

PRODUCT INFORMATION PACKET



Model No: 116202.00
Catalog No: 116202.00
Fan and Blower Motor, 1 HP, 3 Ph, 60 Hz, 230/460 V, 900 RPM, 56C Frame, TEAO

Operational at 208-230/460 V @60HZ



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Nameplate Specifications

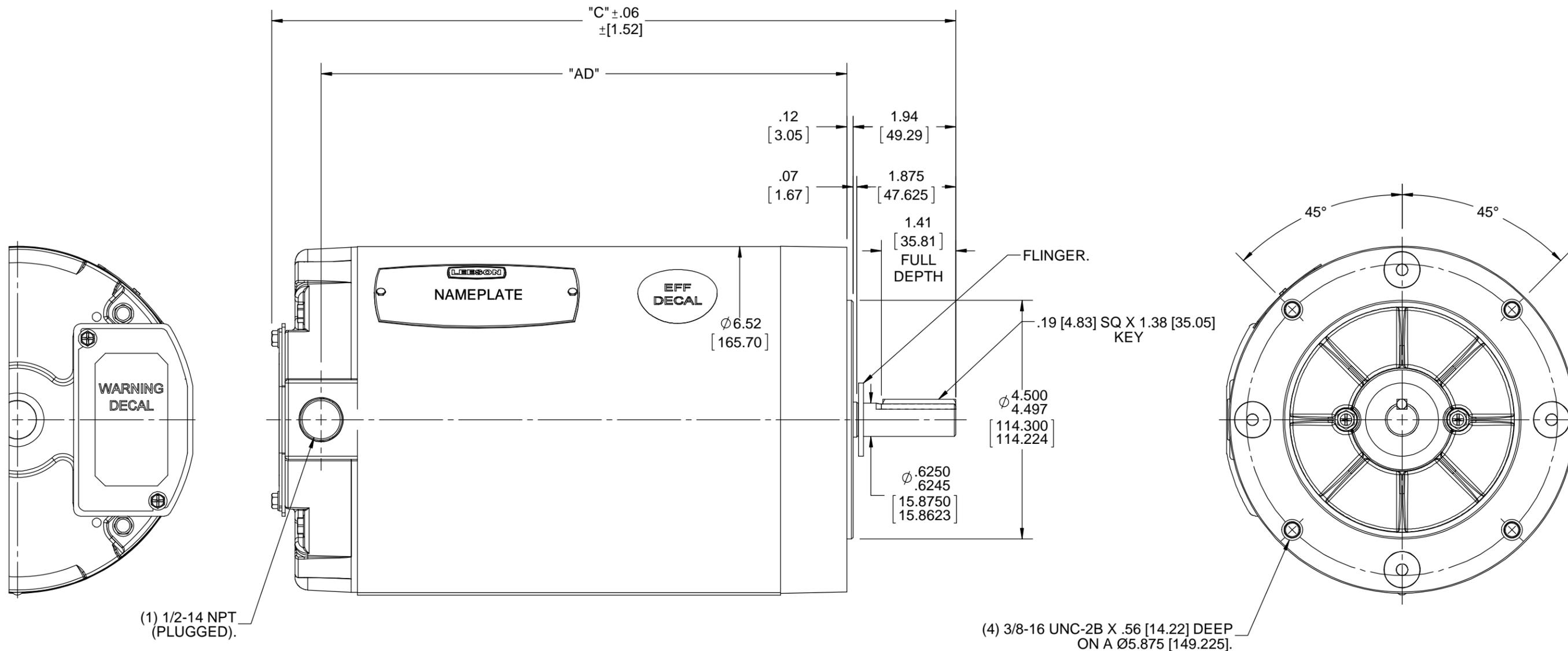
Phase	3	Output HP	1 Hp
Output KW	0.75 kW	Voltage	230/460 V
Speed	850 rpm	Service Factor	1.0
Frame	56C	Enclosure	Totally Enclosed Air Over
Thermal Protection	No Protection	Efficiency	72 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	5.0/2.5 A	Power Factor	51
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Resistance Main	17.2 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	12.90 in
Frame Length	8.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.01	Outline Drawing	029093-800

B

B



A

A

- NOTE:-
- 1) GASKETS THROUGHOUT.
 - 2) MAXIMUM FACE RUNOUT TO BE .004[.102] T.I.R.
 - 3) MAXIMUM PILOT ECCENTRICITY .004[.102] T.I.R.
 - 4) PERMISSIBLE SHAFT RUNOUT .002[.051] T.I.R.

DRAWING REVISION A	REVISION BY	DATE
ECO ECO-0136357	APPROVED BY	DATE
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 125 INCH/mm 3.2			
mm SHOWN IN [BRACKETS]			

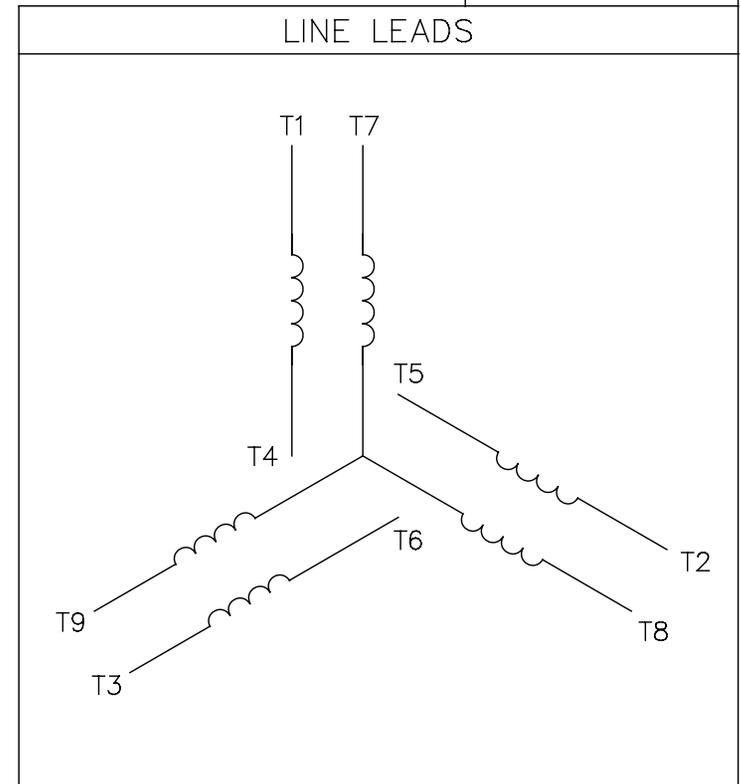
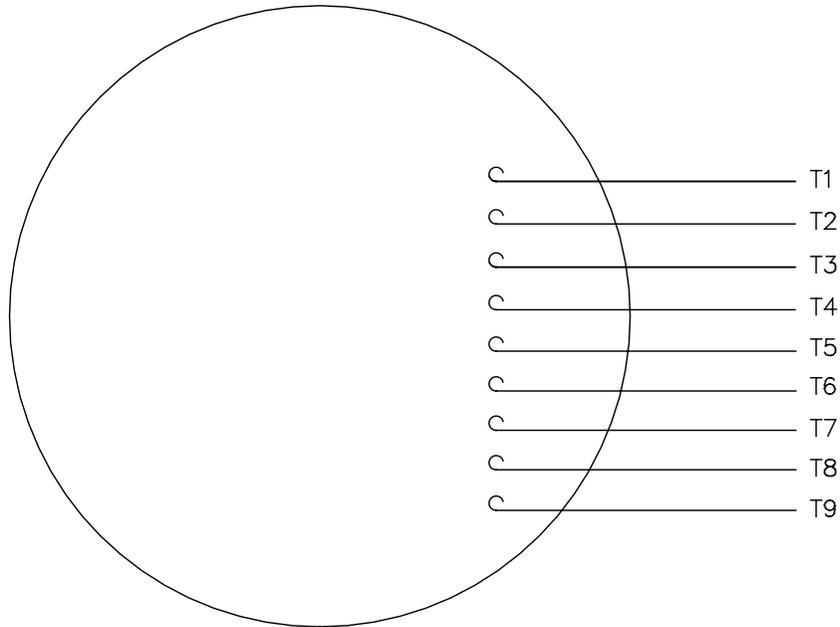
DRAWN BY A SUPPANAVAR
DATE 02/14/2018
APPROVED BY PK
DATE 05/23/2018
REFERENCE 034946
THIRD ANGLE PROJECTION

REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION OUTLINE 56C FRAME TENV-"C" FACE	
MATERIAL FAN DUTY	PROCESS/FINISH
SIZE B	DRAWING NUMBER 029093
SHEET 1 OF 1	

DASH NO.	"C"	"AD"
800	12.93 [328.42]	9.94 [252.48]

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 MAT'L. DECAL - 004014		APPD				
		.XX	±.01			SCALE 1=1				
		.XXX	±.005			REF FIG.2-51				
A	UPDATED TO REGAL LOGO	SAJ	06/26/15	AJY	.XXXX	±.0005	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

Data Sheet

Date: 1/30/2018

116202.00



Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.80	1.86	1.99	2.18	2.48	2.58	2.68	8.5
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.8	7.5	12.0
RPM	900	889	878	866	850	845	837	0
Efficiency (%)		55.2	67.3	71.1	72.0	71.9	71.7	
P.F. (%)	9.7	23.1	35.1	44.9	51.0	54.7	58.3	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	100	600	850	900
Current (Amps)	8.5	7.8	5.1	2.48	1.80
Torque (ft-lb)	12.0	11.5	15.0	6.0	0.00

Information Block				
HP	1.0			
Sync. RPM	900			
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	0 °C			
Duty	AIROVER			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.16 Lb-Ft ²			
Ref Wdg	T63827 NR			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	034946-800			
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	0.0000

