

■ Combination Data of Motor and Inverter

Here is an explanation of the settings and speed-torque characteristics when combining a brushless motor with an inverter. Set the parameters listed below.
Parameters for exhibiting the characteristics and for safe use are listed.

■ Combinations

Brushless Motor			Inverter INOVANCE MD600
Output Power	Motor Type	Model Name	Model Name
750W	Combination type	BL2M6750CHP-□S, BL2M6750CHP-□FRS	MD600A-2S4R6-INT (Single-phase 200-240 V type)
	Round shaft type	BL2M6750CHP-AS	

● Enter the gear ratio in the box (□) within the model name.

■ Basic Parameter Setting

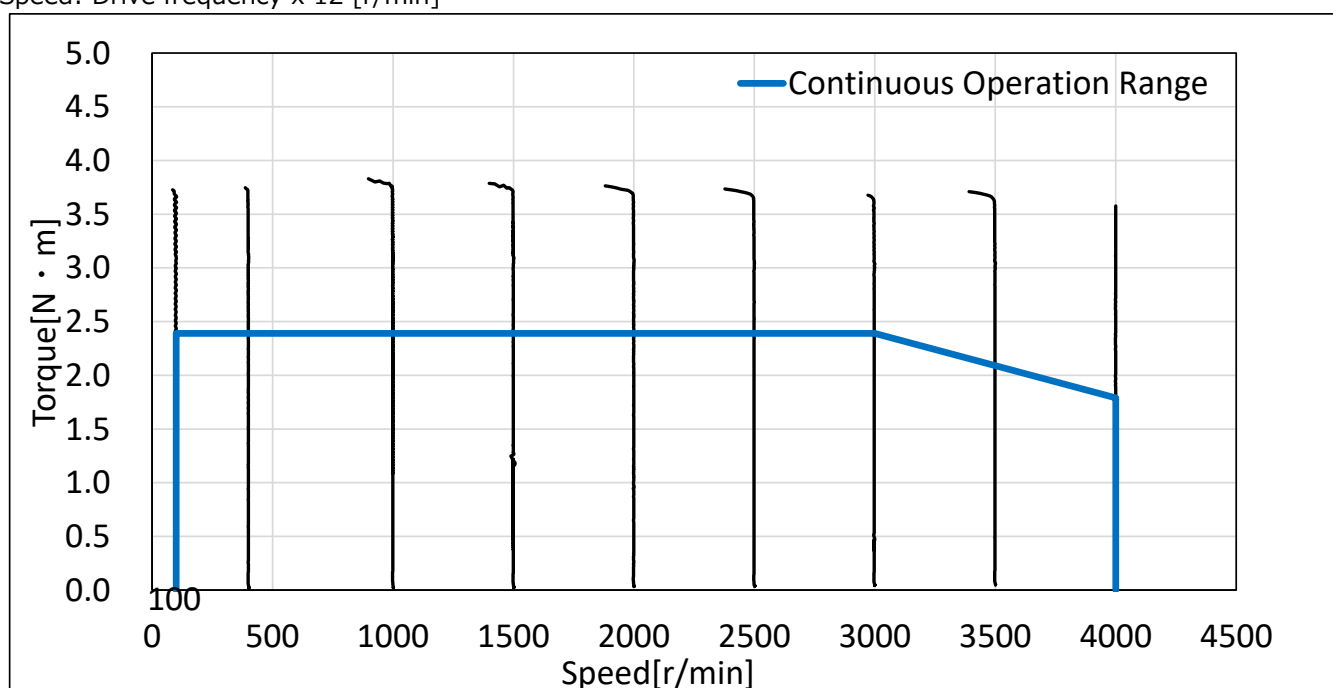
This setting assumes continuous operation of the motor (reference) and the ability to protect the motor from overheating with electronic thermal protection.

Perform auto-tuning of motor constants when combining an inverter (F1-69 : 12).

Parameter	Setting Value	Content
Motor control method	F0-01 0	Motor control mode (0: sensorless vector control)
Motor type	F1-00 2	Motor type(2:Permanent magnet synchronous motor)
Rated motor power	F1-01 0.7	Rated motor power (kW)
Rated motor voltage	F1-03 124	Rated motor voltage (V)
Rated motor current	F1-04 3.6	Rated motor current (A)
Rated motor frequency	F1-06 250	Rated motor frequency (Hz)
Rated motor speed	F1-07 3000.0	Rated motor speed (rpm)
Maximum motor frequency	F1-10 333.33	allowed maximum frequency (Hz)

■ Speed – Torque Characteristics (Reference)

Characteristics when combined with an inverter whose parameter settings have been changed. (Motor output shaft)
Speed: Drive frequency x 12 [r/min]



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