

# THUNDER SCIENTIFIC CORPORATION

The Humidity Source

## Model ACS3920

CO<sub>2</sub> Dry Air Compressor System

A Fully Enclosed Compressed Air Supply  
with Dryers & Sound Muffling Cabinet



### FEATURES

- 100 psiG Oil-Less Air Supply
- Dry Air To  $-73^{\circ}\text{C}$  Ambient Pressure Frost Point
- Sound level  $<70$  db
- Vibration Isolated Compressor
- Membrane Air Dryer
- Particulate-Filter
- Pressure Regulator and Air Gauges
- On/Off Circuit Breaker Switch
- 5' Connection Supply Tubing & Fittings
- 8' Removable AC Power Cord
- Indoor Use Only
- Dimensions L 28.95" x W 18.10" x H 14.0"
- Cabinet Weight Approximately 75 Lbs.
- Rolling/Locking Casters (Optional)

### Humidity Calibration and Measurement Instruments

### DESCRIPTION

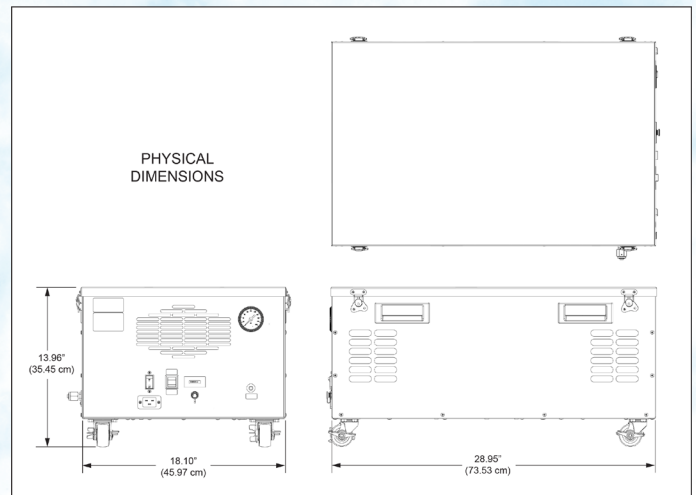
The ACS3920 Air Compressor System with integral CO<sub>2</sub> Adsorber/ Air Dryer provides a clean, dry, continuous duty gas supply for the Thunder Scientific Low Humidity Generators. The ACS3920 Air Compressor System consists of a vibration isolated oil-less compressor, membrane air dryer, CO<sub>2</sub> Adsorber/ Air Dryer, and adjustment regulators, all incorporated into a sound muffling enclosure. The ACS3920 is ideal for laboratory use due to its small size, 100 psiG pressure output at 10 L/min, with an ambient pressure  $-73^{\circ}\text{C}$  FP, 100% duty cycle capability, and a low sound level of less than 70 decibels.

### SPECIFICATIONS

The ACS3920 has a 3/4 HP oil-less air supply and can run with a continuous pressure of 100 psiG at a maximum ambient air temperature of  $-73^{\circ}\text{C}$ . This system can run at a continuous duty of up to 1,500 hours before a minor maintenance service kit is required. You can get Rolling/Locking casters (Optional).

### VOLTAGE INPUT OPTIONS

You can receive the ACS3920 system in either 115V or 230V at 50/60Hz depending on your needs.



### ORDERING INFORMATION

When ordering a new air compressor system, part number ACS3920, you will receive an extension air supply tube, a removable AC power cord and the enclosure with air compressor and dryers. Here are the part numbers for ordering the ACS3920 air compressor system. Use this part number for the 115 volt system, ACS3920-115. If you need to order a high voltage air system, specify this part number, ACS3920-230 for the 230 volt system.

## THUNDER SCIENTIFIC®

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