

AB2 Driver/Amplifier

Power Consumption

Power Input	+24VDC ± 5%
Maximum Motor Output	280 Vrms
Power Consumption without Load	+24VDC/200 mA
Power Consumption with Maximum Load	+24VDC/5A
Input Voltage Range	±10V
Input Low Pass Filter	2.7kHz



Electrical

Supply Voltage	Current Consumption	Used When
+24 VDC ± 5%	400 mA	1 x HR1 is connected
	800 mA	1 x HR2 is connected
	1500 mA	1 x HR4 is connected
	2800 mA	1 x HR8 is connected
	300 mA	1 x ST is connected

The required power supply value should be calculated by adding the total power consumption of all the motors that are connected to the AB2 power consumption without motor (+24VDC/125 mA rms) according to the following:

- $I = 125\text{mA} + n \cdot (\text{current consumption of a single motor})$
- $n = \text{Number of motors that are connected (n= 1/2/3/4)}$

Environmental and Physical

Operating Temperature	0°C to 50°C
Storage Temperature	-40°C - 70°C
Operating Humidity	Up to 80% non-condensing
Weight	450gr

DC Mode Specifications

Switch Time Between Velocity and DC Modes	1ms
Range	± 300nm

