

B.A.M. CAR FANS

The WNT series of car fans are professional cooling devices powered directly from the cigarette lighter socket. Designed to improve thermal comfort in vehicles without air conditioning or to supplement existing ventilation systems, they are suitable for use in passenger cars, vans, trucks, and agricultural machinery such as tractors and combine harvesters. The entire series is CE certified.

- **Model WNT001 - Rotary fan with clip (12V)**
 - **Application:** Designed for 12 V electrical installations (passenger cars, smaller buses).
 - **Design:** A single-propeller windmill equipped with a large rotor with a diameter of 8 inches (approximately 20 cm).
 - **Installation:** Equipped with a strong, large mounting clip (Klips-XL version) that allows you to quickly attach the device to the dashboard, sun visor or other cabin elements.
 - **Efficiency:** The device operates with a rated power of 20 W.
 - **Functionality:** It offers automatic horizontal oscillation and mechanical tilt adjustment. The power cord is approximately 120 cm long.
 - **Security:** The rotating blades are protected by a dense metal protective mesh.
- **Model WNT002 - Rotary fan with clip (24V)**
 - **Application:** Designed for 24 V installations (trucks, buses, construction and agricultural machines).
 - **Design:** Single-propeller model with a rotor diameter of 8 inches (approximately 20 cm).
 - **Installation:** It has an integrated, solid clip-type holder (Klips-XL) for stable mounting inside the work cabin.
 - **Efficiency:** Power consumption is 20 W.
 - **Functionality:** Like the 12V version, this model features automatic oscillation and up-down adjustment. It comes with an approximately 120 cm cable with a cigarette lighter plug.
 - **Security:** A durable metal grill protects against accidental contact with the propeller.
- **Model WNT004 - BI-TURBO twin-blade fan (12V)**
 - **Application:** Designed for vehicles with a 12 V electrical system (passenger cars and vans).
 - **Design:** A modern two-head model (BI-TURBO) consisting of two independent fans with a diameter of 5 inches each (5" x 2). The weight of the entire device is 0.80 kg.
 - **Installation:** Stable, flat base designed for permanent mounting on the cockpit using strong double-sided tape or screws.
 - **Efficiency:** The total rated power of the device is 15 W.
 - **Functionality:** Each head rotates independently a full 360 degrees around its own axis, allowing for precise airflow direction (e.g., simultaneously to the driver and passenger). It features a two-stage airflow switch (Low/High).
 - **Security:** The housing and dense rotor covers are made of durable plastic.
- **Model WNT005 - BI-TURBO twin-blade fan (24V)**
 - **Application:** Designed for vehicles and machines with a supply voltage of 24 V (trucks, agricultural tractors, excavators).
 - **Design:** Dual BI-TURBO design with two independent 5-inch diameter rotors. The unit weighs 0.80 kg.
 - **Installation:** Suitable for sticking or screwing to flat surfaces on the vehicle's dashboard.
 - **Efficiency:** Energy-saving motor with a total power of 15 W.
 - **Functionality:** It offers complete freedom in adjusting the airflow direction – both heads can be rotated 360 degrees. A switch on the housing allows you to choose between two speed levels.
 - **Security:** Safe plastic covers prevent accidental contact with the fan blades.

OPERATING AND SAFETY INSTRUCTIONS

OPERATING AND SAFETY INSTRUCTIONS: WNT001, WNT002, WNT004, WNT005 SERIES

1. Before first use

- **Voltage verification:** Before connecting, make sure the rated voltage of the selected fan model (12V or 24V) matches the voltage of your vehicle's electrical system. Connecting a 12V fan to a 24V socket will permanently damage it.
- **Technical condition:** Check that the housing, propellers, power cord and cigarette lighter plug have no visible mechanical damage.

2. Device assembly

- **Models with clip (WNT001, WNT002):** Clamp the clip to a stable structural member inside the cabin (e.g., a sun visor, a pipe, or the edge of a shelf). Make sure the fan won't fall off when driving over bumps.
- **BI-TURBO models (WNT004, WNT005):** Degrease and dry the dashboard surface where you plan to install it. Attach the fan base using the factory double-sided tape or secure it to a stable surface with dedicated screws.
- **Visibility and safety:** The fan should be mounted in a place that does not restrict the driver's field of vision and does not block the factory airbags.

3. Operation and adjustment

- **Connection:** Make sure the switch on the fan is in the off position (0 or OFF), then insert the plug firmly and fully into the cigarette lighter socket.
- **Startup and speed:** Select the desired blower power level using the switch:
 - **LO / 1** – slower, quieter operation (ideal for maintaining temperature).
 - **HI / 2** – maximum blowing power (for quick cooling of the cabin).
- **Direction adjustment:**
 - In models **BI-TURBO** manually set the desired angle of both heads (360° rotation).
 - In models with **clip** Loosen the joint locking screw, adjust the up-down angle, and tighten the locking screw. To activate the automatic swing (oscillation), press the pin located on the upper motor housing. Pulling the pin up locks the movement in one position.

4. Rules for safe use

- **Hand protection:** Under no circumstances should you insert fingers, pencils or other objects through the protective mesh while the device is operating.
- **Vehicle parking:** Always unplug the cigarette lighter plug after turning off the engine. In many vehicles, the cigarette lighter socket also works when the key is removed, which can completely discharge the battery.
- **Cleaning and maintenance:** Before cleaning, always disconnect the power supply. Wipe the housing with a dry or slightly damp cloth. Protect the motor and plug from direct contact with water or other liquids.