

Philips Car thermal box
Car thermal box

Fast cooling and freezing*1

48 hr cool with power off*2

Quiet and easy to use

Durable design

LUMTB510X1



Safe storage on the go

Powerful temperature control for safe storage.

Philips TB5101 is a high-capacity thermal box for your vehicle. With powerful refrigeration, it keeps your items inside cold or frozen. So whether you're on a road trip or you're driving for work, the items stay fresh.

Built for tough conditions

- Designed to withstand shakes and up to 40° tilts*8
- Prevents your car battery from draining
- Slide-proof pads keep device securely in position
- Works safely with 12 V cars and 24 V trucks

Quiet and easy to use

- Easy to use with touch control and LCD display
- Dual modes for powerful cooling or energy saving
- Large storage capacity of up to 16.5 litres*5
- Operates quietly at less than 45 decibels*7

Powerful temperature control

- Fast cooling and freezing keeps the item fresh*1
- Keeps items cool for 48 hours even with the power off*2
- Choose the proper temperature from a wide range

PHILIPS

Car thermal box

Fast cooling and freezing*1 48 hr cool with power off*2, Quiet and easy to use, Durable design

Highlights

Wide temperature range

With an efficient refrigeration system, the Philips LUMTB5101/LUMTB5101G can reach temperatures as low as -22°C *4. This wide temperature range makes it suitable for a variety of storage needs, and you can easily adjust the temperature to choose between cooling or freezing. It's recommended that fresh breast milk is stored at 4°C for up to 4 days or -18°C for 6 months.*3 Insulin should be stored at 8°C.*9

Fast cooling and freezing*1

When on the road, you might need to cool an item or keep it frozen while you get to your destination. Equipped with an advanced compressor, the Philips LUMTB5101/LUMTB5101G can drop the temperature to 0°C (32°F) in just 15 minutes, and to -10°C (14°F) in 20 minutes.*1 So no matter how hot it is outside, you don't have to worry about food or frozen items defrosting, or cold drinks warming.

Qualified insulation*2

Insulated with high-density foam, the Philips LUMTB5101/LUMTB5101G reduce heat transfer, locking in cool temperatures for longer. This means that even with the power off, your items will be kept cool for up to 48 hours after you switch off the device*2, which is great if you want to turn off the car engine and still keep the items inside cool.

Large storage capacity

The Philips LUMTB5101/LUMTB5101G can hold a large amount of food and liquid. With a capacity of 16.5 litres, it can store 27 cans of beverage (330 ml) or 15 bottles of water (550 ml)*5. This makes it great for road trips, commercial trucking, camping and other outdoor activities.

Dual modes to save energy

Do you need your thermal box cooled quickly? Then select HH mode to use the full power of the refrigeration system. Need to keep items cool, but not in a hurry to reduce the temperature? Then select ECO mode to save energy — it consumes less than 1 kWh per week.*6

Control it with a touch

With a quick touch of the control panel, you can set the temperature, select battery protection mode, and choose between full power and ECO mode. The LCD display also helps you easily check the temperature, even when it's dark.

Operates quietly

The Philips LUMTB5101/LUMTB5101G has been designed to operate at less than 45 decibels, which is comparable to the background noise in a quiet suburb, so it is unlikely to disturb you while you drive or rest in your vehicle.*7

Secure non-slip design

The LUMTB5101/LUMTB5101G is equipped with slide-proof pads on the base so that you don't damage your vehicle, the device or its contents. This means you can easily install it where it's convenient for you (such as in the boot), because it won't easily slide around as you accelerate, corner and brake.

Anti-shake and anti-tilt

The LUMTB5101/LUMTB5101G is designed for the reality of the road. It is built to withstand the shakes and vibrations of bumpy roads. Plus, it can cope with very steep inclines, up to 40° (which means it can cope with all roads on the planet). It's so tough that you can even use your thermal box when driving off-road.*8

Protects your car battery

There is no point enjoying chilled food and drink to find that your car battery is dead as a result. With a 3 level (high, medium or low) battery protection function, the LUMTB5101/LUMTB5101G is designed not to deplete your vehicle's battery. The device will detect the DC voltage and automatically shut off the compressor when it reaches a cut-off value, protecting your battery.

Suitable for cars and trucks

The Philips LUMTB5101/LUMTB5101G is compatible with the power outputs of different vehicles. So whether you're in a 12 V car or a 24 V truck, you can safely use the thermal box to store items at just the right temperature.

LUMTB510X1/00

Specifications

Product description

- Automatic On/Off
- Power [W]: 56
- Technology: Compressor
- Refrigerant type: 600a
- Volume (L): 16.5
- Noise level (db) (GB/T std): 45
- Operation mode: HH/ECO
- Battery protection: 3 levels
- Voltage [V]: 12/24
- Storage bin dimensions (mm): 327*275*190
- Refrigerant weight (g): 20

Performance

- Temperature range: down to -22°C
- Climate class: SN N ST T
- Cooling time from 20°C to 0°C: 15 minutes
- Freezing time from 20°C to -10°C: 20 minutes
- Tilt angle: 40°
- Certification: CCC, RoHS, CB, UKCA, FCC, CE

Logistic data

- Quantity in box: 1

* 1 Monitor thermal box fast cooling time from 20°C to 0°C in 15 minutes and freezing time from 20°C to -10°C in 20 minutes. Tested by in-house lab with an environment temperature at 20°C, on an empty thermal box. Applies to thermal box. Temperature drop of content will vary.

* 2 Monitor thermal box temperature display when it's powered off. Tested by in-house lab on a fully loaded thermal box with an environmental temperature at 32°C, turning off the power once the box reached a temperature of -20°C. Applies to thermal box. Temperature drop of content will vary.

* 3 Sources regarding safe storage temperatures for breast milk: Human milk storage guidelines by CDC USA.

* 4 Temperature range: down to -22°C. Monitor thermal box temperature range. Tested by in-house lab with an environmental temperature at 20°C on an empty thermal box, measuring the temperature drop curve.

* 5 Actual storage capacity measured by in-house lab.

* 6 DC power supply to monitor thermal box ECO mode power consumption. Tested by in-house lab with an environmental temperature at 25°C on an empty thermal box, setting the temperature to -20°C and measuring 1 working cycle power consumption. 1 week power consumption based on driving 2.2 hours per day.

* 7 Noise level tested by an in-house lab with an environment temperature at 25°C and working in HH mode.

* 8 Tested by internal lab, by tilting the thermal box at an angle of 40° for 2 mins when the device is powered. Use sealed containers to avoid spills.

* 9 Sources regarding safe storage temperatures for insulin: Storage of insulin by Consumer Medsafety.org. Please always check the medicine label/instructions to find out the specific storage conditions.



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