



# HIGH CAPACITY INCUBATOR SHAKING SYSTEM

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# E6430 OVERVIEW

## High Capacity Incubator Shaking System

- ✔ Highest capacity incubator shaker on the market
- ✔ Eberbach shaker systems have uniform orbit anywhere on the top platform making it so all the flasks on shakers have uniform stroke
- ✔ Door utilizes a magnetic latching system to ensure tight seal
- ✔ Incubator Base does not require forklift for installation and can be installed on floors above ground level

Eberbach's E6430 High Capacity Shaking System utilizes integrated, independently controlled shaking or vortexing platforms with programmable speed settings.

The 12" HMI panel (equipped with Ethernet and USB ports) monitors the relative humidity, CO<sub>2</sub>, and temperature of the shaker. The data logs on the HMI and internal UPS systems provide a safeguard against power interruptions.

Customization options available. Please contact Eberbach for more information.

### CONTACT INFORMATION:

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# APPLICATIONS

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The E6430 has a stainless-steel environmental chamber with programmable temperature and CO<sub>2</sub> control. Its advanced features and capabilities make it a valuable addition to any research facility or lab.

Applications include:

- Protein Expression
- Cell Culture
- Microbiological Cultures
- Antibody Production



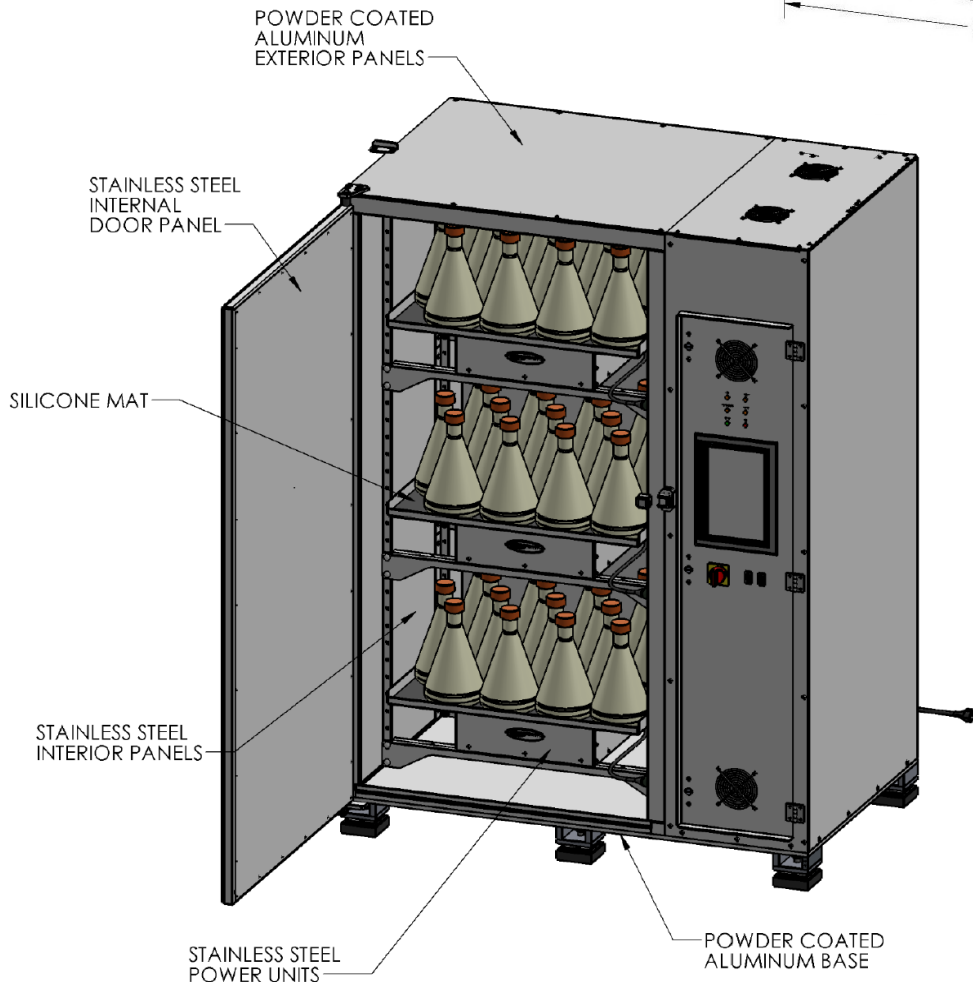
# TEMPERATURE/CO<sub>2</sub>-CONTROLLED ENCLOSURE

<b>CO<sub>2</sub> Control</b>	Accuracy: 0.2% CO <sub>2</sub> CO <sub>2</sub> measuring range: 0 to 20% Operating pressure: 15 PSI (+/-5 PSI) Max pressure: 125 PSI CO <sub>2</sub> sample port
<b>Temperature Control (Heating and Cooling)</b>	15-45° C (+/- 0.3° C)
<b>Humidity Monitoring</b>	Monitors 1% increments from 0-85% (+/- 5%) Humidity Monitoring Control optional



# MECHANICAL SPECIFICATIONS

<b>Incubator Weight</b>	Unloaded (estimated): 110lb (+/-20lb) Full loaded (estimated): 1200lb (+/-20lb)
<b>Incubator Base</b>	Forklift or pallet jack accessible from front and side
<b>Door Options</b>	Standard unit comes with solid insulated door with CO2 sample port Optional door heater Optional standard glass door Optional Blackout glass available (blocks 99% visible light and UV light)
<b>Load Capacity</b>	Removable shaker units Up to 65lb load capacity per shaker unit



# ELECTRICAL SPECIFICATIONS

## 1. Power:

- 100-120V, 60 Hz, 10A, 1-Phase
- 115V Power Cord (NEMA 5-20P)
- 208V, 230V 3 phase units available

## 2. Estimated cost of use:

- Incubator draws an estimated 960W max during operation.
- Estimated at \$120 monthly power cost. (\$0.17 / kWh power rate)

## 3. Ethernet Port for accessing ProfiNet system for network integration and remote diagnostics service

## 4. USB Port for accessing Data Logs on HMI

## 5. Washdown 12" HMI panel for machine control

## 6. Internal UPS System:

- UPS system (backup battery) keeps HMI touch screen powered for 5 minutes.
- HMI will resume all functions once power is restored or generator is activated.
- HMI will log the date and time of each power outage.

## 7. Remote diagnostic and system updates



### EBERBACH CORPORATION:

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