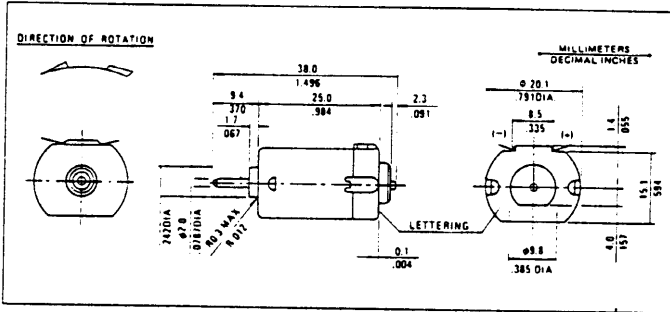
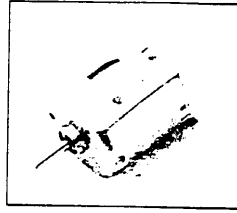


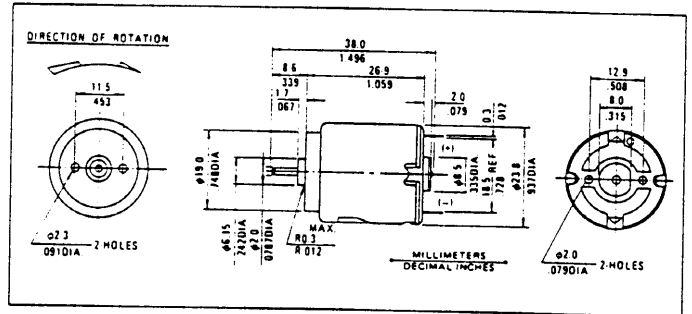
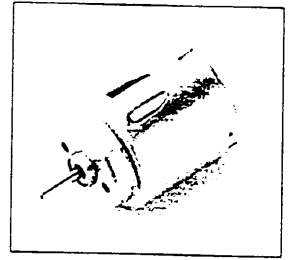
Model MM10



Order Code	Model	Operating Range	Approx Weight
450-005	MM10	1.5-3.0V	17 g

NOMINAL	NO LOAD			AT MAXIMUM EFFICIENCY				
	Constant Volts	Speed rpm	Current A	Speed rpm	Current A	Torque g-cm	Output W	Efficiency %
1.5V	8700	0.320	6500	0.76	6.2	0.41	33.9	24
3.0V	16300	0.380	12000	1.1	10.0	1.23	35.6	44

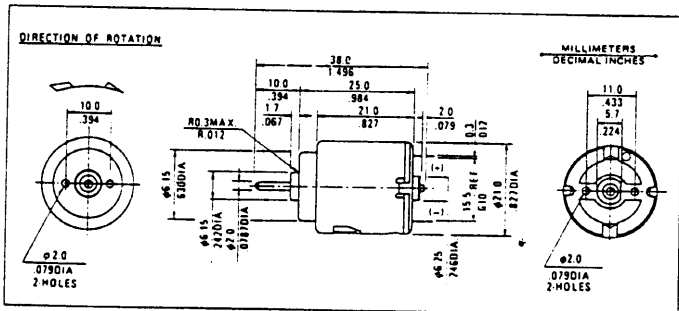
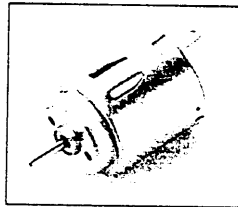
Model MM18 - Medium Torque



Order Code	Model	Operating Range	Approx Weight
450-015	MM18	1.5-4.5V	28 g

NOMINAL	NO LOAD			AT MAXIMUM EFFICIENCY				
	Constant Volts	Speed rpm	Current A	Speed rpm	Current A	Torque g-cm	Output W	Efficiency %
1.5V	3000	0.083	2300	0.26	5.2	0.14	38.3	21
3.0V	6300	0.110	4900	0.41	9.0	0.51	46.0	44

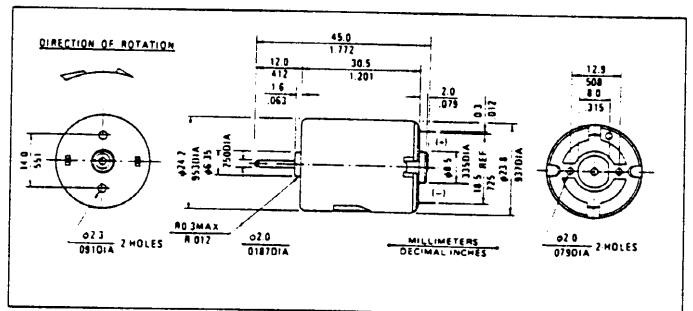
Model MM12



Order Code	Model	Operating Range	Approx Weight
450-010	MM12	1.5-3.0V	19 g

NOMINAL	NO LOAD			AT MAXIMUM EFFICIENCY				
	Constant Volts	Speed rpm	Current A	Speed rpm	Current A	Torque g-cm	Output W	Efficiency %
1.5V	7800	0.270	5800	0.77	6.9	0.41	38.5	26
3.0V	14000	0.350	10000	1.18	12.5	1.28	39.5	52

Model MM28 - High Torque



Order Code	Model	Operating Range	Approx Weight
450-020	MM28	3.0-6.0V	42 g

NOMINAL	NO LOAD			AT MAXIMUM EFFICIENCY				
	Constant Volts	Speed rpm	Current A	Speed rpm	Current A	Torque g-cm	Output W	Efficiency %
3.0V	9600	0.220	8000	0.99	20.0	1.64	55.2	112

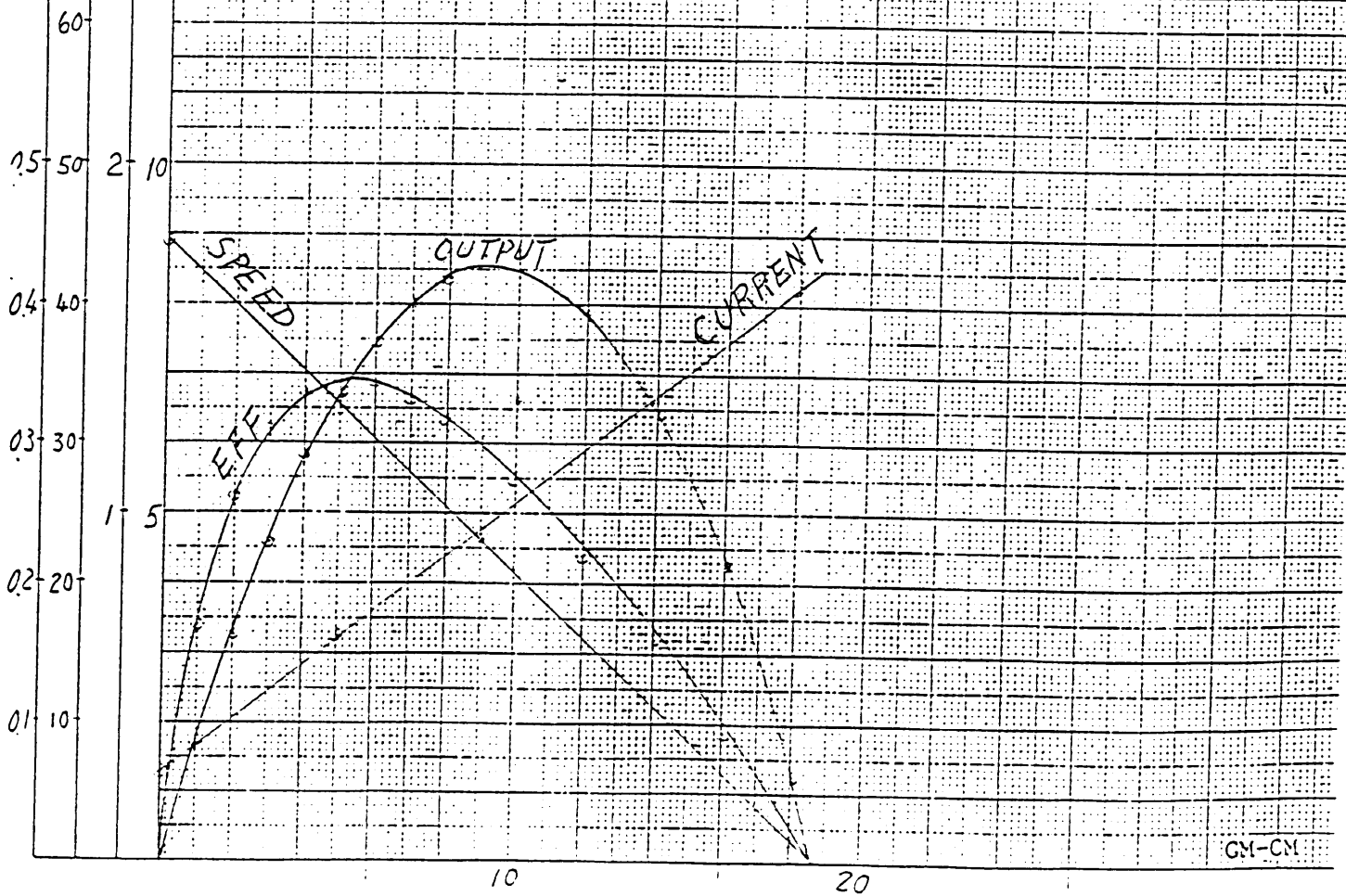
MODEL S10-2270 / 150005
 VOLTAGE 1.5

DATE 29.3.9-

OUTPUT (W)
 EFFICIENCY (%)
 CURRENT (A)
 SPEED x 1000 (RPM)

DESCRIPTION	CURRENT AMP	SPEED R.P.M.	TORQUE GM-CM	OUTPUT W	EFF. %
NO LOAD	0.26	8915			
MAX.EFF.	0.65	6534	5	0.335	34.5
MAX.OUTPUT	0.96	4629	9	0.427	29.8

J.P.R. ELECTRONICS
 Unit M1
 Kingsway Industrial Estate,
 Kingsway
 Luton, Beds. LU1 1LP

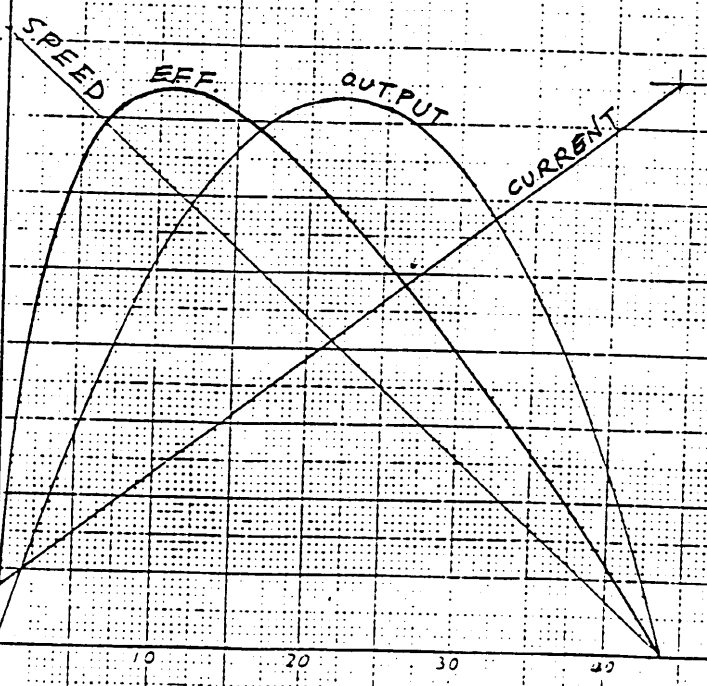


MODEL S10-2270-

VOLTAGE 3

DATE _____

DESCRIPTION	CURRENT AMP	SPEED R.P.M.	TORQUE GM-CM	OUTPUT W	EFF. %
NO LOAD	0.38	16300	—	—	—
MAX.EFF.	1.202	12380	10.57	1.34	37.25
MAX.OUTPUT	2.09	8150	22	1.84	29.33



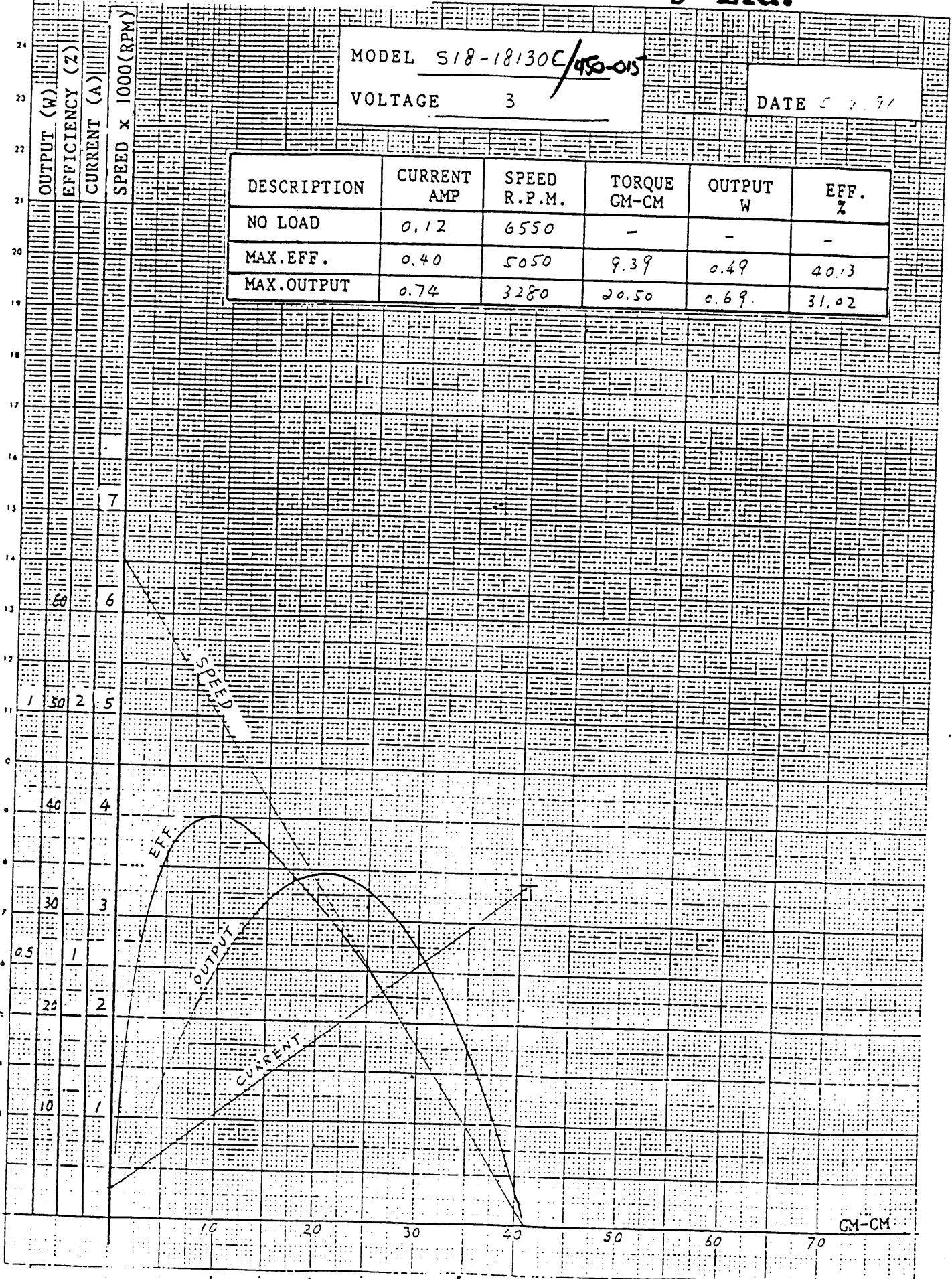
3

599-104/116/128 - **Manufactory Ltd.**

MODEL S18-18130C/450-015
 VOLTAGE 3

DATE 5.2.91

DESCRIPTION	CURRENT AMP	SPEED R.P.M.	TORQUE GM-CM	OUTPUT W	EFF. %
NO LOAD	0.12	6550	-	-	-
MAX. EFF.	0.40	5050	9.39	0.49	40.3
MAX. OUTPUT	0.74	3280	20.50	0.69	31.02

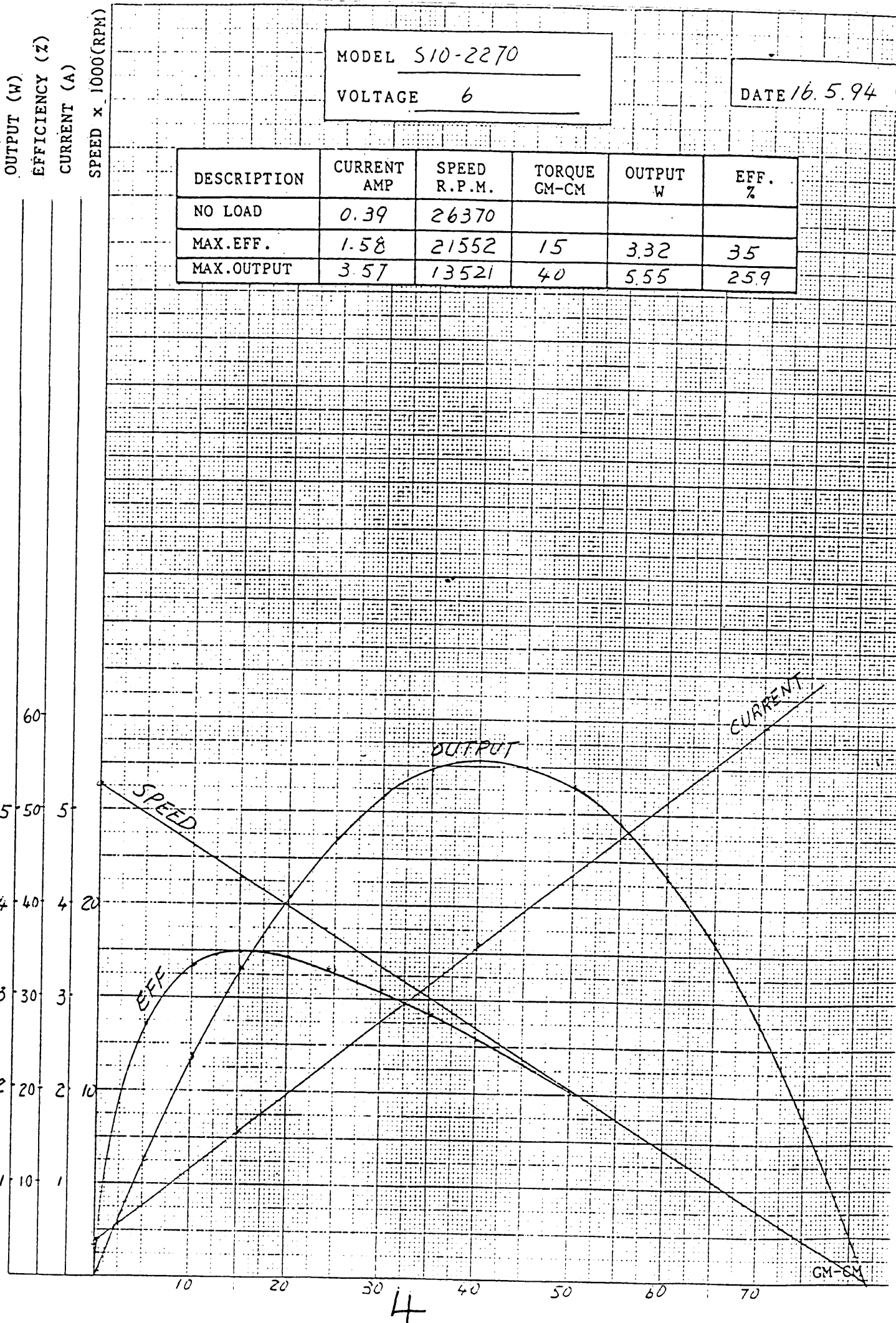


MODEL S10-2270

VOLTAGE 6

DATE 16.5.94

DESCRIPTION	CURRENT AMP	SPEED R.P.M.	TORQUE GM-CM	OUTPUT W	EFF. %
NO LOAD	0.39	26370			
MAX.EFF.	1.58	21552	15	3.32	35
MAX.OUTPUT	3.57	13521	40	5.55	25.9



4

MODEL 528-2865/450-020

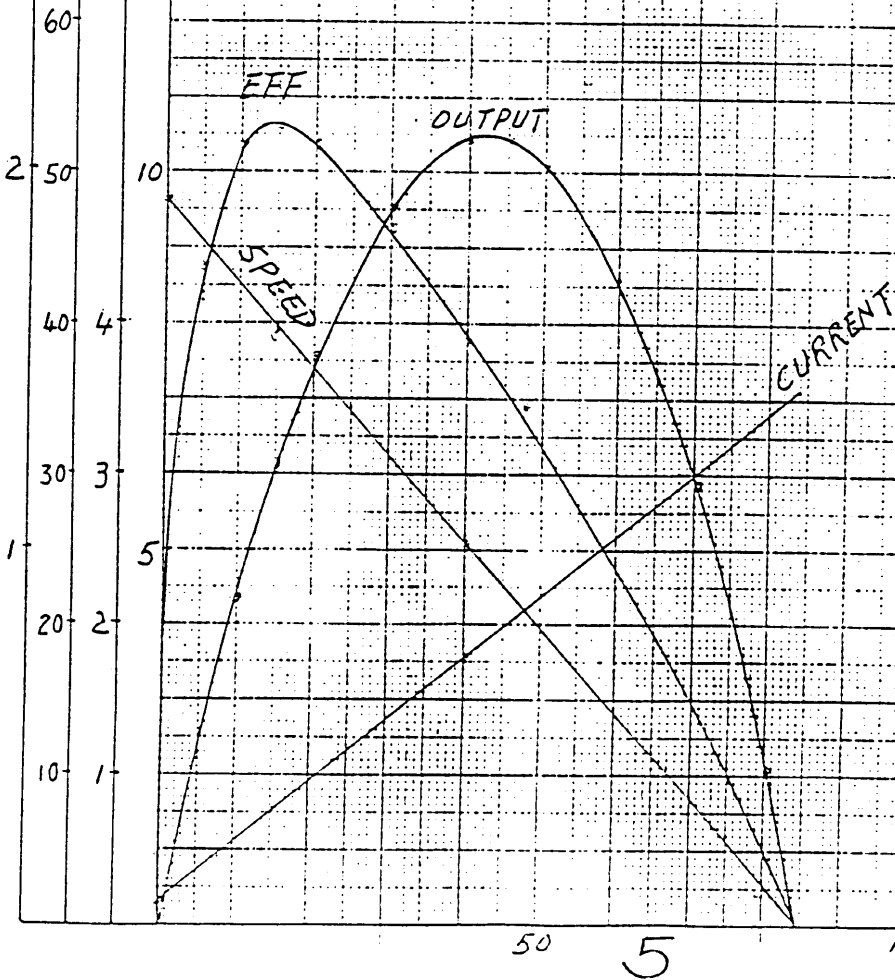
VOLTAGE 3

DATE 20.5.94

DESCRIPTION	CURRENT AMP	SPEED R.P.M.	TORQUE GM-CM	OUTPUT W	EFF. %
NO LOAD	0.15	9638			
MAX.EFF.	0.76	7926	15	1.22	53.3
MAX.OUTPUT	1.78	5072	40	2.08	38.9

OUTPUT (W)
EFFICIENCY (%)
CURRENT (A)
SPEED x 1000(RPM)

J.P.R. ELECTRONICS
Unit M.
Kingsway Industrial Estate,
Kingsway,
Luton, Beds. LU1 1LP



GM-CM

MODEL S28-2865

VOLTAGE 6

DATE 28.7.94

DESCRIPTION	CURRENT AMP	SPEED R.P.M.	TORQUE GM-CM	OUTPUT W	EFF. %
NO LOAD	0.21	17100			
MAX.EFF.	1.28	14689	26.52	4.00	52
MAX.OUTPUT	4.00	8550	94.06	8.25	34.3

