

■ 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 ABB ACS380
Output Power	Motor Type	Model Name	Model Name
750W	Combination type	BL2M6750CHP-□S, BL2M6750CHP-□FRS	ACS380-040C-06A9-2+K491 (Three-phase 230 V type)
	Round shaft type	BL2M6750CHP-AS	

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

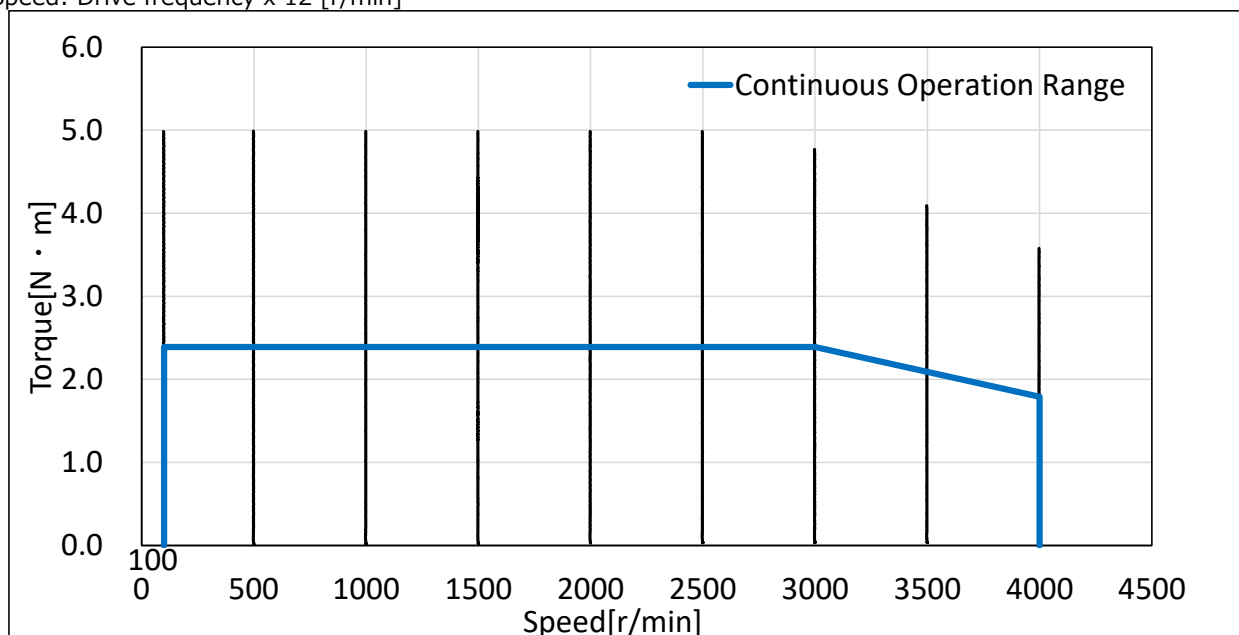
■ Basic Parameter Setting

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 (setting value: 99.13).

Parameter	Setting Value	Content
Minimum speed	30.11	-4000.00
Maximum speed	30.12	4000.00
Switching frequency reference	97.01	6
Motor type	99.03	1
Motor control mode	99.04	0
Motor nominal current	99.06	3.6
Motor nominal voltage	99.07	124.0
Motor nominal frequency	99.08	250.00
Motor nominal speed	99.09	3000
Motor nominal power	99.10	0.75
Motor nominal torque	99.12	2.390

■ 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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