

## 2 SPECIFICATIONS

<b><i>Innova 4200 Incubator Shaker</i></b>		
<b>Cabinet</b>	<b>construction</b>	Heavy gauge stainless steel
	<b>door</b>	26 3/8"H x 22"W (670 mm x 559 mm)
	<b>double paned glass window</b>	19 1/4"H x 11 3/8"W (489 mm x 289 mm)
	<b>fluorescent light</b>	13 watt—provides illumination inside chamber
	<b>shelves</b>	2 Stainless Steel 20"W x 20"L (508 mm x 508 mm)—adjustable—(1/2" (12.7 mm) centers)
	<b>internal AC receptacle</b>	200W AC—waterproof w/ mating connector—can be used w/ magnetic stirrer, spinner flask, rocker, roller & shakers
<b>Dimensions</b>	<b>platform</b>	18"W x 18"L (457 mm x 457 mm)
	<b>overall†</b>	24.4"W x 28.7"L x 36.4"H (620 mm x 729 mm x 925 mm)
	<b>chamber</b>	20 1/2"W x 20 1/2"L x 24.8"H (520 mm x 520 mm x 630 mm)
<b>Electrical</b>	1200 Watts—120/100/200/240V—50/60Hz	
<b>Indicator</b>	3 digit LED	
<b>Recorder Output</b>	Two 0-5 Volt—tracks temperature & speed w/ optional recorder	
<b>Shaking</b>	<b>alarm</b>	Audible & visible indicates when speed deviates $\pm 5$ rpm—audible alarm can be deactivated
	<b>control</b>	$\pm 1$ rpm—acceleration control minimizes splashing caused by sudden starts and stops
	<b>display</b>	1 rpm increments
	<b>drive</b>	Triple-eccentric counterbalanced drive w/ 9 sealed for life, ball bearings
	<b>motion</b>	3/4" (19 mm) circular—standard 1" (25.4) optional
	<b>motor</b>	1/15 HP, 3-phase solid-state, brushless ball bearing DC motor
	<b>range</b>	25–400 rpm, 25-300 rpm for stacked unit
	<b>timer</b>	Programmable shaking continuous $\rightarrow$ 99.9 hours—setable in 0.1 hr. increments—alarm sounds at end of shaking period
<b>Safety</b>	<b>automatic restart</b>	Setpoints & operating status retained by non-volatile memory—auto restart after power is restored
	<b>door interlock</b>	Shaker shuts off when door is open
	<b>unbalanced/ overload sensor</b>	Limits speed automatically when unbalanced or overload condition is detected
	<b>chamber temperature</b>	Heater shuts off if temperature exceeds operating range

† 51.2 (130 cm) front to back w/ door open

<b>Innova 4200 Incubator Shaker</b>		
<b>Options</b>	<b>stacking kit</b>	Provides stacking for up to (2) Innova 4200 shakers
<b>Temperature</b>	<b>alarms</b>	Audible & Visual—when temperature deviates > 1.0°C—audible alarm can be deactivated
	<b>ambient</b>	15–35°C/Humidity—up to 90% non-condensing
	<b>control</b>	±0.1°C
	<b>heaters</b>	Resistance w/ high temperature safety cutoff
	<b>range</b>	5°C above ambient to 75°C (50 Hz units) or 80°C (60 Hz units)
<b>Weight</b>	<b>uniformity</b>	±.3°C NOM.
	<b>net</b>	275 lb. (125 kg.)
	<b>gross</b>	335 lb. (152 kg.)



**CAUTION!**

Do not set the temperature above:

- 75°C for 50 Hz units
- 80°C for 60 Hz units.