

PRODUCT INFORMATION PACKET



Model No: 116201.00

Catalog No: 116201.00

Fan and Blower Motor, 0.50 HP, 3 Ph, 60 Hz, 230/460 V, 900 RPM, 56C Frame, TEAO

Operational at 208-230/460 V @60HZ



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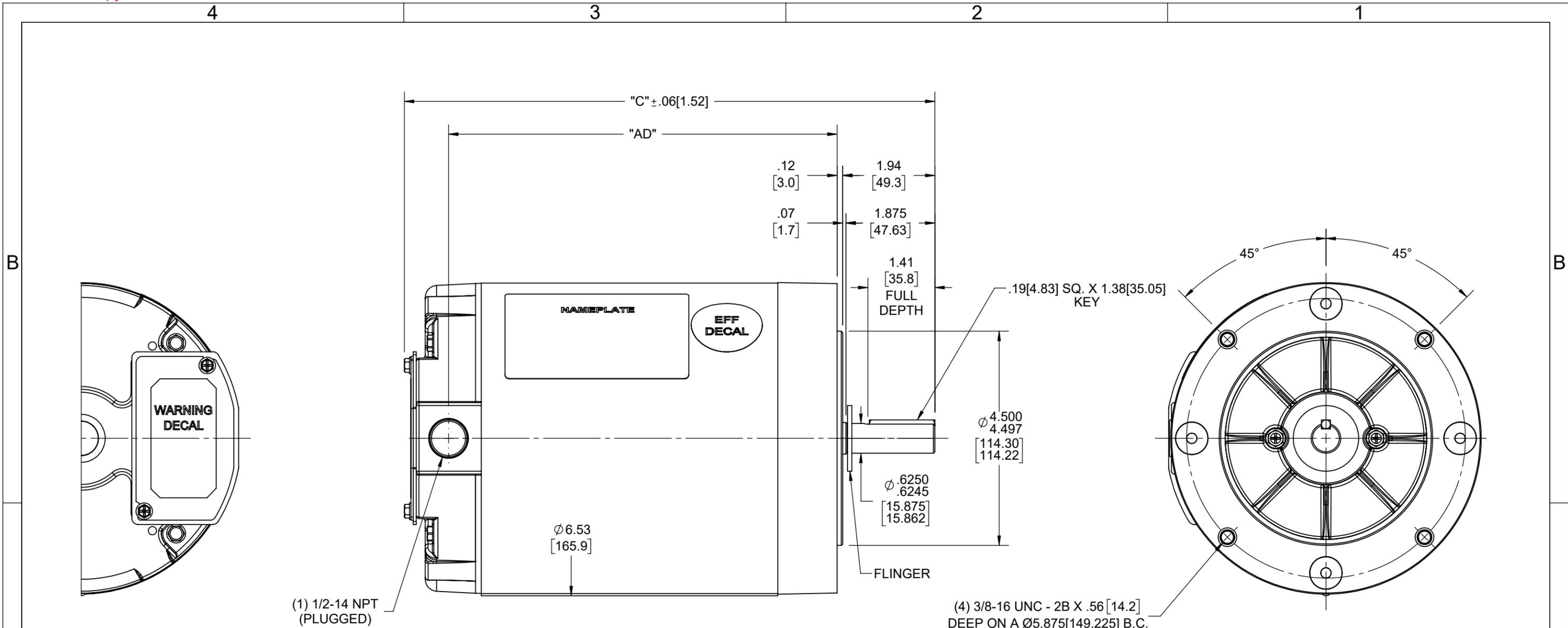


Nameplate Specifications

Phase	3	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	230/460 V
Speed	850 rpm	Service Factor	1.0
Frame	56C	Enclosure	Totally Enclosed Air Over
Thermal Protection	No Protection	Efficiency	69.2 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	3.0/1.5 A	Power Factor	50
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	38 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	10.90 in
Frame Length	6.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.01	Outline Drawing	034946-600



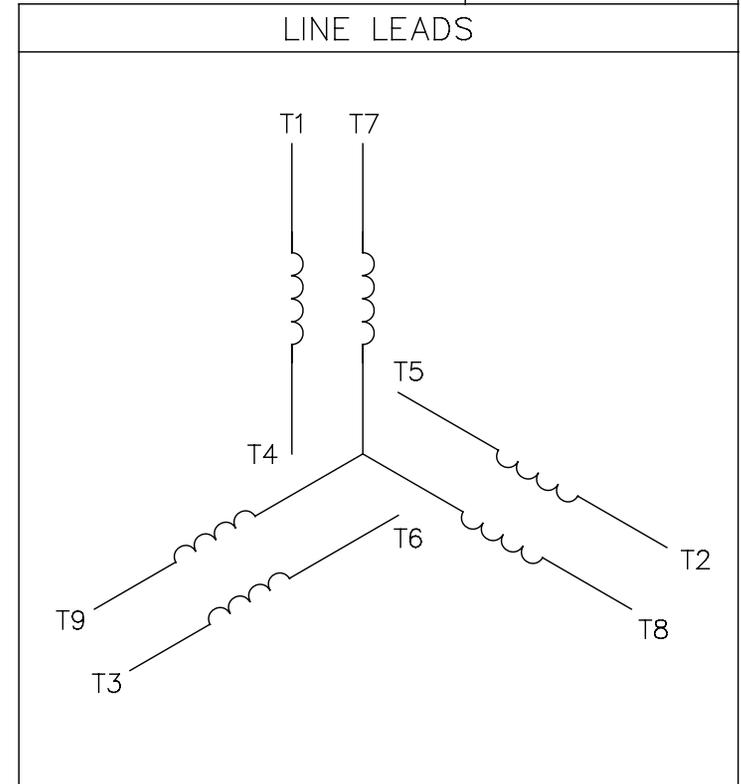
DASH NO.	"C"	"AD"
500	9.90 [251.46]	6.94 [176.28]
550	10.40 [264.16]	7.44 [188.98]
600	10.90 [276.86]	7.94 [201.68]
650	11.40 [289.56]	8.44 [214.38]
700	11.90 [302.26]	8.94 [227.08]
750	12.40 [314.96]	9.44 [239.78]
800	12.90 [327.66]	9.94 [252.48]

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

DRAWING REVISION E	REVISION BY PRASHANTH	REV DATE/© DATE 08/30/2022	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±7' 30" .XX ±0.03 [±0.8] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]	DRAWN BY RDW	Regal Rexnord Regal Beloit America, Inc.
REQUEST NUMBER ECR-0221280	APPROVED BY PRADEEP	DATE 08/30/2022		DATE 06/19/2002	
REQUEST NUMBER DESCRIPTION NAMEPLATE UPDATED FROM METAL TO MYLAR			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [08/.38] X 45° CORNER FILLETS: R.02 [5] MACHINED SURFACES: 200 INCH/mm 5.1 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	APPROVED BY SW	DESCRIPTION OUTLINE 56C FRAME TENV - "C" FACE
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			REFERENCE 034946	THIRD ANGLE PROJECTION	SIZE B
				DRAWING NUMBER 034946	SHEET 1 OF 1

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 ™ 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



1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810

CERTIFICATION DATA SHEET

CATALOG #: 116201.00

CONN. DIAGRAM: 005010.01

OUTLINE: 034946-600

MOUNTING: F1 ONLY

WINDING #: T63826 NR 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	900	850	56C	TEAO	J	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	208-230/460	2.6-3/1.5	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	69.2	3/4 LOAD EFF:	65.4	1/2 LOAD EFF:	59.6	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	50	3/4 LOAD PF:	41.7	1/2 LOAD PF:	32.7	0	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	9 / 4.5	6.5 LB-FT 217 %	8.5 LB-FT 283 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.09 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LIGHT (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

* N O T E S *	INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE NONE NONE PPR
	BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

Data Sheet

Date: 1/23/2018

116201.00



Data @ 460 V

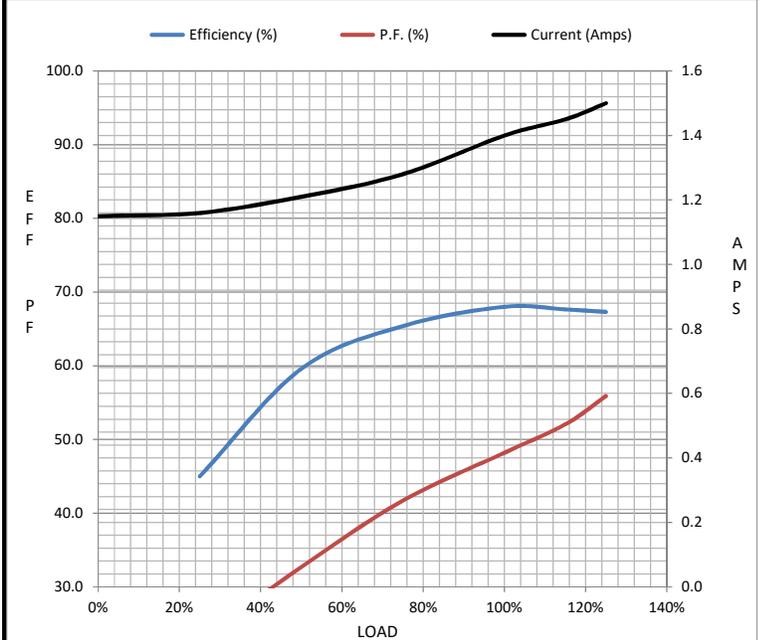
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.15	1.16	1.21	1.28	1.40	1.45	1.50	4.5
Torque (ft-lb)	0.00	0.75	1.50	2.25	3.0	3.4	3.8	6.5
RPM	900	891	881	870	858	852	844	0
Efficiency (%)		45.0	59.6	65.4	68.0	67.7	67.3	
P.F. (%)	12.6	22.8	32.7	41.7	48.2	52.1	55.9	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	100	600	858	900
Current (Amps)	4.5	4.1	2.70	1.40	1.15
Torque (ft-lb)	6.5	6.0	8.5	3.0	0.00

Information Block				
HP	0.5			
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	0.09 Lb-Ft ²			
Ref Wdg	T63826 NR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	NONE			
Outline Dwg	034946-600			
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



Speed - Torque Curve

