



## Orbital lab shakers

# Thermo Scientific IntelliStack Incubator Shakers and CO<sub>2</sub> Incubator Shakers

## Stack. Set. Shake

Count on Thermo Scientific™ IntelliStack™ Incubator Shakers and CO<sub>2</sub> Incubator Shakers to provide accurate, adjustable and reproducible growth conditions for your mammalian, bacterial and yeast cell culture and other applications. Whether you need one unit or multiple, you can customize your setup according to your workflow requirements and processing volume as your needs evolve. See for yourself how this fully integrated shaking solution with touchscreen environmental control features stacks up.

## Experience next-level shaking versatility and control

### Intuitive touchscreen display

- Large, easy-to-use 10 in. color touchscreen interface
- Real-time monitoring of key parameters

### Enhanced sample security

- User access control to allow only authorized individuals to make changes to critical parameters
- Data, alarm, and event logging with export via USB or ethernet

### Large capacity

- Inner chamber (39.6 x 27.2 x 13.7 in.) capable of shaking up to 18 of the 5 L flasks when 3 units are stacked
- Stack up to three IntelliStack Incubator Shakers using supplied components

### Easy-to-use design

- Interior bidirectional LED lighting for easy viewing of samples without opening the door
- Easy to clean rounded corners

### Efficient and quiet operation

- Designed to keep the noise level below 60 dB
- All units include hydrocarbon refrigerant with low energy consumption

## Product specifications

Parameter	Specifications
Speed range 25 mm orbit	30 to 350 rpm
Speed range 50 mm orbit	30 to 300 rpm
Speed accuracy	1 rpm
Temperature range	4–60°C
Temperature accuracy	0.1°C
Temperature uniformity at 37°C	±0.3°C
Temperature recovery time at 37°C	≤6 min
CO <sub>2</sub> Control range	0 to 20%*
CO <sub>2</sub> Sensor	IR*
CO <sub>2</sub> Display accuracy	0.10%*
CO <sub>2</sub> Control accuracy	±0.2%*
CO <sub>2</sub> Recovery time	≤6 min
Humidity range	Ambient to 90% RH
Platform dimensions	900 x 560 mm; 35.4 x 22.0 in.
Max load	20 kg
Noise Level	≤60 dB
Internal dimensions (W x D x H)	1005 x 690 x 347 mm; 39.6 x 27.2 x 13.7 in.
External dimensions (W x D x H)	1400 x 886 x 680 mm; 55.1 x 34.9 x 26.8 in.
Net weight	270 kg; 595.2 lb.

\*CO<sub>2</sub> control features only available on Thermo Scientific IntelliStack Incubator Shaker

## Ordering tables

### IntelliStack Incubator Shaker specifications

Orbit (mm)	Voltage	Swing door direction	Catalog No.
25	120V, 50/60 Hz	Downswing door	<b>24A00J551</b>
25	120V, 50/60 Hz	Upswing door	<b>24A00J552</b>
25	220V, 50/60 Hz	Downswing door	<b>24A00J555</b>
25	220V, 50/60 Hz	Upswing door	<b>24A00J556</b>
50	120V, 50/60 Hz	Downswing door	<b>24A00J553</b>
50	120V, 50/60 Hz	Upswing door	<b>24A00J554</b>
50	220V, 50/60 Hz	Downswing door	<b>24A00J557</b>
50	220V, 50/60 Hz	Upswing door	<b>24A00J558</b>

### IntelliStack CO<sub>2</sub> Incubator Shaker specifications

Orbit (mm)	Voltage	Swing door direction	Catalog No.
25	120V, 50/60 Hz	Downswing door	<b>24A00J543</b>
25	120V, 50/60 Hz	Upswing door	<b>24A00J544</b>
25	220V, 50/60 Hz	Downswing door	<b>24A00J547</b>
25	220V, 50/60 Hz	Upswing door	<b>24A00J548</b>
50	120V, 50/60 Hz	Downswing door	<b>24A00J545</b>
50	120V, 50/60 Hz	Upswing door	<b>24A00J546</b>
50	220V, 50/60 Hz	Downswing door	<b>24A00J549</b>
50	220V, 50/60 Hz	Upswing door	<b>24A00J550</b>

**For Laboratory Use. It is the customer's responsibility to ensure that the performance of the product is suitable for customers' specific uses or applications.**

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