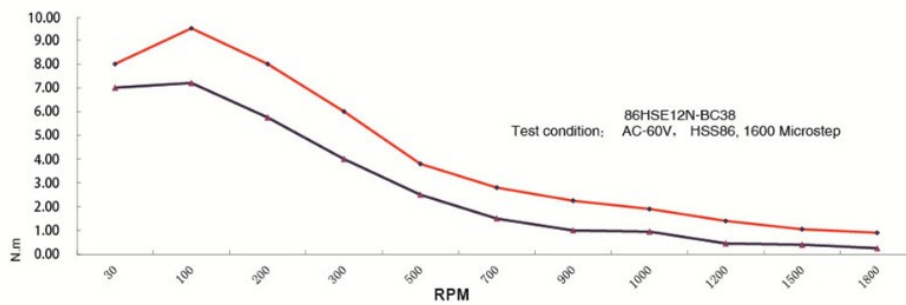
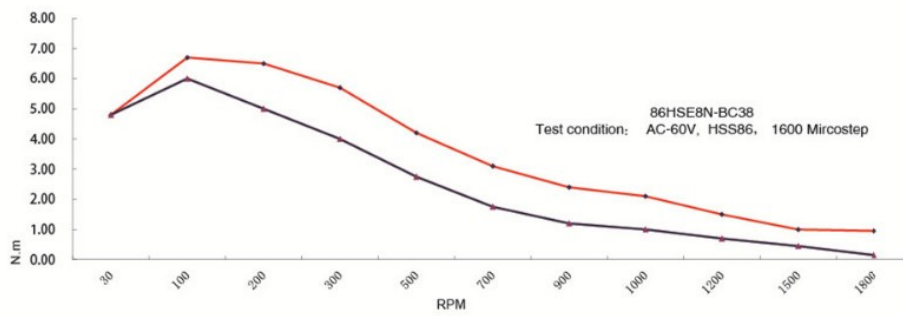
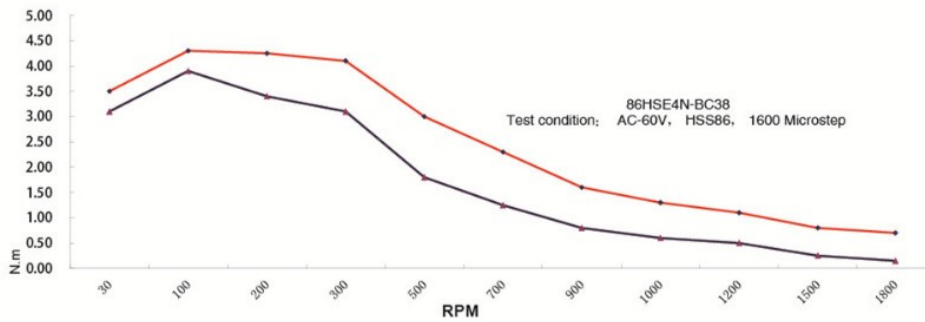


(Motor Electrical Parameters)

Model No.	Step Angle	Current (A)	Resistance ($\Omega \pm 10\%$)	Inductance (mH $\pm 20\%$)	Holding Torque(N.m)	Motor Length(mm)	Encoder Resolution(PPR)	Weight(Kg)
86HSE4N-BC38	1.8°	6.0	0.45	3.7	4.5	82	1000	2.65
86HSE8N-BC38	1.8°	6.0	0.44	3.7	8.0	118	1000	4.0
86HSE12N-BC38	1.8°	6.0	0.45	5.2	12.0	156	1000	5.65

(Torque/Frequency Curve)



Remark: Blue curve is nema34 standard stepper motor torque curve, red curve is nema34 closed loop motor torque curve.

Encoder Feedback Connector – DSub15 Female

Pin	Name	I/O	Description
1	EA+	I	Encoder channel A+ input
2	EB+	I	Encoder channel B+ input
3	EGD	GND	Signal ground
4	HW	I	Reserved
5	HU	I	Reserved
6	FG	GND	Ground terminal for shielded
7	EZ+	I	Reserved
8	EZ-	I	Reserved
9	HV	I	Reserved
10	NC	-	Not Connected
11	EA-	I	Encoder channel A- input
12	EB-	I	Encoder channel B- input
13	VCC	O	+5V @ 100 mA max.
14	NC	-	Not Connected
15	NC	-	Not Connected