PRODUCT INFORMATION PACKET



Model No: C145C34FK2H Catalog No: 121008.00

2HP..3450RPM.145.TEFC.115/208-230V.1PH.60HZ.CONT.NOT.40C.1.0SF.RIGID C.GENERAL

PURPOSE.C145C34FK2H

Totally Enclosed Fan Cooled (TEFC)



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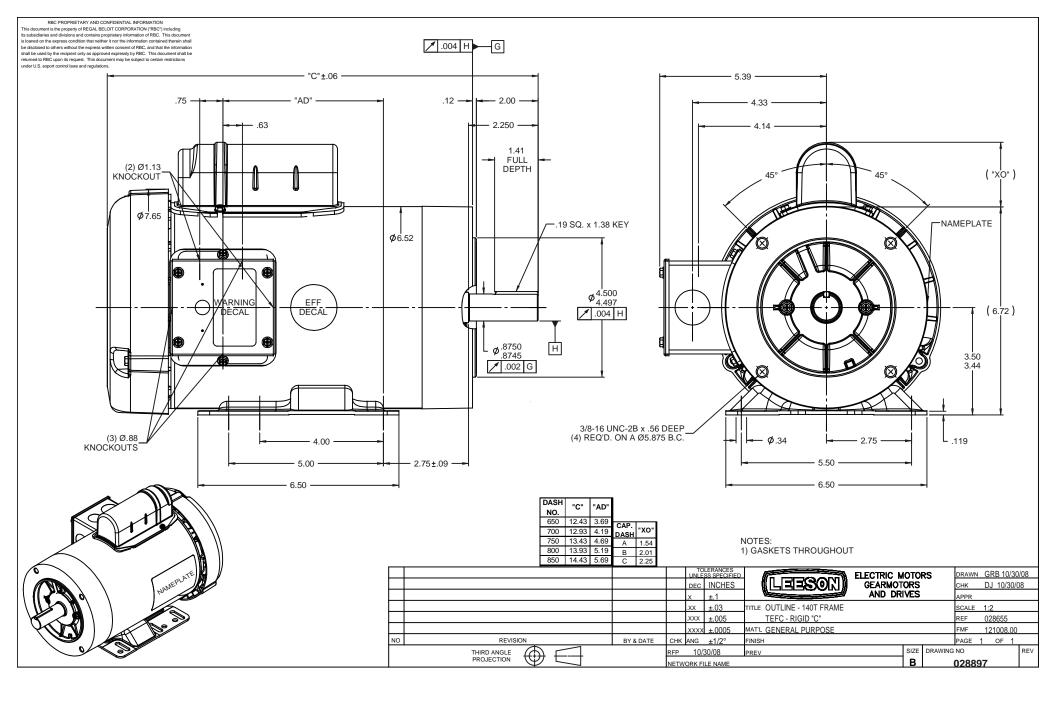
Nameplate Specifications

Output HP 2 Hp Output KW 1.5 kW Frequency 60 Hz Voltage 115/208-230 V Current 20.0/11.4-10.0 A Speed 3450 rpm Service Factor 1 Phase 1 Efficiency 73 % Duty Continuous Insulation Class F Design Code L KVA Code J Frame 145TC Enclosure Totally Enclosed Fan Cooled Overload Protector 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 CE N				
Current20.0/11.4-10.0 ASpeed3450 rpmService Factor1Phase1Efficiency73 %DutyContinuousInsulation ClassFDesign CodeLKVA CodeJFrame145TCEnclosureTotally Enclosed Fan CooledOverload ProtectorNoAmbient Temperature40 °CDrive End Bearing Size6205Opp Drive End Bearing Size6203ULRecognizedCSAYCEN	Output HP	2 Hp	Output KW	1.5 kW
Service Factor 1 1 Phase 1 1 Efficiency 73 % Duty Continuous Insulation Class F Design Code L KVA Code J Totally Enclosed Fan Cooled Overload Protector No Ambient Temperature 40 °C Drive End Bearing Size 6205 CSA Y OER DESIGN OCE NO Continuous Continu	Frequency	60 Hz	Voltage	115/208-230 V
Efficiency73 %DutyContinuousInsulation ClassFDesign CodeLKVA CodeJFrame145TCEnclosureTotally Enclosed Fan CooledOverload ProtectorNoAmbient Temperature40 °CDrive End Bearing Size6205Opp Drive End Bearing Size6203ULRecognizedCSAYCEN	Current	20.0/11.4-10.0 A	Speed	3450 rpm
Insulation ClassFDesign CodeLKVA CodeJFrame145TCEnclosureTotally Enclosed Fan CooledOverload ProtectorNoAmbient Temperature40 °CDrive End Bearing Size6205Opp Drive End Bearing Size6203ULRecognizedCSAYCEN	Service Factor	1	Phase	1
KVA CodeJFrame145TCEnclosureTotally Enclosed Fan CooledOverload ProtectorNoAmbient Temperature40 °CDrive End Bearing Size6205Opp Drive End Bearing Size6203ULRecognizedCSAYCEN	Efficiency	73 %	Duty	Continuous
EnclosureTotally Enclosed Fan CooledOverload ProtectorNoAmbient Temperature40 °CDrive End Bearing Size6205Opp Drive End Bearing Size6203ULRecognizedCSAYCEN	Insulation Class	F	Design Code	L
Ambient Temperature 40 °C Drive End Bearing Size 6205 Opp Drive End Bearing Size CSA UL Recognized CE N M CE N	KVA Code	J	Frame	145TC
Opp Drive End Bearing Size 6203 UL Recognized CSA Y CE N	Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
CSA Y CE N	Ambient Temperature	40 °C	Drive End Bearing Size	6205
	Opp Drive End Bearing Size	6203	UL	Recognized
IP Code 43	CSA	Υ	CE	N
	IP Code	43		

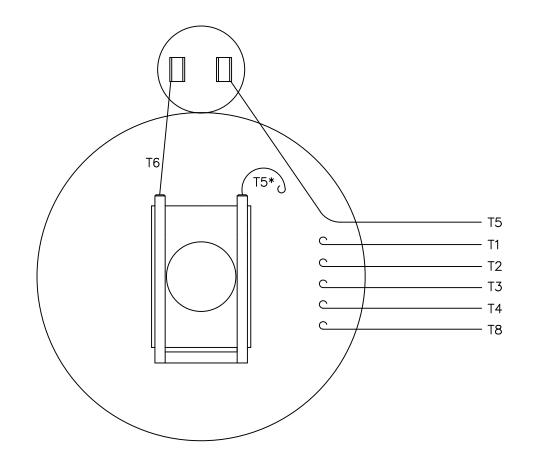
Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	Т
Overall Length	13.93 in	Frame Length	8.00 in
Shaft Diameter	0.875 in	Shaft Extension	2.25 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	028897-800B	Connection Diagram	005062.01

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_ T1 - T8

LINE LEADS

	ROTATION FACING LEAD END	L1	L2	JOIN
HIGH	C.C.W.	W. T1 T4 T8	T2,T3 T8	
VOLT	C.W.	T1		T2,T3 T5
LOW	C.C.W.	T1,T3 T8	T2,T4 T5	
VOLT	C.W.	T1,T3 T5	T1 T4 T2,T3 T5 T8 T1 T4 T2,T3 T6 T8 T5 T7 T8 T5 T7 T8 T5 T7 T7 T8 T7 T7 T7 T8 T7	

* THIS LEAD MAY BE WHITE

					UNLES	ERANCES S SPECIFIEI			LECTRIC	MOI	ΓORS	DRAWN	JRW 12/0	5/74
					DEC.	INCHES		1 = -X-)	GEARM(снк		
					.x	±.1			AND D	RIVE	S	APPD	T.E.M.	
12	ALTERNATE T5 LEAD MARKING WAS RED	RLW	8/6/0	2	.xx	±.01	TITLE	EXT. WIRING				SCALE	1=1	
11	ADDED ALTERNATE T5 LEAD MARKING	RLW	5/31/0	2 KH	.xxx	±.005		TYPE "C" W/O	PROTEC	CTOR		REF	A-00506	i 1
10	UPDATED TO CURRENT STANDARDS	DBT	06/09/9	7	.xxxx	±.0005	MAT'L.	DECAL -	004012			FMF		
NO.	NO. REVISION BY & DATE		снк	ANG	±1/2°	FINISH					PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT			RFP			CAD FILE	00506201		SIZE	DRAWING NO			REV.	
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7.8

7.5

C632213-3

Lb.Ft

Lb.Ft

BD TORQUE

LR TORQUE

WINDING

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Curve at 230 Volts

60 HZ 2 HP

VOLTS <u>115/208-230</u>

HP 2.00

PHASE 1

RPM 3450

Catalog No 121008.00

HZ 60

3680 100 100 20 Eff -2 2 PF -HP -4.5 90 8 RPM -90 **KW** -Amps -80 80 4 3.5 70 4 70 7 9 9 က က 3580 AMPS RPM 2.5 2.5 10 50 50 出 유 3560 4 40 α α ∞ 3540 5. 30 30 9 3520 20 20 _ 4 3500 0.5 10 10 α 3480 0 0 0 0 0.5 1.5 2 2.5 3 3.5 Torque Torque in Lb.Ft 20/11.4-10 **FL TORQUE** Lb.Ft **FL AMPS** 3

PU TORQUE

LR AMPS

7.0

64.4

Date

Lb.Ft

4/23/2018