

MIR

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	

Heated Incubators

MIR-H163 Heated Incubator

Effective capacity 93L

Temperature range Ambient temperature +5°C to 80°C



Features

Intuitive and easy operable Heated Incubators

The MIR-H163 Heated Incubator provides a precise and stable incubation environment. An accurate microprocessor timer is fitted to allow experiments up to 99 hours and 59 minutes.

The MIR Heated Incubators incorporate an 8-bit microprocessor controller for heat and refrigeration control $\pm 0.2^{\circ}\text{C}$. Programmable models include three-step functions useful for investigations involving microbiology, plant cell biology and more.

Microprocessor timer function

An accurate microprocessor timer control allows experiments of up to 99 hours and 59 minutes. Delayed start times can be set as desired. When an experiment is complete, a buzzer will sound and samples will be stored at a set temperature until removed. Various operating patterns can be set using the display panel.

Benefits

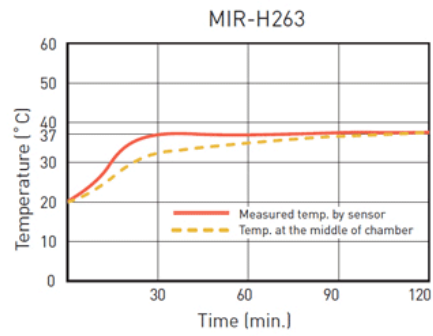
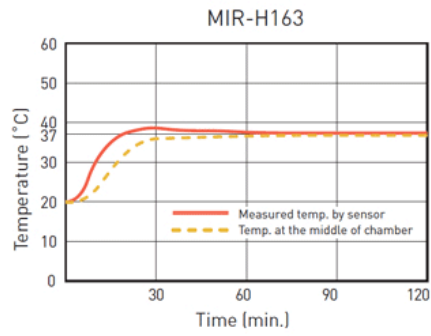
- Heated Incubators provide a precise and stable incubation environment.
- A wide range of applications including biological cultures and environmental studies.
- Accurate temperature control by Microprocessor.
- PID control system and Air Jacket system.
- Operation timer function.
- Alarms and Self diagnostic function secure safety operation.
- Temperature range 5°C above ambient to 80°C.
- Temperature accuracy ± 0.2 at +37°C.

Features

- Temperature range 5°C above ambient to 80°C.
- Temperature accuracy ± 0.2 at +37°C.
- Microprocessor Controlled Timer.
- Advanced Design.
- 93 liters.
- Precise Temperature Control.

Performance

Temperature uniformity data



Product Photos



Specifications

External Dimensions (W x D x H)	580 x 595 x 820 mm
Internal Dimensions (W x D x H)	450 x 460 x 450 mm
Volume	93 litres
Net Weight	50 kg
Temperature Control Range	Ambient temp +5 ~ +80 °C
Temperature Fluctuation	±0.2 °C (< 60) ~ ± 0.5 °C (60 ~ 80)
Temperature Uniformity	±1 °C
Controller	-
Display	LED

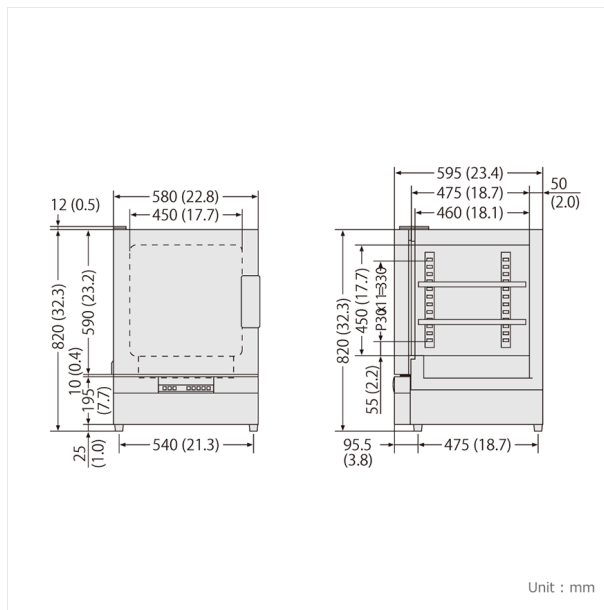
Temperature Sensor	Thermistor
Exterior Material	Painted steel
Interior Material	SS SUS-304
Insulation Material	Glass fibre
Outer Doors	1
Outer Door Lock	-
Reversible Door	-
Inner Doors	1
Shelves	2
Max. Load Per Shelf	
Max. Total Load	
Out of Temperature Setting	V-B
High Temperature	V-B
Power Supply	Local
Frequency	Local
Noise Level	-

Price

MIR-H163

Price Upon Inquiry. Please contact your local dealers.

Dimensions



Heated Incubators

MIR-H263 Heated Incubator

Effective capacity 153L

Temperature range Ambient temperature +5°C to 80°C



Features

Intuitive and easy operable Heated Incubators

The MIR-H263 Heated Incubator provides a precise and stable incubation environment for a wide range of applications including biological research and environmental studies. Suitable for a wide range of applications that require a temperature range of 5°C to +80°C.

Precise & stable Environment

Microprocessor PID control and an Air Jacket System give precise temperature control within the chamber. Temperature accuracy is within $\pm 0.2^{\circ}\text{C}$ and temperature uniformity is within $\pm 1.0^{\circ}\text{C}$ (at set temperature 37°C).

Various operating patterns

An accurate microprocessor timer control allows experiments of up to 99 hours and 59 minutes. Delayed start times can be set as desired. Various operating patterns can be set using the display panel. When an experiment is complete, a buzzer will sound and samples will be stored at a set temperature until removed.

Benefits

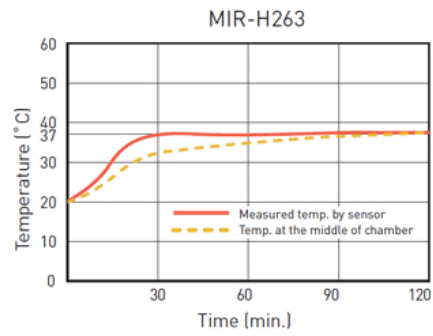
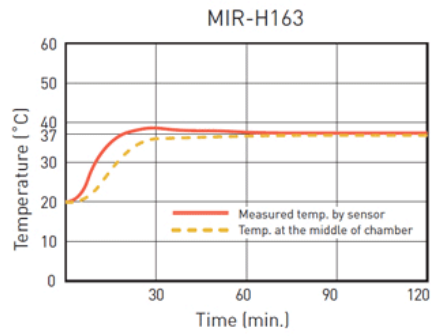
- Precise Temperature Control.
- Microprocessor Controlled Timer.
- Advanced Design.
- Accessories.

Features

- Air Jacket system
- Operation timer function
- Alarms and self diagnostic function secure safe operation

Performance

Temperature uniformity data



Product Photos



Specifications

External Dimensions (W x D x H)	730 x 645 x 870 mm
Internal Dimensions (W x D x H)	600 x 510 x 500 mm
Volume	153 litres
Net Weight	67 kg
Temperature Control Range	Ambient temp +5 ~ +80 °C
Temperature Fluctuation	±0.2 °C (< 60) ~ ± 0.5 °C (60 ~ 80)
Temperature Uniformity	±1 °C
Controller	-
Display	LED

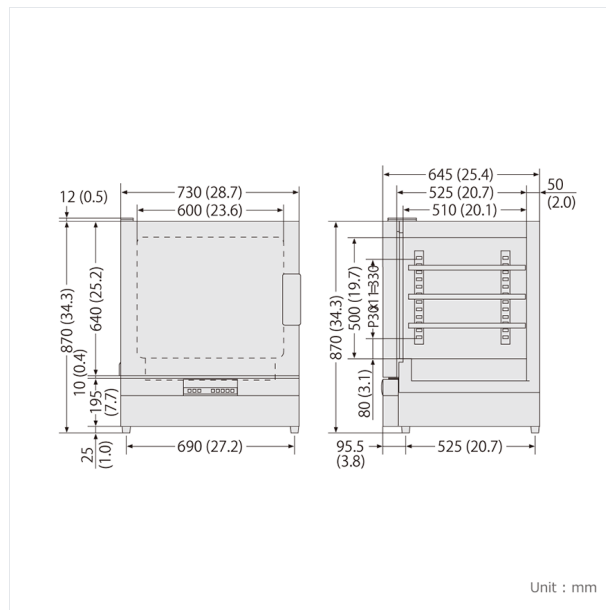
Temperature Sensor	Thermistor
Exterior Material	Painted steel
Interior Material	SS SUS-304
Insulation Material	Glass fibre
Outer Doors	1
Outer Door Lock	-
Reversible Door	-
Inner Doors	1
Shelves	3
Max. Load Per Shelf	
Max. Total Load	
Out of Temperature Setting	V-B
High Temperature	V-B
Power Supply	Local
Frequency	Local
Noise Level	-

Price

MIR-H263

Price Upon Inquiry. Please contact your local dealers.

Dimensions



Cooled Incubators

MIR-154 Cooled Incubator

Effective capacity 123L

Temperature range -10°C to +60°C



Features

All-round performance

The MIR-154 Cooled Incubator is recognized as an exceptional unit suitable for a wide range of applications requiring a -10°C to +60°C environment. The wide variety of temperatures and lighting patterns that are essential in research, environmental studies and testing can now be accurately reproduced and controlled. The MIR-154 has a capacity of 123 liters.

Programmable operation function with microprocessor control

Combining flexible temperature (H), light on/off (L) and time control (T), a maximum 12-step plus constant operation or max. 12-step repeating operation can be programmed according to the experimentation requirements. A program can be set to repeat for a minimum of one time to a maximum of 98 times or continuous repeat.

Program input is simple and the incubator accommodates a range of diversified experimentation requirements, proving ideal for experimentation during night time and holidays, experimentation that requires settings to be changed, microorganism culture and preservation. The MIR Cooled Incubators also offer the choice of timer mode, 24-hour clock mode and timer mode to suit user experiments. Up to 10 programs can be stored for convenient retrieval and set-up of frequently run experiments. Individual programs can be combined using the join function. Constant operation mode without step operation is also available.

High-precision Temperature Environment

Wide temperature control range from -10°C to +60°C

With a wide temperature range from -10°C to +60°C, MIR Cooled Incubators allow a full range of precise experiments including environmental tests to microorganism cultures and plant germination tests. Precise microprocessor temperature control MIR Cooled Incubators incorporate a high precision microprocessor temperature control combined with a heater PID and compressor on/off system.

PHC also offers two other sizes of the same type MIR Cooled Incubators:

- MIR-254
- MIR-554

Benefits

- Wide temperature range from -10°C to +60°C with excellent uniformity
- Precise Temperature Control For Accurate, Repeatable Conditions
- Energy Saving Operation
- Ultimate Secure, Comprehensive Alarm System
- Modern Design for Exceptional Usability

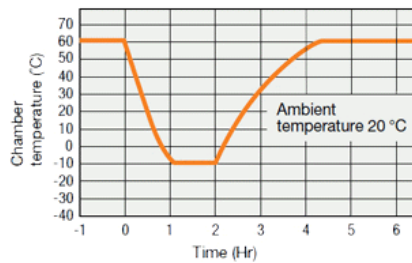
Features

- 123 litres
- Intelligent LCD Controller
- Independent Over-temperature Protection Device
- Programmed Memory Back-up Mechanism
- Automatic Return Buzzer Switch

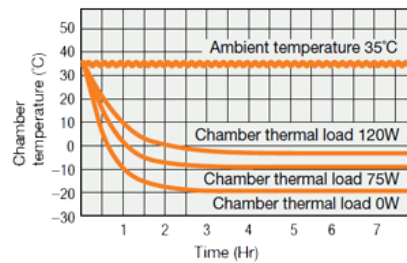
Performance

MIR-154 Performance data

Chamber pull-down/pull-up characteristics
(Outside air temperature 20°C Power source: AC 100V/50Hz)



Pull-down characteristics for thermal load in chamber
(Outside air temperature 35°C Power source: AC 100V/50Hz)



*The data shown above are taken with the fluorescent lamp turned off.
*Characteristics may vary depending on the product or operating conditions.

Product Photos



Specifications

External Dimensions (W x D x H)	700 x 580 x 1018 mm
Internal Dimensions (W x D x H)	620 x 368 x 555 mm
Volume	123 litres
Net Weight	78 kg
Temperature Control Range	-10°C ~ +60°C (AT +5°C ~ +35°C, no load)
Temperature Fluctuation	±0.2 with Heater PID control (SV 50°C, Ambient Temp 20°C, No load), ±1.5 with Compressor control (SV 5°C, Ambient Temp 20°C, No load)
Temperature Uniformity	±0.5 (SV 37°C, Ambient Temp 20°C, No load)
Controller	Microprocessor PID System (ON-OFF control when compressor operates)
Display	LCD
Temperature Sensor	Thermistor
Cooling Method	Forced air circulation
Compressors	150 W
Refrigerant	
Insulation Material	PUF
Insulation Thickness	40 mm
Exterior Material	Painted steel
Interior Material	SS SUS-304
Outer Doors	1
Outer Door Lock	MIR-LP option

Reversible Door	Y
Inner Doors	N
Shelves	3
Max. Load Per Shelf	20 kg
Max. Total Load	61 kg
Access Port	1
Access Port Position	left side
Access Port Diameter	40
Interior Fluorescent Lamp	1, 15 W, with MIR-L15-PE *1 option
Power Failure	-
High Temperature	V-B-R
Low Temperature	V-B-R
Door Open	V-B
Power Supply	Local
Frequency	Local
Noise Level	41 dB

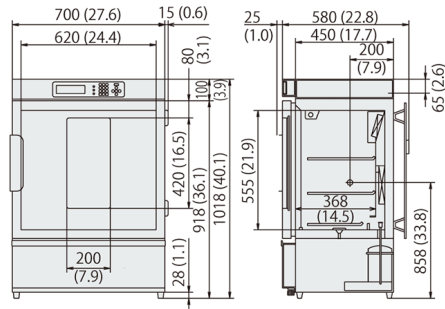
*1 MIR-L15-PE operates between +2°C and +50°C

Price

MIR-154

Price Upon Inquiry. Please contact your local dealers.

Dimensions



Unit : mm

Cooled Incubators

MIR-254 Cooled Incubator

Effective capacity 238L

Temperature range -10°C to +60°C



Features

All-round performance

The MIR-254 is an 238 liter Cooled Incubator and is recognized as an exceptional unit suitable for a wide range of applications requiring a -10°C to +60°C environment. The wide variety of temperatures and lighting patterns that are essential in research, environmental studies and testing can now be accurately reproduced and controlled.

PHC also offers two other sizes of the same type MIR Cooled Incubators:

- MIR-154
- MIR-554

Benefits

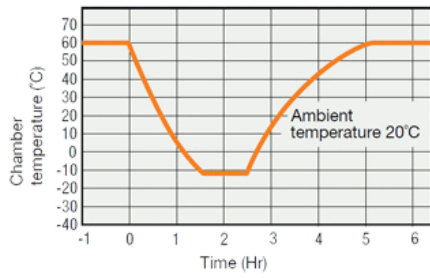
- Wide temperature range from -10°C to +60°C with excellent uniformity.
- Precise Temperature Control For Accurate, Repeatable Conditions.
- Energy Saving Operation.
- Ultimate Secure, Comprehensive Alarm System.
- Modern Design for Exceptional Usability.
- Prevents Medium from drying out.

Features

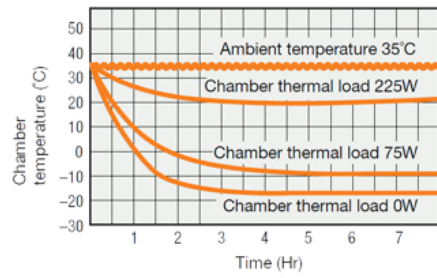
- 406 litres.
- Energy Saving Operation.
- Modern Design for Exceptional Usability.
- Wide temperature range.
- Ultimate Secure, Comprehensive Alarm System.

Performance

Chamber pull-down/pull-up characteristics
(Outside air temperature 20°C Power source: AC 100V/50Hz)

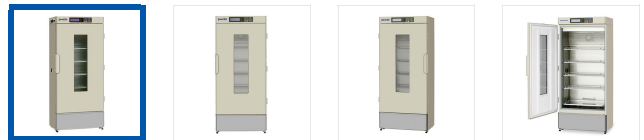


Temperature pull-down characteristics for thermal load in chamber
(Ambient temperature 35°C Power source: AC100V/50Hz)



*The data shown above are taken with the fluorescent lamp turned off.
*Characteristics may vary depending on the product or operating conditions.

Product Photos



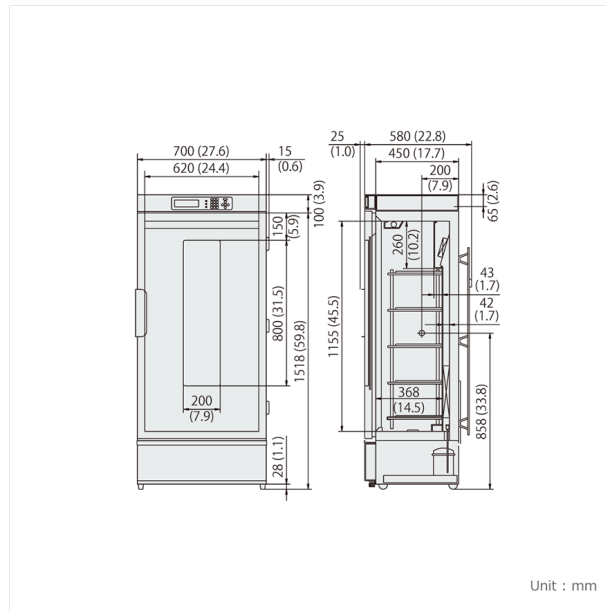
Specifications

External Dimensions (W x D x H)	700 x 580 x 1618 mm
Internal Dimensions (W x D x H)	620 x 368 x 1088 mm
Volume	238 litres
Net Weight	108 kg
Temperature Control Range	-10°C ~ +60°C (AT +5°C ~ +35°C, no load)

Temperature Fluctuation	±0.2 with Heater PID control (SV 50°C, Ambient Temp 20°C, No load), ±1.5 with Compressor control (SV 5°C, Ambient Temp 20°C, No load)
Temperature Uniformity	±0.5 (SV 37°C, Ambient Temp 20°C, No load)
Controller	Microprocessor PID System (ON-OFF control when compressor operates)
Display	LCD
Temperature Sensor	Thermistor
Cooling Method	Forced air circulation
Compressors	250 W
Refrigerant	
Insulation Material	PUF
Insulation Thickness	40 mm
Exterior Material	Painted steel
Interior Material	
Outer Doors	
Outer Door Lock	MIR-LP option
Reversible Door	
Inner Doors	
Shelves	
Max. Load Per Shelf	20 kg
Max. Total Load	100 kg
Access Port	1
Access Port Position	left side
Access Port Diameter	40
Interior Fluorescent Lamp	1, 15 W, with MIR-L152 option
Power Failure	-
High Temperature	V-B-R
Low Temperature	V-B-R
Door Open	V-B
Power Supply	Local
Frequency	Local
Noise Level	44 dB

Price

Dimensions



Cooled Incubators

MIR-554 Cooled Incubator

Effective capacity 406L

Temperature range -10°C to +60°C



Features

All-round performance

The MIR-554 Cooled Incubator with a capacity 406 liters of is recognized as an exceptional unit suitable for a wide range of applications requiring a -10°C to +60°C environment. The wide variety of temperature and lighting patterns that are essential in research, environmental studies and testing can now be accurately reproduced and controlled.

PHC also offers two other sizes of the same type MIR Cooled Incubators:

- MIR-154
- MIR-254

Benefits

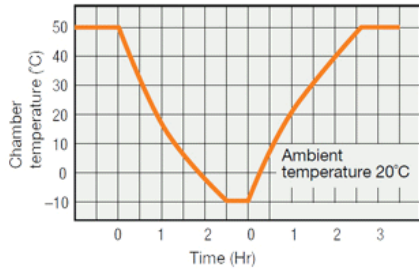
- Programmable with 12 step, 10 program capability.
- Wide temperature range from -10°C to +60°C with excellent uniformity.
- Multi-purpose for a wide range of applications from the food industry to water treatment and microbiology.
- Precise Temperature Control For Accurate, Repeatable Conditions.
- Chamber temperature uniformity $\pm 0.5^{\circ}\text{C}$.
- Energy Saving Operation.
- Ultimate Secure, Comprehensive Alarm System.
- Modern Design for Exceptional Usability.
- Ultimate Security and Sample Safety.

Features

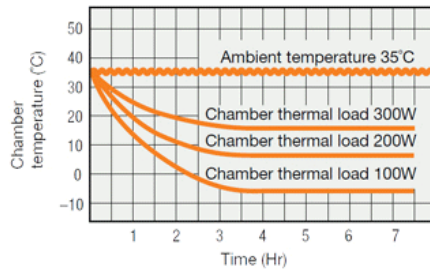
- High precision microprocessor controller combined with a heater P.I.D. and compressor On-Off system.
- Wide temperature range settable from -10°C to +60°C with control up to $\pm 0.1^{\circ}\text{C}$.
- Chamber temperature uniformity $\pm 0.5^{\circ}\text{C}$.
- Energy Saving Operation.
- Intelligent LCD Controller.
- Automatic Setting Temperature Alarm.
- Independent Over-temperature Protection Device.
- Programmed Memory Back-up Mechanism.
- Automatic Return Buzzer Switch.
- Key Lock.
- Trouble Monitor (Self Diagnostic Function).

Performance

Chamber pull-down/pull-up characteristics
(Ambient temperature 20°C Power source: AC100V/50Hz)



Temperature pull-down characteristics for thermal load in chamber
(Ambient temperature 35°C Power source: AC100V/50Hz)



*The data shown above are taken with the fluorescent lamp turned off.
*Characteristics may vary depending on the product or operating conditions.

Product Photos



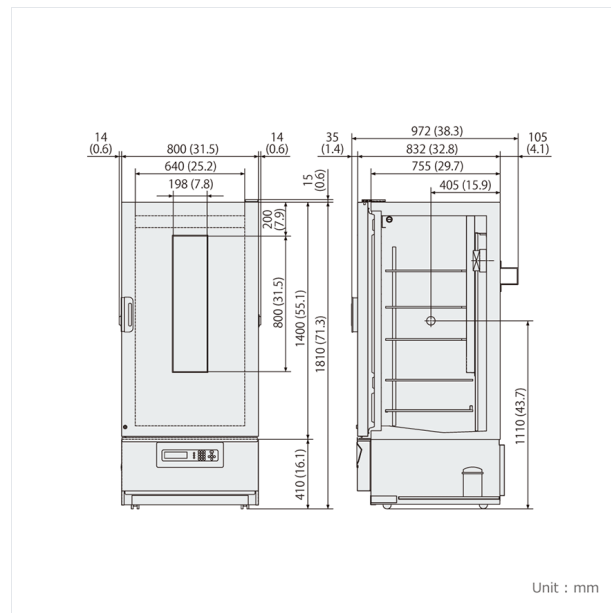
Specifications

External Dimensions (W x D x H)	800 x 832 x 1810 mm
Internal Dimensions (W x D x H)	640 x 550 x 1160 mm
Volume	406 litres
Net Weight	195 kg
Temperature Control Range	-10°C ~ +60°C (AT +5°C ~ +35°C, no load)

Temperature Fluctuation	±0.2 with Heater PID control (SV 50°C, Ambient Temp 20°C, No load), ±1.5 with Compressor control (SV 5°C, Ambient Temp 20°C, No load)
Temperature Uniformity	±0.5 (SV 37°C, Ambient Temp 20°C, No load)
Controller	Microprocessor PID System (ON-OFF control when compressor operates)
Display	LCD
Temperature Sensor	Thermistor
Cooling Method	Forced air circulation
Compressors	250 W
Refrigerant	
Insulation Material	PUF
Insulation Thickness	80 mm
Exterior Material	Painted steel
Interior Material	SS SUS-304
Outer Doors	
Outer Door Lock	
Reversible Door	
Inner Doors	
Shelves	
Max. Load Per Shelf	50 kg
Max. Total Load	250 kg
Access Port	
Access Port Position	left and right side
Access Port Diameter	40
Interior Fluorescent Lamp	1, 15 W, with MIR-L152 option
Power Failure	-
High Temperature	V-B-R
Low Temperature	V-B-R
Door Open	V-B
Power Supply	Local
Frequency	Local
Noise Level	45 dB

Price

Dimensions



По вопросам продаж и поддержки обращайтесь:

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