

GROWTH CHAMBERS: INSECT REARING

TECHNICAL SPECIFICATIONS

MODEL: 7340

TEMPERATURE PERFORMANCE	7340-25	7340-33
Temperature Range	10°C to 40°C	
Temperature Control	±0.1°C	
Temperature Uniformity	±0.3°C	
Temperature Sensor	3-wire RTD	

CAPACITY & CONFIGURATION		
Work Space	25 ft3 (708 liters)	33 ft3 (934 liters)
# of Shelves	4 Standard / 25 Maximum	5 Standard / 31 Maximum
Shelf Dimensions	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)
Shelf Construction	Type 304 Perforated Stainless Steel, Electropolished	

INTERIOR SPECIFICATIONS		
Interior Dimensions	32" W x 27" D x 51.3" H (81.3 cm x 68.6 cm x 133.9 cm)	32" W x 27" D x 64.4" H (81.3 cm x 68.6 cm x 166.9 cm)
Interior Construction	2B Finish Solid Stainless Steel (Type 304)	

EXTERIOR SPECIFICATIONS		
Exterior Dimensions	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	Powder Coated Cold Rolled Steel	

POWER SPECIFICATIONS	7340-25			7340-33		
	-1	-2	-3	-1	-2	-3
Electrical	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

WEIGHT SPECIFICATIONS	7340-25	7340-33
Shipping Weight lbs	875 lbs	
Shipping Weight kg	397 kg	

Specifications are based on 20°C ambient and standard voltage. Specifications are subject to change without notice. *Add 2.75" for handle. All units are shipped in crates.

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ACCESSORIES

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STOCK NO.	DESCRIPTION	25	33
ALRM302	Remote Alarm Contacts for 7000 Series Chambers. Provides NO and NC dry contacts for alarms.	✓	✓
BOTL301	Side Mounted Carboy for Humidified Chambers. Water fill bottle with cap, 2.5 gallons (9.5 liters). Includes tubing and fittings.	✓	✓
CO2C302	CO2 Control from 0 to 20% for 10, 22, 25, 33, 50 & 75 CF series chambers. Precision IR-CO2 sensor. Does not include decon cycle.	✓	✓
CRSY102-1	Universal Condensate Recirculating System; 115V, 60Hz	✓	✓
CRSY102-4	Universal Condensate Recirculating System; 230V, 50/60Hz	✓	✓
CRSYKIT	Tubing and fitting kit to connect CRSY102 to two (2) chambers.	✓	✓
DLOG301	On-board USB connections allow real time electronic data logging and storage to a USB flash drive. Logged parameters are time stamped and include chamber temperature and (if applicable) humidity, CO2 level, & light intensity. Records over one year of data.	✓	✓
DOOR310	Light tight door cover for 708 L (25 CF) series chambers/incubators (with glass). Factory installed at the time of order or can be retro-fitted in the field by a qualified technician.	✓	
DOOR311	Solid insulated door (no glass) for 708 L (25 CF) series chambers/incubators. Note: cannot be used with accessory DOOR303. Factory installed at the time of order or can be retro-fitted in the field by a qualified technician.	✓	
DOOR312	Light tight door cover for 934 L (33 CF) series chambers/incubators (with glass). Factory installed at the time of order or can be retro-fitted in the field by a qualified technician.		✓
DOOR313	Solid insulated door (no glass) for 934L (33 CF) series chambers/incubators. Note: cannot be used with DOOR307. Factory installed at the time of order or can be retro-fitted in the field by a qualified technician.		✓
HUMD311-1	Humidity control from ambient to 95% RH for 115V 60Hz Models 7340 & 7350. Includes humidity display/readout. Actively humidifies with gVapor and dehumidifies with ambient air. Factory installed at the time of order.	✓	✓
HUMD311-4	Humidity control from ambient to 95% RH for 230V 50-60Hz Models 7340 & 7350. Includes humidity display/readout. Actively humidifies with gVapor and dehumidifies with ambient air. Factory installed at the time of order.	✓	✓
HUMD315	Factory Installed Humidity Sensor and Display for 7400 series 25/33 ft3 CO2 Incubators	✓	✓
LGHT324	Interior Viewing LED Lighting System for 25 & 33 CF Series Chambers. Includes LED lighting strips located on the side walls of the chamber, and a 24 hour timer for day/night simulation. Not intended for plant growth.	✓	✓
LGHT340	LED (Orange) Lighting System for 25 and 33 CF chambers. Includes LED lighting strips located on the side walls, and a 24 hour timer for day/night simulation. Not intended for plant growth. Narrow range (500-700nm). Factory installed at time of order.	✓	✓
LGHT601-1	Ultraviolet Germicidal Lamp deactivates microorganisms, for CRSY102-1. For 115V units.	✓	✓
LGHT601-4	Ultraviolet Germicidal Lamp deactivates microorganisms, for CRSY102-4. For 230V units.	✓	✓
LGHT602-1	UV Germicidal Lamp for Humidified 10, 25 & 33 CF Series Chambers. Deactivates microorganisms in-line with humidity water supply. For 115V units.	✓	✓

✓ standard feature ✓ not designed for unit, but can be installed ✓ if RH/CO2 option is ordered; or CELL30X w/ 7401; EXT303 w/ 7404

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STOCK NO.	DESCRIPTION	25	33
LGHT602-4	UV Germicidal Lamp for Humidified 10, 25 & 33 CF Series Chambers. Deactivates microorganisms in-line with humidity water supply. For 230V units.	☑	☑
LOCK301	Outer Door Lock for 25 & 33 CF Chambers.	☑	☑
LTCH301	One-handed outer door latch for use with 25 & 33 cu. ft. chambers. Factory or customer installed.	☑	☑
LTCH302	One-handed outer door latch, with integral key lock, for use with 25 & 33 cu. ft. chambers. Factory or customer installed.	☑	☑
OUTL331-1	Single interior outlet, NEMA 5-15 (115V, 60Hz) configuration with GFI protection. Fused at 1A. Humidity levels cannot exceed 90% RH with installation of this accessory. For use in refrigerated (7000, 7001, 7340, & 7350) 10 ft ³ , 25 ft ³ and 33 ft ³ incubators at 115V, 60Hz.	☑	☑
OUTL331-2	Single interior outlet, NEMA 5-15 (115V, 60Hz) configuration with GFI protection. Fused at 1A. Humidity levels cannot exceed 90% RH with installation of this accessory. For use in refrigerated (7000, 7001, 7340, 7350, & 7900 series) 10 ft ³ , 25 ft ³ and 33 ft ³ incubators at 230V, 60Hz.	☑	☑
OUTL336-1	Three interior outlets, NEMA 5-15 (115V, 60Hz) configuration with GFI protection. Fused at 3A. Humidity levels cannot exceed 90% RH with installation of this accessory. For use in refrigerated (7000, 7001, 7340, & 7350) 25 ft ³ and 33 ft ³ incubators at 115V, 60 Hz.	☑	☑
OUTL336-2	Three interior outlets, NEMA 5-15 (115V, 60Hz) configuration with GFI protection. Fused at 3A. Humidity levels cannot exceed 90% RH with installation of this accessory. For use in refrigerated (7000, 7001, 7340, 7350, & 7900 series) 25 ft ³ and 33 ft ³ incubators at 230V, 60 Hz.	☑	☑
OUTP301	Universal analog output (0-5V, 4-20mA) Provides one connection for monitoring temperature.	☑	☑
OUTP302	Universal analog output (0-5V, 4-20mA) Provides two connections for monitoring temperature and humidity, lights, or CO ₂ .	☑	☑
PORT301	Additional 2" Access Port for 10, 25 & 33 CF Chambers.	☑	☑
PORT305	Fresh Air Ports, with adjustable, sliding port cover. For 25 and 33 CF chambers. Factory installed at time of order.	☑	☑
PUMP301	Drain Water Pump for humidified chambers.	☑	☑
RAMP301	Ramp and soak allows precise programming of temperature, relative humidity and lights (if applicable). Includes 5 profiles with up to 10 steps each, 50 total steps. The repeat features allows multiple and continuous routines to easily setup and manage profiles. Factory installed at time of order.	☑	☑
SHLF300	Additional Stainless Steel Perforated Shelf Kit. Includes 2 shelf tracks.	☑	☑
SHLF303	Additional Heavy-duty Stainless Steel Perforated Shelf Kit for 25/33 CF.	☑	☑
SHLF313	Heavy-duty Perforated Shelf Kit to replace standard shelving on 25 CF Chambers. Includes 3 heavy duty perforated stainless steel shelves.	☑	
SHLF318	Heavy-duty Perforated Shelf Kit to replace standard shelving on 33 CF Chambers. Includes 4 heavy duty perforated stainless steel shelves.		☑

☑ standard feature ☑ not designed for unit, but can be installed ☑ if RH/CO₂ option is ordered; or CELL30X w/ 7401; EXT303 w/ 7404

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STOCK NO.	DESCRIPTION	25	33
STER301	Sterilization Module, Vaporized Hydrogen Peroxide. Complete with Condition, Sterilization, and Inactivation phases, less than 40 minutes overall. For use with 7410/7411/7420 series CO2 incubators. Factory or Field installed.	✓	✓
STER302	Hydrogen Peroxide, single 33 ml container of 35% H2O2. For use with STER301 in sterilizing incubators.	✓	✓
STER303	Hydrogen Peroxide, set of five, 33 ml containers of 35% H2O2. For use with STER301 in sterilizing incubators.	✓	✓
STER305	H2O2 sterilization prep, factory installed. For use in 7400/7401/7402/7403 Series incubators. Includes H2O2 sterilization module connections, upgraded system wiring, and control software & hardware. STER301 H2O2 sterilization module sold separately.	✓	✓

 standard feature
  not designed for unit, but can be installed
  if RH/CO2 option is ordered; or CELL30X w/ 7401; EXT303 w/ 7404