

# HVAC LOAD CALCULATION WORKSHEET



Thank you for your interest in Air Rover's products. Please fill out the form below, **save** and send it as an **email attachment** to [info@airrover.com](mailto:info@airrover.com). You can also print and fax this form to 1-903-877-2793. Our engineers will perform a review of your information and help you determine the best-sized HVAC for your application. For any further inquiries, please call us at 903-877-3430 and an Air Rover representative will be available to assist you.

**Manufacturer of Commercial Portable Air Conditioners  
and Environmental Control Units**

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United States

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## I. CUSTOMER INFORMATION

Date

Name

Company

Address

City  State  Zip Code

Country

Phone  Fax

Email

## II. DESIGN CONDITIONS

Outdoor Design Dry-Bulb Temp. (deg F)  Targeted Temp. Range (delta T) (deg F)

Outdoor Design Wet-Bulb Temp. (deg F)  Relative Humidity (%)

Indoor Design Dry-Bulb Temp. (deg F)

## III. APPLICATION

### A. Select HVAC System Type

- Portable Air Conditioner
- Environmental Control Unit (ECU)

### C. Size of Room to be Conditioned

Length (in Feet)

Width (in Feet)

Height (in Feet)

### B. End Use (Select all that apply.)

#### Portable Air Conditioner

- Computer / Electronics Room
- Outdoor Areas / Special Events
- Office / School
- Industrial
- Outdoor Areas / Temporary
- Office / School
- Health Facility / Cleanroom
- Moisture Removal
- Other

If other, please specify

#### Environmental Control Unit

- Tent
- Shelter / Van
- Telecommunication System
- Mobile Shelter
- Aircraft Ground Support
- Office / School
- Hangar / Warehouse
- Other

If other, please specify

## IV. COOLING LOADS

### A. Room Occupancy

Number of Occupants  (If manned)

Is the room permanently occupied during working hours?  Yes  No (NOTE: Assuming 8 normal working hours)

Is the room unmanned and located at a remote site?  Yes  No

### B. Appliances

Complete the table below with all appliances to be used in the room. (i.e. computers, servers, telecom equipment, TV, etc.)

Appliance Description	Quantity	Power Rating (W)	Total Power (W)

### G. Lighting

Light Type	Quantity	Power Rating (W)	Total Power (W)

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## V. POWER REQUIREMENT

115VAC, 1 Phase, 60Hz

220VAC, 3 Phase, 50Hz

208 / 230VAC, 1 Phase, 60Hz

460 / 380VAC, 3 Phase, 60 / 50Hz

208 / 230VAC, 3 Phase, 60Hz

380VAC, 3 Phase, 50Hz

460VAC, 3 Phase, 60Hz

Other, specify

208~230VAC / 190VAC, 3 Phase, 60 / 50Hz

NOTE: The supply voltage is within  $\pm 10\%$

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## VI. ADDITIONAL INFORMATION

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