

PRODUCT INFORMATION PACKET



Model No: C145T34NB2E

Catalog No: 120379.00

..3HP..3450RPM.145T.TENV.208-230/460V.3PH.60HZ.AIROVER.40C.1.0SF.RIGID.C145T34NB2E.....AG -
FAN & BLOWER.NOT.....

Aeration Fan



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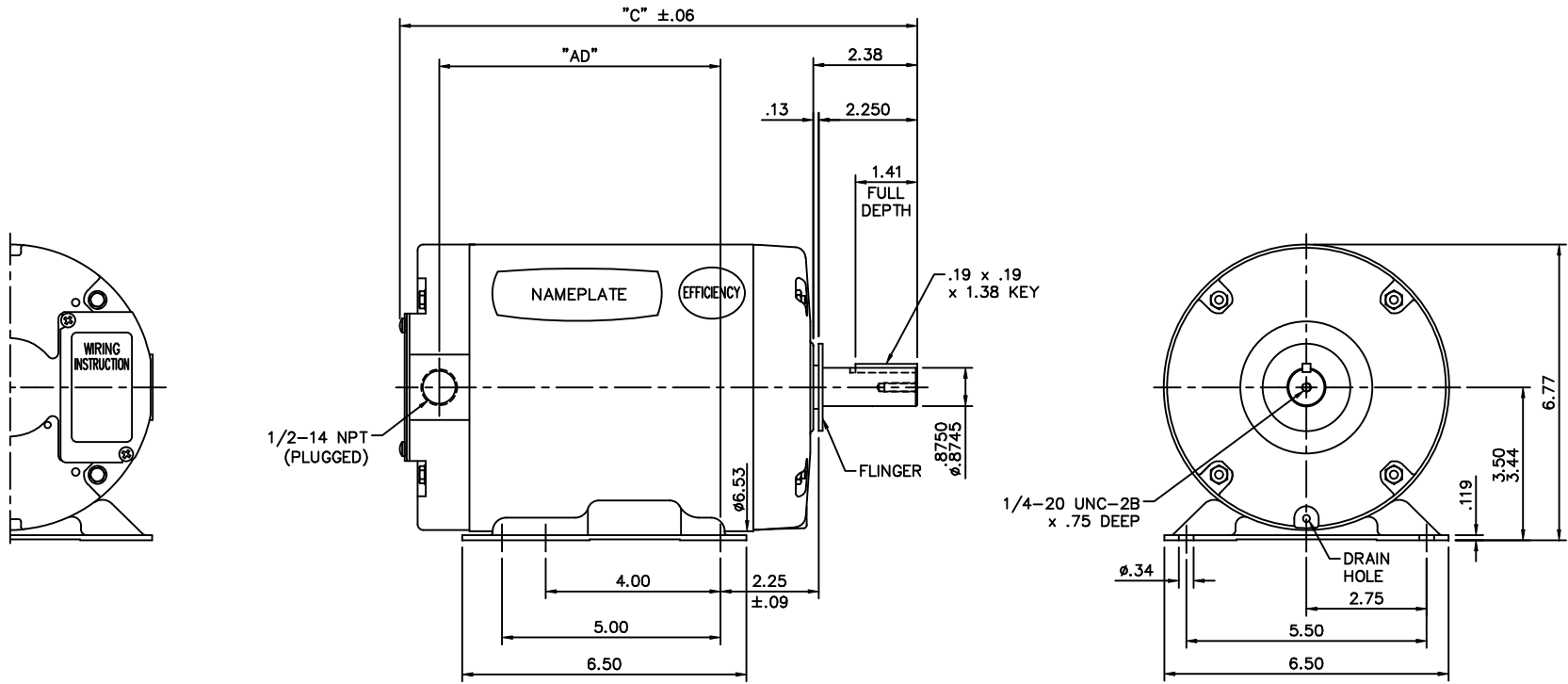


Nameplate Specifications

Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	8.4-7.6/3.8 A	Speed	3450 rpm
Service Factor	1	Phase	3
Efficiency	84 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	J	Frame	145T
Enclosure	Totally Enclosed Air Over	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		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	T
Overall Length	12.34 in	Frame Length	7.00 in
Shaft Diameter	0.875 in	Shaft Extension	2.25 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	034949-700	Connection Diagram	005010.01



GASKETS THROUGHOUT

DASH NO.	"C"	"AD"
600	11.34	5.94
650	11.84	6.44
700	12.34	6.94
750	12.84	7.44
800	13.34	7.94

NO.	REVISION	BY & DATE	TOLERANCES UNLESS SPECIFIED		FINISH	STOCK	PREV			
			DEC.	INCHES						
			.X	±.1						
			.XX	±.03	TITLE	OUTLINE - 140T FRAME	SCALE 3=8			
			.XXX	±.005		TENV - RIGID	REF 033388			
			.XXXX	±.0005	MAT'L	FAN DUTY	FMF 120377			
				±1/2"						
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	CAD FILE	034949	SIZE B	DRAWING NO. 034949	REV.
					DIST	BRF				



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

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	TITLE EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR		APPD		
		.XX	±.01			SCALE 1=1		
		.XXX	±.005			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 A	DRAWING NO. 005010-01	REV. A
			DIST BRF-NLV					



Motor Load Data

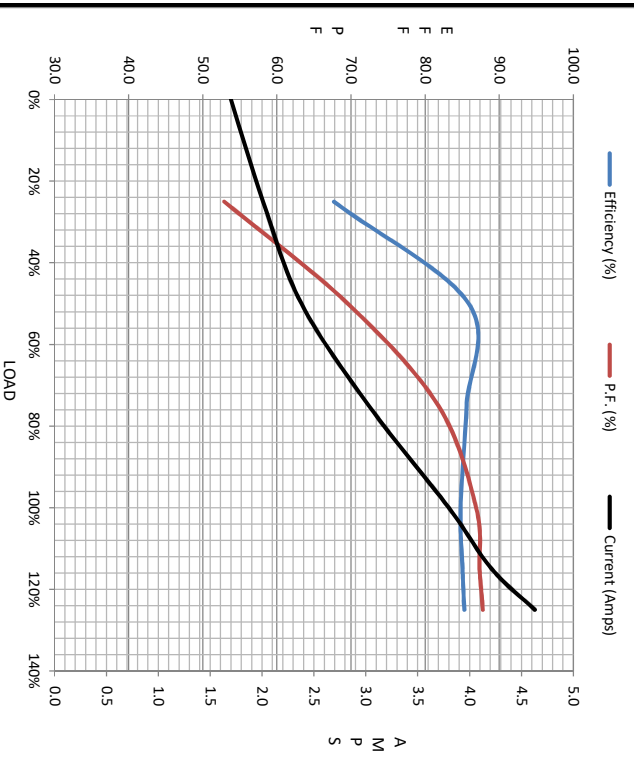
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.70	2.01	2.38	3.0	3.8	4.2	4.6	30.0
Torque (ft-lb)	0.00	1.13	2.25	3.4	4.5	5.1	5.6	13.0
RPM	3600	3569	3547	3519	3486	3472	3452	0
Efficiency (%)		67.7	85.9	85.6	84.8	85.1	85.3	
P.F. (%)	11.8	52.9	69.6	81.8	86.9	87.4	87.8	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	400	2300	3486	3600
Current (Amps)	30.0	27.6	18.0	3.8	1.70
Torque (ft-lb)	13.0	12.7	15.2	4.5	0.00

Information Block

HP	3.0
Sync. RPM	3600
Frame	140
Enclosure	TENV
Construction	NA
Voltage	208-230/460 V
Frequency	60 Hz
Design	B
LR Code letter	J
Service Factor	1.15
Temp Rise @ FL	82 °C
Duty	AIROVER
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk²	0.07 LB-Ft²
Ref Wdg	T632164 NR
Sound Pressure @ 1M	999 dBA
VFD Rating	NONE
Outline Dwg	034949-700
Conn. Diag	005010.01
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	Xm
0	0.0000



Speed - Torque Curve

