

FAQ

(Frequently Asked Question)

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Sales Team



Q50. FASTECH's product is based on stepping motors which means it can't calculate Watt capacity like the servo motor. How can you provide me with the rough capacity estimation or motor size in or to replace the servo system?

Answer : As you've mentioned, the servo motor calculates by Watt. It is because the servo motor's torque is constant regardless of speed.

As for the stepping motor, it is difficult to calculate by Watt because the motor's torque varies depending on speed.

However, the capacity at each speed is needed to reveal the number of Watts. The following table is about interchangeable capacity from the servo motor to the step motor at around 1000rpm. In the case of the rpm exceeding 1000, the torque might lower below the capacity, so please be cautious of this.

Servo motor Capacity(W)	Servo motor Torque(N·m)	Ezi-SERVO Holding Torque(N·m)	Ezi-SERVO Motor size
100 W	0.32	0.65	42XL
200 W	0.64	1.5	56L
400 W	1.28	2.4	60L
750 W	2.4	7.5	86L

우리는 40년 Stepping Motor의 역사를 바꾸는 주인공입니다!!



Ezi-SERVO[®]
Closed Loop Stepping System