



A Regal Brand

Catalog # : 102664.00  
Product Type: AC MOTOR  
Description:

Model: 102664.00  
Stock: Y

Quote: Price:

Date: 08/21/2018



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Engineering Data

Volts	208-230	Volts	460	Volts	
F.L. Amps	1.5-1.6	F.L. Amps	.8	F.L. Amps	
S. F Amps	1.7-1.8	S. F Amps	.9	S. F Amps	

RPM	1800	Hertz	60	TYPE	TF
HP	1/3	Duty	CONTINUOUS		
KW	0.25				
Frame	48C	Serv. Factor	1.15	Phase	3
Max Amb	40	Design	B	Code	M
Insul Class	B	Protection	NOT	Therm.Prot.	
Eff 100%	64.3	Eff 75%		PF	61.1
UL	Y-(LEESON UL REC)	CSA	Yes	Bearing OPE	6203
CC Number	NONE	CE	No	Bearing PE	6203
Load Type		Inverter Type		Speed Range	NONE

Motor Wt.	16 LB	Enclosure	TEFC	Lubrication	MULTEMP SRL
Nameplate	A-92005-4	Mounting	ROUND	Rotation	REV
Assembly	LO102664	Shaft Dia.	1/2 IN	Ext. Diag.	005010.01
Cust Part No		Outline	031699-475	Ext. Diag2	
Packaging	B	Outline Dash No		Winding	TE48414
Carton Label	Leeson Gen Purpose			GROUP :	3
Iris		Paint	BLUE - LEESON (ENAMEL)	Test Card	

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 <sup>2</sup> )	.035 LB-FT <sup>2</sup>	
Torque	16.03(Full Load)		82.31(Break Down)	66.56(Pull Up)	67.11(Locked Rotor)
CURRENT (amps)	1.73(Full Load)		6.69(Break Down)	9.36(Pull Up)	9.41(Locked Rotor)
Efficiency (%)	0(Full Load)		61(75% Load)	52(50% Load)	35.5(25% Load)
PowerFactor	0(Full Load)		44.8(75% Load)	35.8(50% Load)	27(25% Load)

Load Curve Data @60 HzVolts, 1/3Horsepower

Load	Amps	KW	RPM	Torque	Eff	PF	Rise By Resis	Frame Rise
0.0	1.78	0.122	1800	0.0	0.0	17.2	0.0	-
0.25	1.66	0.179	1786	4.0	35.5	27.0	0.0	-
0.5	1.69	0.241	1773	8.0	52.0	35.8	0.0	-
0.75	1.72	0.307	1760	12.0	61.0	44.8	0.0	-
1.0	1.79	0.376	1476	16.0	66.0	52.6	50.0	-
1.25	1.87	0.445	1731	20.0	69.1	59.7	0.0	-
1.5	1.98	0.518	1714	24.0	70.5	65.6	0.0	-
1.75	2.11	0.595	1697	28.0	70.9	70.8	0.0	-
2.0	2.24	0.674	1679	32.0	70.8	75.5	0.0	-
1.15	1.9	0.447	1735	20.3	70.0	65.0	0.0	-

SOURCE: CALCULATED GROUP: 3

Load Curve Data @60HzVolts, 1/3Horsepower

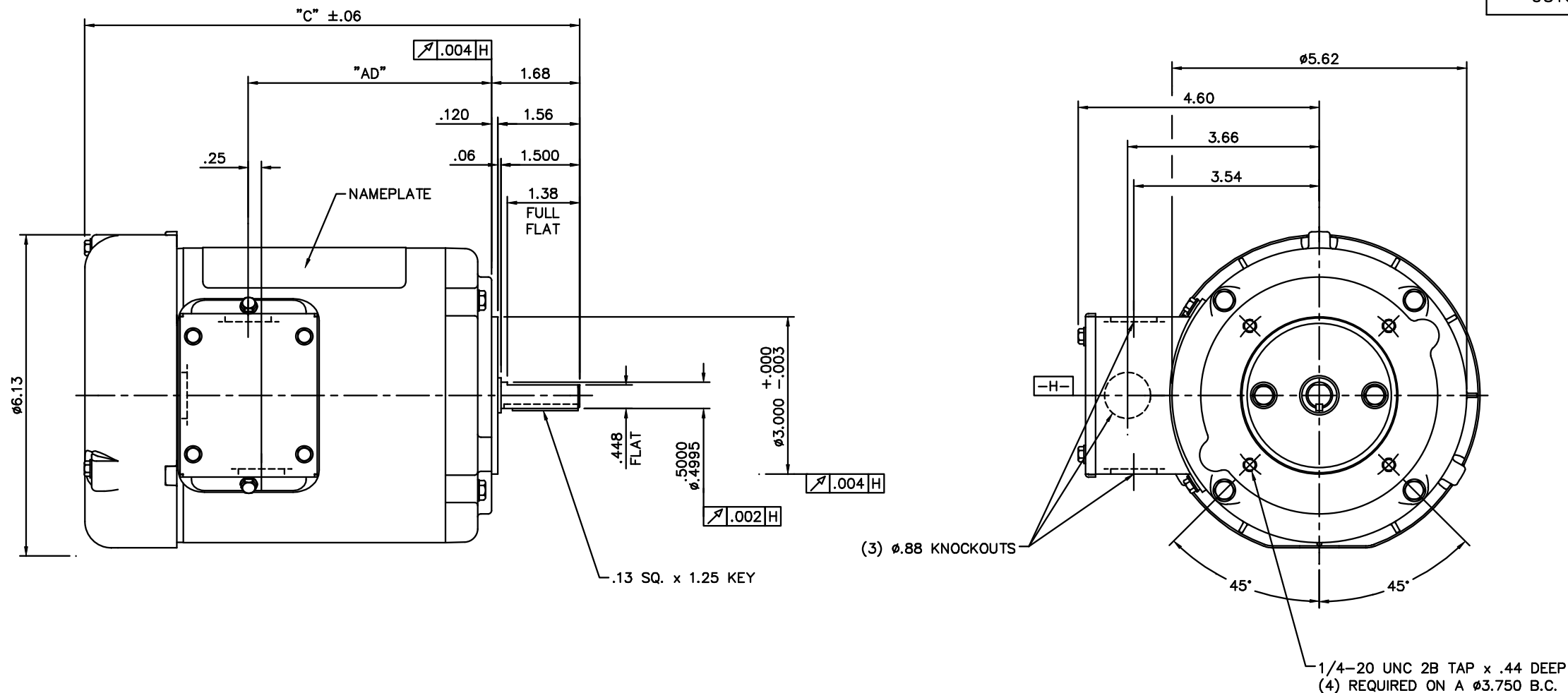
Load	Amps	KW	RPM	Torque	Eff	PF	Rise By Resis	Frame Rise
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Load Curve Data Not Available

Quote: Price:

Date: 08/21/2018

031699



DASH NO.	"C"	"AD"
450	8.94	4.14
475	9.19	4.39
500	9.44	4.64
525	9.69	4.89
550	9.94	5.14
575	10.19	5.39
600	10.44	5.64
625	10.69	5.89
650	10.94	6.14
675	11.19	6.39

GASKETS THROUGHOUT

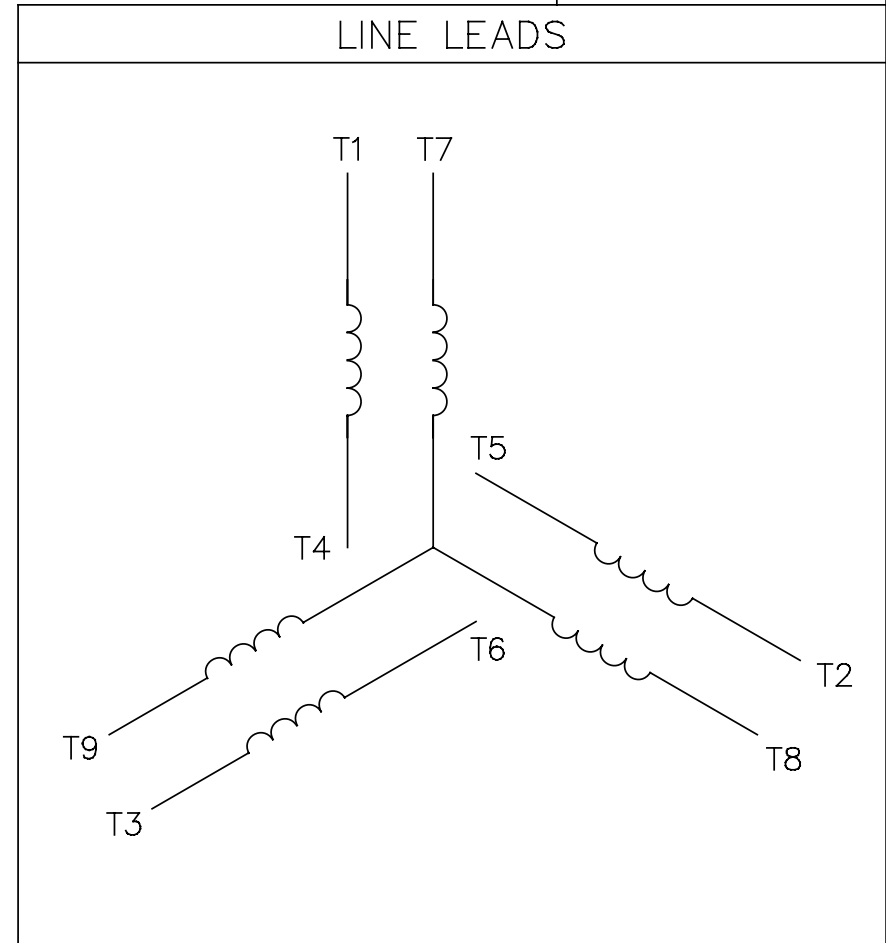
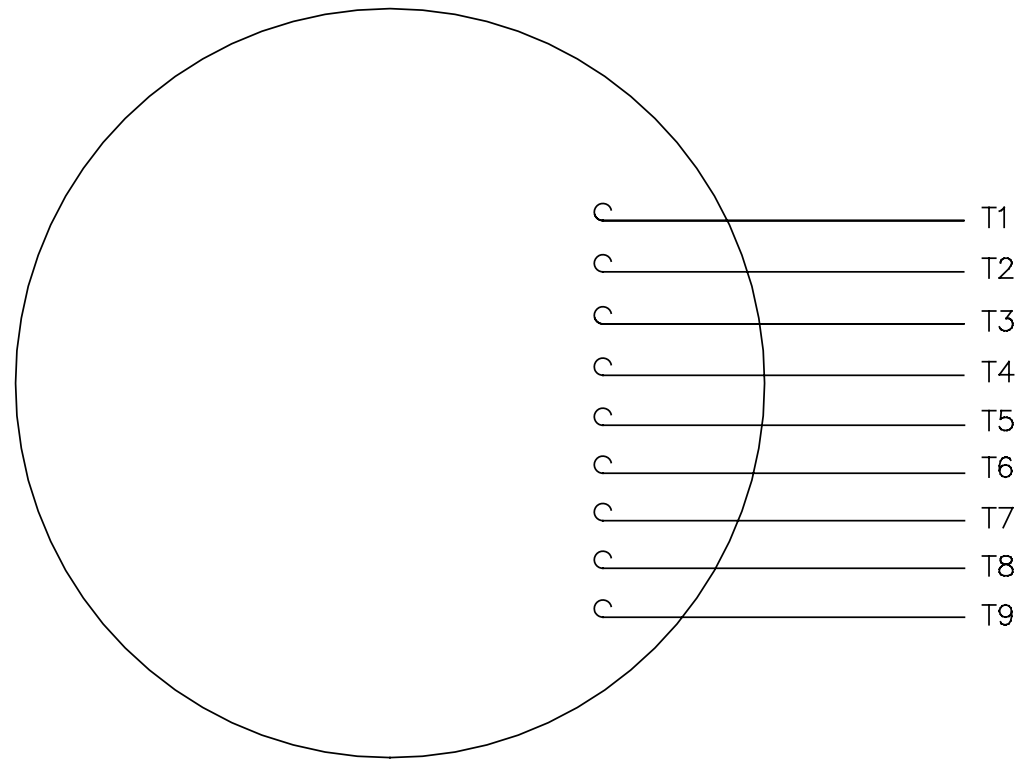
NO.		REVISION		BY & DATE		CHK	ANG	FINISH	TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN	PG 7/12/02
									DEC.	INCHES	ELECTRIC MOTORS GEARMOTORS AND DRIVES		CHK	
									.X	±.1	ELECTRIC MOTORS GEARMOTORS AND DRIVES		APPD	
									.XX	±.03	ELECTRIC MOTORS GEARMOTORS AND DRIVES		SCALE	1=2
									.XXX	±.005	ELECTRIC MOTORS GEARMOTORS AND DRIVES		REF	031634
									.XXXX	±.0005	ELECTRIC MOTORS GEARMOTORS AND DRIVES		FMF	101981.00
											ELECTRIC MOTORS GEARMOTORS AND DRIVES		PREV	
									RFP		CAD FILE	031699	SIZE	DRAWING NO.
									DIST				B	031699
													REV.	

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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°	FINISH	PREV			
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