



Room unit RONDO



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Room Unit Model RONDO

Contents

Description	3
Construction	3
Model	3
Models and dimensions	4
Dimensions	4
Technical Data	5
Specification texts	5

Room Unit Model RONDO

Description

The single room ventilation "Room unit Rondo" has been particularly developed **to ventilate and air single rooms**. This allows for a **very cost-effective single room ventilation system** as the duct system is not required compared with complete installations. This means greatly **reduced installation costs** and very **low cleaning expenses**, as after removal of the heat exchanger the room unit can be completely cleaned.

The heat in the return air is transmitted to the supply air at a heat recovery of 60% via the heat exchanger integrated in the unit. The room unit **operates only when required**, which can be regulated via a multiple contact switch.

Wall thicknesses of 300 to 400 mm can be balanced individually with a sliding connection pipe attached to the outer grille. **To reduce noise**, the housing **is lined completely with sound-insulating material**.

Function

If required, the Rondo is set to the preferred power stage via the multiple contact switch. Fresh air is drawn in via the outer grille, and the return air is blown far away from the house. This prevents a direct suction of the consumed return air and on the other hand it avoids that dirt particles, transported by the return air, are deposited on the house wall.

Through the coupled fans, no over- or underpressure is created in the room, that is, each room creates its own pressure unit. The consumed air is removed from the room in which it is created. Thus no flow openings in the room doors are required. A fitted insect screen in the outer grille for the supply and return air prevents small objects from entering.

The fresh air filter on the inside must be serviced regularly to guarantee a hygienic atmosphere.

The complete delivery includes the assembled multiple contact switch and the ready-to-plug 2.5 m long connecting cable.

Cleaning and maintenance

The single room ventilation "Room unit Rondo" must be cleaned and serviced. When doing this, the filter must also be changed regularly.

The cleaning and maintenance intervals depend on the contamination and pollution of the outer air.

Construction

Outer grille

- aluminium with fitted wire mesh as insect protection
- plastic return air nozzles in RAL 9010 (white)

Filter

- class EU2

Housing

- galvanised sheet steel, painted in RAL 9010 (white).

Sliding connection pipe

- galvanised sheet steel, painted in RAL 9010 (white).

Fans

- coupled radial fans

Heat exchanger

- aluminium cross heat exchanger

Model

RONDO-H - for horizontal fitting

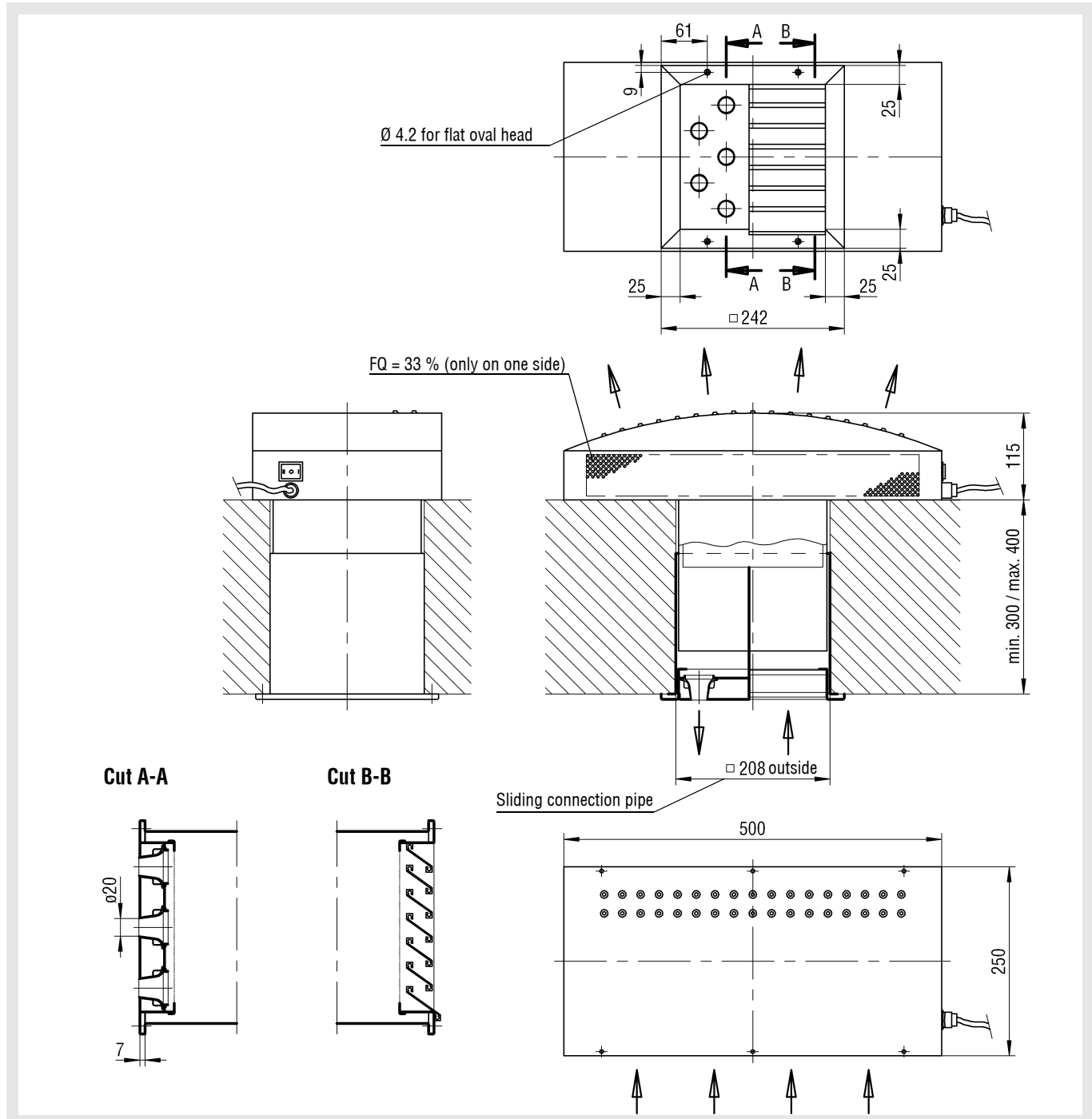
RONDO-V - for vertical fitting

Room Unit Model RONDO

Models and dimensions

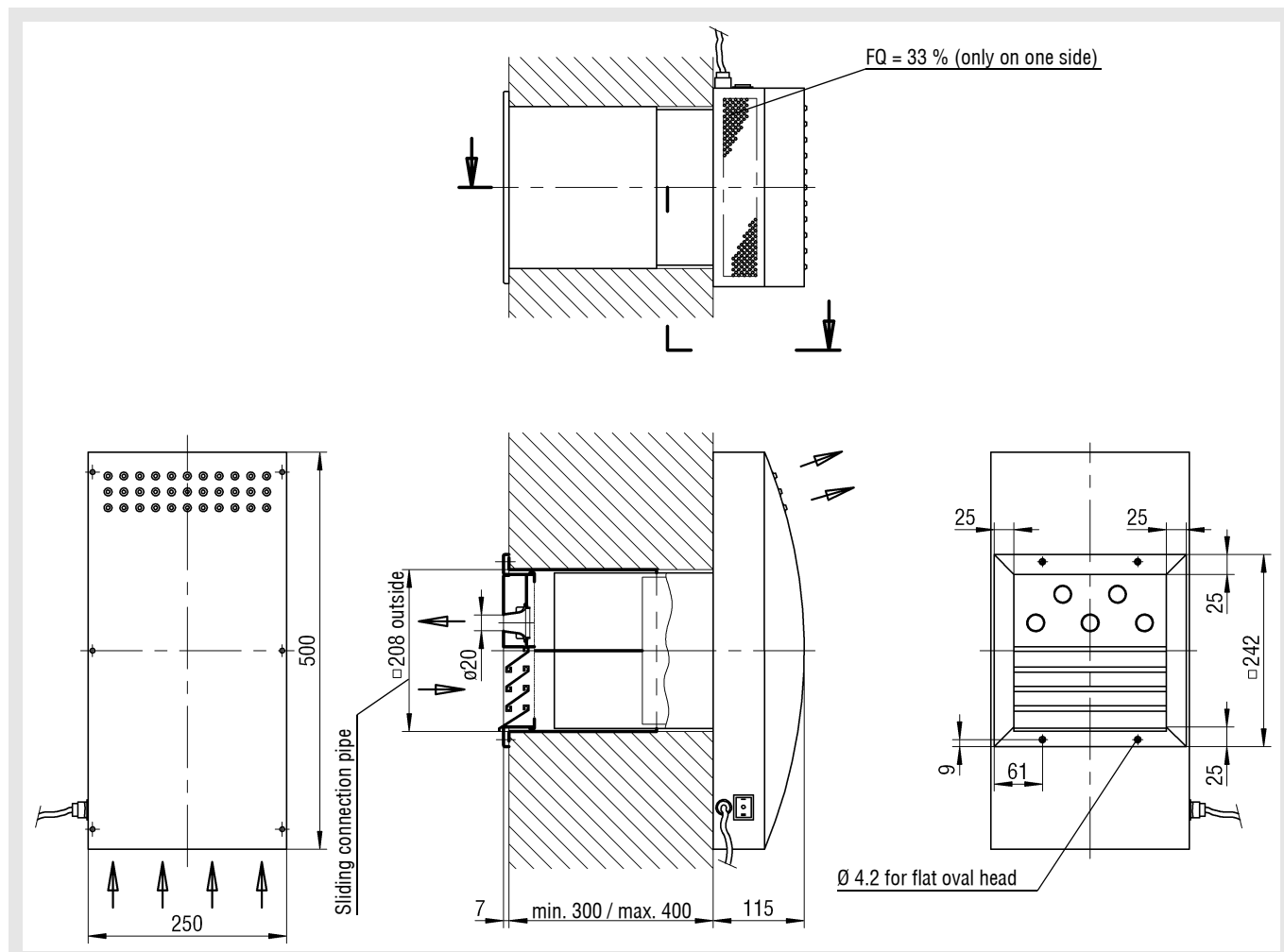
Dimensions

RONDO-H



Room Unit Model RONDO

RONDO-V



Technical Data

Electrical data:

Rated value	230 Volt 50 Hz
Total power	10 Watt

Supply / return air volume:

Stage 1	30 m ³ /h
Stage 2	50 m ³ /h

Specification texts

Room ventilation unit for horizontal installation into walls, particularly to ventilate and air single rooms, in a galvanised sheet steel housing, painted to RAL 9010 (white). With integrated heat exchanger (heat recovery of 60%) to recover heat from the return air for the supply air. Demand controlled via a multiple contact switch. Sliding connection pipes made of galvanised sheet steel, painted to RAL 9010 (white) on the outer grille to balance wall thicknesses from 300 to 400 mm.

The housing is lined with sound absorbing material to reduce noise. The radial fans are coupled. With a filter on the inside to clean the supply air. A fitted insect screen in the outer grille prevents small objects from entering.

Product: SCHAKO type **RONDO-H**

- to fit vertical into walls

Product: SCHAKO type **RONDO-V**