

PRODUCT INFORMATION PACKET



Model No: C184T11FB25AA

Catalog No: 132247.00

..2HP..1170RPM.112M.TEFC.208-230/460V.3PH.60HZ.CONT.40C.1.5SF.RIGID.C184T11FB25A.....

Feather Picker



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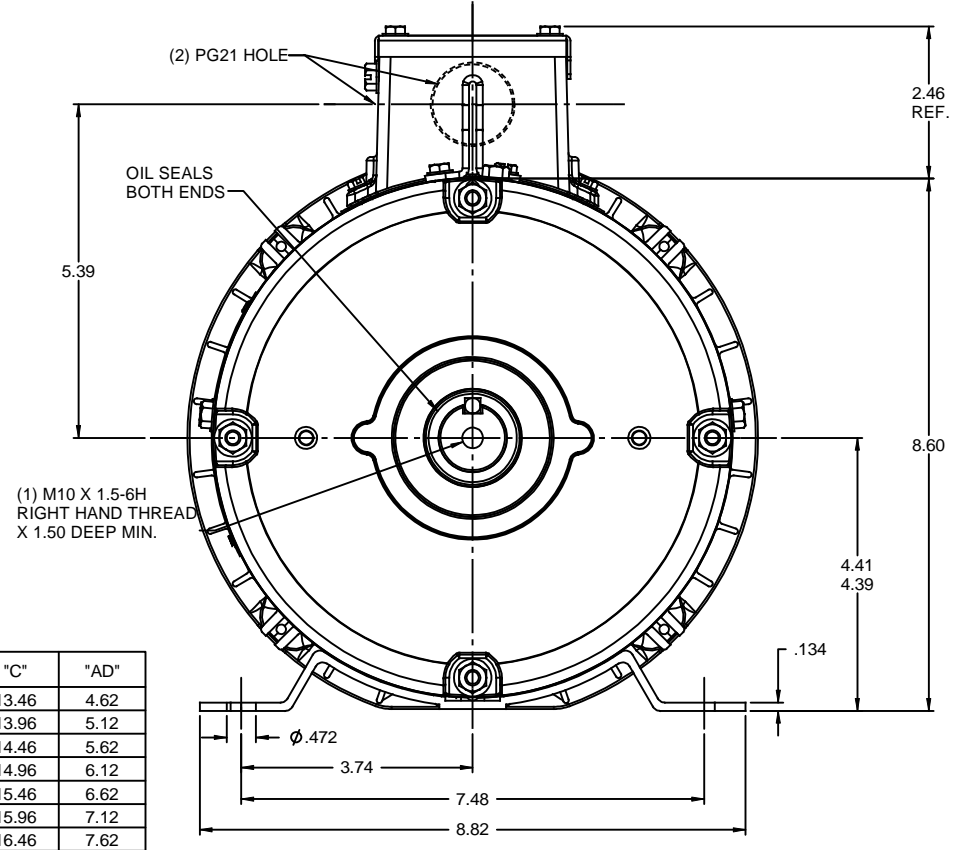
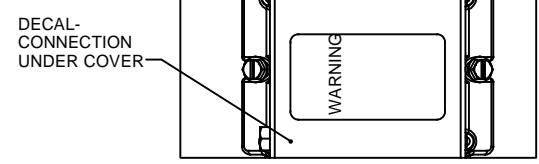
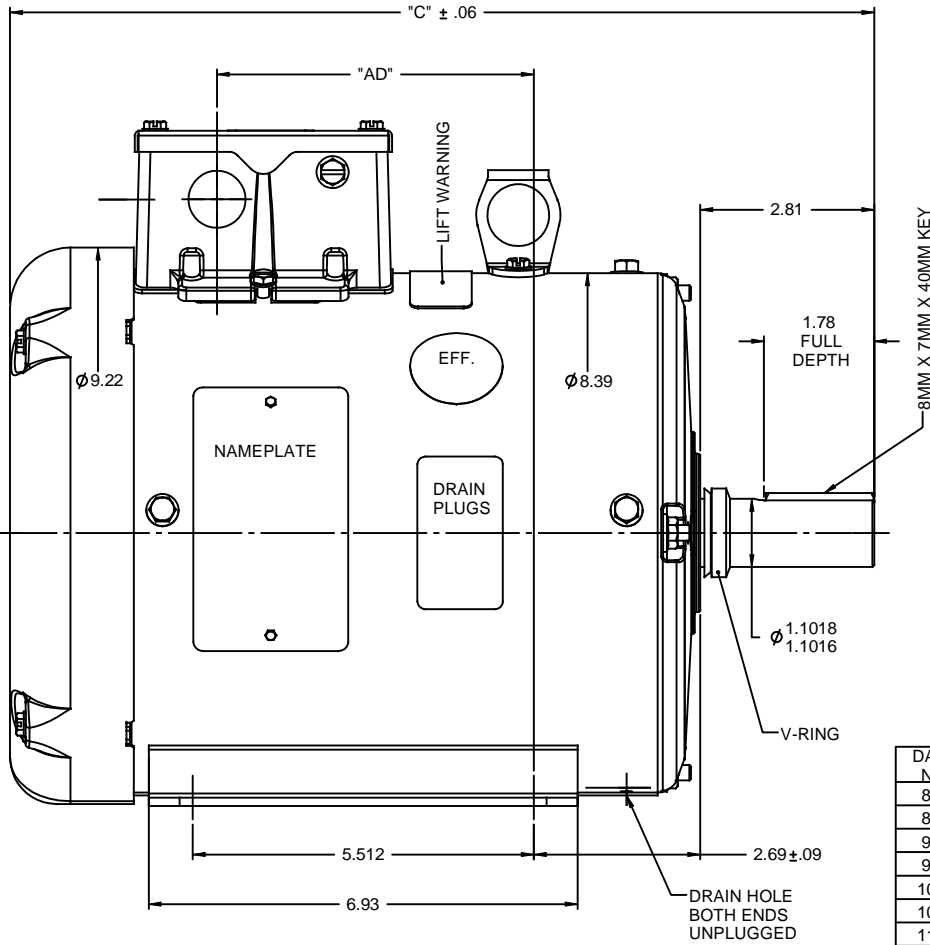
Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	6.4/3.2 A	Speed	1176 rpm
Service Factor	1.5	Phase	3
Efficiency	88.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	K	Frame	112M
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6205	UL	Recognized
CSA	Y	CE	N
IP Code	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	IEC
Overall Length	14.96 in	Frame Length	9.50 in
Shaft Diameter	1.125 in	Shaft Extension	2.81 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	035685-950	Connection Diagram	005010.01

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DASH NO.	"C"	"AD"
800	13.46	4.62
850	13.96	5.12
900	14.46	5.62
950	14.96	6.12
1000	15.46	6.62
1050	15.96	7.12
1100	16.46	7.62
1150	16.96	8.12

FEATHER PICKER MOTOR SPECIAL FEATURES
 GASKETS THROUGHOUT
 OIL SEAL BOTH ENDS & V-RING
 DRAIN HOLES IN FRAME AT 3, 9 & 12 O'CLOCK
 CONDUIT BOX STAINLESS STEEL, HARDWARE & NAMEPLATE
 PHOSPHATIZED SHAFT
 FDA APPROVED WHITE EPOXY PAINT

		TOLERANCES UNLESS SPECIFIED		DRAWN VS 6/19/06	
		DEC INCHES		CHK GWS 6/19/06	
		X ±.1		APPR	
		.XX ±.03		TITLE OUTLINE - 180TZ FRAME	
		.XXX ±.005		REF 035532	
- UPDATED & REDRAWN IN SOLIDWORKS		LST 12/1/2009		MATL FEATHER PICKER MOTOR	
NO REVISION		BY & DATE		PAGE OF	
THIRD ANGLE PROJECTION		CHK ANG ±1/2°		FINISH	
		RFP		PREV	
		NETWORK FILE NAME		SIZE DRAWING NO	
				B 035685	
				REV -	

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		REF FIG.2-51				
A	UPDATED TO REGAL LOGO			SAJ	06/26/15	AJY	.XXXX	±.0005	MAT'L.	DECAL - 004014	FMF	
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	DRAWING NO.	REV.
				DIST	BRF-NLV			A	005010-01		A	



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.01
OUTLINE: 035685-950
WINDING: T8638

CAT #: 132247.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN					
2	1.5	1200	1175	112M	TEFC	TFW	K	B					
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.				
3	60	230/460	6.4/3.2	ACROSS THE LINE	CONT	F	1.15	40	3300				
	F.L. EFF	88.5	3/4 LD EFF	88.0	1/2 LD EFF	87.1	GTD EFF		ELECT. TYPE				
	F.L. PF	66.5	3/4 LD PF	58.9	1/2 LD PF	47.2	86.5		SO CAGE IND RUN				
	F.L. TORQUE	LR AMPS @ 460 V	16.8	LB-FT	187%	30.2	LB-FT		F.L. RISE (°C)				
	9.0	LB-FT	20.5					336%	32				
	PRESSURE @ 3	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT						
	55	DBA	64	DBA	0.00	LB-FT²	0	LB-FT²	15	SEC.	2	0	LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	ITE - LEESON (EPO
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE ODE	POLYREX EM	STANDARD IEC	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL		
BALL BALL	6205	6205						

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	0.150	ODE

* N O T E S *	INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE	ENCODER: NONE NONE NONE	BRAKE: NONE NONE NONE	NONE PPR
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DATE:	2/19/2018	FT-LB:	NA	NONE	HZ:
UL:	Y-(LEESON UL REC)	VOLTAGE:	NONE	NONE	



Motor Load Data

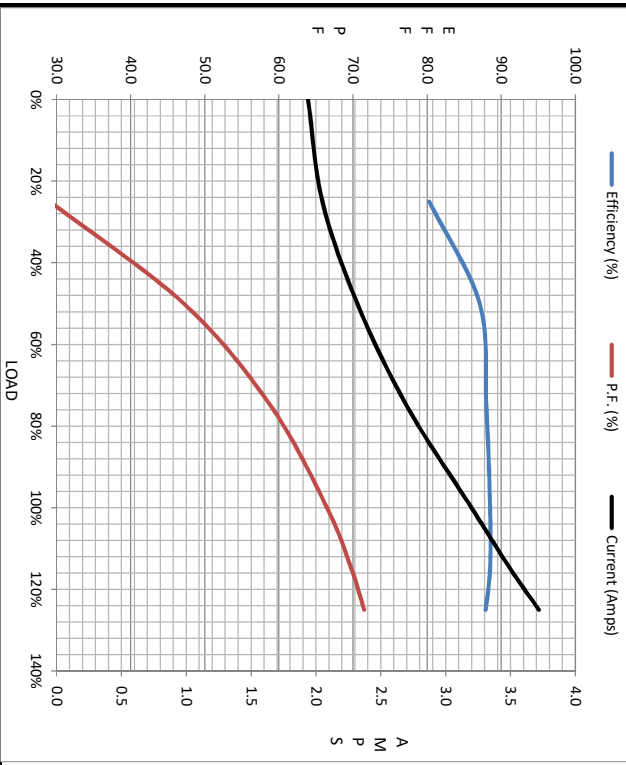
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.94	2.05	2.32	2.70	3.2	3.5	3.7	20.5
Torque (ft-lb)	0.00	2.25	4.5	6.6	9.0	10.4	11.2	16.8
RPM	1200	1194	1188	1182	1175	1171	1168	0
Efficiency (%)		80.3	87.1	88.0	88.5	88.5	87.9	
P.F. (%)	6.1	29.1	47.2	58.9	66.5	69.8	71.5	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	21	1000	1175	1200
Current (Amps)	20.5	20.1	10.1	3.2	1.94
Torque (ft-lb)	16.8	16.5	30.2	9.0	0.00

Information Block

HP	2.0			
Sync. RPM	1200			
Frame	180			
Enclosure	TEFC			
Construction	TFW			
Voltage	230/460 V			
Frequency	60 Hz			
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	32 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T8638 FR			
Sound Pressure @ 1M	55 dBA			
VFD Rating	NONE			
Outline Dwg	035685-950			
Conn. Diag	005010.01			
Additional Specifications:				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

