

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 |

