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Operating instructions



The unit complies
with the correspond-
ing EC guidelines.



Fig. 1: Air Blower, 13772-97

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1 SAFETY PRECAUTIONS



Attention!

- Carefully read these operating instructions completely before operating this instrument. This is necessary to avoid damage to it, as well as for user-safety.
- Only use the instrument for the purpose for which it was designed.

- Check that your mains supply voltage corresponds to that given on the type plate fixed to the instrument.
- Install the instrument so that the on/off switch and the mains connecting plug are easily accessible.
- Do not cover the ventilation slots.
- Take care that no liquids or objects enter in through the ventilation slots.
- Only use the instrument in dry rooms in which there is no risk of explosion.
- Do not connect high voltage power supplies in series.
- Do not start up this instrument in case of visible signs of damage to it or to the line cord.

2 PURPOSE AND INTENDED USE

Low noise, continuously adjustable air blower.

3 OPERATING INSTRUCTIONS

This high-quality instrument fulfils all of the technical requirements that are compiled in current EC guidelines. The characteristics of this product qualify it for the CE mark.

This instrument is only to be put into operation under specialist supervision in a controlled electromagnetic environment in research, educational and training facilities (schools, universities, institutes and laboratories).

This means that in such an environment, no mobile phones etc. are to be used in the immediate vicinity. The individual connecting leads are each not to be longer than 2 m.

4 HANDLING

The air blower works quietly and generates a steady airflow. It is continuously variable so that it can be adapted to the different masses of the gliders.

Airflow adjustment

Turn the control knob to 0 and switch the device on. Slowly turn the control knob clockwise. The blower motor starts to run when the control knob approximately reaches position 2. Increase the airflow until the gliders lift off the track. Do not increase the airflow further. Otherwise, the resulting turbulences would cause the gliders to flutter. If this is the case, reduce the airflow.

5 TECHNICAL DATA

(Typical for 25 °C)

Operating temperature range 5...40 °C
Relative humidity <80 %

Airflow	1,02 m ³ /min at max. power
Pressure	867 Pa / 6,5 mm Hg at max. power
Noise	10–20 dB above ambient noise A normal conversation is possible in these levels
Connecting voltage	see type plate 230 V~ / 50 Hz
Fuse	F 5 A
Power	max. 350 W
Dimensions (mm)	183 x 295 x 204
Hose length	1.7 m
Weight	2.7 kg (without hose)

6 SCOPE OF SUPPLY

The following components are supplied:

- Air blower
- Power cord
- Pressure hose, e.g. for air track (art. no. 11202-28)

7 ACCESSORIES

The following accessories are available:

- Air track incl. standard accessory 11202-18
- Air track, complete 11202-88

8 WARRANTY

We give a warranty of 24 months for units that we have supplied inside the EU, and a warranty of 12 months outside the EU. The following is excluded from the warranty: damage that is due to non-compliance with the operating instructions, improper use or natural wear.

The manufacturer can only be held liable for the function and safety-relevant properties of the unit if the maintenance, service and modifications of the unit are performed by the manufacturer or by an institution that is expressly authorised by the manufacturer.

9 DISPOSAL

The packaging mainly consists of environmentally-friendly materials that should be returned to the local recycling stations.



Do not dispose of this product with normal household waste. If this unit needs to be disposed of, please return it to the address that is stated below for proper disposal.

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