EYOTA 450

MORE TUTORIALS EYOTA



The Eyota 450 mechanical ventilation with heat recovery system ensures optimal air quality in **homes up to 350 m²**. It **filters the** incoming air, removing **humidity**, **CO_2** and **VOCs** while ensuring **thermal comfort** and **energy savings**. Its high-efficiency heat exchanger **recovers up to 93% of the heat from the extracted** air to warm the supply air.

STRENGTHS

> **Smart control and connectivity** with humidity and CO_2 sensors, remote control, and VA CONNECT mobile app

> **Energy savings**: heat recovery efficiency up to 93% and 100% modular bypass, active year-round

> **Installation flexibility**: vertical or horizontal branch connections

Description	Ref. no.
Eyota 450 CO2 LH	1303.0005
Eyota 450 CO2 RH	1303.0008

UP TO 450 m³/h

2-year guarantee

DESCRIPTION

- The unit is made of PPE with an ABS outer shell
- 2 very low consumption EC3 motors with constant flow
- 1 fine particle filter F7 - ePM2.5 70% and 1 pollen filter G4 - Coarse 60% *(according to ISO 16890 standard)*
- Integrated control screen
- 4 ventilation levels: low, normal, high, intense
- Integrated humidity, CO_2, temperature, and pressure sensors
- Option to add up to 32 optional sensors (humidity/temperature, CO_2 and presence) to customise the installation room by room



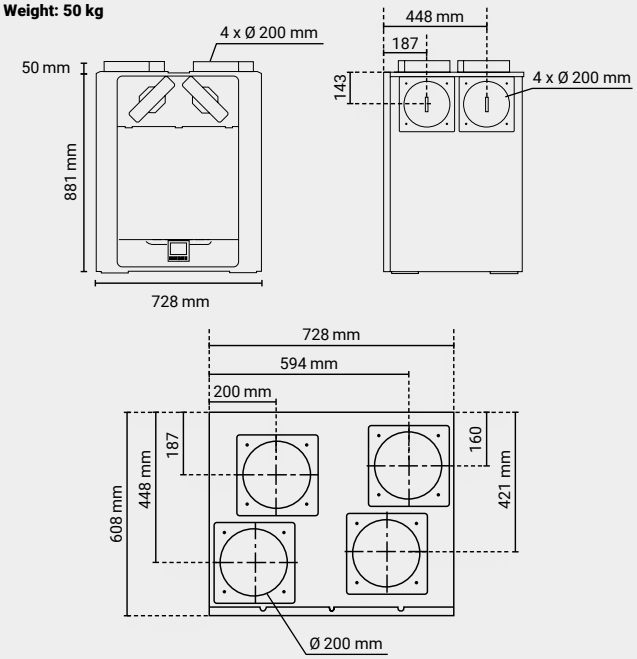
- Counterflow heat exchanger with up to 93% efficiency
- 100% modular bypass
- Integrated preheating system on the left (Eyota 450 CO2 LH) or right (Eyota 450 CO2 RH)
- 4 top connections, 2 left connections, 2 right connections
- Acoustic attenuator supplied
- Assisted configuration via the VA CONNECT mobile app
- 1.5 metre power cable

TECHNICAL DATA

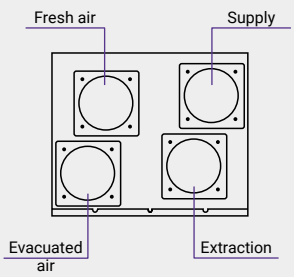
- Maximum flow rate: 450 m³/h
- Maximum recommended surface area: 350 m²
- Thermal efficiency: up to 93%
- Maximum power: 2 x 103 W (206 W)
- Energy rating: A+
- Voltage: 230 V 50 Hz
- Communication: RF868 MHz, RS485 input, Modbus, Bluetooth, WiFi, 5 digital inputs (reversible), 2 LS inputs, 2 0-10V inputs, LED output
- Maximum operating temperatures: -20°C / 40°C

DIMENSIONS

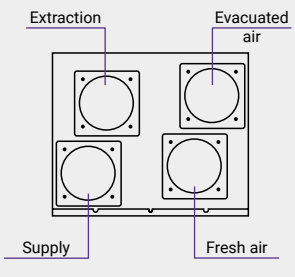
Weight: 50 kg



LEFT



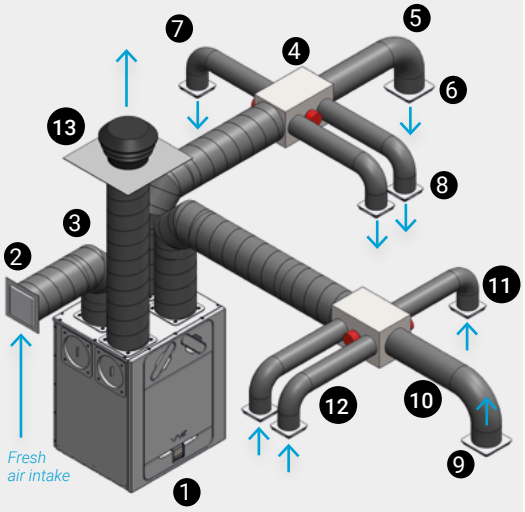
RIGHT



Complies with Eco-design directive 1253/2014 and energy labelling directive 1254/2014

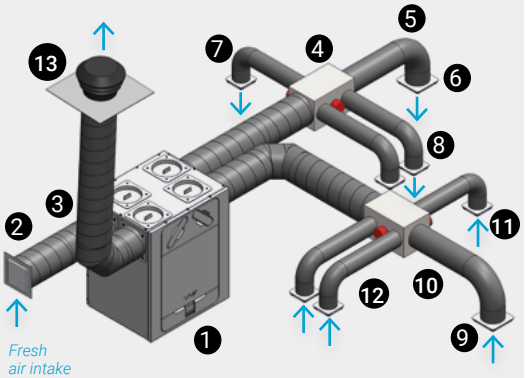
EXAMPLES OF A STANDARD SETUP

VERTICAL SETUP



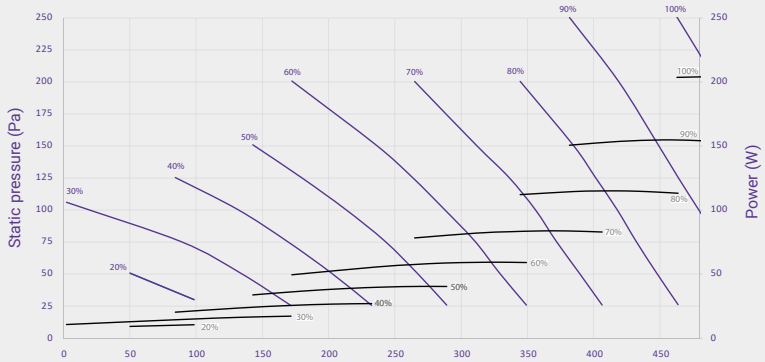
1. Unit Eyota 450 CO2 LH - **1303.0005**
   Eyota 450 CO2 RH - **1303.0008**
2. Outdoor rainproof grille - *Not supplied*
3. Duct Ø 200 mm in PEE, aluminium or PVC insulated - *Not supplied*
4. Distribution plenum - *Not supplied*
5. Semi-rigid insulated duct to lounge, living room Ø 125 mm - *Not supplied*
6. Vent kit + sleeve Ø 125 mm - **102.0017**
7. Semi-rigid insulated duct to bedrooms Ø 80 mm - *Not supplied*
8. Vent kit + sleeve Ø 80 mm - **102.0016**
9. Vent kit + sleeve Ø 125 mm - **102.0017**
10. Semi-rigid insulated duct to kitchen Ø 125 mm - *Not supplied*
11. Vent kit + sleeve Ø 80 mm - **102.0016**
12. Semi-rigid insulated duct to bathroom/toilet Ø 80 mm - *Not supplied*
13. Roof outlet Ø 200 mm - *Not supplied*

HORIZONTAL SETUP



PERFORMANCE

Air flow rate in m³/h	Load loss in Pa	Power input in W	SFP in W/m³h
250	50	37	0.15
350	100	83	0.24
450	200	182	0.40



Air flow rate in m³/h	Load loss in Pa	Sound power at the outlet in dB(A) (1)
285	160	50.4

(1) *Sound power level at the outlet, certified to NF205, measured with the supplied sound attenuator*

BOX CONTENTS

Description	Quantity
Eyota 450 CO2 module	1
Fine particle filter F7 - ePM2.5 70%	1
Pollen filter G4 - Coarse 60%	1
Wall-mounting bar	1
Acoustic attenuator Ø 200 mm	1

ACCESSORIES

Description	Ref. no.
Set of 2 pollen filters G4 - Coarse 60%	1304.0055
1 pollen filter M5 - ePM10 50%	1304.0056
1 fine particle filter F7- ePM2.5 70%	1304.0057
Additional connection Ø 200 mm	1304.0058
Connection with foam Ø 200 mm	1304.0059
4-position wireless control - batteries - SSU-B - white	1304.0070
4-position wireless control - 230 V - SSU-R - white	1304.0074
4-position wired control - 230 V - SSU-W - white	1304.0075
Wireless temperature/humidity sensor - batteries - white	1304.0067
Temperature/humidity sensor RS485/RF868 - 230 V - white	1304.0066
CO_2 sensor RS485/RF868 - 230 V - white	1304.0068
CO_2 sensor - 0-10 V - white	1304.0064
Presence sensor RS485 & RF868 - 230 V - white	1304.0071

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