

# DIURNAL INCUBATORS

6012, 6022 & 6042 SERIES



**laftech**

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Accredited Laboratory

**CARON**  
*Opening Doors for Scientists*

# CUSTOMER DRIVEN DESIGN

RELIABLE, BEST IN CLASS INCUBATORS



The interior is easily removed without tools! This feature includes a unique stainless steel latch that snaps interior components in place. The entire interior is removed in a matter of minutes.

## Snapshot of size differences

Model	Capacity	Dimensions
6012	10 cu. ft. 283 Liters	44.5" wide 31.7" deep 37" high
6022	25 cu. ft. 708 Liters	35.5" wide 33.3" deep 77.1" high
6042	33 cu. ft. 934 Liters	35.5" wide 33.3" deep 90.1" high



Model 6042

Model 6022

Model 6012

Caron's Diurnal Incubators offer more than the typical competitive models – these high-tech, reliable units are loaded with earth friendly and customer driven innovations. Our Diurnal Incubator's fluorescent lighting, light tight door cover and full temperature range allows you to simulate specialized environments for your research needs. These units are ideal for a wide range of applications.

Our Diurnal Incubators come in 10, 25 and 33 cu. ft. sizes, and are all designed to take up a minimal footprint, allowing you to most efficiently take advantage of your laboratory floor or bench space. Multiple optional accessories are available, allowing you to cost-effectively customize the unit according to your requirements.

**Model 6012** is our 10 cu. ft. unit. It comes standard on leveling feet and fits on a benchtop. These units are stackable and are ideal in a situation where two different setpoints are required or where multiple researchers need their own unit.

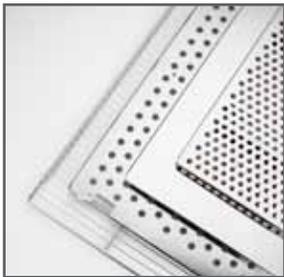
**Model 6022** is our 25 cu. ft. unit. It comes standard on heavy-duty casters and is designed to roll through a standard three foot doorway without modification, making installation and relocation easy.

**Model 6042** is our 33 cu. ft. unit. It comes standard on heavy-duty swivel casters for easy relocation and is designed for applications demanding large capacity. This unit boasts 33 cu. ft. of high volume testing capacity, giving you 30% more interior space than the Model 6022 in the same small footprint.

# FEATURES & BENEFITS

## AT A GLANCE STANDARD FEATURES

- **gLux™** energy efficient, high output lighting comes standard in the Diurnal Incubators. These lights are 65% brighter and last up to twice as long as other light fixtures. **gLux** is modular, expandable and waterproof. The light package includes a cycle timer for day/night temperature settings.
- The light tight door cover effectively keeps internal lighting conditions independent of room influence.
- The Diurnal Incubators offer a full temperature range of 5°C to 70°C. Our robust refrigeration system is reliable for years of trouble-free operation at a continuous 24/7 setpoint with no defrost cycle or temperature spikes.
- **gROD™**, Refrigeration on Demand, efficiently manages power consumption and saves electricity by delivering refrigeration on an as-needed basis only, contributing to lower utility bills.
- Units are energy efficient with built-in foam insulation, blower motor and refrigeration system, allowing the unit to operate on a standard laboratory outlet, lowering operating costs.
- Our “tool-less” removable interior minimizes downtime for cleaning and allows you to change the interior configuration for your application.
- Tight temperature control of  $\pm 0.1^{\circ}\text{C}$  is achieved with microprocessor-based PID controllers for excellent stability and reliable, repeatable results.
- Two ports on the Models 6022 and 6042, and one on the Model 6012, make validation easy and provide you with convenient access to connect instrumentation.
- Caron’s carefully designed horizontal airflow system generates evenly distributed airflow across all shelf locations. Temperature uniformity and rapid recovery are maintained even under heavy loads.
- The stainless steel shelves are adjustable and perforated, making them easy to clean and highly resistant to corrosion. These shelves also slide so whether testing samples or heavy equipment, it is easy to access all product inside.
- Caron’s 10 cu. ft. Incubators come standard on leveling feet, which make them ideal for a sturdy benchtop application. These units are also stackable for added convenience.
- The 25 cu. ft. Incubators come complete with factory-installed heavy-duty swivel casters and leveling feet, and these units will roll through a standard 34” x 80” doorway without modification.
- The 33 cu. ft. units are designed for applications requiring high volume testing, and come standard with swivel casters and leveling feet, which aid in installation and relocation in and around your laboratory.
- Dual temperature display allows you to simultaneously visualize setpoint and operating conditions.
- The interior is comprised of stainless steel, which is highly resistant to corrosion.
- Audible and visual alarms alert of a temperature deviation from setpoint or high limit exceeded for the most accurate test results.



Shelving options shown. Perforated shelves come standard. Also available are optional solid and wire rod shelving. All shelves slide and are fully adjustable.



6”, 7 Day, 24 Hour, front mounted, built-in temperature recorder (RCDR301) shown on Model 6022.



Stacked 6012’s. The optional stacking kit (STCK301) allows you to configure 10 cu. ft. units in stacked position for optimal use of your laboratory space. The bottom unit is shown on optional swivel locking casters (CSTR301).

# SPECIFICATIONS & OPTIONAL ACCESSORIES

Model	6012-1	6012-2	6012-3	6022-1	6022-2	6022-3	6042-1	6042-2	6042-3
Temperature Range	5°C to 70°C								
Temperature Control	±0.1°C								
Temperature Uniformity	±0.3°C								
Lights	(4) 24 watt fluorescent <b>gLux™</b> lights			(6) 24 watt fluorescent <b>gLux™</b> lights			(8) 24 watt fluorescent <b>gLux™</b> lights		
Interior Dimensions	23" W x 25.8" D x 29.8"H (58.4 cm x 65.5 cm x 75.7 cm)			32" W x 27" D x 52.7"H (81.3 cm x 68.6 cm x 133.9 cm)			32" W x 27" D x 65.7"H (81.3 cm x 68.6 cm x 166.9 cm)		
Interior Construction	Type 304, 2B Finish, Solid Stainless Steel								
Exterior Dimensions	45.5" W x 31.7" D* x 37" H (112.3 cm x 82.8 cm x 92.7 cm)			35.5" W x 33.3" D* x 77.1" H (90.2 cm x 84.6 cm x 195.8 cm)			35.5" W x 33.3" D* x 90.1" H (90.2 cm x 84.6 cm x 228.9 cm)		
Exterior Construction	Cold Rolled Steel, Powder Coated								
Work Space	10 cu. ft. (283 liters)			25 cu. ft. (708 liters)			33 cu. ft. (934 liters)		
# of Shelves	3 Standard; 15 Maximum			4 Standard; 25 Maximum			5 Standard; 31 Maximum		
Shelf Construction	Type 304, Perforated Stainless Steel, Electropolished								
Shelf Dimensions	22.5" W x 25.4" D (57.2 cm x 64.5 cm)			29.25" W x 24.45" D (74.3 cm x 62.1 cm)			29.25" W x 24.45" D (74.3 cm x 62.1 cm)		
Electrical	115V 60 Hz 12A	208/230V 60Hz 8A	230V 50 Hz 6A	115V 60 Hz 16A	208/230V 60Hz 10A	230V 50 Hz 8A	115V 60 Hz 16A	208/230V 60 Hz 10A	230V 50 Hz 8A
Shipping Weight lbs.	495		600**	775		875**	800		1,100**
Shipping Weight kg.	225		272**	352		397**	363		499**

\*Add 2.75" for handle. \*\*Includes Export Shipping Crate.

NOTE: Specifications are subject to change without notice. Specifications are based on 20°C ambient and standard voltage.

Description	Model 6012	Model 6022	Model 6042
Remote alarm contacts provide NO and NC dry contacts for alarms.	ALRM301		
Laboratory equipment cart (48" x 30" x 24") accommodates up to 800 lbs.	CART102	N/A	
Swivel casters four casters total; two locking and two non-locking.	CSTR301	Standard	
Defrost system for operation down to 0°C.	DEFR302	DEFR301	
Deluxe controller includes analog outputs, RS-485 communications and ramp/soak.	DLUX302		
Fresh air ports.	PORT303	PORT302	
Built-in temperature recorder. Single pen, 6", 7 day, 24 hour.	RCDR301		
Built-in temperature recorder. Thermal printer, 10", 7 day, 24 hour.	RCDR303		
Side mounted temperature recorder. Single pen, 10", 7 day, 24 hour.	RCDR305		
Additional stainless steel perforated shelf kit. Includes 2 shelf tracks.	SHLF304	SHLF300	
Wire rod shelf kit to replace standard shelving.	SHLF314	SHLF311	SHLF316
Stacking kit to secure two 10 cu. ft. units.	STCK301	N/A	
Stainless steel work table.	TABL101	N/A	

For additional accessories, visit [www.caronproducts.com](http://www.caronproducts.com).

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