Philips Thermal box
Thermal box

Fast cooling and freezing

Powerful temperature control
Versatile and easy to use
Durable built-to-last design

LUMTB520X1

Fast cooling and freezing on the road

Powerful refrigeration to store food and drinks

Philips TB5201 is a high-capacity thermal box for your vehicle. With two separate compartments, you can chill or freeze items. Its powerful, eco-friendly refrigeration rapidly cools food and drinks*.

Dual storage compartments
- Two compartments provide two independent storage zones

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

Versatile, easy-to-use design
- Large storage capacity of up to 18 litres*****
- Versatile design with reversible door
- Dual modes for powerful cooling or energy saving
- Easy to use with touch control and LCD display
- Easy maintenance with drain outlet

PHILIPS

Thermal box

Fast cooling and freezing Powerful temperature control, Versatile and easy to use, Durable built-to-last design

LUMTB520X1/00

Highlights

Dual storage compartments
With two separate compartments, the Philips TB5201 offers you flexible storage for food and drinks. So when you're on the road, you and your friends can enjoy chilled drinks and snacks, or you can keep refreshing ice-creams frozen.

Wide temperature range
With an efficient refrigeration system, the Philips TB5201 can reach temperatures as low as -22°C*. 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.**

Fast cooling and freezing***
When on the road, you might need to quickly cool or freeze items. Equipped with an advanced compressor and an upgraded conductive aluminium liner, the Philips TB5201 offers high-performance refrigeration.The device can drop the temperature to 0°C (32°F) in just 15 minutes and to -10°C (14°F) in 25 minutes.*** So no matter how hot it is outside, you don't have to worry about food or frozen items defrosting, or cold drinks warming.

Keeps cool with the power off
Insulated with high-density foam, the Philips TB5201 minimises heat transfer, locking in cool temperatures for longer. It takes 48 hours to rise to 0°C from the device's lowest deep-freeze temperature of -22°C. That means frozen items will stay frozen for 2 days even with the power off****, which is great if you want to turn off the car engine and still keep your food and drinks cool.

Large storage capacity
The Philips TB5201 can hold a large amount of food and liquid. With a capacity of 18 litres, it can store 30 cans of beverage (330 ml) or 16 bottles of water (550 ml)*****. This makes it great for road trips, commercial trucking, camping and other outdoor activities.

Useful versatile design
On other cooling devices, the door position may be fixed and only open in one direction. Depending on the placement of the device, if the door position is fixed, it may prevent it from opening fully or it may be inconvenient to remove items. With the Philips TB5201, you can easily detach the door and reverse the opening direction, so you're free to position the device wherever works best for you.

Dual modes to save energy
Do you need your Philips TB5201 cooled quickly? Then select Max 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.******

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.

Easy to maintain
When cleaning the device, instead of using an old cloth to slowly mop up the excess water, you simply unplug the drain and the water pours away. Plus, the interior can easily be wiped clean. This makes cleaning the device much faster and easier.

Anti-shake and anti-tilt
The Philips TB5201 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 of up to 40° (which means it can cope with the steepest roads on the planet). It's so tough that you can even use your thermal box when driving off-road.*******

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 Philips TB5201 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 TB5201 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 the items at just the right temperature.

Eco-friendly refrigerant
The Philips TB5201 uses eco-friendly refrigerant R600a, which has zero ODP (Ozone Depleting Potential), a low GWP level (Global Warming Potential) and high efficiency.*8 Because of this, it is a much more sustainable refrigerant option and helps to protect the environment. The device is also built to exacting manufacturing standards, so not only can you rely on its quality and performance, you can be sure that it's a product built to last.

Specifications

Product description
- Automatic On/Off
- Power [W]: 56
- Technology: Compressor
- Refrigerant type: 600a
- Volume (L): 18
- Noise level (db) (GB/T std): <50
- Operation mode: MAX/ECO
- Battery protection: 3 levels
- Voltage [V]: 12/24
- Refrigerant weight (g): 16
- Big compartment size (mm): 248*295*250
- Small compartment size (mm): 245*150*40

Performance
- Temperature range: Down to -22?
- Climate class: SN N ST T
- Cooling time from 20°C to 0°C: 15 minutes
- Freezing time from 20°C to -10°C: 25 minutes
- Tilt angle: 40°
- Certification: CCC, RoHS, CB, UKCA, FCC, CE

Logistic data
- Quantity in box: 1
- EAN1: 6974260729558
- Ordering code GOC: 72955866

* *Temperature range: room temperature to -22°C Monitor thermal box temperature range. Tested by inhouse lab with an environment temperature at 20°C, on an empty thermal box, measuring the temperature drop curve.
* **Sources regarding safe storage temperatures for breast milk: Human milk storage guidelines by CDC USA.
* ***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 environmental temperature at 20°C on an empty thermal box. Applies to thermal box. Temperature drop of content will vary.
* ****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 contents will vary.
* *****Actual storage capacity measured by in-house lab.
* ******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.
* *******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.
* ********Datasource of ODP and GWP: R-600a Isobutane Refrigerant Fact & Info Sheet. https://refrigeranthq.com/r-600a-isobutane-refrigerant-fact-info-sheet/

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