

Smarty 2R VE

Smart kitchen air handling unit

SALDA

WWW.SALDA.LT



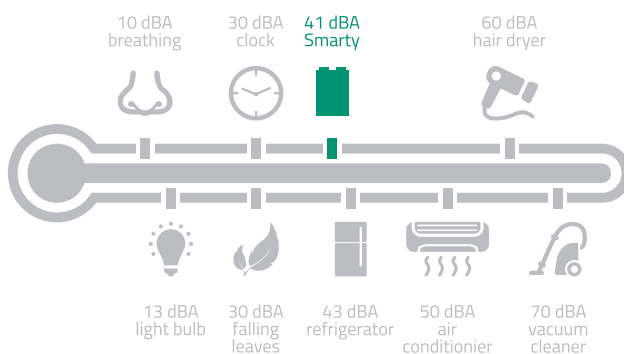
THE MAIN ADVANTAGES:

- › Compact size: 598x320x620.
- › Kitchen hood connection: no need for additional ventilation equipment, alarm indication on cooker hood
- › Enhanced control options: remote controller, PC connection, BMS connection.
- › Easy maintenance: filter pollution warning, reversible service sides, the most components removable without tools, long-life components.
- › Low noise level: Lwa 41 dBA – less than the most refrigerators emit.
- › 2 versions: standard and more powerful "Plus"



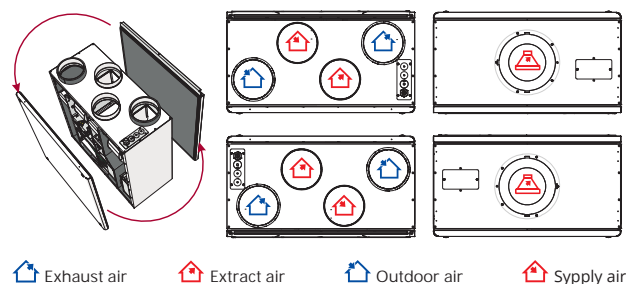
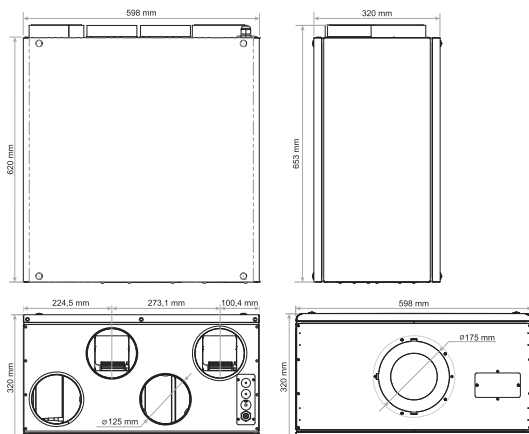
Fresh and healthy air has become a standard in modern buildings. Allergy particles, dust, molds and noisy surroundings have a negative effect on health and life quality. Smarty air handling units are designed to solve all these issues in residential premises. Smarty 2R V is efficient and economical solution for the high quality air in your apartment.

SILENT AIR HANDLING



Modern ventilation must be silent. The Smarty casing sound power level (up to 41dBA) is lower than what most household equipment emits.

MEASUREMENTS




















CONSTRUCTION



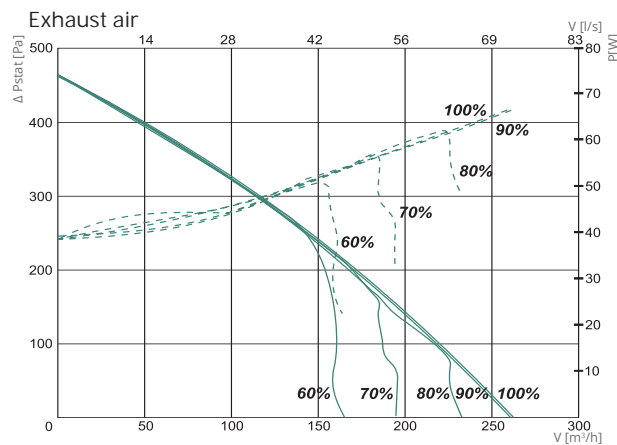
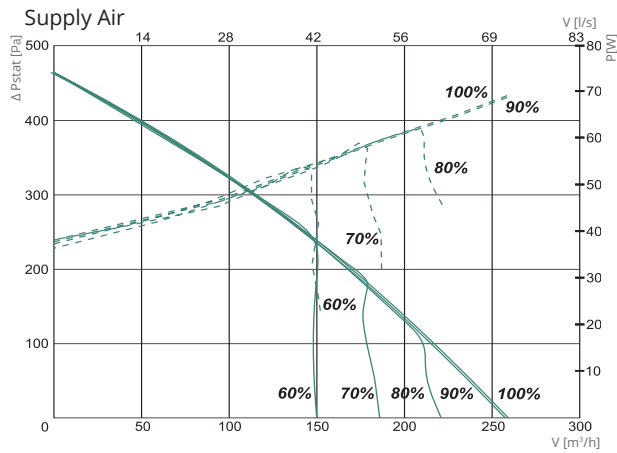
- A1 class casing.
- Integrated electric heater.
- Effective low-pressure-drop and long-life (up to 6 months) M5/M5 filters.
- High efficiency EC fans. (SPI – up to 0,38 W/ (m³/h).
- Long-life rotor heat exchanger: efficiency - up to 75%* No 1253/2014)
- Integrated powerful control board (heater control/rotor control and protection: 3 control levels (service, adjuster, user)).

* - 65% (EU).

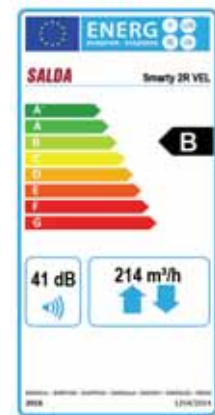
OPTIONAL ACCESSORIES:

Kitchen hood: white or <u>stainless steel</u>	Kitchen hood <u>slimline</u>	Electric <u>preheater</u>	Electric <u>preheater</u>	<u>Filter set</u>	<u>Humidity sensor</u>
					
		EKA NV 125-09-1f PH	EKA NV 125-0,6-1f PH	FMK (M5/M5)	S-RFF-U-D-F2
<u>Humidity sensor</u>	<u>CO₂ sensor</u>	<u>CO₂ sensor</u>	<u>Mounting bracket</u>	Front cover: white or <u>stainless steel</u>	<u>Silencer 350/700 mm</u>
					
S-KFF-U	S-KCO2	S-RCO2-F2			
<u>Actuator for damper</u>	<u>Damper</u>	<u>Controller</u>	<u>Remote control panel</u>	<u>Network module</u>	
					
CM24-F-L	SKG-A 125	Stouch	Ptouch	PC via MB-Gateway	

TECHNICAL DATA SMARTY 2R VE



— Performance
 - - - Power consumption



Air flow temperature range from -20°C to +40°C.
 Designed for operation indoors only.
 Temperature efficiency (balanced mass flow):
 Extract air = 20°C/60%RH
 Outdoor air = -20°C

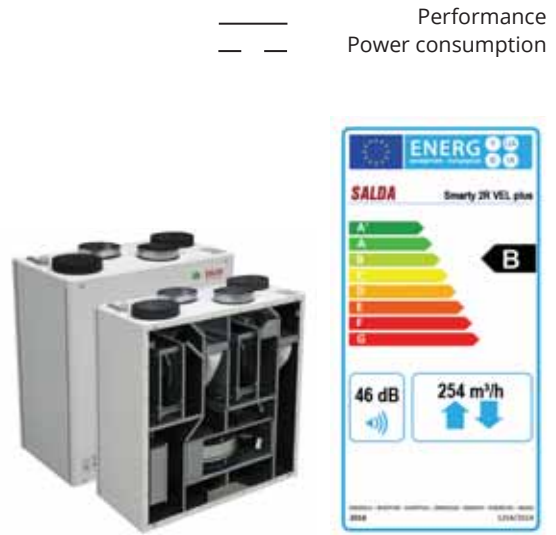
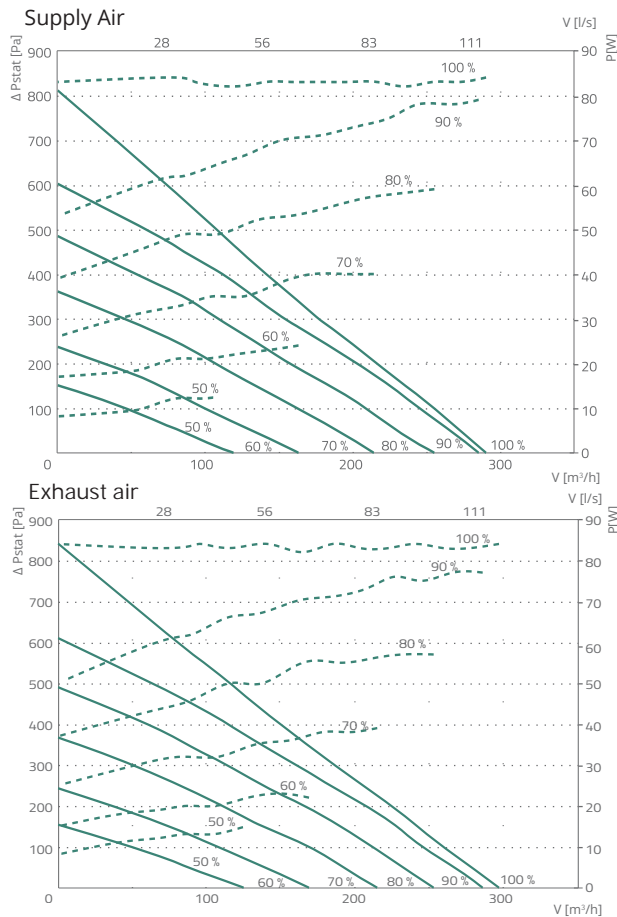
Smarty 2R VE			
Heater	-phase/voltage	[50Hz/VAC]	~1, 230
	-power consumption	[kW]	0,6
EC Fans	-phase/voltage	[50Hz/VAC]	~1, 230
	-power/current	[kW/A]	0,07/0,6
exhaust	-fan speed	[min ⁻¹]	1380
	-power/current	[kW/A]	0,07/0,6
supply	-fan speed	[min ⁻¹]	1380
	-power/current	[kW/A]	0,07/0,6
Motor protection class			IP-44
Thermal efficiency (EU No 1253/2014)			68 %
Max power consumption		[kW/A]	0,75/3,91
Automatic control			integrated
Filter class	-exhaust		M5
	-supply		M5
Thermal insulation		[mm]	20
Weight		[kg]	36,0
Comply with ERP			2018

Smarty 2R VE	Lwa total, dB(A)	LWA, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Supply	65	50	59	61	59	55	51	40
Extract	60	45	58	53	45	37	28	21
Surrounding	46	37	40	42	38	29	19	16

Measured at 214 m³/h, 100 Pa

TECHNICAL DATA

SMARTY 2R VE PLUS



Air flow temperature range from -20°C to +40°C.
 Designed for operation indoors only.
 Temperature efficiency (balanced mass flow):
 Extract air = 20°C/60%RH
 Outdoor air = -20°C

Smarty 2R VE plus			
Heater	-phase/voltage	[50Hz/VAC]	~1, 230
	-power consumption	[kW]	0,6
EC Fans exhaust	-phase/voltage	[50Hz/VAC]	~1, 230
	-power/current	[kW/A]	0,084/0,75
supply	-fan speed	[min ⁻¹]	3200
	-power/current	[kW/A]	0,084/0,75
	-fan speed	[min ⁻¹]	3200
Motor protection class			IP-54
Thermal efficiency (EU No 1253/2014)			69 %
Max power consumption		[kW/A]	0,77/4,13
Automatic control			integrated
Filter class	-exhaust		M5
	-supply		M5
Thermal insulation		[mm]	20
Weight		[kg]	36,0
Comply with ERP			2018

Smarty 2R VE plus	Lwa total, dB(A)	LWA, dB(A)						
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Supply	56	39	40	49	52	54	46	39
Extract	51	38	39	47	45	43	40	32
Surrounding	38	30	28	30	33	31	29	25

Measured at 113 m³/h, 60 Pa

FUNCTIONS FOR CONVENIENT AIR HANDLING*

System modes for easy and user-friendly control (Stand-by, building protection, economy, comfort)	Holiday schedule
BOOST	Manual air flow balancing
Comfortable air temperature	CO₂ level control**
Night-cooling function	Heating season
Relative humidity (RH) level control**	Dryness protection**
Software and configuration update possibility	Weekly schedule
Supply air temperature control	Fire alarm input
Monitoring function (all sensors and I/O)	Rotor fault protection
Filter pollution monitoring (timer)	

* - Full functions are available using MB-Gateway web application or Ptouch remote control panel.

** - With optional sensors.

EASY ADJUSTMENT OF MULTIPLE INSTALATIONS WITH MCB TOOL



You can copy the set of values from one piece of equipment to another using the control panel or a PC.

REFERENCES

Smarty 2R VE is installed in more than 1000 flats across Sweden:

*DOCKLANDS apartments,
Karlstad, Sweden*



*BRUNNA PARK KUNGSANGEN,
Kungsängen, Stockholm*



*Q KUNGSMYNTAN apartments,
Orebro, Sweden*



*KV KUMMINEN apartments,
Orebro, Sweden*

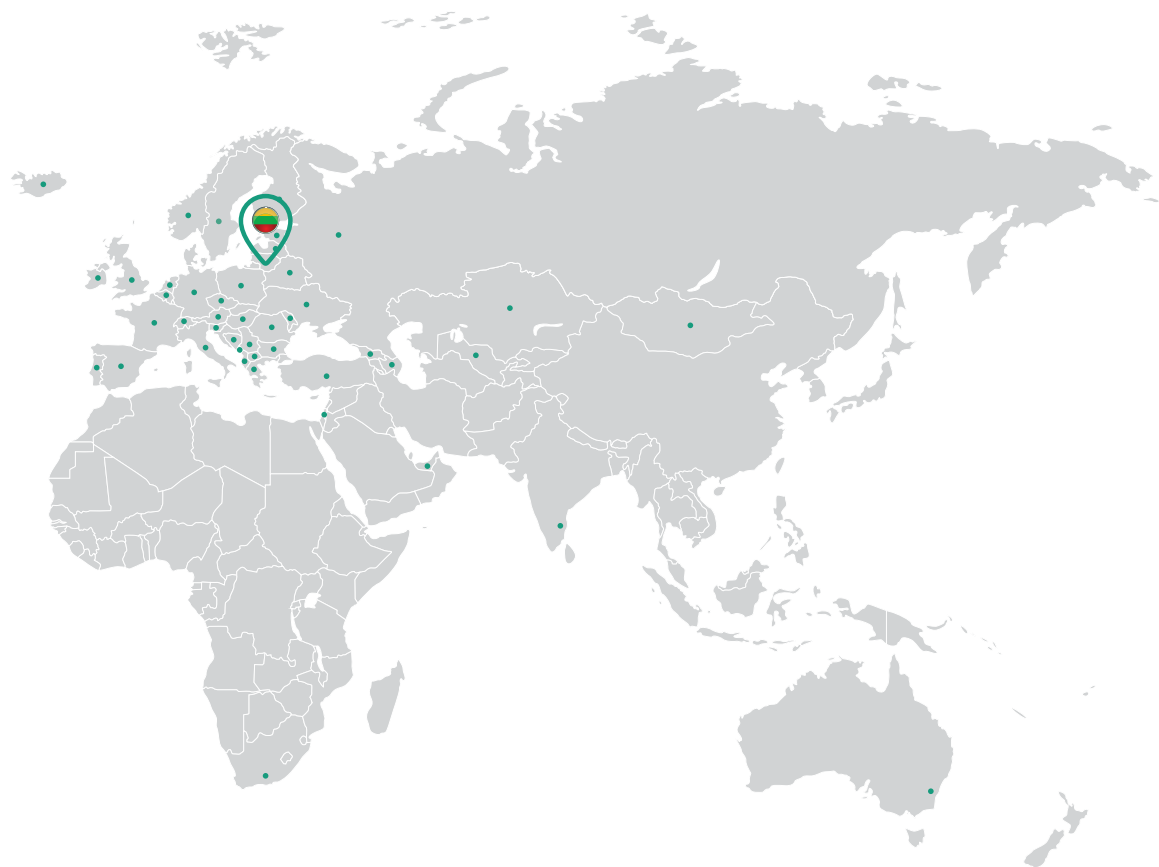


*KANIKENÄSHOLMEN apartments,
Karlstad, Sweden*




*KV. GAS OVEN apartments,
Orebro, Sweden*






SALDA UAB
Ragainės g. 100
LT-78109 Šiauliai, Lithuania


+370 41 54 04 15
+370 41 54 04 17


office@salda.lt
www.salda.lt

Distributor

