

PRODUCT INFORMATION PACKET



Model No: C145T17FB87A

Catalog No: 121934.00

..2HP..1745RPM.145T.TEFC.230/460V.3PH.60/50HZ.CONT.40C.1.25SF.RIGID.C145T17FB87A.....

Feather Picker



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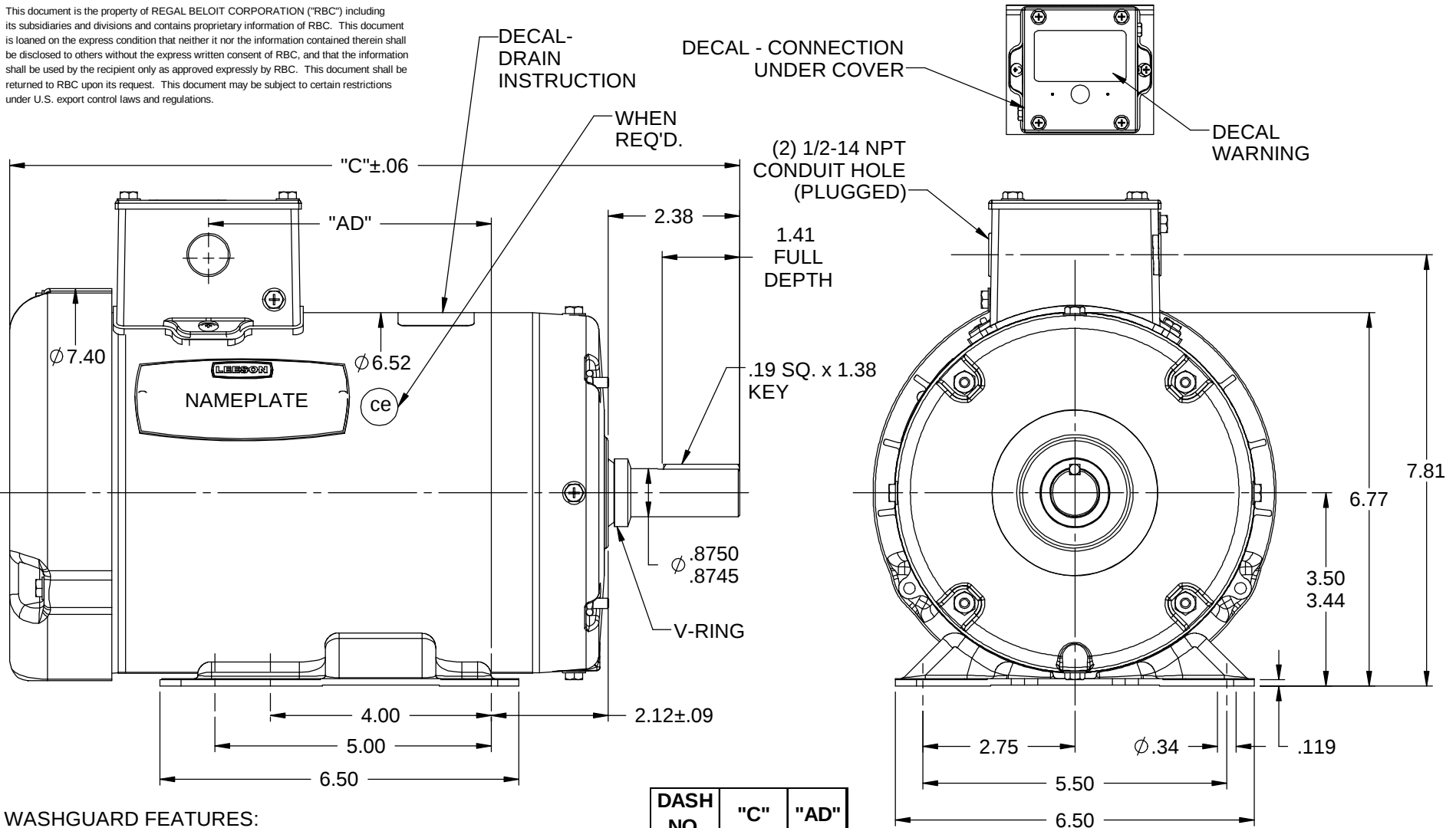
Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	5.8/2.9 A	Speed	1745 rpm
Service Factor	1.25	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	L	Frame	145
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	Y
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
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	13.72 in	Frame Length	8.00 in
Shaft Diameter	0.875 in	Shaft Extension	2.25 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	028810-800	Connection Diagram	005010.01

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WASHGUARD FEATURES:
1) SHAFT SEALS & V-RING
2) PLUGGED DRAIN HOLES IN ENDBELLS & CONDUIT BOX
3) STAINLESS STEEL SHAFT, HARDWARE, & NAMEPLATE
4) GASKETS THROUGHOUT

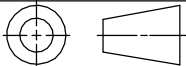
DASH NO.	"C"	"AD"
700	12.72	4.62
750	13.22	5.12
800	13.72	5.62

				TOLERANCES UNLESS SPECIFIED			ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN MBR 12/19/07		
			DEC	INCHES					CHK		
			.X	±.1					APPR		
			.XX	±.03		TITLE OUTLINE - 140T FRAME TEFC - RIGID		SCALE	3:8		
02	ADDED WARNING DECAL PER ISAAC:09-0365	VS 3/13/09	.XXX	±.005				REF	OLG121191		
01	ADDED NAMEPLATE NOTE AS PER ISAAC #08-4183	GRB9/18/2008	VS	.XXXX	±.0005		MAT'L FEATHER PICKER		FMF	G121191	
NO	REVISION	BY & DATE	CHK	ANG	±1/2°		FINISH		PAGE	OF	
			RFP		PREV			SIZE	DRAWING NO		REV
			NETWORK FILE NAME						A	028810	02

THIRD ANGLE
PROJECTION

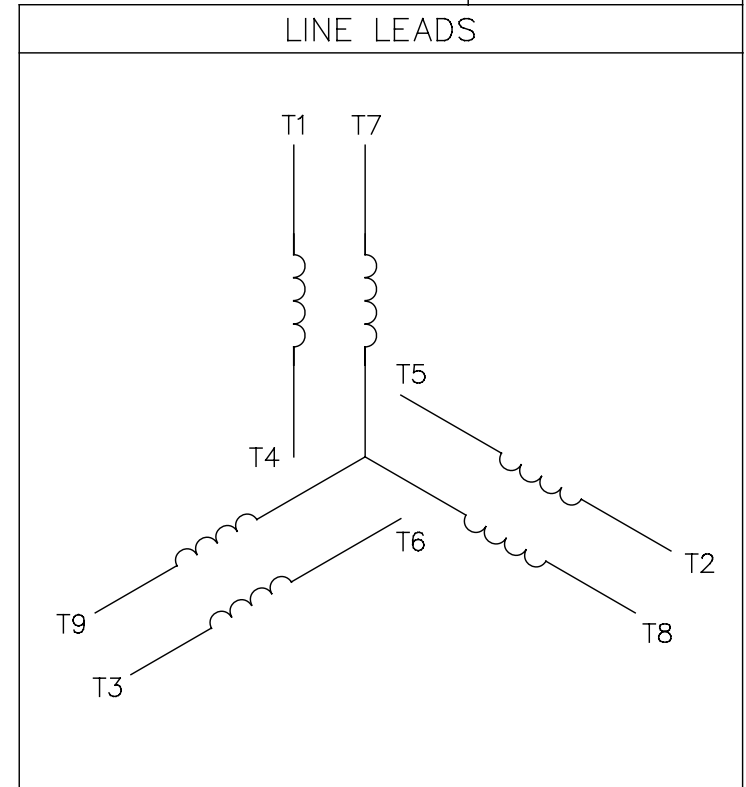


THIRD ANGLE
PROJECTION



005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.			DRAWN RDW 04/12/02		
				DEC.	INCHES				CHK		
				.X	±.1				APPD		
				.XX	±.01				SCALE 1=1		
				.XXX	±.005	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR			REF FIG.2-51		
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY	.XXXX	±.0005				MAT'L DECAL - 004014		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH			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 04/12/02		CAD FILE 00501001		SIZE A	DRAWING NO. 005010-01		REV. A
				DIST BRF-NLV							



Data@ 460 V

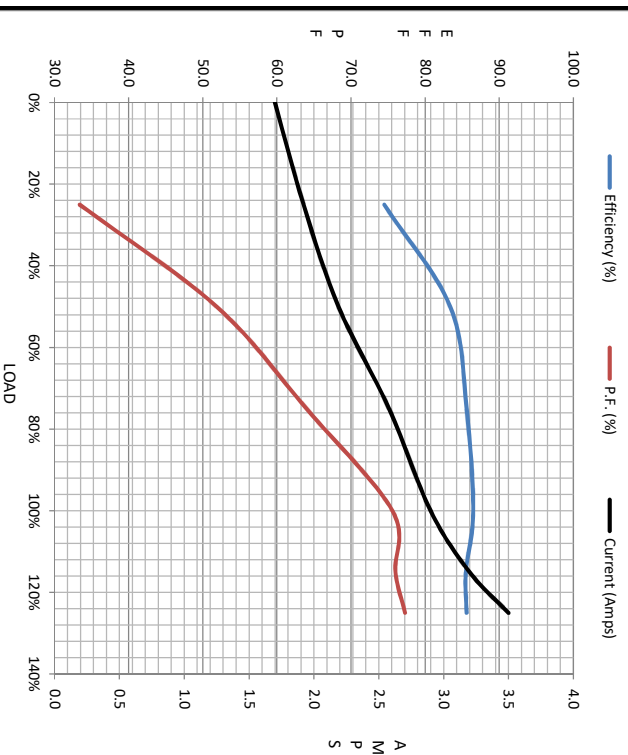
Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (amps)	1.70	1.92	2.19	2.58	2.90	3.2	3.5	26.5	
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.5	7.5	18.8	
RPM	1800	1787	1774	1763	1751	1,730	1732	0	
Efficiency (%)		74.5	83.4	85.6	86.5	86.5	85.6		
P.F. (%)	7.1	33.4	51.9	64.0	75.6	76.0	77.3	42.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block	
Speed (RPM)	0	775	1085	1751	1800	HP	2.0
Current (amps)	26.5	24.4	14.2	2.90			
Torque (ft-lb)	18.8	15.0	24.6	6.0	0.00	Sync. RPM	1800

Information Block

HP	2.0				
Sync. RPM	1800				
Frame	140				
Enclosure	TEFC				
Construction	TFR				
Voltage	230/460#190/380			V	
Frequency	60			Hz	
Design	A				
LR Code letter	L				
Service Factor	1.15				
Temp Rise @ FL	53			°C	
Duty	CONT				
Ambient	40			°C	
Elevation	1,000			feet	
Rotor/Shaft wk²	0.16			Lb-Ft²	
Ref Wdg	TS34340 FR				
Sound Pressure @ 1M	65			dBA	
VFD Rating	NONE				
Outline Dwg	028610-800				
Conn. Diag	005010.01				
Additional Specifications:					
0					
0					
EQUIV CKT (OHMS / PHASE)					
R1	R2	X1	X2	Xm	
0.0000		0.0000	0.0000	0.0000	



Speed -Torque Curve

