

Advanced D.C. Motors, Inc.

ELECTRIC VEHICLE APPLICATIONS

CONVERSION OR ORIGINAL EQUIPMENT

12 THROUGH 25 HORSEPOWER AT 72 THROUGH 144 VOLTS
ONE HOUR RATING

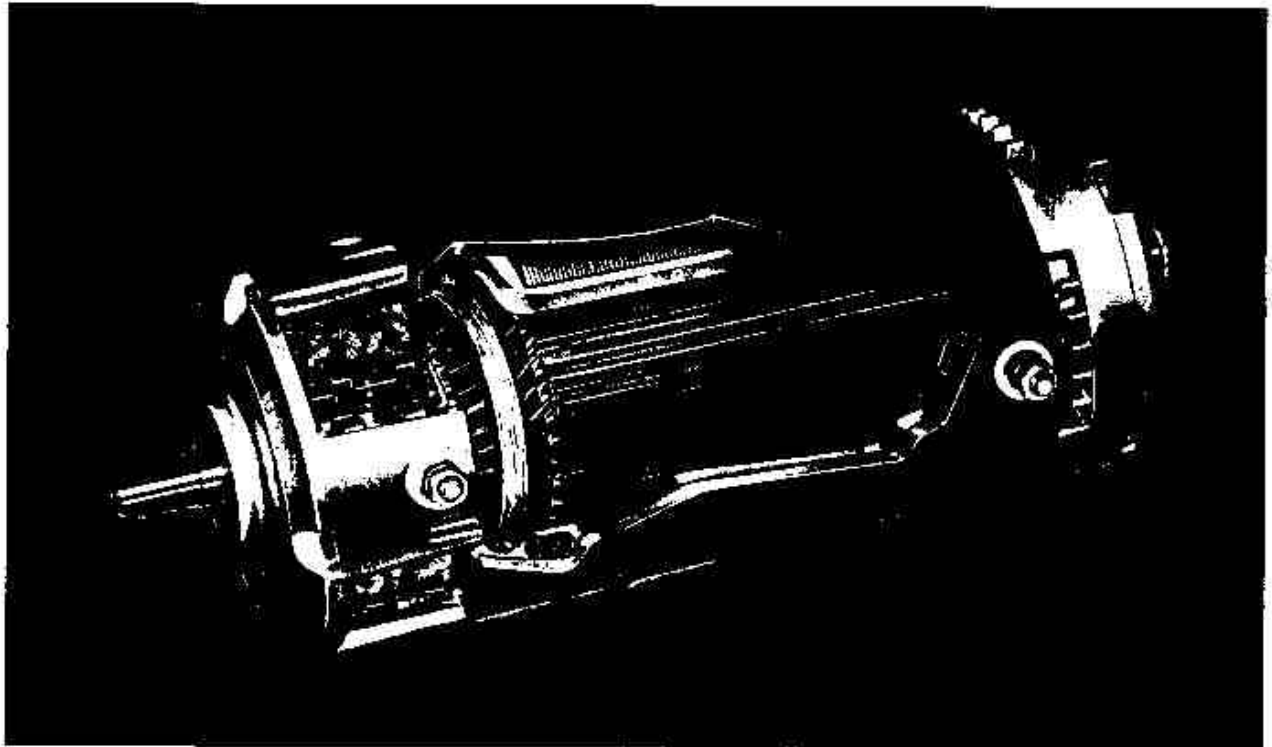
"The Engineering Service People"

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KTA SERVICES, INC.
944 West 21st Street
Upland, CA 91786
909/949-7914

MOTOR DIAMETERS

6.7" - 8.0" - 9.1"

U.L. APPROVED



6268 EAST MOLLOY ROAD • EAST SYRACUSE, NEW YORK 13057
Telephone (315) 434-9303 Fax (315) 432-9290

ELECTRIC VEHICLE APPLICATION GUIDE

S-2 THERMAL TESTS PER DIN & ISO STANDARDS

TEST VOLTAGE 96 VOLTS - .03I

120 VOLTS - .03I

144 VOLTS - .03I

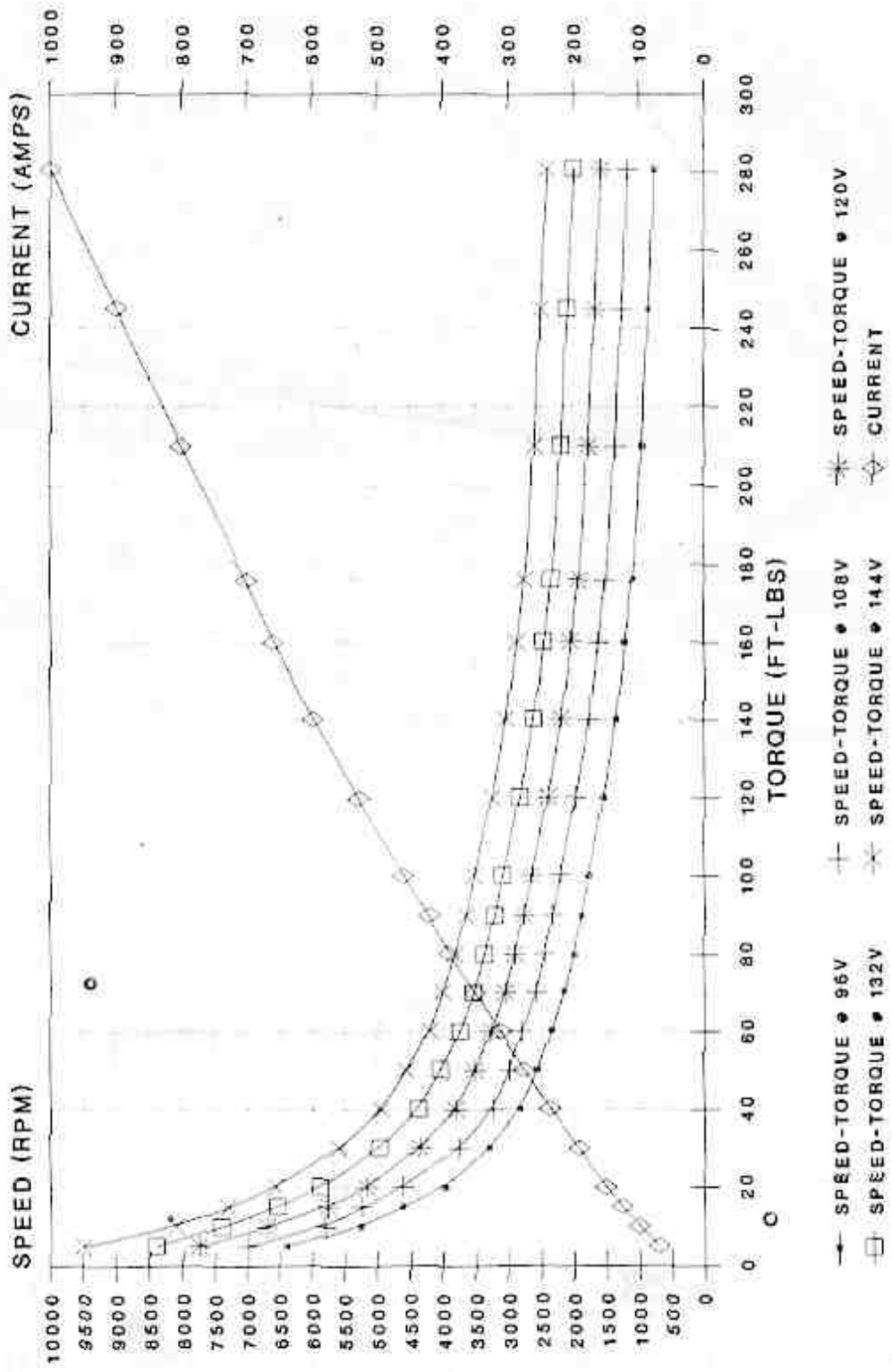
	Time - On	Volts	Amps	RPM	H.P.	KW
L91-4003 6.7" Dia. Motor Weight 82 lbs. 38 kg	5 minutes	87	280	3650	26.4	20.00
	1 hour	91	150	4950	15.0	11.40
	Continuous	92	130	5100	13.6	10.25
	Peak H.P. Developed 62					
	5 minutes	112	260	4650	31.0	23.40
	1 hour	115	135	6200	17.9	13.50
	Continuous	116	122	6500	16.0	12.00
	Peak H.P. Developed 72					
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203-06-4001 8" Dia. Motor Weight 107 lbs. 49 kg	5 minutes	86	322	3600	31.5	23.80
	1 hour	90	190	4800	20.6	15.50
	Continuous	91	178	5000	19.0	14.40
	Peak H.P. Developed 68					
	5 minutes	111	300	4650	37.0	28.00
	1 hour	114	180	6200	24.0	18.00
	Continuous	115	165	6500	21.7	16.30
	Peak H.P. Developed 83					
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FB1-4001 9.1" Dia. Motor Weight 143 lbs. 65 kg	5 minutes	88	360	3300	35.0	26.50
	1 hour	89	210	3600	23.0	17.30
	Continuous	90	190	3900	20.0	15.00
	Peak H.P. Developed 70					
	5 minutes	109	340	3520	43.0	32.50
	1 hour	114	205	4800	27.5	20.80
	Continuous	115	182	5200	25.2	19.00
	Peak H.P. Developed 35					
	5 minutes	134	320	4200	48.8	36.80
	1 hour	138	185	5700	30.4	22.90
	Continuous	139	170	6000	28.5	21.50
	Peak H.P. Developed 100					

Above motor ratings are without controller in circuit.

Updated Data
Revised Data 12-10-92

ADVANCED DC MOTORS MODEL FB1-4001

High Performance Curves for 96-144 VDC



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