

# AB1A Driver/Amplifier

## Power Consumption

Power Input	+48VDC $\pm$ 5%
Maximum Motor Output	250—290 Vrms
Power Consumption without Load	+48VDC/0.125A
Power Consumption with Maximum Load	+48VDC/6.5A max
Input Voltage Range	$\pm$ 10V
Input Low Pass Filter	4kHz



## Electrical

Supply Voltage	Current Consumption	Used When
	$\leq$ 200 mA	1 x HR1 is connected
+48V $\pm$ 5%	$\leq$ 500 mA	1 x HR2 is connected
	$\leq$ 800 mA	1 x HR4 is connected
	$\leq$ 1200 mA	1 x HR8 is connected

## Environmental

The required power supply value should be calculated by adding the total power consumption of all the motors that are connected to the AB1A power consumption without motor (+48VDC/125 mA rms) according to the following:

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

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

## Physical Dimensions

Nominal Mechanical Dimensions (WxDxH)	150mm x 110mm x 40mm
Weight	450 gr
Mounting Options	Desk top / Wall mount

