

Spindle parameter table 2021/7/29

Customer :

Spindle motor : biIT 12/12000-B Drawing NcA06B-2490-B133#0101

Output Specification nameplate A06B-1230-K490#S01

Motor sensor : aiM/aiMZ 256λ

Spindle amplifier : βiSVSP 18-B Drawing NcA06B-6320-Hxx4

Additional inductance :

Parameter No.	Data
4006	00000000
4007	00000000
4008	00000000
4009	00000000
4010	00010001
4011	00011010
4012	10000010
4013	00001100
4019	00000100
4398	10000000
4400	00000000
4020	12000
4039	0
4040	4(*1)
4048	9(*1)
4080	12895
4083	30
4100	1550
4101	82
4102	1844
4103	80
4104	3500
4105	135
4106	10000
4108	0
4109	25
4110	1375
4111	355
4112	200
4113	705
4114	23040
4115	100
4116	6300
4117	90
4118	100
4119	14
4120	0
4124	24575
4127	150
4128	95
4129	0
4130	25700
4134	110
4167	0
4169	0
4334	0
4362	0
4363	0
4364	0

[Parameter setting procedure]

(1) Load parameters automatically with the model code 300.

Note) If you don't want to initialize adjusted parameters, you should not load parameters automatically.

(2) Change parameters manually according to the table.

(3) Set the sensor parameters.

(4) Power off/on to activate the SPINDLE HRV Control parameters surely.

Note (*1) The value marked with *1 in the table should be tuned according to spindle inertia and be treated as the initial value

In case of using the load meter (Normalized by cont. rated output)

- The load meter (Normalized by cont. rated output)
- Set No.4352#3=1, No.4542#7=0
- Set the values shown in the following table

No.4127	203
No.4612	11112
No.4613	9730

- Smart load meter
- No.4352#3=0, No.4542#7=1
- Set the values shown in above table (for the Load meter normalized by cont. rated output)
- And set the values shown in the following table also

No.4134	110
No.4170	405
No.4453	2000

Maximum power at acceleration(for selecting ai PS) : 16.5kW