HEAT RECOVERY UP TO 91%

REC IN LINEA TC

Centralized Heat Recovery Unit

2 - 8 rooms

Energy Class A

Comply with ErP Directive 2009/125/CE and EU Regulation 1253/2014
Residential Ventilation Unit.

- Tested by **BRE according to EN308.**
- Integrated by-pass.

CONTROLLER

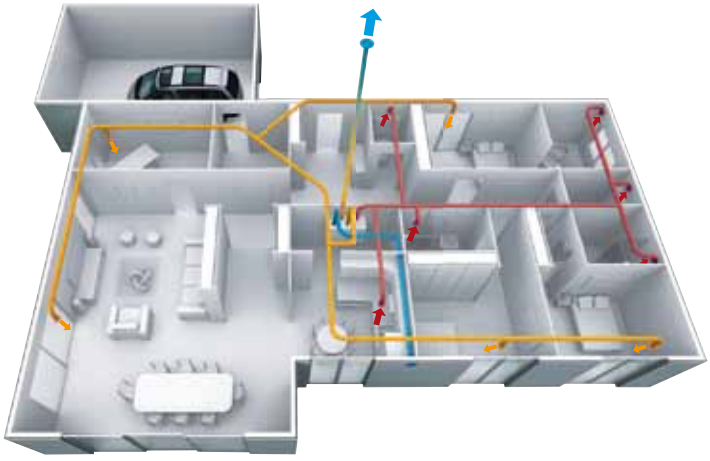
REC In Linea TC is supplied with a remote Panel Touch controller with coloured screen.
The panel allows to manually or automatically manage (through the weekly programming) the following functions:

- The Speed/ventilation level regulation
- The ventilation modality (by-pass function, free-cooling, only extraction, only immission)
- The threshold humidity level over which the unit increases its speed
- The post-ventilation function (Timer function, adjustable from 0 to 30 minutes) to delay the switching of the unit at the minimum speed)
- The Sleep modality that allow to have the unit running silently at low speed during the night

DESCRIPTION

- High efficiency centralized heat recovery units with thermal efficiency up to 91%.
- Compact and modular.
- Horizontal installation in false ceilings.
- Lightweight and easy to install.
- Suitable for ø 125 mm ducting system.
- Made in PPE for a perfect thermal and acoustic insulation.
- Provided with integrated by-pass.
- Multispeed high efficiency EC brushless motors.
- Low sound level.
- Filters class M6 in addition to the filters assembled.
- Supplied with fixing plate and control panel.
- IPX2.
- Comply with EN 60335-2-80, B.T. 2014/35/UE, EMC 2014/30/UE
- Performance measured by BRE according to EN 13141-7, EN 13101-4, EN 5801 and EN 308.
- CE marked

OPERATION



The centralized HRU is located in a technical room or in a false ceiling. The hot internal air extracted from the premises goes through a heat exchanger before being expelled outside. The fresh air coming from outside is first filtered and then goes through the exchanger where it recuperates the heat released by the extracted air.

MAICO ITALIA

MODELS

Complete range composed of 3 models for houses up to 8 rooms:

REC IN LINEA 140 TC

- Ideal for houses up to **4 rooms** and average surface of 80 sqm.
- Installation configuration: **2 intake points and 2 extract points.**
- Max airflow **140 m³/h.**

REC IN LINEA 180 TC

- Ideal for houses up to **6 rooms** and average surface of 100 sqm.
- Installation confi guration: **3 intake points and 3 extract points.**
- Max airflow **180 m³/h.**

REC IN LINEA 220 TC

- Ideal for houses up to **8 rooms** and average surface of 120 sqm.
- Installation configuration: **4 intake points and 4 extract points.**
- Max airflow **220 m³/h.**

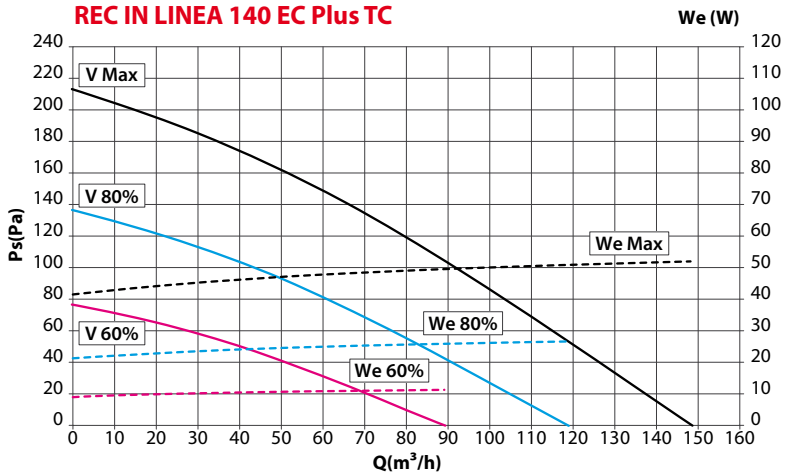
PERFORMANCE

MODEL	AIRFLOW MAX		PRESSURE MAX	V at 50 Hz	W max	A max	dB(A)*	kg.
	m³/h	l/s	Pa					
REC in linea 140 EC Plus TC	140	39	210	230	50	0,55	24	13
REC in linea 180 EC Plus TC	180	50	200	230	70	0,65	24	18,5
REC in linea 220 EC Plus TC	220	61	340	230	106	0,90	26	22

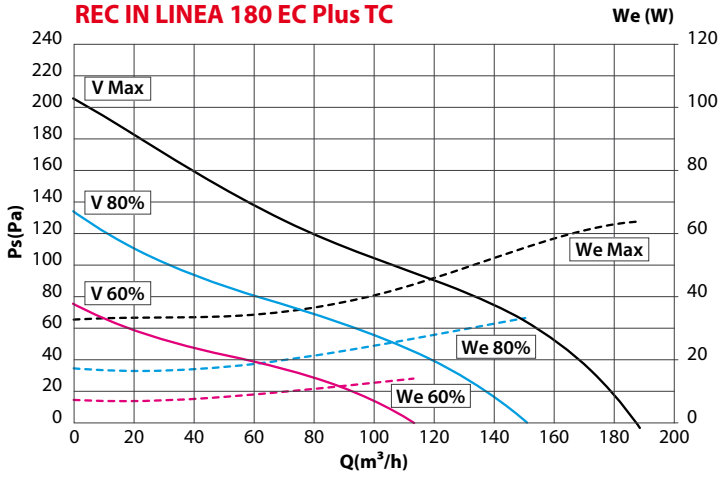
* Lp (A) measured at 3 m in open field 230V 50 Hz

CURVES

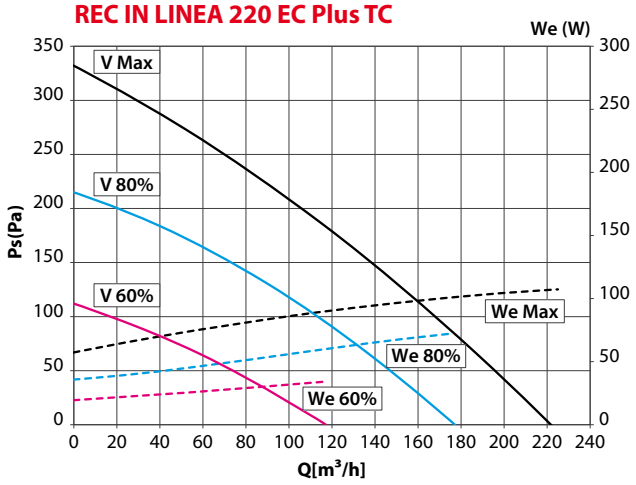
REC IN LINEA 140 EC Plus TC



REC IN LINEA 180 EC Plus TC

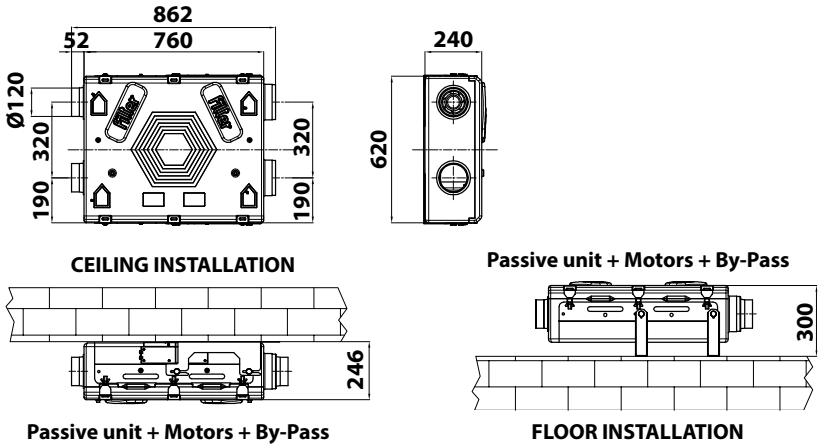


REC IN LINEA 220 EC Plus TC

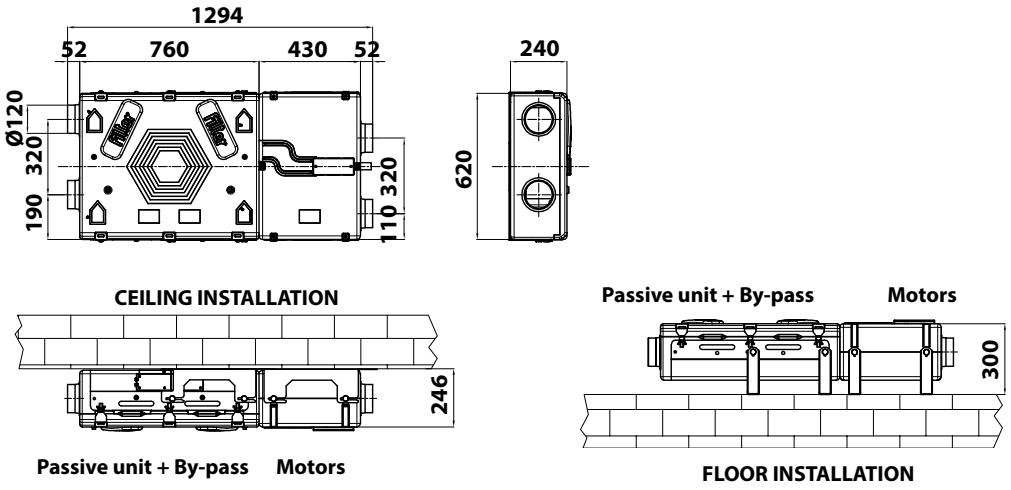


DIMENSIONS (mm)

REC in linea 140 Kg 13



REC in linea 180 Kg 18,5



REC in linea 220 Kg 22