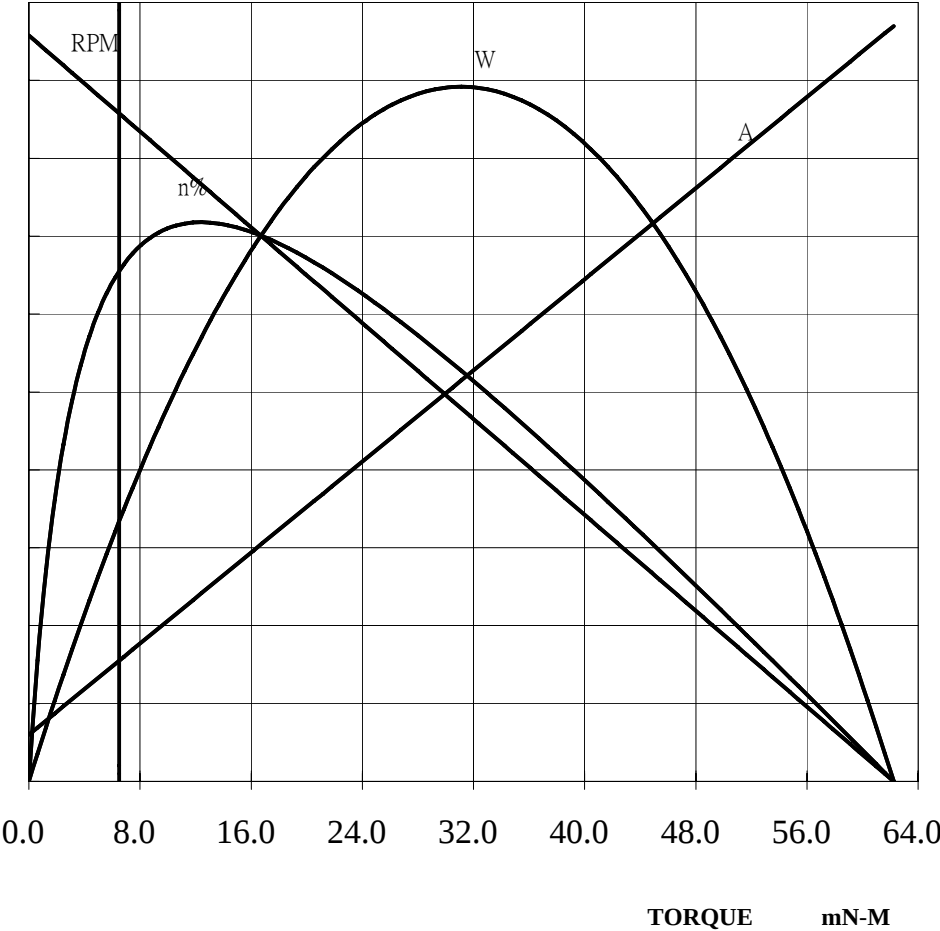


PERFORMANCE CURVE

$\eta\%$	W _o	A	RPM
100%	35	10	20,000
80%	28	8	16,000
60%	21	6	12,000
40%	14	4	8,000
20%	7	2	4,000
0	0	0	0



Revision		Date	
Model #	BY33BL29		
Series			
Customer			

Nominal voltage	Vdc	11.5
Free load speed	RPM	19,152
Free load current	A	0.60
On load torque	mN-M	6.5
On load speed	RPM	17,152
On load current	A	1.6
On load power	Watts	12
On load efficiency	%	66%
Stall torque	mN-M	62.2
Stall current	A	9.7
Max power output	Watts	31
Maximum efficiency	%	72%
Friction torque	mN-M	4.105
Velocity constant	RPM/V	1775.2
Back EMF constant	mV/RPM	0.56
Torque constant	mN-M/A	6.84