



ELECTRIC MOTORS, GEARMOTORS AND DRIVES

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Product Features

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Catalog No 111085.00

Model A6C17XC22K

Product type AC MOTOR

Stock Stock

Description 1/2HP.,1725RPM.56.EPFC./V.1PH.60HZ.CONT.AUTOMATIC.40C.1.0SF.ROUND.EXPLOSION-PROOF.A6C17XC22K

Information shown is for current motor's design

[View Outline](#) | [View Connection](#)

Engineering Data

Volts 115	Volts 208-230	Volts
F.L. Amps 8.8	F.L. Amps 4.2-4.4	F.L. Amps
S. F Amps	S. F Amps	S. F Amps
RPM 1800	Hertz 60	
HP 1/2	Duty CONTINUOUS	TYPE CX
KW 0.37		
Frame 56C	Serv. Factor 1.0	Phase 1
Max Amb 40	Design N	Code L
Insul Class B	Protection AUTOMATIC	Therm.Prot. MEJ36AV
Eff 100% 66	Eff 75%	PF 58
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. 30 LB	Enclosure EPFC	Lubrication POLYREX EM
Nameplate	Mounting ROUND	Rotation SELECTIVE CCW
Assembly B-LO6420C-681	Shaft Dia. 5/8 IN	Ext. Diag. A-102005-84-LE
Cust Part No	Outline B-104188LE-681	Ext. Diag2
Packaging B		Winding ZC404
Carton Label Leeson Exp Proof		GROUP: 3
Iris	Paint LEESON BLUE	Test Card
Form Factor	RMS Amps	Const Torque Speed Range
Torque	Peak	
AB Code	Peak@DegC	
Resistance		
Connection		
Rework Status	Rework TYPE	
Hazardous Loc EXP PROOF CL I GR C&D CL II GR F&G T3C		Brake Motors
Explosion Proof	Temp Op Code	FORCE
Class	GROUP:	VDC
Class	GROUP:	ADC
		Brake Coil OHMs @25 C

Performance

Torque UOM			Inertia (WK²)					
Torque								
CURRENT (amps)								
Efficiency (%)								
PowerFactor								
Load Curve Data @60 Hz, 230 Volts, 1/2 Horsepower								
Load	Amps	KW	RPM	Torque	EFF	PF	Rise By Resis	Frame Rise
0.0	3.5	0.15	1800	0.0	0.0	18.6	0.0	-
0.25	3.6	0.245	1783	5.93	38.3	29.6	0.0	-
0.5	3.7	0.345	1772	11.9	54.3	40.5	0.0	-
0.75	3.95	0.45	1760	18.0	62.5	49.5	0.0	-
1.0	4.4	0.565	1746	24.1	66.0	58.0	55.0	-
1.15	4.6	0.66	1735	28.1	66.5	61.0	65.0	39.0
1.25	4.8	0.695	1730	30.4	67.2	63.0	0.0	-
1.5	5.2	0.825	1712	36.9	68.0	69.0	0.0	-
1.75	5.85	0.98	1692	43.5	66.7	72.8	0.0	-
2.0	6.6	1.16	1665	50.6	64.5	76.4	0.0	-

SOURCE: CALCULATED GROUP: 3

- [illegible]

.O2O LOADING SPRING (FLAT)

208 SLINGER
203
010 RUNNING
029 CLEARANCE

SLINGER
BRACKET

015 RUNNING
074 CLEARANCE

0239±.0030 WASHER

099	GAP TOL.	VARIATION
059		

SLINGER

	FRAME LENGTH	MAX. STACK	AG	C
DASH				
631	6.31	1.50	11.38	13.44
681	6.81	2.00	11.88	13.94

73	7.3	2.50	2.38	14.44
78	7.8	3.00	2.83	14.94
83	8.3	3.50	3.33	15.44
88	8.8	4.00	3.83	15.94
93	9.3	4.50	4.33	16.44
98	9.8	5.00	4.83	16.94

[illegible]

PURCHASED

D19

STR: B1

NOTES

- WA

97

$$\frac{1}{100}$$
$$\overline{N} =$$

CA

$$\frac{ABD}{F1}$$

TABLE 2

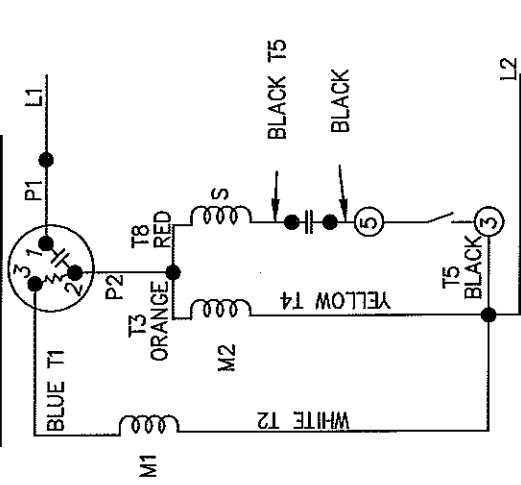
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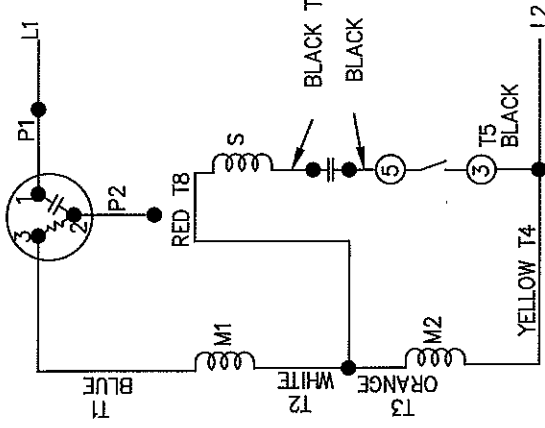
L0642

25

LOW VOLTAGE — C.C.W.

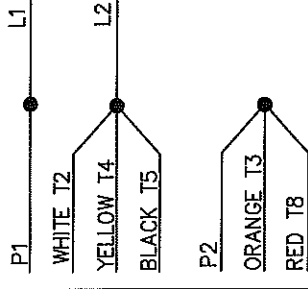


HIGH VOLTAGE — C.C.W.

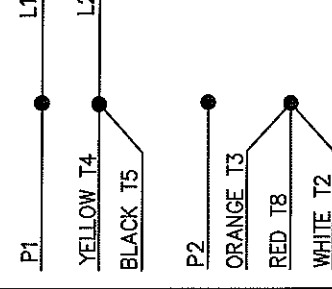


DUAL VOLTAGE CAPACITOR START OVERLOAD SELECT ROT.

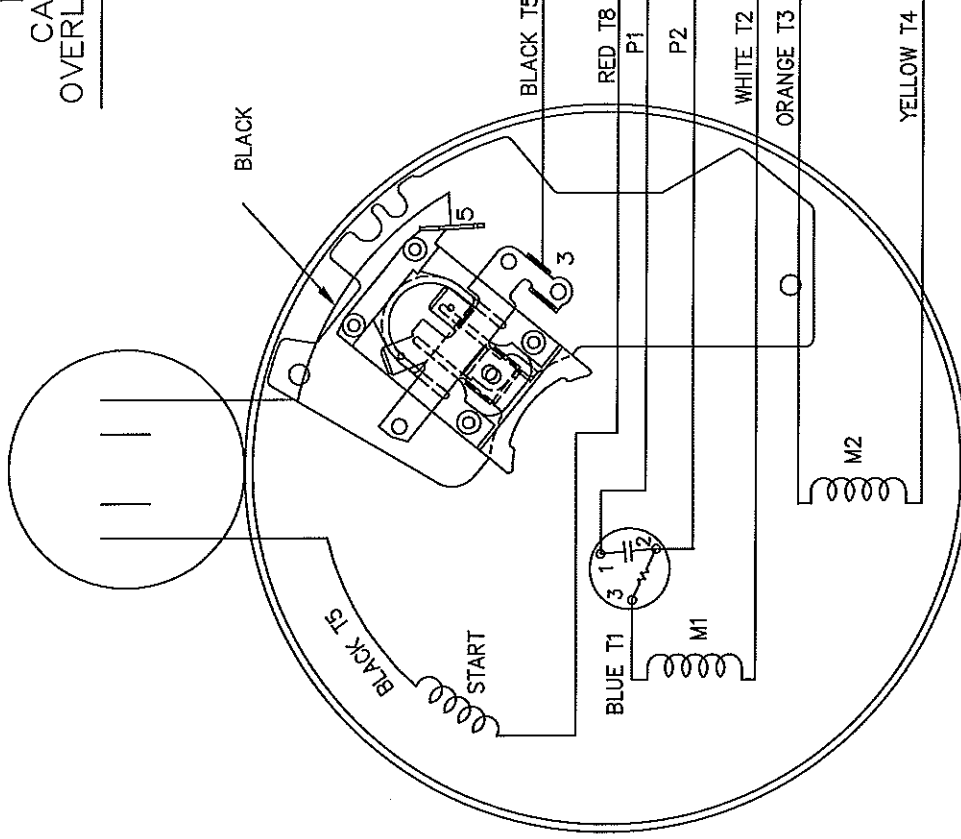
LOW VOLT. — C.C.W. ROT.



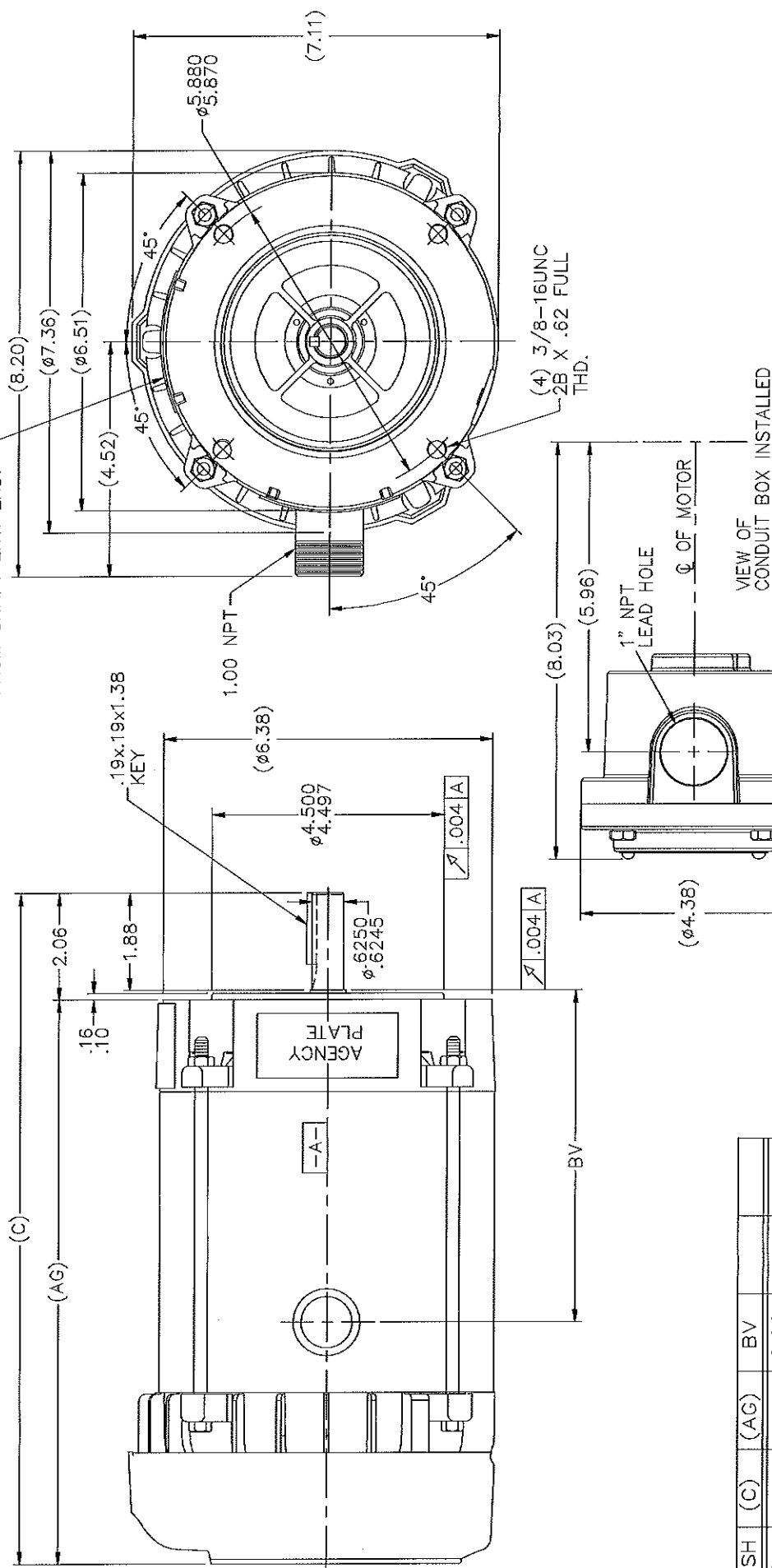
HIGH VOLT. — C.C.W. ROT.



FOR C.W. ROTATION
EITHER VOLTAGE
INTERCHANGE RED(T8)
WITH BLACK(T5) LEAD



102005-84-LE		ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN VL 08-08-2007	
				CHK	
				APPD	
				SCALE 5=8	
				REF	
				FIMF 56M1072	
				PREV	
		TITLE CONNECTION DIAGRAM		SIZE DRAWING NO. PAGE OF	
				A 102005-84-LE 1	
				REV.	
				1	
				CAD FILE 102005_84_LE	
				DIST WP	
				BY & DATE	
				JJB 09/05/2007	
				ML .XXXX ±.0005	
				CHK ANG ±7°30"	
				RFP	
				FINISH	
				MAT'L	
				TOLERANCES UNLESS SPECIFIED	
				DEC. INCHES	
				.X ±.1	
				.XX ±.02	
				.XXX ±.005	
				.XXXX ±.0005	
				REVISION	
				NO.	
				1 REV'D CONNECTION TO MATCH ROTATION ISAAC 07-2021	
				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	
				9/11/2007 8:46:21 AM -	



DASH	(C)	(AG)	BV
631	13.44	11.38	6.90
681	13.94	11.88	7.40
731	14.44	12.38	7.90
781	14.94	12.88	8.40
831	15.44	13.38	8.90
881	15.94	13.88	9.40
931	16.44	14.38	9.90
981	16.94	14.88	10.40

						TITLE		UNLESS OTHERWISE SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWING NO. 08-22-2007		
								DEC. INCHES				CHK ML 08-22-2007		
								X ±.1				APPD DK 08-22-2007		
								XX ±.03		TITLE OUTLINE - 'C' FACE		SCALE 17"=32"		
								XXX ±.005		56 FR. - EXP. P.R.		REF		
								ST XXXXX ±.0005		MATL		FINI		
								CHK ANG ±7°35"		FINISH		PREV		
								BY & DATE				SIZE DRAWING NO. PAGE OF		
								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.				CAD FILE 104188LE		
								REVISION				RFP 08-22-2007		
01		COND. BOX INSTALLED NEW UPDATED PER ECR-0044571		UD		10/20/73		ST				REV. OF		
NO.													104188LE	