

The Forma Reach-In Incubator/Environmental Chamber provides precise temperature control. This 29.0 cu ft (821.2 litres) Reach-In with microprocessor control/monitoring system is ideal for clinical applications, elevated temperature stability studies and shelf-life testing.

Product Features

- Large, easy-to-read LED displays the actual temperature
- Setpoint and calibration values are stored in non-volatile memory and are retained during power failures
- Swivel, locking castors and levelling feet are standard
- Dry alarm contacts for remote monitoring of chamber conditions are standard
- Heated glass door optimises temperature uniformity
- Audible/visual alarm warns of undertemperature or overtemperature conditions
- Through-wall access ports, located on the right and left sides of the chamber, make it possible to add probes, sensors, etc. without altering the cabinet
- Interior electrical outlet located on the rear wall permits the use of equipment inside the chamber
- Adjustable, solid stainless steel shelves let you load the incubator to full capacity, providing a total of 140.4 sq ft (13.0 sq m)
- cULus Listed and CE Marked



Model 3960 (3961) is ideal for elevated temperature applications

Specifications

Capacity

Interior Volume 821.1 litres (29.0 cu ft)

Temperature Control

Range $\pm 0.1^{\circ}\text{C}$
 Range 5°C above ambient to 60°C (140°F)
 Uniformity $\pm 0.5^{\circ}\text{C}$ @ 45°C (113°F)
 Low Alarm User Programmable

Overtemperature

Sensor Precision Thermistor
 Setability 0.1°C
 Function User programmable, action (shuts off heat) and indicator

Temperature Safety (Cabinet)

Sensor Independent Thermostat
 Type Independent analog electronic

Fittings

Access Port with Stopper 2.4" (61 mm) I.D., one on each side

Unit Heat Load

115V / 230V 129 kcal per hour
 129 kcal per hour

Dimensions H x W x D

Exterior 2032 x 965 x 838 (mm) 80 x 38 x 33 (in)
 Interior 1524 x 787 x 686 (mm) 60 x 31 x 27 (in)

Construction

Interior Type 304 2B finish stainless steel
 Exterior Cold-Rolled Steel, powder coated.
 Insulation 2.0" (51 mm) fiberglass
 Exterior Door Heated Triple Pane Tempered Glass
 Outdoor Gasket Molded Vinyl

Shelves

Dimensions W x D 777 x 655 (mm) 30.6 x 25.8 (in)
 Construction Solid Stainless Steel, 2B
 Surface Area 5.4 sq ft (0.5 sq m) per shelf
 Max Per Chamber 140.4 sq ft (13.0 sq ft)
 Clearance Adjustable on 51mm centres
 Standard 5
 Maximum 26
 Loading 30 lbs (13.6 kg) per shelf, fully inserted and stationary; not to exceed 300 lbs (136.0 kg) total per cabinet

Electrical

3960 115V, 50/60 Hz, 9.0 FLA (Operating range 90-125V includes voltage fluctuations)
 3961 200/230V, 50/60 Hz, 5.0 FLA (Operating range 180-250V includes voltage fluctuations)
 Circuit Breaker / Power Switch 3961=8 Amps; 2 pole
 3960=15 Amps; 2 pole
 Convenience Outlet 75 Watts maximum (Matches cabinet voltage)
 Interior Outlet 230 Watts maximum (Matches cabinet voltage)
 Alarm Contacts Temperature deviation and power failure, Common, NO and NC, Customer connections through RJ11 jack on rear of unit.
 Optional Data Outputs RS-485, 0-1V, 0-5V, 4-20 milliamp

Weight

Nett 226.8 kg (500 lbs)

Ordering Information

Cat No.	Description	Power Requirements
3960	Forma Reach-In Incubator / Environmental Chamber	115V 50/60Hz
3961	Forma Reach-In Incubator / Environmental Chamber	200 / 230V 50/60Hz

Accessories

Cat No.	Description
224161	Reinforced shelf, 150 lb (68 kg) load max. inserted, 2 per unit max., not for shakers
190164	Additional access port 2.4" (61 mm) diameter, customer-specified location, factory installed
190239	Lexan inner door kit (five doors) factory installed