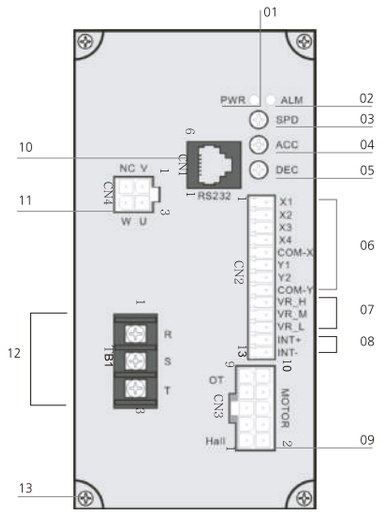
AN Series AC Power Input, Output Power 75 ~ 200W

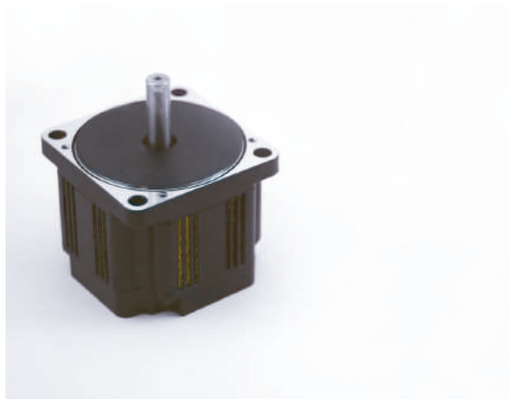
Motor Output Power	Motor Model	Driver Model	Rated Input Current (A)	Maximum Input Current (A)	Rated Torque (Nm)	Peak Torque (Nm)	Permissible Load Inertia ($J \times 10^{-4} kg \cdot m^2$)
AC110V±15% , 50Hz / 60Hz							
75W	BL90-A075-□□	AN-A075	2.06	3.3	0.24	0.38	1.29
80W	BL60-A080-□□	AN-A080	2.19	3.51	0.25	0.4	1.84
120W	BL60-A120-□□	AN-A120	3.29	5.27	0.38	0.61	2.81
150W	BL90-A150-□□	AN-A150	4.11	6.58	0.55	0.88	3.2
200W	BL90-A200-□□	AN-A200	5.47	7.9	0.63	0.91	3.2
AC220V±15% , 50Hz / 60Hz							
75W	BL90-C075-□□	AN-B075	1.03	1.65	0.24	0.38	1.29
120W	BL60-C120-□□	AN-B120	1.65	2.64	0.38	0.61	2.81
150W	BL90-C150-□□	AN-B150	2.06	3.3	0.55	0.88	3.14
200W	BL90-C200-□□	AN-B200	2.74	3.92	0.63	0.9	3.14

Names and Functions of Driver Parts



08. Control Power Output Connector
09. Motor Signal Connector [Hall]
10. Communication Connector (RS232)
11. Motor Output Connector
12. AC Main Power Input Terminals
13. Protective Earth Terminal

01. PWR LED
02. ALARM LED
03. Internal Potentiometer [SPD VR]
04. Acceleration Time Potentiometer [ACC VR]
05. Deceleration Time Potentiometer [DEC VR]
06. Input/Output Signal Connector
07. External Analog Input Connector



Variable Speed Range *1		250 ~ 3000 (4000) r/min
Speed Regulation	Load	±1% max (0 ~rated torque, rated speed, rated voltage, 25℃)
	Voltage	±1% max (voltage variaion±15%, no load, rated speed, 25℃)
	Temperature	±1% max (0 ~ 50℃, no load, rated speed, rated voltage)
Speed Control Method	2 Analog Setting *2	■ External Analog Input: ■ Internal Potentiometer (SPD VR) ・Potentiometer(20kΩ) ・External DC Voltage(0~5VDC or 0~10VDC)
	8-step Digital Setting	■ Digital Input Indexing 3 bits (M0, M1, M2).
Slow Acceleration Time		0.2 ~ 10 sec (from 0~3000 r/min, no load) (Acceleration Potentiometer(ACC VR) Setting / 1 Digital Setting)
Slow Deceleration Time *3		0.2 ~ 10 sec (from 3000~0 r/min, no load) (Deceleration Potentiometer(DEC VR) Setting / 1 Digital Setting)
Input Signal *4		■ 4 points, Input function can be setup by parameters. Activated by the photocoupler, input resistance 2.55kΩ. ■ Internal Power: 12VDC ■ External Power: 9 ~ 24VDC, 35mA ■ SINK or SOURCE connection. 1. [START/STOP] 2. [CW/CCW] 3. CW/STOP 4. CCW/STOP 5. FREE 6. STOP MODE 7. [EBA RESET] 8. ALARM RESET 9. [INT/EXT VR SEL] 10. M0 11. M1 12. M2 13. E BRAKE
Output Signal		■ 2 points. Open Collector Output. ■ External Power: 12 ~ 24VDC, 15mA max. ■ SINK or SOURCE connection. 1. Y1 : PULSE OUT 2. Y2 : ALARM OUT
Brake		Emergency Dynamic Brake. (Specific Motor Only)
Protect Function		■ Over Voltage ■ Over Load ■ Feedback Signal Fault (Hall Signal Fault) ■ Under Voltage ■ Driver Over Temperature ■ Excessive Speed ■ Over Curren ■ Motor Over Temperature ■ EEP Data Error
Operating Environment Conditions	Ambient Temperature	-20℃+50℃ (External cooling is required when the environment temperature is higher than 40℃)
	Humidity	< 85 % RH (non-condensing)
Dimension		134mm * 105mm * 67mm (without the mounting flanges)
Other Functions		-

*1. The maximum speed is limit by the selected motor. It can be set to 3000 or 4000 r/min.
*2. The default setting of External analog input voltage is 0 ~ 5 VDC. It can be set to 0 ~ 10 VDC through parameter setting. The speed control method can be selected between internal analog input and external analog input by the INT/EXT VR SEL input function during motor operation.
*3. The normal deceleration can NOT be faster than the free to stop.
*4. The function in brackets [ ] are default settings, more functions can be set through parameter setting.