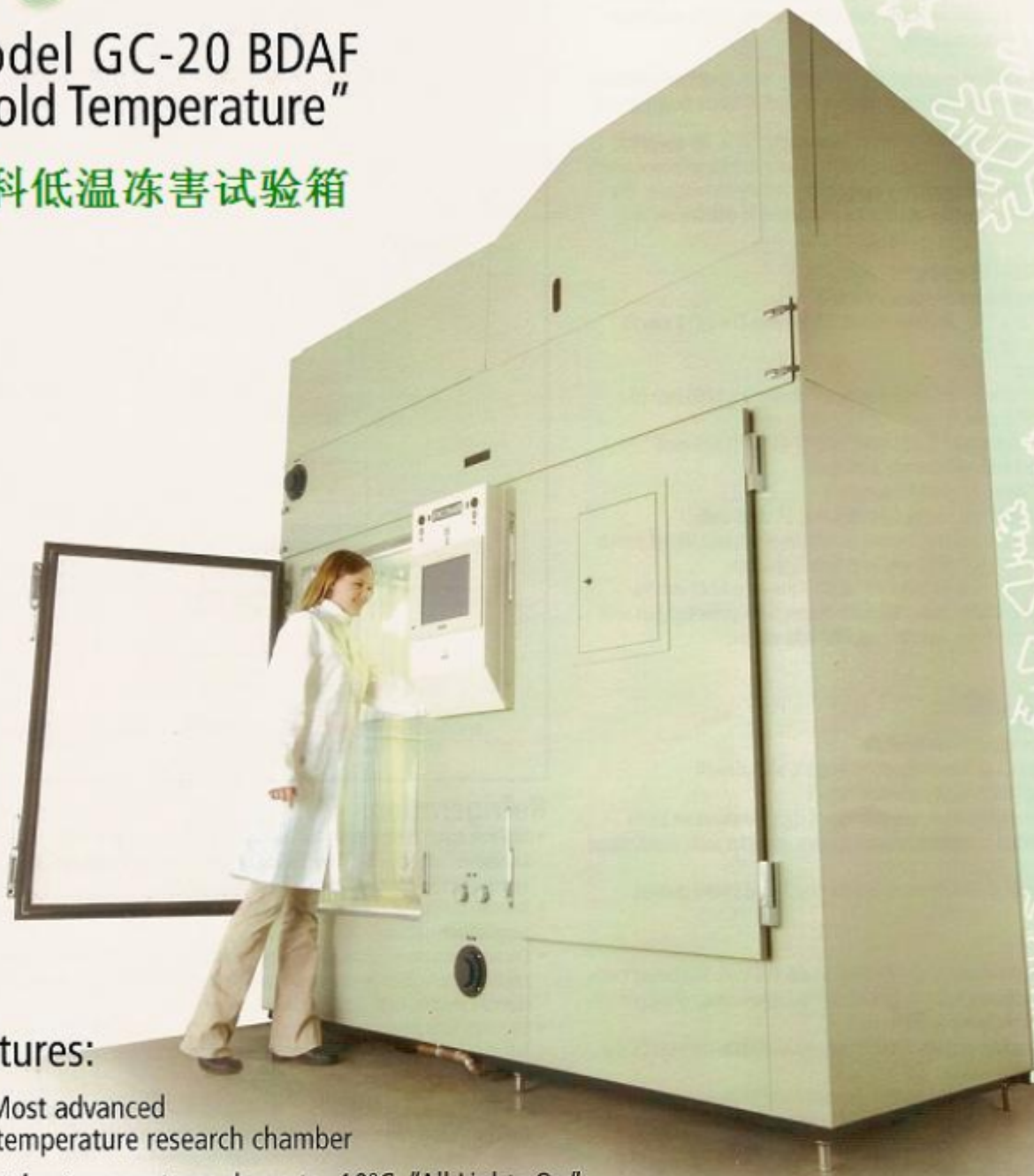


The original

"Bigfoot" Plant Growth Chambers

Model GC-20 BDAF
"Cold Temperature"

英科低温冻害试验箱



Features:

The Most advanced cold temperature research chamber

Maintains temperatures down to -10°C , "All Lights On"

Maximum Light intensity at all temperatures with separate lamp loft refrigeration and temperature control

Slide-out lamp drawer for easy maintenance

20 square feet of growth area (1.85 m^2)

ENCONAIR

ECOLOGICAL CHAMBERS INC.

It's all about quality...



上海德邻仪器设备有限公司

Chamber Controller Series 6000

Industrial grade computer with solid state flash drive, 256 megabytes ram memory, Windows® XP operating system, Ethernet LAN connection (RJ45) and active matrix color touch screen. All time, temperature, humidity and carbon dioxide scheduling done on a 12.1" color LCD touch screen. Data logging to solid state memory and graphing of controlled parameters. 100% solid state control system for increased reliability.

Controller fitted with USB port ready for use of Memory Stick to upload schedules or download data. (Memory stick capacities far exceed old-style floppy discs.)

Controller operates on an uninterruptible power supply (UPS) for operation during power failures. Controllers supplied with remote control software which allows full remote diagnostic capability by Enconair factory technicians. (No central computer or other devices need to be purchased to use this system.)

Construction – Woodless

- Exterior Dimensions (based on standard units):
101" W x 41" D x 111" H (2565 mm W x 1041 mm D x 2819 mm H)
Chamber splits at 72"
- Interior Dimensions:
95" W x 30 1/2" D x 51" H (2413 mm W x 775 mm D x 1295 mm H)
- Growth Area: 20 ft² (1.86m²)
- Growth Height: to barrier 51" (1295 mm), to grill 43 1/2" (1105 mm)
- Interior: Pre-painted high gloss white aluminum.
- Exterior: Powder Coated Painted Aluminum.
- Insulation: Non hygroscopic foamed polystyrene, 3" thick walls.
- Easy access to electrical and mechanical components through lift off panels
- Instrument Ports: Two 1 1/2" (3.81 cm) with light-tight caps.
- Doors: Reach-in (2) opening 31" W x 48" H (787 mm W x 1245 mm H).
Doors are light tight, double gasketed, with double latches for tightest seal.
- Intake and exhaust ports for conditioned, filtered fresh air.
- Adjustable shelving.

Temperature

- Designed for a maximum ambient of 35°
- Range: -10°C to 40°C all lights on, -10°C to 40°C all lights off.
- Control: PID control ± 0.5°C at aspirated sensor
- Safety Limits: independent high, low and high safety temperature limits automatically set when researcher runs a schedule. Includes audible and visual alarms.
- Aspirator: Adjustable, shielded sensor can be positioned where desired.

Lighting:

- Lamps: maximum light intensity of 990µE/m²/s with T12 VHO fluorescent bulbs together with incandescent bulbs to give a balanced spectrum for plant growth. Contact us for other lighting options.
- Lamp Heat: Refrigeration system sized to remove all heat generated by the lights.
- Separate lamp loft refrigeration system maintains optimum temperatures for maximum lamp output regardless of chamber temperature.

Electrical Service Requirements:

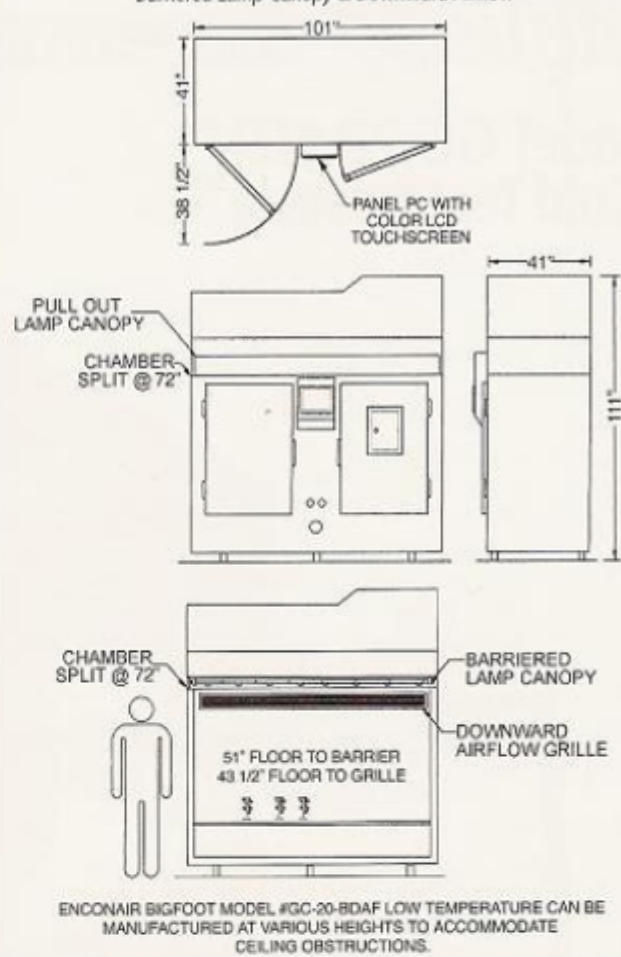
- Typically 120/208/3 phase/60 Hz/85 amps/4 wire. 50 Hz option available
- Rating may be higher with added accessories or with some light intensities

Warranty

- 2 year parts and labour.

Plant Growth Chamber - Model GC20 BDAF LOW TEMP

Barrired Lamp Canopy & Downward Airflow



Refrigeration:

- Reliable scroll compressors for both growth chamber and lamp loft. Self Contained water-cooled condensing unit with proportional hot gas bypass system for close temperature control.
- Remote air-cooled condensers are available as an option if suitable water supplies are not available.
- Enconair automatic continuous sequential defrost system, complete with reliable Staefa (Siemens) proportional valves as standard equipment. No damper motors. Real-time display of circuit operation.
- Separate independent refrigeration systems for growth chamber and lamp loft give you optimum temperature control for your research.

Air Distribution:

- Airflow through an adjustable grill across the entire width of the chamber rather than from one end, for more even temperatures in the chamber.
- Air Velocity: User adjustable to suit research requirements.
- No-maintenance air circulation fans with typical 10 year life.

Optional Accessories:

- A variety of options are available including Door Curtains, Additive CO₂, and Humidity with spray nozzles complete with automatic air purge at lower temperatures.

Our policy of continuous product improvement will occasionally result in changes to product specifications without notice.

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(中国区总代理)

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