

TURBOVAC i/iX

Air Cooling Axial and Radial

Brief Instructions 300429072_002_C1

P/N

800136V0007	Air Cooling 90 radial
800136V0008	Air Cooling 90/250 axial
800136V0010	Air Cooling 90/250 axial, angle connector
800136V0009	Air Cooling 250 radial
800136V0005	Air Cooling 350/450 radial
800136V0006	Air Cooling 350/450 axial
800136V0013	Air Cooling 350/450 axial, angle connector

Description

The air coolings serve the purpose of cooling the TURBOVAC i/iX turbo-molecular pumps from Leybold. Please refer to the Operating Instructions for the respective pump giving information to which pumps these air coolings may be connected.

Fitting to other pumps or operation without having fitted the air coolings properly first is prohibited.

Supplied Equipment

Pre-assembled fan in housing with power supply cable with M8 plug.

The 3 bolts for fitting the air cooling unit to the TURBOVAC i/iX are in the case of the axial fans pre-installed; for the radial fans these bolts have been included separately.

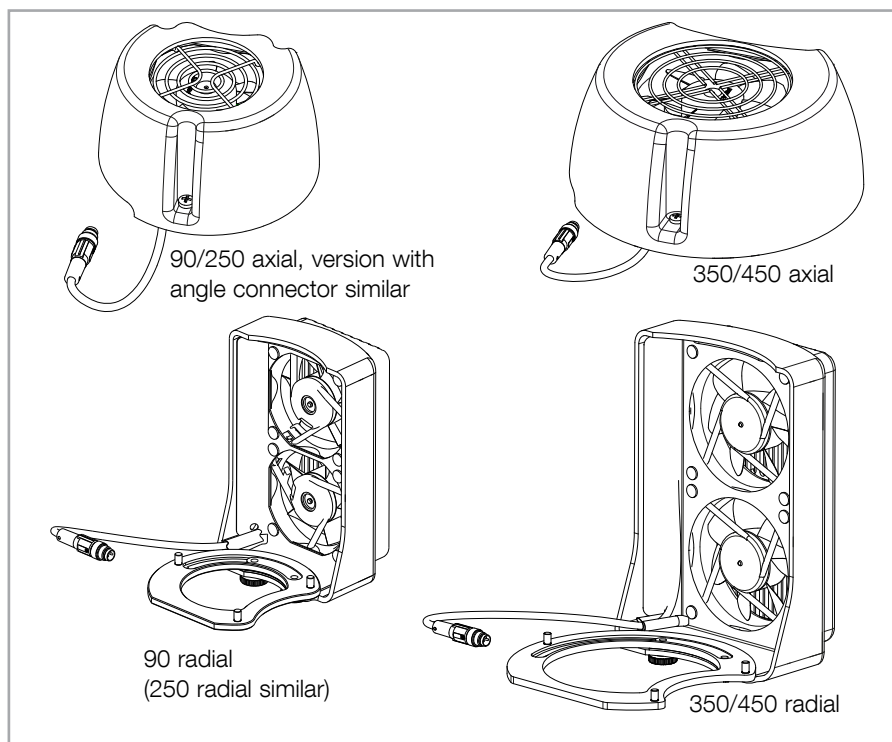


Abb. 1 Air coolings

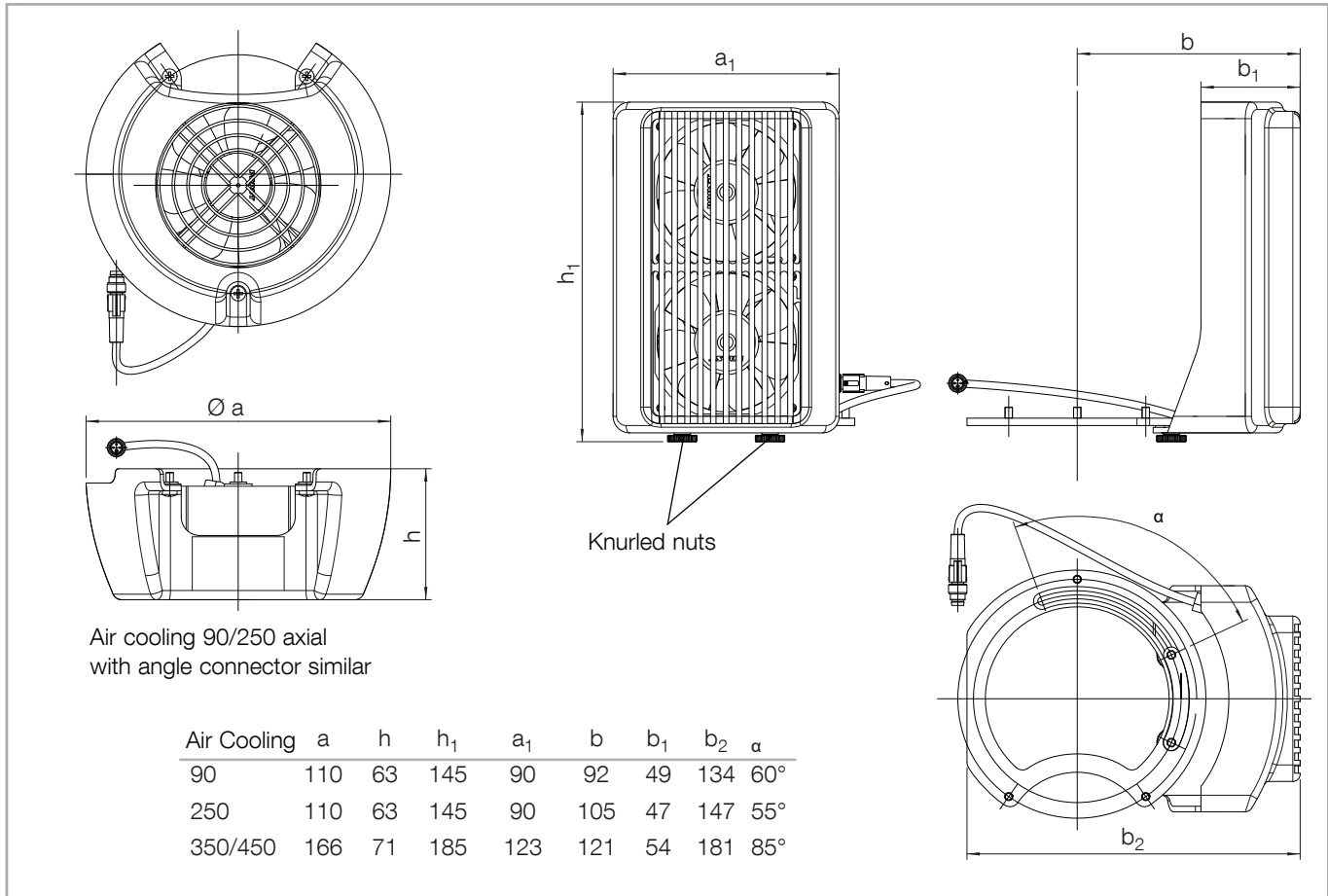


Fig. 2 Dimensional drawings, dimensions in mm

Technical Data

Air cooling	90 radial	90/250 axial	250 radial	350/450 radial	350/450 axial
Supply voltage	24 V DC				
Current rating	150 mA	125 mA	150 mA	200 mA	135 mA
Power rating	3.6 W	3.0 W	3.6 W	4.8 W	3.2 W
Volume flow	84 m³/h	56 m³/h	84 m³/h	158 m³/h	102 m³/h
Operating temperature	5 to 45 °C				
Ingress protection	IP 40				
Weight, approx.	370 g	200 g	370 g	580 g	350 g

Installation and Operation

Note the safety information given in the Operating Instructions for the pump.

Fit the air cooling only after having switched off and allowed the pump to cool down first.

Also note the operating instructions for the pump.

When installing the pump fitted with the air cooling into a system make sure that an adequate supply of fresh air can be sucked in. The air cooling is powered by the pump.

Use the 3 bolts which are included in the delivery to attach the air cooling unit at the bores provided on TURBOVAC. Connect the control cable of the air cooling to the accessory connection and secure the connection.

After loosening knurled nut, the air cooling radial can be turned by an angle up to α .

CAUTION



EU Declaration of Conformity



This declaration of conformity is issued under the sole responsibility of the manufacturer:

Leybold GmbH
Bonner Strasse 498
D-50968 Köln
Germany

Documentation Officer
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The product specified and listed below:

- Product: Air Cooler for TURBOVAC i/iX
- Model: Air Cooling Axial and Radial
- Part Number: 800136V0005, 800136V0006, 800136V0007, 800136V0008, 800136V0009, 800136V0010, 800136V0013

Is in conformity with the relevant Union harmonisation legislation:

2006/42/EC	EC Machinery directive Note: The safety objectives of the Low Voltage Directive 2014/35/EU were complied with in accordance with Annex 1 No. 1.5.1 of this directive.
2014/30/EU	Electromagnetic compatibility (EMC) directive Class B Emissions, Industrial Immunity
2011/65/EU	Restriction of certain hazardous substances (RoHS) directive as amended by Delegated Directive (EU) 2015/863

Based on the relevant requirements of harmonised standards:

EN 1012-2:1996 +A1:2009	Compressors and vacuum pumps. Safety requirements. Vacuum pump
EN IEC 61326-1:2013	Electrical equipment for measurement, control and laboratory use. EMC requirements. General requirements
EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

This declaration, based on the requirements of the listed Directives and EN ISO/IEC 17050-1, covers all product serial numbers from this date on: 2025-09-15

You must retain the signed legal declaration for future reference

This declaration becomes invalid if modifications are made to the product without prior agreement.



*Ian Keech – VP Engineering, Scientific Vacuum Division
Burgess Hill*



*Rene Rose Stueber – General Manager
Product Company Cologne*



Declaration of Conformity

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- Product: Air Cooler for TURBOVAC i/iX
- Model: Air Cooling Axial and Radial
- Part Number: 800136V0005, 800136V0006, 800136V0007, 800136V0008, 800136V0009, 800136V0010, 800136V0013

The object of the declaration described above is in conformity with relevant statutory requirements:

Supply of Machinery (Safety) Regulations 2008 The objectives of the Electrical Equipment (Safety) Regulations 2016 are governed by Annex 1 1.5.1 of this regulation.

Electromagnetic Compatibility Regulations 2016
Class B Emissions, Industrial Immunity

Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

Relevant designated standards or technical specifications are as follows:

EN 1012-2:1996 +A1:2009	Compressors and vacuum pumps. Safety requirements. Vacuum pump
EN IEC 61326-1:2013	Electrical equipment for measurement, control and laboratory use. EMC requirements. General requirements
EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

This declaration, based on the requirements of the listed Statutory Instruments and EN ISO/IEC 17050-1, covers all product serial numbers from this date on: 2025-09-15

You must retain the signed legal declaration for future reference

This declaration becomes invalid if modifications are made to the product without prior agreement.

Signed for and on behalf of Leybold GmbH



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