

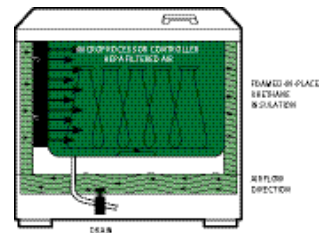
Model 435 (436) Incubator Shaker

Product Features

- Microprocessor control regulates temperature from 5°C above ambient to 60°C
- Audible/visual over and undertemperature tracking alarms ensure product protection. A separate overtemperature safety alarm with independent probe provides additional back-up
- Ergonomically designed console incorporates angled sides and lower front to provide ease of entry into the chamber area
- Lid can be opened by hand or by depressing convenient foot pedal, a key lock lid is standard
- All console shakers feature a horizontal HEPA-filtered airflow design which reduces cross contamination
- All console models feature a crevice-free stainless steel interior with coved corners for easy cleaning. A drain system with valve is located in the front of the cabinet for easy access
- All console shakers accommodate a $\frac{5}{16}$ " , heavy-duty, anodised brushed aluminum platform measuring 29.5" x 18.0"



- Access port is provided through the back of the cabinet wall for CO₂ gassing manifold, probes or other desired equipment
- Optional built-in 6", 7 day chart recorder is available
- Optional shelf provides additional storage space and convenience when switching flasks .



Model 480 (481) Incubator / Refrigerator Shaker

Product Features

- All features of Model 435 (436) plus the following:
- Microprocessor control regulates temperature from 4°C to 60°C in 0.1°C increments, control is $\pm 0.1^\circ\text{C}$
- Microprocessor allows refrigeration to be programmed at the end of the incubated run-cycle

- Internal blower circulates conditioned air throughout the chamber to ensure temperature uniformity
- Removable, cleanable, air filter safeguards against dust and dirt being drawn into the condenser.

Specification

Model	435 (436) and 480 (481)
RPM	
Speed Range	25-525 RPM*
Accuracy	± 1 RPM
Orbital Motion	25 (mm), 1.0 (in)
Indicator	LCD, readable in 1 RPM increments
Time	
Range	Continuous operation (hold) or timed from 5 min up to 200 hours
Indicator	LCD, readable in 5 min increments, counts up for continuous operation (hold) or counts down for timed operation
Temperature	
Range	435 (436): 5°C above ambient to 60°C 480 (481): 4°C to 60°C (39°F to 140°C)
Control	$\pm 0.1^\circ\text{C}$
Uniformity	$\pm 0.2^\circ\text{C}$ at 37°C (in flask)
Indicator	LCD, readable in 0.1°C increments

Ambient Operating Conditions

Temperature	15°C to 32°C (59°F to 89.6°F)
RH	80% RH at or below 31°C (87.8°F), decreasing linearly to 50% RH at 40°C

Platform

Size	749 x 457 (mm), 29.5 x 18.0 (in)
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Dimensions H x W x D

Exterior	1026 x 1143 x 762 (mm), 40.4 x 45.0 x 30.0 (in)
With Lid Open	1575 x 1143 x 808 (mm), 62.0 x 45.0 x 31.8 (in)
Interior	470 x 871 x 536 (mm) 18.5 x 34.3 x 21.1 (in)

Power Requirements

435/480	120V, 60 Hz, 8.6 FLA (Operating range 108-132V)
436/481	230V, 50/60 Hz, 9.0 FLA (Operating range 208-253V)
Electrical Plug	115V: NEMA 5-15P Plug, 230V: Plug

Net Weight kg (lbs)

435/436	263.1 (580)
480/481	288.0 (635)

Ordering Information

Cat No.	Description
435	Console Incubator Shaker
436	Console Incubator Shaker
480	Console Incubator / Refrigerated Shaker
481	Console Incubator / Refrigerated Shaker

Power Requirements

120V, 60 Hz, 8.6 FLA (Operating range 108-132V)
230V, 50/60 Hz, 9.0 FLA (Operating range 208-253V)
120V, 60 Hz, 8.6 FLA (Operating range 108-132V)
230V, 50/60 Hz, 9.0 FLA (Operating range 208-253V)

Note :- Specification based on nominal voltages of 115/230V in ambients of 22°C to 25°C. Continuing research and improvements may result in specification changes at any time, Performance plus or minus the least significant digit unless otherwise specified

* Maximum 400 RPM for 24.0 x 18.0 (in) 610 x 457 (mm) and 36.0 x 24.0 (in) 914 x 610 (mm) platforms