

# PRODUCT INFORMATION PACKET



Model No: 4900670  
Catalog No: A681A  
229MP1066,143TCZ,BLW MTR,2HP,1800

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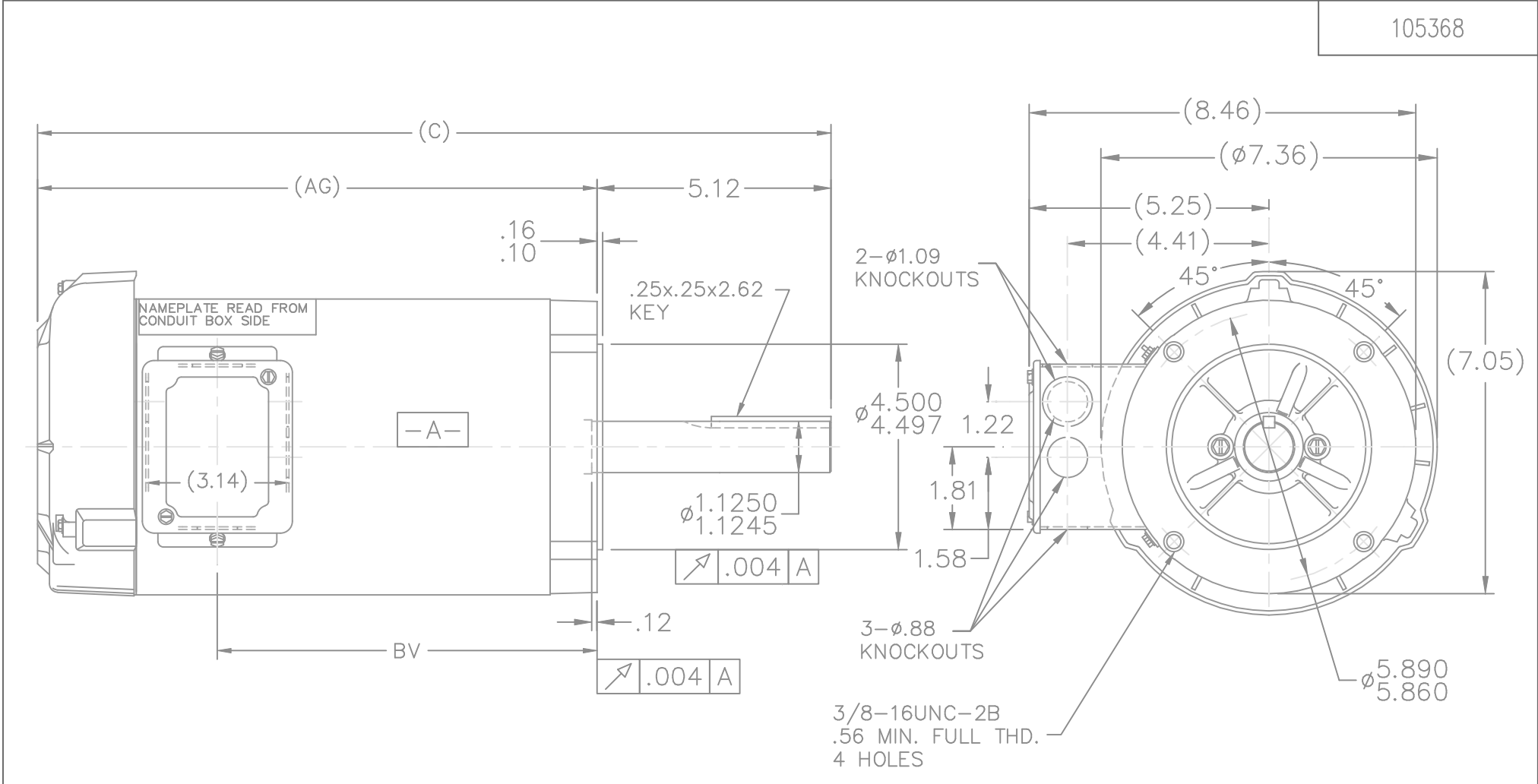
Nameplate Specifications

Technical Specifications

A-105368-956


A-EE7308

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DASH	FRAME	C	BV	AG
906	180T	17.37	8.31	12.25
956	180T	17.87	8.81	12.75

NOTE:  
1- CONDUIT BOX CAN BE ROTATED 180°

				TOLERANCES UNLESS SPECIFIED			DRAWN DRS 04-04-2002		
				DEC.	INCHES		CHK ML 04-08-2002		
				.X	±.1		APPD JES 04-08-2002		
3	ADDED FAN GUARD TO MOTOR CN 39395	TAT 07-25-2005	ML	.XX	±.03	TITLE OUTLINE 140 FR. – TEFC	SCALE 5=16		
2	REVISED KEY 2.62 WAS 4.12 CN 35457	HLB 09-23-2002		.XXX	±.005		REF		
1	NEW DRAWING MU41036	DRS 04-08-2002	ML	.XXXX	±.0005	MAT'L.	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	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		CAD FILE 105368	SIZE A	DRAWING NO. 105368	PAGE OF	REV. 3
			DIST WP						



				TOLERANCES UNLESS SPECIFIED		 <b>Regal Beloit America, Inc.</b>	DRAWN RM	11/20/1990
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		CHK ML	11/21/1990
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		APPD SAS	04/24/2003
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		SCALE	1=1
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005	TITLE CONNECTION DIAGRAM 3Ø – DUAL VOLTAGE MOTOR		REF
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005	MAT'L.		FMF
NO.	REVISION	BY & DATE	CHK	ANG	±7"30"	FINISH		PREV
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			DIST WP		A	EE7308	5	

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## CERTIFICATION DATA SHEET

Model#: 4900670 AA

WINDING#: ZT4255 FR 3

CONN. DIAGRAM: A-EE7308

ASSEMBLY: F1 ONLY

OUTLINE: A-105368-956

## TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2&1 1/2	1.49&1.12	1800	1760&1470	143TCZ	TEFC	N	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#190/ 380-415	6.2- 6/3&5.8/2.9- 2.95	ACROSS THE LINE	CONTINUOU S	F3	1.15/1.15	40	3300

FULL LOAD EFF: 86.5&84	3/4 LOAD EFF: 86.5	1/2 LOAD EFF: 85.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 71&62.5	3/4 LOAD PF: 62	1/2 LOAD PF: 49	84	SQ CAGE IND RUN	3.8 / 1.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6 LB-FT	61 / 30.5	24.5 LB-FT 408	33.2 LB-FT 553	45

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.14 LB-FT^2	12 LB-FT^2	15 SEC.	2	65 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 (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	SGL SPL EXT	1.125 x 5.12 IN SEK	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6206	6203						

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

If Inverter equals NONE, contact factory for further information

\*  
N  
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\*

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

DATE: 06/22/2017 05:20:29 AM  
FORM 3531 REV.3 02/07/99

\*\* Subject to change without notice.

## Data Sheet

Date: 1/28/2019  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: DINESH SUDDULA



4900670

## Submittal

Data @ 460 V

## Motor Load Data

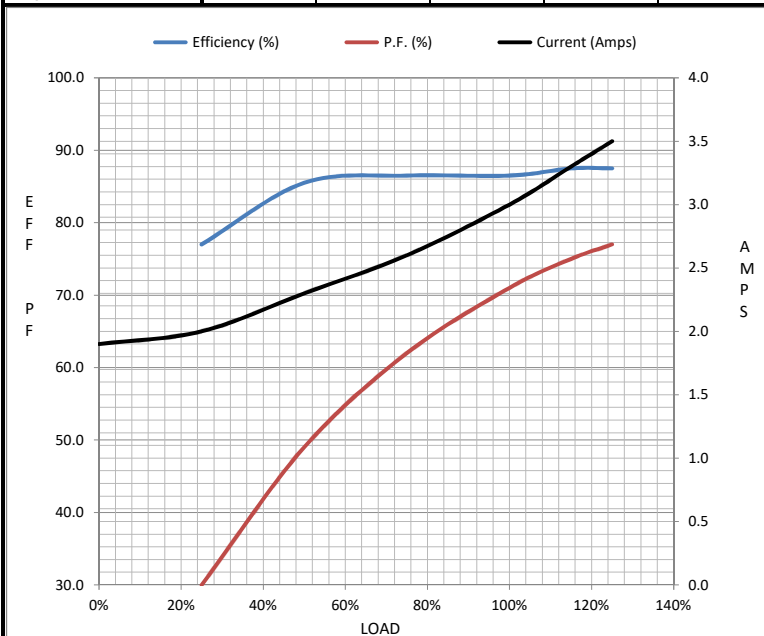
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.90	2.00	2.30	2.60	3.0	3.3	3.5	30.5	
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.9	7.5	24.5	
RPM	1800	1790	1780	1770	1760	1,755	1750	0	
Efficiency (%)		77.0	85.5	86.5	86.5	87.5	87.5		
P.F. (%)	7.0	30.0	49.0	62.0	71.0	75.0	77.0	71.0	

## Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	115	1200	1760	1800
Current (Amps)	30.5	29.5	19.5	3.0	1.90
Torque (ft-lb)	24.5	23.7	33.2	6.0	0.00

## Information Block

HP	2.0			
Sync. RPM	1800			
Frame	143			
Enclosure	TEFC			
Construction	TFR			
Voltage	208-230/460#190/380-415 V			
Frequency	60 Hz			
Design	B			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	45 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	3,300 feet			
Rotor/Shaft wk²	0.14 Lb-Ft²			
Ref Wdg	ZT4255 FR			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NONE			
Outline Dwg	A-105368-956			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
3.9620	3.0100	5.7510	5.9360	160.3460



## Speed -Torque Curve

