

## **GYROMAX™ 767R and 777R ORBITAL INCUBATOR SHAKERS WITH REFRIGERATION**

***Incubate And Shake It To The Max...With GYROMAX!***



The GYROMAX™ 767R and 777R orbital incubator shakers are chest-type incubator shakers with refrigeration that are mounted on caster wheels. The double-walled construction, with 1.25" of insulation and a triple-paned, evacuated viewing glass window, minimizes heat loss. This construction, together with an efficient circulation system, ensures unrivaled optimum temperature uniformity throughout the chamber. The temperature is microprocessor-controlled and is monitored accurately by a platinum RTD. It is set digitally and reproducibly from a membrane keypad and displayed by an LED to 0.1°C. The working temperature is from about 4°C to 80°C. Over-temperature cutoff devices protect the chamber from accidental overheating. A timer is programmable up to 99 hours.

A large, quiet fan ensures air and temperature uniformity throughout the stainless steel chamber. A brushless, maintenance-free drive motor generates speeds from 25 to 400 RPM that is displayed digitally. It also incorporates a built-in fan for operating at a low temperature, thereby prolonging the life of the motor. A triple-eccentric drive with counter-balancing weights provides smooth and quiet shaking. The shaking stops when the door is opened. The chamber is constructed of stainless steel. The chamber lamp is turned on and off with a switch on the control panel. The platforms can accommodate Erlenmeyer flasks up to 6 liters.

Accessories include platforms, clamps, tube racks and holder, a micro plate holder and spring racks. Platform holes are drilled to accommodate the different clamps purchased. The spring rack is designed for holding tubes in a horizontal, angled, or upright position. It can also be used to hold flasks up to 1-liter without the need for clamps. The rack consists of a 2-tier grid of springs. The distance between the racks is adjustable so as to accommodate tubes and flasks of different heights. It is mounted on to the platform by four screws.

***Amerex Instruments, Inc.***

## SPECIFICATIONS: GYROMAX™ 767R and 777R INCUBATOR SHAKERS

<b>Temperature Range</b>	About 4°C to 80°C	
<b>Temperature Control</b>	Auto-tune PID microprocessor temperature controller, Pt RTD sensor	
<b>Temperature Display</b>	Digital to 0.1°C	
<b>Accuracy/Uniformity</b>	±0.1°C/±0.5°C at 37.0°C	
<b>Insulation</b>	1.25" all around chamber	
<b>Viewing Window</b>	Triple-pane, 1.25" (30mm) thick	
<b>Spring Rack</b>	Accommodates accessory spring racks that can shake flasks up to 1-L (for full size spring racks) without the use of clips or clamps as well as micro plates and 15-mL or 50-mL tubes placed horizontally, vertically, or at 45° to the platform	
<b>Drive</b>	Dynamically balanced triple-eccentric drive for stable shaking without the need for adjustments as the load changes	
<b>Motor</b>	Maintenance-free, brushless motor with a built-in cooling fan for longer life	
<b>Compressor</b>	¼ HP, R134a refrigerant	
<b>Speed Range</b>	20 to 400 RPM with standard 1" (25mm) orbit	
<b>Speed Display</b>	Digital LED, speed measured directly with a speed sensor	
<b>Timer</b>	Programmable up to 99 hours	
<b>Chamber Material</b>	Stainless steel	
<b>Overall Dimensions</b>	43"W x 24.7"D x 36.6"H (1094mm x 629mm x 930mm)	51.6"W x 30.0"W x 36.6"H (1310mm x 760mm x 930mm)
<b>Chamber Dimensions</b>	33.8"W x 22.0"D x 19.7"H (860mm x 560mm x 500mm)	40.9"W x 28.0"D x 19.7"H (1040mm x 710mm x 500mm)
<b>Platform Dimensions</b>	30"W x 18"D (780mm x 460mm)	38"W x 24"W (960mm x 600mm)
<b>Power Source</b>	120V, 50/60Hz, single phase, 15A (220V available)	

### Flask Capacity

Flask Size (mL)	25	50	125	250	500	1000	2000	2800	4000	6000
<b>Model 767R</b>	144	112	60	40	24	15	12	6	6	6
<b>Model 777R</b>	198	160	104	70	40	24	15	8	8	8

**Amerex Instruments, Inc.**

P.O. Box 787, Lafayette, CA 94549  
 Tel: (888) 263-7392 FAX: (925) 299-0745  
 E-mail: [marketing@amerexinst.com](mailto:marketing@amerexinst.com)  
 Web: [www.amerexinst.com](http://www.amerexinst.com)