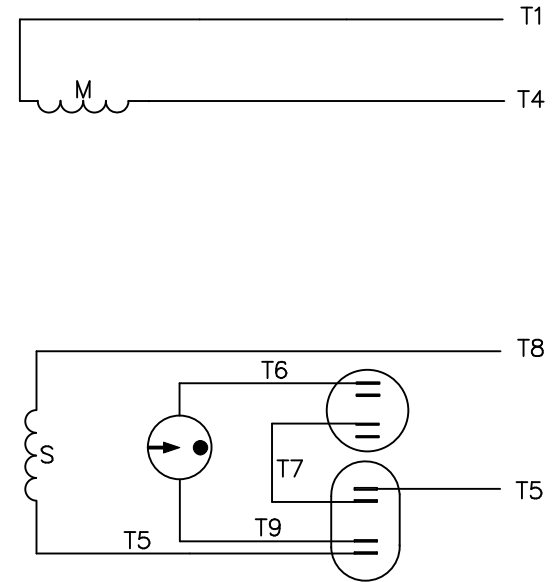


VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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	PAINIT
STANDARD	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (ENAMEL)
BEARINGS DE ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL		
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	FALSE	NONE
NONE	NOT	NONE	NONE			

* INVERTER TORQUE: NONE
 INV. HP SPEED RANGE: NONE

N ENCODER: NONE
 NONE NONE
 NONE NONE PPR

O BRAKE: NONE NONE
 NONE P/N NONE
 NONE NONE

T FT-LB NONE V NONE HZ
 S

*

PREPARED BY: Madhava Venuturla
DATE: 02/21/2019 12:12:54 AM
FORM 3531 REV.3 02/07/99
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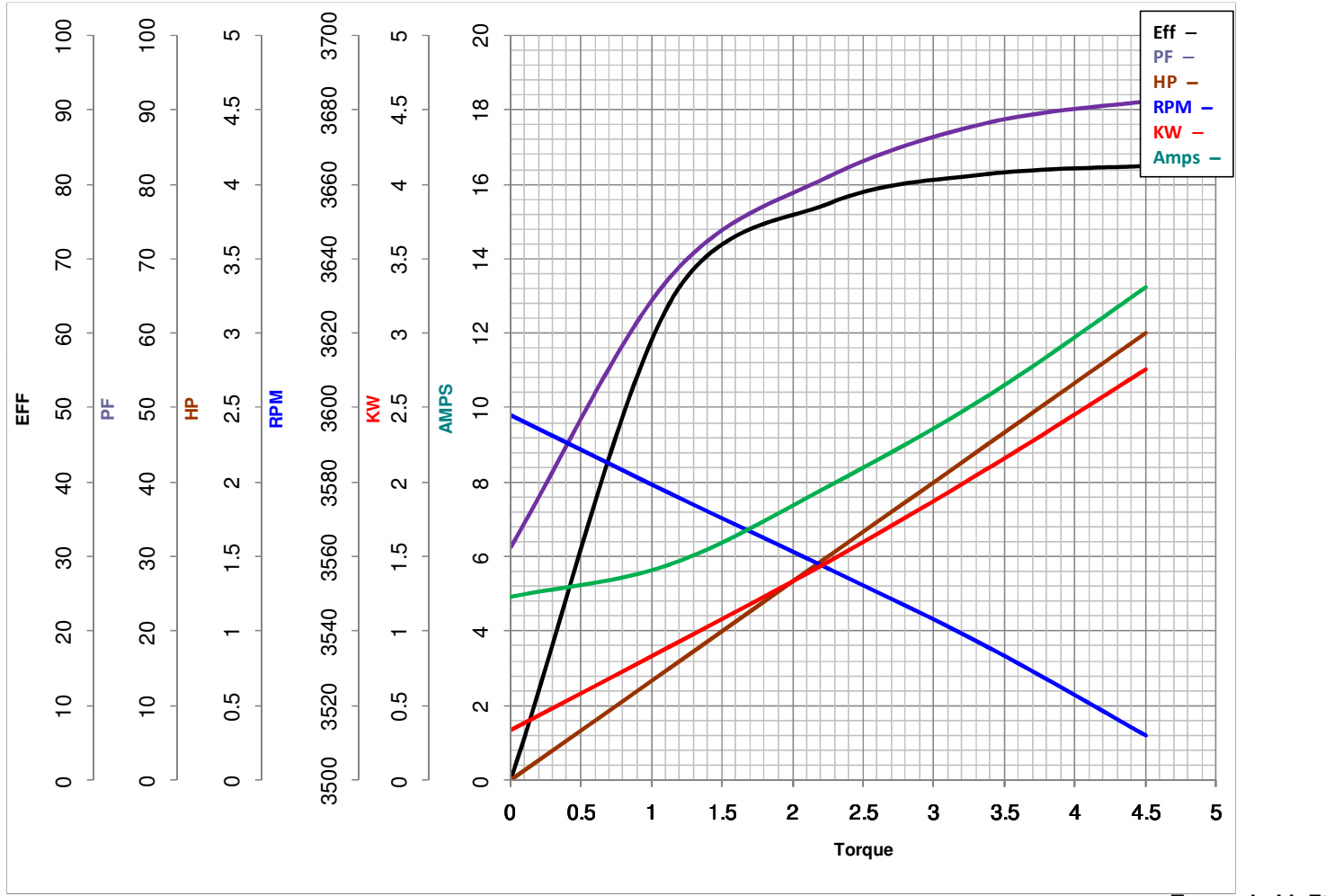


LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 120728.00

Catalog No 120728.00

Curve at 230 Volts HP 3.00 PHASE 1
60 HZ
3 HP VOLTS 230
HZ 60 RPM 3450



FL TORQUE	<u>4.5</u>	Lb.Ft	FL AMPS	<u>13</u>	
BD TORQUE	<u>13.5</u>	Lb.Ft	PU TORQUE	<u>12.0</u>	Lb.Ft
LR TORQUE	<u>12.5</u>	Lb.Ft	LR AMPS	<u>100</u>	
WINDING	K632129-2		Date	4/23/2018	