

Eco-type Gravity-air Incubators, **“ThermoStable™ EIG”**, 32-/50-/105-/155- Lit, to 70°C, ±0.3°C **NEW** with Digital Fuzzy Control/FND-display, Included 2 × Shelves, and Certi. Traceable



“ThermoStable™ EIG-105”
105 Lit. Eco-type Gravity-air Incubator

- **CE Certified**
- **PL(Product Liability) Insurance**
- **with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System**
- **Optimized Air Flow by Gravity-air Mechanism Preventing Cross Contamination of Samples**

- * Variable Application : Microorganism Culture, Animal & Plant Cell Culture, Constant Temperature, Germination, and so on
- * Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- * Display : Seven-segments FND
- * Ambient to 70°C of Temp. Range, Accuracy of ±0.3°C at 37°C
- * Corrosion Resistant 304 Stainless-steel Chamber and PE-coated steel shelves
- * Over Temperature & Over Current Protection, Sensor Error Detection
- * Alarm Function : Error status and Timer-end
- * Storage Function of Temperature and Timer Setting Values
- * Locking Mode Supported for Experimental Safety

Specifications & Ordering information

Spec.	Models	ThermoStable EIG-32	ThermoStable EIG-50	ThermoStable EIG-105	ThermoStable EIG-155
Capacity		32 Lit.	50 Lit.	105 Lit.	155 Lit.
Circulation-type		Gravity-air Flow			
Temp. Range & Accuracy		Room Temp, +5°C ~ 70°C, ± 0.2°C at 37°C			
Temp. Uniformity & Sensor		±0.5°C at 37°C, ±1.2°C at 50°C, PT100 Sensor			
Heat-up Time		20 min. to 37°C, 40 min. to 50°C			
Recover Time (Door open 30sec)		8 min. to 37°C 12 min. to 50°C		10 min. to 37°C 15 min. to 50°C	
Heating Power/Consumption		200 W	200 W	300 W	400 W
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end			
Display		Seven-segments FND			
Controller		Digital Fuzzy Controller			
Inner Door		with 1ea of Inner Tempered Glass Door			
Shelves		Included 2ea of Polyethylene coated Steel Wire Shelves			
Permitted Total Load		Total Load 32 kg (16kg × 2 Shelves)			
Ventilation Hole		1ea of Ventilation hole(id. φ40mm) with Stainless Steel Cap			
Safety Circuit		Over Temp. and Over Current Protector, Sensor Error Detector			
Material		Internal : Stainless-steel (# 304), External : Powder Coated Steel			
Dimension (w × d × h)	Interior (mm)	310 × 290 × 360	370 × 350 × 420	485 × 410 × 535	550 × 475 × 600
	Exterior (mm)	463 × 482 × 567	523 × 542 × 642	640 × 600 × 740	705 × 665 × 805
Net Weight		29 kg	41 kg	53 kg	70 kg
Packing Size (w × d × h) (mm)		559 × 526 × 600	619 × 586 × 675	703 × 677 × 771	768 × 742 × 836
	& Gross Weight	36 kg	48 kg	60 kg	77 kg
Power Consumption		320 W	320 W	400 W	400 W
Electrical Reqs.		1 Phase, AC 120 V, 60 Hz or AC 230 V, 50 / 60 Hz			
Cat. No.	230V	DH.EIG03032	DH.EIG03050	DH.EIG03105	DH.EIG03155
	120V	DH.EIG04032	DH.EIG04050	DH.EIG04105	DH.EIG04155

* Other Specifications are available upon Customer's Request.

(1) Spare PE-coated Steel Wire Shelves

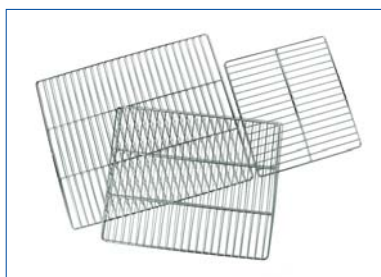
- DH.WIG11032 Wire Shelf, Polyethylene-coated Steel, with 2 Brackets, for 32 Lit., “IGSN032”, w280 × d260mm
- DH.WIG11050 Wire Shelf, Polyethylene-coated Steel, with 2 Brackets, for 50 Lit., “ONS050”, w340 × d310mm
- DH.WIG11105 Wire Shelf, Polyethylene-coated Steel, with 2 Brackets, for 105 Lit., “ONS105”, w455 × d375mm
- DH.WIG11155 Wire Shelf, Polyethylene-coated Steel, with 2 Brackets, for 155 Lit., “ONS155”, w520 × d440mm

(2) Optional Stainless-steel Wire Shelves

- DH.WIG12032 Wire Shelf, Stainless-steel, with 2 Brackets, for 32 Lit., “ONS032”, w280 × d260mm
- DH.WON11050 Wire Shelf, Stainless-steel, with 2 Brackets, for 50 Lit., “ONS050”, w340 × d310mm
- DH.WON11105 Wire Shelf, Stainless-steel, with 2 Brackets, for 105 Lit., “ONS105”, w455 × d375mm
- DH.WON11155 Wire Shelf, Stainless-steel, with 2 Brackets, for 155 Lit./305Lit., “ONS155”, w520 × d440mm



(1) PE-coated Steel Wire Shelves
: included/Standard



(2) Stainless-steel Wire Shelves
: Option

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Distributor

DAIHAN Scientific

ThermoStable™

New

Economic-type

Incubators & Ovens



Eco-type Forced-air Incubators, "ThermoStable™ EIF", 50-/105-/155- Lit, to 70°C, ±0.3°C **NEW** with Digital Fuzzy Control/FND-display, Included 2× Shelves, and Certi. Traceable



2-Year Warranty

"ThermoStable™ EIF-105"
105 Lit. Eco-type Forced-air Incubator

- CE Certified
- PL(Product Liability) Insurance
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Optimized Air Flow by Forced-air Mechanism

- * Variable Application : Microorganism Culture, Animal & Plant Cell Culture, Constant Temperature, Germination, and so on
- * Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- * Display : Seven-segments FND
- * Ambient to 70°C of Temp. Range, Accuracy of ±0.3°C at 37°C
- * Corrosion Resistant 304 Stainless-steel Chamber and PE-coated Steel Shelves
- * Over Temperature & Over Current Protection, Sensor Error Detection
- * Alarm Function : Error status and Timer-end
- * Storage Function of Temperature and Timer Setting Values
- * Locking Mode Supported for Experimental Safety

Specifications & Ordering information

Spec.	Models	ThermoStable EIF-50	ThermoStable EIF-105	ThermoStable EIF-155
Capacity		50 Lit.	105 Lit.	155 Lit.
Circulation-type		Forced-air Type		
Temp. Range & Accuracy		Room Temp, +5°C ~ 70°C, ± 0.3°C at 37°C		
Temp. Uniformity & Sensor		±0.5°C at 37°C, ±0.9°C at 50°C, PT100 Sensor		
Heat-up Time		15 min. to 37°C, 30 min. to 50°C		
Recovery Time (Door open 30sec)		5 min. to 37°C 8 min. to 50°C	8 min. to 37°C 10 min. to 50°C	
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end		
Display		Seven-segments FND		
Controller		Digital Fuzzy Controller		
Inner Door		with 1ea of Inner Tempered Glass Door		
Shelves		Included 2ea of Polyethylene coated Steel Wire Shelves		
Permitted Total Load		Total Load 32 kg (16kg×2 Shelves)		
Ventilation Hole		1ea of Ventilation hole(id. φ40mm) with Stainless Steel Cap		
Safety Circuit		Over Temp. and Over Current Protector, Sensor Error Detector		
Material		Internal : Stainless-steel(# 304), External : Powder Coated-steel		
Dimension (w×d×h)	Interior (mm)	370×350×420	485×410×535	550×475×600
	Exterior (mm)	523×642×642	640×700×740	705×765×805
Net Weight		45 kg	57 kg	80 kg
Packing Size (mm) & Gross Weight		719×586×h840,	710×762×h970,	780×826×h1,030,
		52 kg	70 kg	87 kg
Power Consumption		400 W	500 W	600 W
Electrical Reqs.		1 Phase, AC 230 V, 50 / 60 Hz or AC 120 V, 60 Hz		
Cat. No.	230V	DH.EIF03050	DH.EIF03105	DH.EIF03155
	120V	DH.EIF04050	DH.EIF04105	DH.EIF04155

* Other Specifications are available upon Customer's Request.

(1) Spare PE-coated Steel Wire Shelves

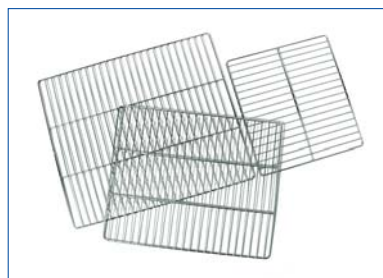
- DH.WIG11050 Wire Shelf, Polyethylene-coated Steel, with 2 Brackets, for 50 Lit, "IGS050", w340×d310mm
- DH.WIG11105 Wire Shelf, Polyethylene-coated Steel, with 2 Brackets, for 105 Lit, "IGS105", w455×d375mm
- DH.WIG11155 Wire Shelf, Polyethylene-coated Steel, with 2 Brackets, for 155 Lit, "IGS155", w520×d440mm

(2) Optional Stainless-steel Wire Shelves

- DH.WON11050 Wire Shelf, Stainless-steel, with 2 Brackets, for 50 Lit, "ONS050", w340×d310mm
- DH.WON11105 Wire Shelf, Stainless-steel, with 2 Brackets, for 105 Lit, "ONS105", w455×d375mm
- DH.WON11155 Wire Shelf, Stainless-steel, with 2 Brackets, for 155 Lit./305Lit, "ONS155", w520×d440mm



(1) PE-coated Steel Wire Shelves : included/Standard



(2) Stainless-steel Wire Shelves : Option

Eco-type Forced-air Ovens, "ThermoStable™ EOF", 50-/105-/155-Lit, to 250°C, ±0.3°C **NEW**
with Digital Fuzzy Control/FND-display, Included 2×Shelves, and Certi. Traceable



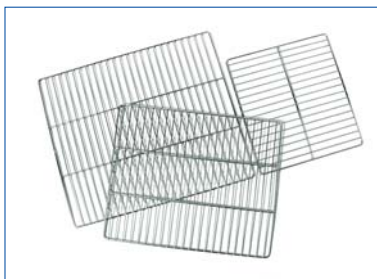
2-Year Warranty

(1) "ThermoStable EOF-155"
Eco-type Forced-air Oven, Standard Model



2-Year Warranty

(2) "ThermoStable EOF-W155"
Eco-type Forced-air Oven, Window Model



Stainless-steel Wire Shelves
(Included)

- CE Certified
- PL (Product Liability) Insurance
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Optimized Air Flow by Forced-air Mechanism

- * Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging
- * Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- * Display : Seven-segments FND
- * Ambient +5°C to 250°C Range with Accuracy of ±0.3°C
- * Max. Temp. Uniformity by Forced Convection : Rear-Side Fan/Heater Mechanism (±1% uniformity)
- * Corrosion Resistant 304 Stainless-steel Chamber and Shelves
- * Perfect Heat Insulation Made by Heat-Resistant Rubber Packing and Air Flow Layer(AFL)
- * Over Temperature & Over Current Protector and Sensor Error Detector
- * 2~3 Stainless-steel shelves are Included

Specifications & Ordering information

Spec.	Models	(1) Standard Model (without Window)		
		EOF-50	EOF-105	EOF-155
			(2) Built-in Viewing Window Model	
		EOF-W105	EOF-W155	
Air Flow-type	Forced-air, Blower FAN			
Capacity	50 Lit.	105 Lit.	155 Lit.	
Temp.	Range & Accuracy	Range : Room Temp +5 °C to 250 °C , Accuracy : ± 0.3°C at 100°C		
	Uniformity	±1°C at 100°C		
	Sensor	PT100 Sensor		
Heating Power/Consumption	900 W	1.2 kW	1.7 kW	
Heat-up Time	15 min. to 100 °C , 25 min. to 150 °C			
Recovery Time	Door Open 30Sec : 3 min. to 100 °C / 5 min. to 150 °C			
Timer & Alarm	99hr 59min (with delay / Continuous run.), Error status & Timer-end			
Display	Seven-segments FND			
Controller	Digital Fuzzy Controller			
Resolution	Control : ±1.0°C , Display : ±1.0°C			
Shelves	Included Stainless Steel Wire Shelves			
	2ea			
Load per Rack	16 kg			
Permitted Total Load	32 kg (16kg × 2 Shelves)			
Ventilation	Ventilation hole(id. ϕ40mm) with Stainless-steel Cap			
	1ea	2ea	2ea	
Safety Circuit	Over Temp. and Over Current Protector, Sensor Error Detector			
Material	Internal : Stainless-steel (# 304), External : Powder Coated Steel, Insulation : Glass Wool			
Others	Storage Function (Temp and Timer), Locking Mode			
Dimension (w × d × h)	Interior (mm)	370 × 340 × 420	485 × 405 × 535	550 × 470 × 600
	Exterior (mm)	535 × 620 × 733	656 × 685 × 891	721 × 750 × 956
Net Weight	51 kg	70 kg	90 kg	
Packing Size (w × d × h) (mm) & Gross Weight	572 × 660 × 840		710 × 762 × 970	790 × 790 × 1,090
	58 kg		85 kg	105 kg
Power Consumption	900 W	1.2 kW	1.6 kW	
Electrical Reqts.	1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz or 3Phase			

(1) Standard Model (without Window)				
Cat. No.	230V	DH.EOF05050	DH.EOF05105	DH.EOF05155
	120V	DH.EOF06050	DH.EOF06105	DH.EOF06155
(2) Built-in Viewing Window Model				
Cat. No.	230V	-	DH.EOF07105	DH.EOF07155
	120V	-	DH.EOF08105	DH.EOF08155

* Other Specifications are available upon Customer's Request.

Spare Stainless-steel Wire Shelves

- DH.WOF11050 Wire Shelf, for 50 Lit, "OFS050", w340 × d310mm
- DH.WOF11105 , for 105 Lit, "OFS105", w455 × d375mm
- DH.WOF11155 , for 155-/305-Lit, "OFS155", w520 × d440mm

Cat. No	Description	Articles
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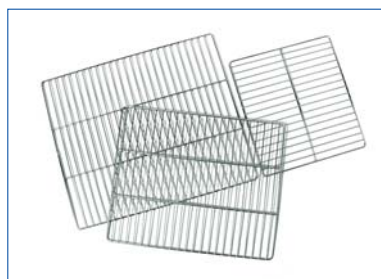
Eco-type Gravity-air Ovens, "ThermoStable™ EON", 32-/50-/105-/155-Lit, to 250°C, ±0.5°C **NEW**
with Digital Fuzzy Control/FND-display, Included 2×Shelves, and Certi. Traceable



(1) "ThermoStable EON-155"
Eco-type Gravity-air Oven, Standard Model



(1) "ThermoStable EON-W155"
Eco-type Gravity-air Oven, Window Model



Stainless-steel Wire Shelves
(Included)

- CE Certified
- PL(Product Liability) Insurance
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Optimized Air Flow by Gravity-air Mechanism

- * Suitable for Drying, Baking, Conditioning, Curing, Pre-Heating and Aging
- * Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- * Display : Seven-segments FND
- * Ambient to 230°C Range, Accuracy of ±0.5°C
- * Compact Body Design
- * Optimized Air Flow by Gravity-air
- * Corrosion Resistant 304 Stainless-steel Chamber and Shelves
- * Perfect Heat Insulation made by Heat-Resistant Rubber Packing and Air Flow Layer (AFL)
- * Over Temperature & Over Current Protection and Sensor Error Detection
- * 2-3 Stainless-steel Shelves are Included

Specifications & Ordering information

Spec.	Models	(1) Standard Model, without Window			
		EON-32	EON-50	EON-105	EON-155
Air Flow-type		Gravity-air Type			
Capacity		32 Lit.	50 Lit.	105 Lit.	155 Lit.
Temp.	Range & Sensor	Room Temp +5 °C to 230 °C, PT100 Sensor			
	Accu. & Uniform.	Accuracy : ± 0.5°C at 100°C, Uniformity : ±2.0°C at 100°C			
Heating Power/Consumption		600 W	800 W	1.5 kW	1.7 kW
Heat-up Time		18 min. to 100 °C, 28 min. to 150 °C			
Recovery Time		5 min. to 100 °C, 7 min. to 150 °C			
Timer & Alarm		99hr 59min (with delay / Continuous run.), Error status & Timer-end			
Display		Seven-segments FND			
Controller		Digital Fuzzy Controller			
Resolution		Control : ±1.0°C, Display : ±1.0°C			
Shelves		Included Stainless-steel Wire Shelves			
		2ea			
Load per Rack		16 kg			
Permitted Total Load		32 kg (16kg×2 Shelves).			
Ventilation		Ventilation hole with Stainless-steel Cap, Dia. 40mm			
		1ea	1ea	2ea	2ea
Safety Circuit		Over Temp. and Over Current Protector, Sensor Error Detector			
Material		Internal : Stainless-steel (# 304), External : Powder Coated Steel, Insulation : Glass Wool			
Others		Storage Function (Temp and Timer)			
		Locking Mode (Jog - Shuttle Input Disabled)			
Dimension (w×d×h)	Interior (mm)	310×290×360	370×350×420	485×480×535	550×475×600
	Exterior (mm)	475×530×673	535×620×733	656×685×891	721×750×956
Net Weight		31kg	42kg	67kg	83kg
Packing Size (w×d×h) (mm) & Gross Weight		500×580×780	570×660×840	710×750×970	790×790×1,090
		38 kg	48 kg	70 kg	94 kg
Power Consumption		600 W	800 W	1.4 kW	1.7 kW
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz			

(1) Standard Model, without Window					
Cat. No.	230V	DH.EON05032	DH.EON05050	DH.EON05105	DH.EON05155
	120V	DH.EON06032	DH.EON06050	DH.EON06105	DH.EON06155
(2) Built-in Viewing Window Model					
Cat. No.	230V	-	-	DH.EON07105	DH.EON07155
	120V	-	-	DH.EON08105	DH.EON08155

* Other Specifications are available upon Customer's Request.

Spare Stainless-steel Wire Shelves

- DH.WON11032 Wire Shelf, for 32 Lit, "ONS032", w280×d280mm
 DH.WON11050 , for 50 Lit, "ONS050", w340×d310mm
 DH.WON11105 , for 105 Lit, "ONS105", w455×d375mm
 DH.WON11155 , for 155-/305-Lit, "ONS155", w520×d440mm