SPECIFICATIONS FOR MODEL MOSS33SD MOSQUITO AND SAND FLY CHAMBER

EXTERIOR
33" W x 29"D x 78.5"H with stainless steel sides/top/bottom. Casters add another 3" (installed after moving to final location). Shipping weight is 450 lbs.

INTERIOR
29"W x 27"D x 55"H of usable space with stainless steel walls/floor/ceiling. 25 c.f. capacity.

INSULATION
Up to 2" of CFC-free foamed in place polyurethane.

COOLING/HEATING/ HUMIDIFYING
Cooling is provided by a 1/3 HP hot gas bypass condensing unit that is air cooled, hermetically sealed, microprocessor controlled (adjustable) and self-contained, with permanently lubricated fan motor bearings. Oversized aluminum finned copper refrigeration coils promote rapid cool-down and tight control over selected temperature settings with R-134A as the coolant. A condensate pump removes any water that condenses on the cold coils (separate wall outlet required for pump). One 750 watt tubular electric resistance coil provides heat for temperature settings above ambient. Humidification provided by steam humidity generator.

TEMPERATURE RANGE
20-35°C, ±1.0°C measured in air at the sensor. Temperature control displays temperature to 0.1°C. Uniformity throughout chamber is ±2°C. Ambient laboratory temperature should be between 60°-80°F. Other temperature ranges are available – call for more info, 800-996-0500.

RELATIVE HUMIDITY RANGE
70-85%, ±5% at measured at sensor, with hot target humidity generator (requires water source to be ultra pure DI delivered to the chamber at 20 psi constant pressure)

TEMPERATURE FAILSAFE
High and low temperature failsafes are located inside chamber to protect product in the event of a temperature excursion.

INSTRUMENT PANEL
Temperature and humidity microprocessor controls with digital displays. Optional A/V high/low temperature alarm with failsafes/battery back-up and optional Temp 7-day chart recorder. Alarm contact for remote access to a dialer is also available.

AIR FLOW
Chamber air is drawn up through the wire shelves and along the door surface to the cooling coils, where it is conditioned to the proper temperature/RH and forced down the rear wall to the bottom of the chamber.

DOORS
Solid, spring loaded, self-closing, hinged insulated door with black aluminum frame. Optional lock.

SHELVES
Each 28.5" x 23.5" shelf has powder coated epoxy steel wire construction capable of supporting 175 lbs. of evenly distributed weight. Shelves attach to pilaster with stainless steel clips. Four shelves are included.

LIGHTS
One clock controlled vertical cool white fluorescent lamp along door and one clock controlled 15 watt incandescent light with dome for water resistance at top of chamber. Additional lights are optional.

ELECTRICAL
115 volts and 22 amps domestically. L530R receptacle needed. Heat output about 4000 BTU/hr depending on temperature/RH settings.

QUALITY CONTROL
All chambers are run for 72 hours and evaluated for overall performance prior to shipping. Checkpoints include temperature/RH regulation, verification of failsafe, alarm, and recording thermometer function, power usage, electrical ground integrity, reverse polarity, and interior/exterior structure inspection.

WARRANTY
All chambers are warranted for one year from date of shipment for parts and workmanship. The compressor motor (part only) is warranted for an additional four years from date of warranty expiration.