



A Regal Brand

Catalog # : 101637.00
Product Type: AC MOTOR
Description:

Model: 101637.00
Stock: Y

Quote: Price:

Date: 10/01/2018



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Engineering Data

Volts 230 460 190/380
F.L. Amps 2.4 1.2 2/1
S. F Amps 2.8 1.4 2.1/1.1

RPM 3600 Hertz 60/50
HP 3/4 Duty CONTINUOUS TYPE TD
KW .56
Frame S56J Serv. Factor 1.15 Phase 3
Max Amb 40 Design NO DESIGN CODE Code K
Insul Class B Protection NOT Therm.Prot.
Eff 100% 79 Eff 75% PF 74
UL Y-(LEESON UL REC) CSA Yes Bearing OPE 6203
CC Number EXEMPT CE No Bearing PE 6203
Load Type Inverter Type Speed Range NONE

Motor Wt. 21 LB Enclosure DP Lubrication POLYREX EM
Nameplate 004002 Mounting ROUND Rotation REV
Assembly LO101637 Shaft Dia. 5/8 IN Ext. Diag. 005010.01
Cust Part No Outline 031799-550 Ext. Diag2
Packaging B Outline Dash No Winding T5527
Carton Label Leeson Pump GROUP : 3
Iris Paint BLUE - LEESON (ENAMEL) Test Card 02

Form Factor RMS Amps Const TorqueSpeed Range
Torque Peak
AB Code Peak@DegC
Resistance
Connection

Rework Status Rework TYPE

Hazardous Loc
Explosion Proof
Class
Class

NONE

Temp Op Code
GROUP
GROUP

Brake Motors
FORCE
VDC
ADC

Brake Coil OHMs @25 C

Performance					
Torque UOM	OZ-FT		Inertia (WK ²)	.02 LB-FT ²	
Torque	18(Full Load)		73.3(Break Down)	48(Pull Up)	53.6(Locked Rotor)
CURRENT (amps)	1.21(Full Load)		4.97(Break Down)	8.06(Pull Up)	8.54(Locked Rotor)
Efficiency (%)	0(Full Load)		74.7(75% Load)	69.8(50% Load)	55.8(25% Load)
PowerFactor	0(Full Load)		72(75% Load)	61.9(50% Load)	44.2(25% Load)

Load Curve Data @60/50 HzVolts,3/4Horsepower

Load	Amps	KW	RPM	Torque	Eff	PF	Rise By Resis	Frame Rise
0.0	0.68	0.121	3585	0.0	0.0	22.4	0.0	-
0.25	0.73	0.258	3573	4.5	55.8	44.2	0.0	-
0.5	0.83	0.409	3550	9.1	69.8	61.9	0.0	-
0.75	0.97	0.564	3528	13.5	74.7	72.0	0.0	-
1.0	1.13	0.718	3505	18.0	78.0	79.7	109.0	72.0
1.25	1.31	0.887	3478	22.5	78.4	85.0	0.0	-
1.5	1.48	1.055	3450	27.1	78.6	89.1	0.0	-

SOURCE: CALCULATED GROUP: 3

Load Curve Data @60/50HzVolts,3/4Horsepower

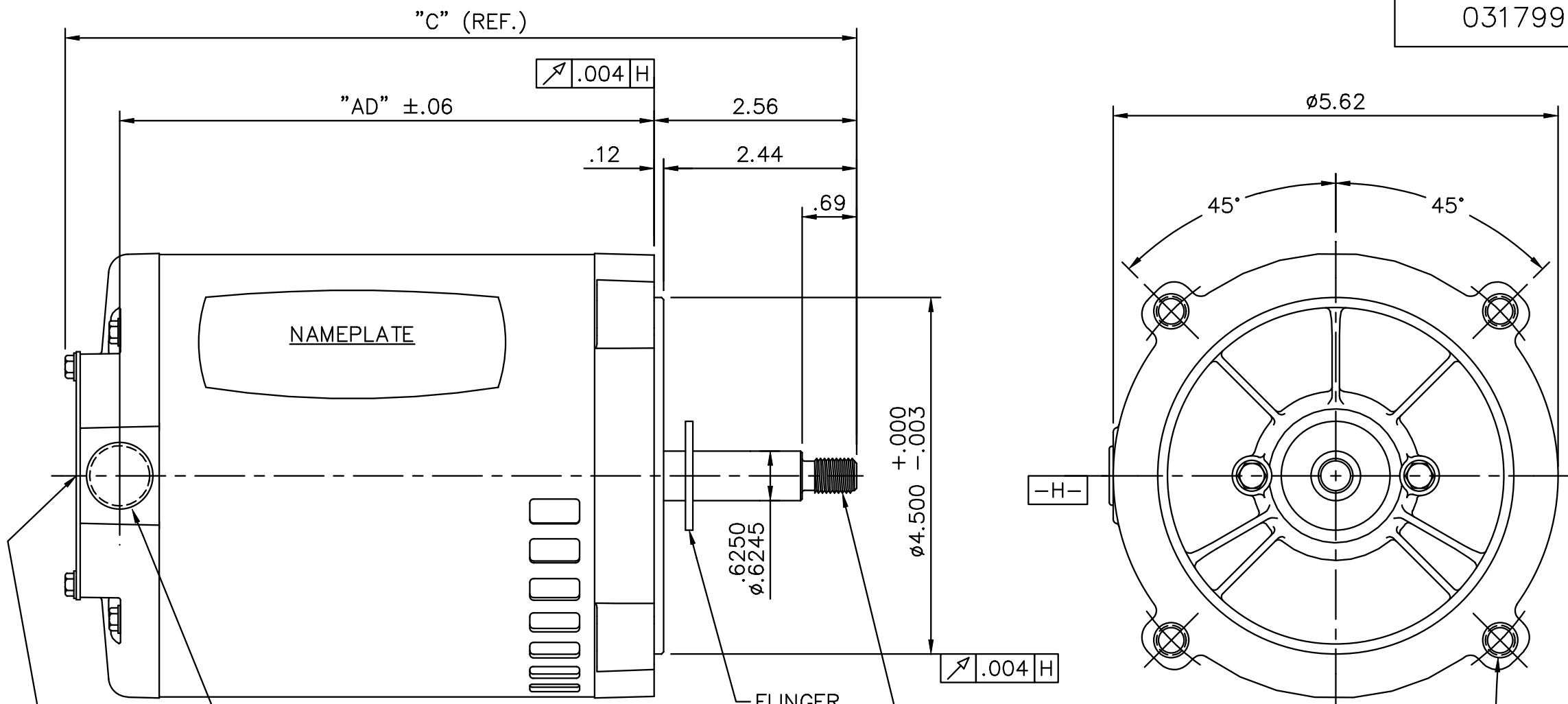
Load	Amps	KW	RPM	Torque	Eff	PF	Rise By Resis	Frame Rise
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Load Curve Data Not Available

Quote: Price:

Date: 10/01/2018

031799



NAMEPLATE

1/2-14 NPT
CONDUIT HOLE
(PLUGGED)

SCREWDRIVER SLOT
IN SHAFT

FLINGER

7/16-20 UNF 2A
RIGHT HAND THREAD

3/8-16 UNC 2B TAP x .56 DEEP
(4) REQ'D. ON A 5.875 B.C.

DASH NO.	"C"	"AD"
500	9.50	6.25
525	9.75	6.50
550	10.00	6.75
575	10.25	7.00
600	10.50	7.25
625	10.75	7.50
650	11.00	7.75
675	11.25	8.00

TOLERANCES
UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

TITLE
OUTLINE - S56J FRAME
"C" FACE MOUNT - DRIP PROOF

MAT'L
FINISH

DRAWN	PG 02/16/05
CHK	
APPD	PG 02/16/05
SCALE	1=2
REF	031799
FMF	101637.00
PREV	

NO.	REVISION	BY & DATE	CHK	ANG	FINISH

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DIST			A	031799	

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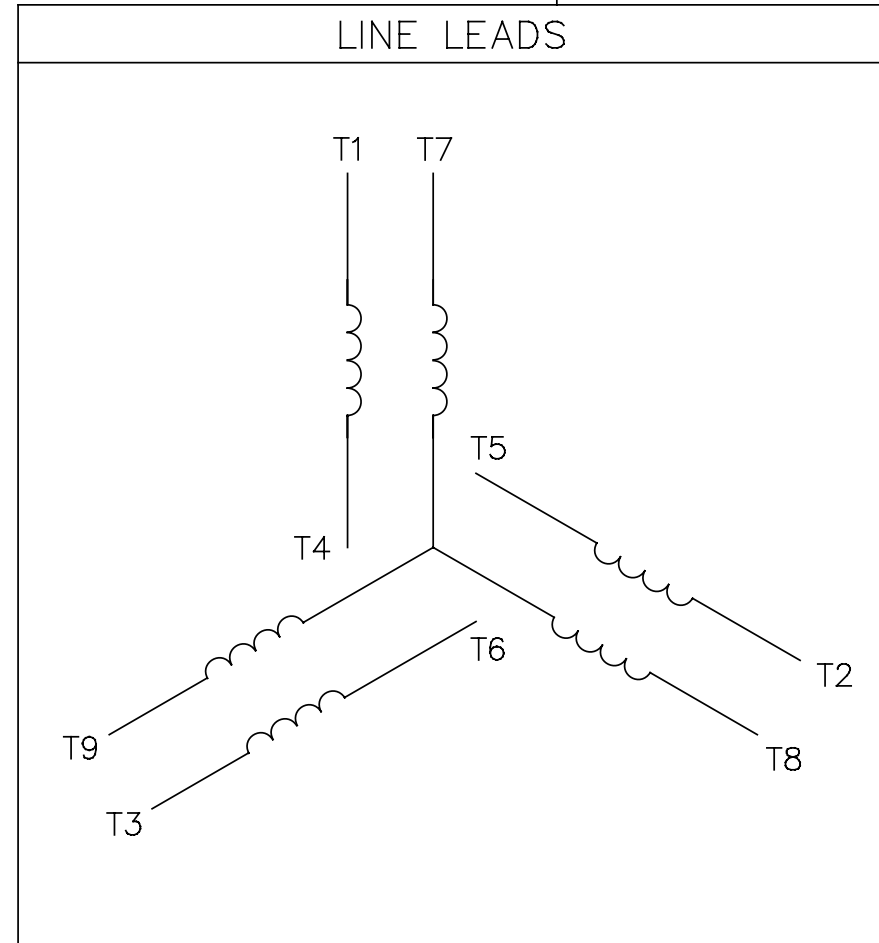
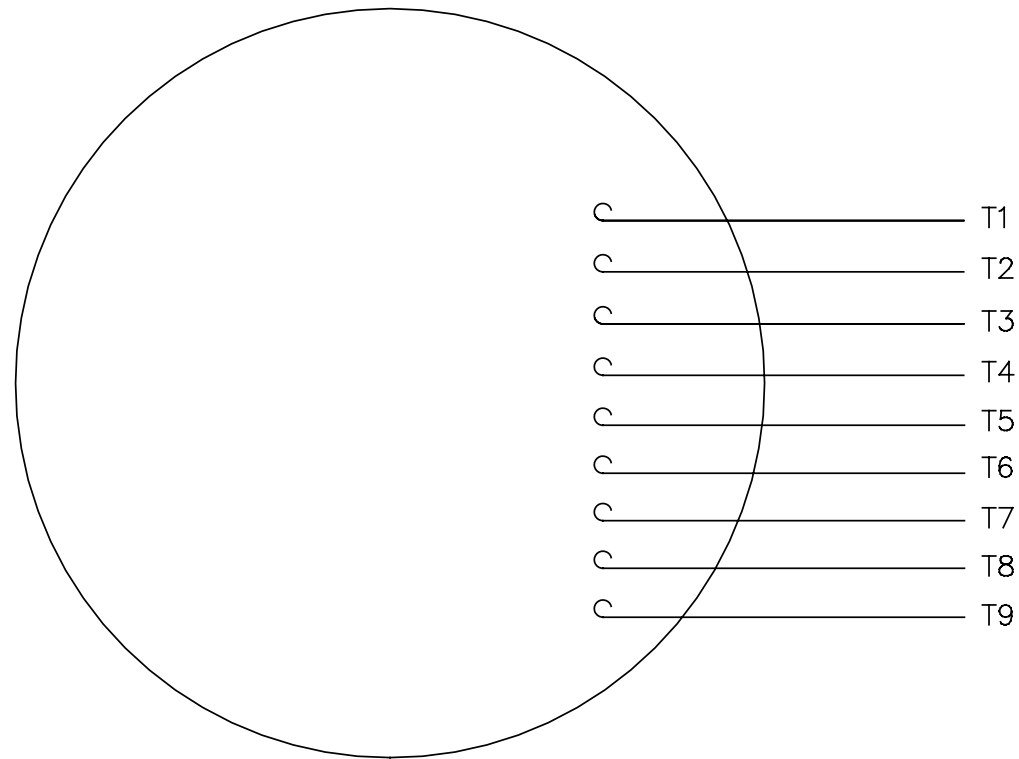
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Uncontrolled Copy

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	TITLE		CHK				
		.X	±.1	EXTERNAL WIRING DIAGRAM		APPD				
		.XX	±.01	3 PHASE W/O PROTECTOR		SCALE 1=1				
		.XXX	±.005	MAT'L. DECAL - 004014		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°	PREV				
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				DIST	BRF-NLV			A	005010-01	A