



A Regal Brand

Catalog # : 101780.00
Product Type: AC MOTOR
Description:

Model: 101780.00
Stock: Y

Quote: Price:

Date: 08/10/2018



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Engineering Data

Volts	208-230	Volts	460	Volts	190/380
F.L. Amps	1.8-1.8	F.L. Amps	.9	F.L. Amps	2/1
S. F Amps	1.9-1.9	S. F Amps	.95	S. F Amps	2.1/1.1

RPM	1800	Hertz	60/50	TYPE	TF
HP	1/2	Duty	CONTINUOUS		
KW	.37				
Frame	S56C	Serv. Factor	1.15	Phase	3
Max Amb	40	Design	NO DESIGN CODE	Code	M
Insul Class	F	Protection	NOT	Therm.Prot.	7AM035A5
Eff 100%	77	Eff 75%		PF	69
UL	Y-(LEESON UL REC)	CSA	Yes	Bearing OPE	6203
CC Number	EXEMPT	CE	Yes	Bearing PE	6203
Load Type		Inverter Type		Speed Range	NONE

Motor Wt.	21 LB	Enclosure	TEFC	Lubrication	MULTEMP SRL
Nameplate	A-92005-19	Mounting	ROUND	Rotation	REV
Assembly	LO101780	Shaft Dia.	5/8 IN	Ext. Diag.	005010.20
Cust Part No		Outline	031637-600	Ext. Diag2	
Packaging	B	Outline Dash No		Winding	TE48453
Carton Label	Leeson Wattsaver			GROUP :	3
Iris		Paint	GREEN - LEESON WATTSaver	Test Card	

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

Rework Status		Rework TYPE	
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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)		.053 LB-FT ²		
Torque	24(Full Load)	98(Break Down)		76(Pull Up)		91.4(Locked Rotor)
CURRENT (amps)	.9(Full Load)	0(Break Down)		0(Pull Up)		6.3(Locked Rotor)
Efficiency (%)	0(Full Load)	73.8(75% Load)		66.9(50% Load)		51.9(25% Load)
PowerFactor	0(Full Load)	60.1(75% Load)		47.9(50% Load)		33.4(25% Load)

Load Curve Data @60/50 HzVolts,1/2Horsepower

Load	Amps	KW	RPM	Torque	Eff	PF	Rise By Resis	Frame Rise
0.0	0.65	0.121	1797	0.0	0.0	23.4	0.0	-
0.25	0.68	0.181	1787	5.92	51.9	33.4	0.0	-
0.5	0.72	0.275	1774	11.68	66.9	47.9	0.0	-
0.75	0.8	0.383	1760	18.08	73.8	60.1	0.0	-
1.0	0.83	0.487	1747	24.0	76.4	73.6	39.0	25.0
1.15	0.9	0.51	1740	26.0	77.0	73.8	0.0	-
1.25	0.95	0.56	1737	28.16	77.5	74.0	0.0	-
1.5	1.0	0.605	1732	30.56	77.7	75.9	0.0	-

SOURCE: CALCULATED GROUP: 3

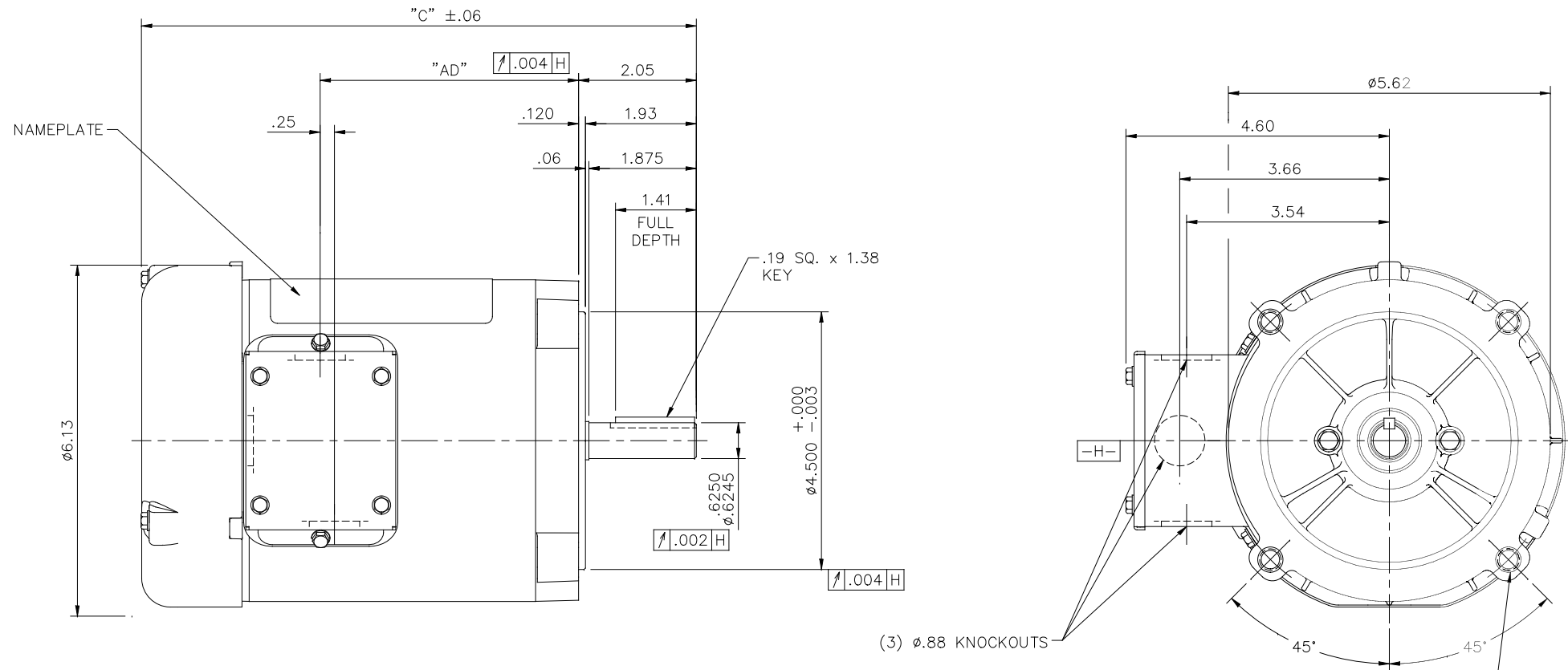
Load Curve Data @60/50HzVolts,1/2Horsepower

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

Quote: Price:

Date: 08/10/2018



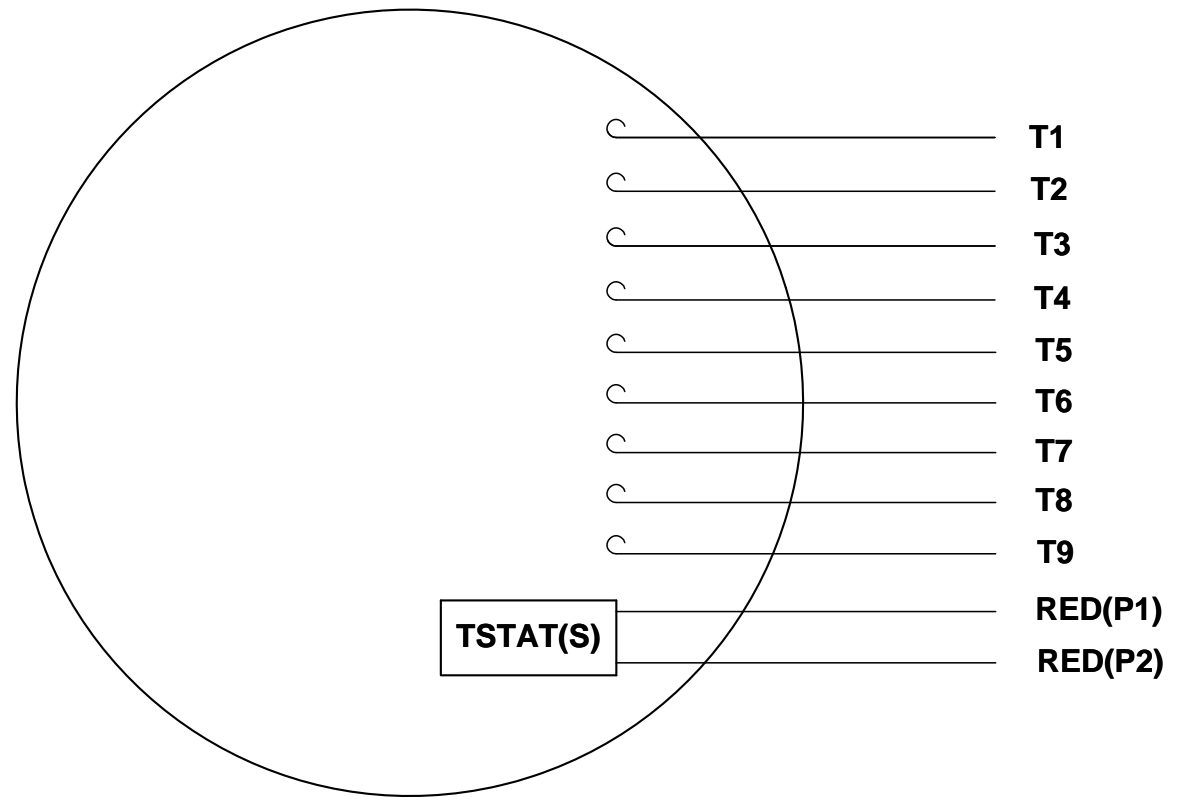
DASH NO.	"C"	"AD"
475	9.44	4.25
500	9.69	4.50
525	9.94	4.75
550	10.19	5.00
575	10.44	5.25
600	10.69	5.50
625	10.94	5.75
650	11.19	6.00
675	11.44	6.25
700	11.69	6.50
725	11.94	6.75
750	12.19	7.00

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

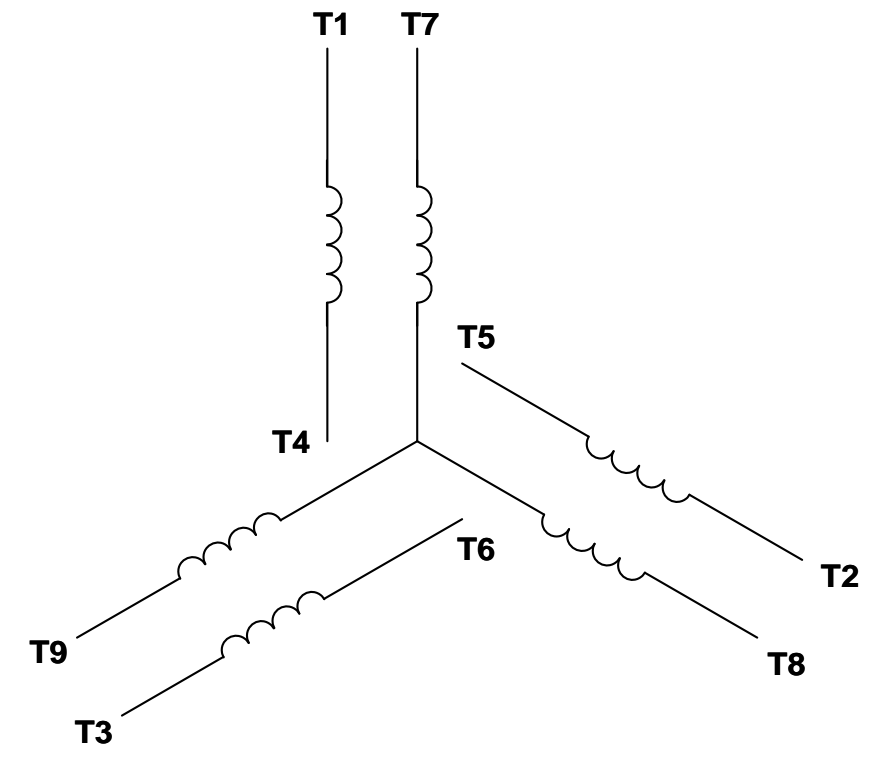
GASKETS THROUGHOUT

		TOLERANCES UNLESS SPECIFIED		REGAL™ Regal Beloit America, Inc.		DRAWN PG 7/12/01			
		DEC.	INCHES			CHK			
		.X	±.1			APPD	PG 7/12/01		
		.XX	±.03	TITLE		SCALE	1=2		
02	ADDED DASH NO. 475 TO TABLE (102184.00)	PG	9/19/02	.XXX	±.005	REF			
01	REVISED CALLOUT FOR GD&T	KMM	6/6/02	.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	CAD FILE	031637	SIZE	DRAWING NO.	REV.
				DIST			B	031637	02

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END. Uncontrolled Copy



LINE LEADS



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

DRAWING REVISION **G** REVISION BY **MVG** DATE **04/05/2017**

ECO **ECO-0121253** APPROVED BY **SM** DATE **04/05/2017**

ECO DESCRIPTION
ADDED P1 & P2 FOR TSTAT

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.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: 125/3.2 INCH/mm

mm SHOWN IN [BRACKETS]

DRAWN BY **DBT 12/16/97**

DATE

APPROVED BY **KH 12/17/97**

DATE

REFERENCE

THIRD ANGLE PROJECTION



DESCRIPTION
CONN DIAGRAM-EXTERNAL
3 PHASE WITH PROTECTOR

MATERIAL **DECAL - 004014 (TSTAT) - 080582** PROCESS/FINISH **STOCK**

SIZE **A** DRAWING NUMBER **00501020** SHEET **1 OF 1**