



## VSV/VSV EKO AL/VSVI EKO AL

EN MOUNTING AND INSTALLATION INSTRUCTION



**SYMBOLS AND MARKING**

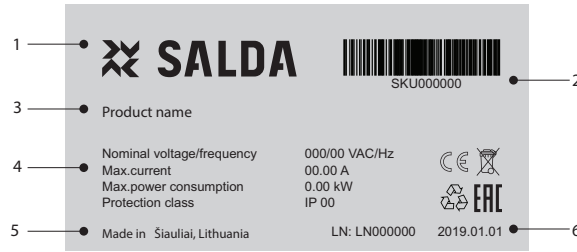


Figure 1.1 - Technical label

1 - Logo; 2 - Product code (SKU); 3 - Product name; 4 - Technical data; 5 - Production place; 6 - Lot number and production date.



Figure 1.2 - Indication for air flow direction.

**GENERAL INFORMATION**

Prior to the installation of the device it is necessary to read all the material presented in this document. The device installation can be performed only by trained and qualified staff, familiar with this type of equipment installation, verification, maintenance and required tools for installation works. If the provided material is unclear or there are any doubts concerning safe installation and use, please contact the manufacturer or his representative. The device can only work under following conditions. It is strictly prohibited to use the device not for its purpose or not under provided working conditions without receiving a written permit from the manufacturer or its representative. In the event of failure, it must be reported to the manufacturer or its representative with the description of the failure and provide data on product label. In the event of a failure, it is prohibited to repair, disassemble the device without a written consent from the manufacturer or its representative. The device can be disassembled, repaired or modified only after receiving a written consent from the manufacturer or its representative.

**TRANSPORTATION AND STORAGE**

All devices are packed in the factory to withstand normal transportation conditions. When unpacking the device, check if it has not been damaged during the transportation. It is prohibited to install damaged equipment!!! The package is only a protection measure! When unloading and storing the equipment, use proper lifting equipment to prevent damage and injuries. Do not lift the equipment on power cables, connection boxes, air collecting or disposal flanges. Avoid shacking and punching overloads. Until the installation, store the devices in a dry place where relative humidity does not exceed 70% (at 20°C), the average ambient temperature – between 5°C and +30°C. Storage place has to be protected from dirt and water. The devices have to be stored and transported only in a horizontal position so that the inlet flange would be at the bottom. Storing for more than one year is not recommended. When storing longer than one year, it is necessary to verify if the bearings are rotating easily before the installation (rotate the impeller by hand)

**PURPOSE OF THE DEVICE**

The device is used in ventilation and air conditioning systems to pull only clean air from the room (free from metal corroding chemicals; aggressive substances for zinc, plastic, rubber; hard, sticky and fibrous particles).

**DESCRIPTION**

Fan rotation speed is controlled by changing voltage.  
Maintenance undemanding bearings.  
Automatic thermo contact engine protection.

**WORKING CONDITIONS**

It is prohibited to use the devices in potentially explosion hazardous environment. The device is used to pull only clean air (free from metal corroding chemicals; aggressive substances for zinc, plastic, rubber; hard, sticky and fibrous particles) from the room. Please note the maximum allowed ambient temperature.

**PROTECTIVE MEASURES**

Do not use this device for other than assigned purposes.  
Do not disassemble or modify the device in any way. This may lead to mechanical failure or even injury.

When installing and maintaining the device, use special working clothing. Be careful – the corners and edges of the device can be sharp and harmful.

Do not wear fluttery clothing, which can be pulled into working fan, near the device

All products packed in the factory are not finally ready. The devices can only be used when connected to air duct or when the protective grid on the collection and exhaust vents are installed.

Do not reach your fingers or other objects into air collection and exhaust protective grids or into the connected air duct. If any foreign body enters the device, disconnect it from the electrical power source immediately. Before removing the foreign body, make sure that all the mechanical motion has stopped inside the device. Also, make sure that an accidental turning on is not possible.

Avoid direct contact with collective and exhaustive air stream of the device.

Do not connect the device to a different power chain other than indicated on the device label on the device case.

Never use a damaged power cable.

Never take the power cables connected to the electricity with wet hands.

Never immerse the extension cables and plug connectors into the water.

Do not install and use the device on crooked stands, rugged surfaces and other unstable planes.

Never use this device in potentially explosive and having aggressive substances environment.

## INSTALLATION

### MECHANICAL CONNECTION

Installation works can only be performed by trained and qualified personnel.

The device should be mounted firmly and rigidly so it's safe use would be ensured.

The device can be connected to pull the air directly from the ventilated room or from the air duct system (fig. 1)

It is necessary to ensure protection from contacting working fan impeller (for this, specially produced accessories or required air duct length is used)

Do not connect elbows close to the fan.

When connecting the air ducts, pay attention to the air flow direction indicated on the device case.

The device is mounted onto chimney using accessories: reverse thrust valves, flexible connectors, connection flanges. They have to be installed only as shown in (fig. 3).

When mounting, we recommend using flexible connectors that reduce vibrations transmitted from the device to the air duct system and environment.

We recommend using air filters which reduce the accumulation of dirt on the fan impeller. Accumulated dirt misbalances the impeller and vibrations appear. This can cause engine failure.

The chimney has to be mounted on roof above the prepared chamber which cannot be greater than its own internal chamber.

The chimney has to be firmly attached to the roof, so that later mounted fan would be in a horizontal position (fig. 2).

The chimney must be covered with heat deterring substance (fig. 2). Choose the isolating material with the most thermal resistance.

Cover the roof coating (fig. 2).

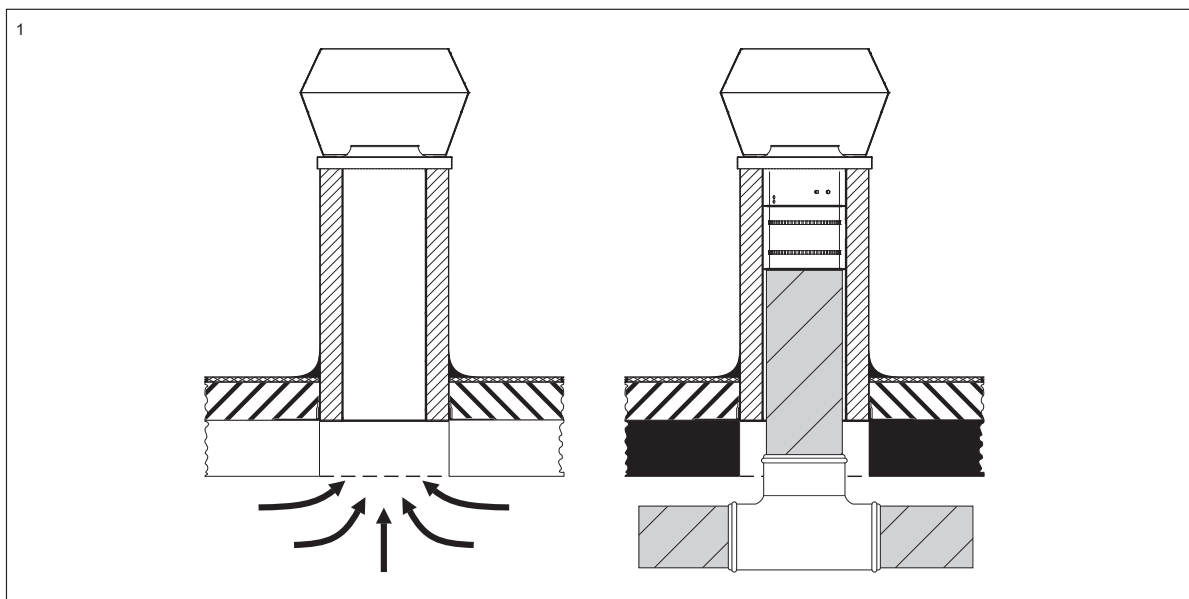
The chimney must be firmly attached to the roof.

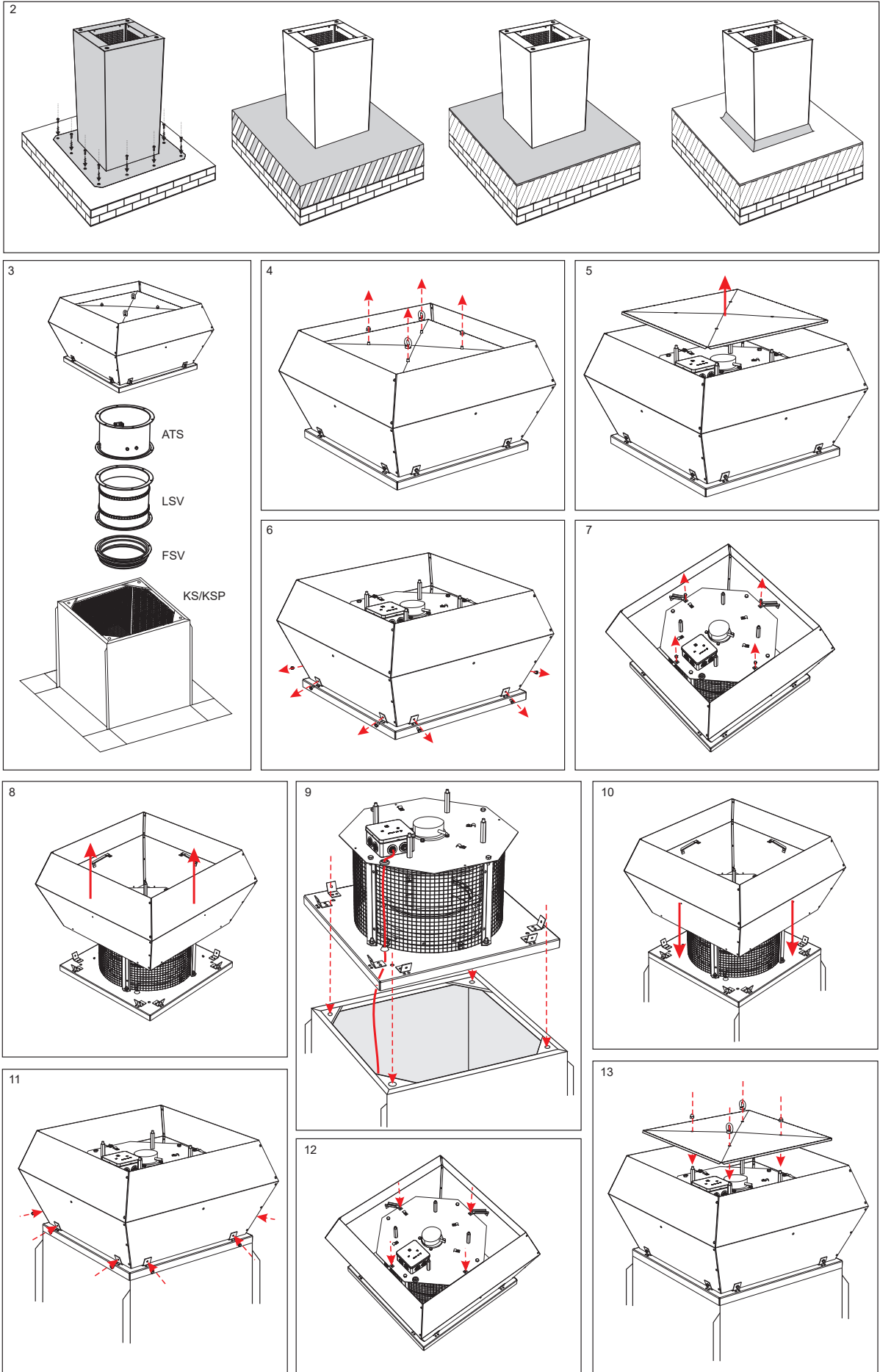
Space between the chimney and roof coating has to be sealed with waterproof material (fig. 9).

Power supply cord has to be pushed through plastic tube inside the chimney (fig. 9).

Attach the fan to the roof chimney.

The roof fan is attached to the chimney using screws. It is necessary to use rubber gaskets (fig. 9).





**ELECTRIC INSTALLATION**

The devices have rotating parts and are connected to the electricity. This may pose a risk to the human health and life. That is why safety require-

ments have to be followed while installing. If you have any doubts on the safety of the products installation and use, please contact the manufacturer or its representative.

Installation works may be performed only by trained and qualified personnel.

Make sure that the electric power chain data complies with the data on the product label on the device case.

Selected power cord has to match device power.

The fan has to be connected according to the electric scheme which is described in this document and is shown under the electricity connection box cap.

Before turning on, it is necessary to make sure that the electricity scheme in this document coincides with the scheme indicated under the electrical circuit box cover. If they do not match, it is strictly prohibited to turn the device on and it is necessary to contact the manufacturer or its representative.

It is necessary to connect an external protective device (an automatic switch or fuse) with a trigger current 1.5 times higher than the devices maximum current (indicated on the product label).

Make sure that the grounding wire is connected.

If the device engine speed control regulator is used, be sure that it ensures safe activity of the engine.

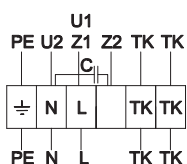
It is necessary to ensure minimal engine speed at which the reverse thrust valves (if any) open.

If the information provided about the electrical connection of the fan is unclear or insufficient, contact manufacturer or its representative.

## WIRING DIAGRAM

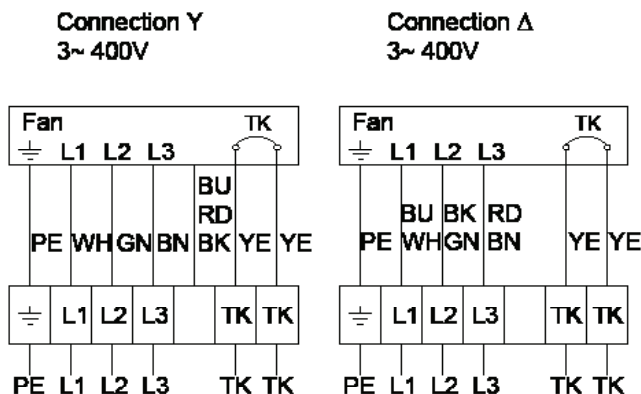
### VSV

#1



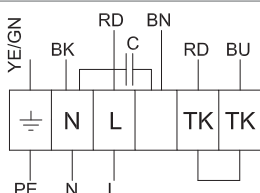
U1 - brown  
PE - yellow - green  
U2 - blue  
Z1 - black  
Z2 - orange  
TK - white

#2



PE - green/yellow  
BU - blue  
WH - white  
RD - red  
GN - green  
BK - black  
BN - brown  
TK - yellow

#3

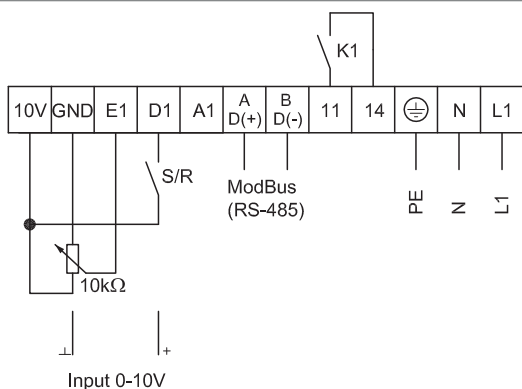


YE - yellow  
GN - green  
BK - black  
RD - red  
BN - brown  
BU - blue

Protective earth  
PE, L1, N - line voltage 230V  
C - capacitor  
TK - jumper

### VSV EKO AL

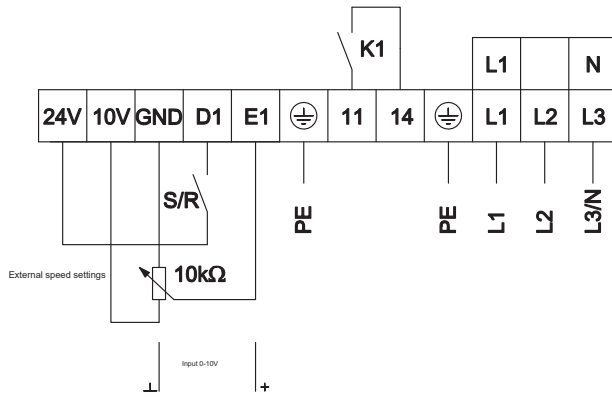
#4



BN - brown  
BU - blue  
PE - yellow - green  
RD - red  
GY - grey  
WH - white  
GN - green  
YE - yellow

24V - DC Out (Imax = 70mA)  
10V - DC Out (Imax = 10mA)  
D1 - Digital In1  
E1 - Analog In (0-10V/PWM)  
A1 - Status OutOC  
11, 14 - Contact rating max. AC250V, 2A  
PE, L1, N - line voltage 230V

#5

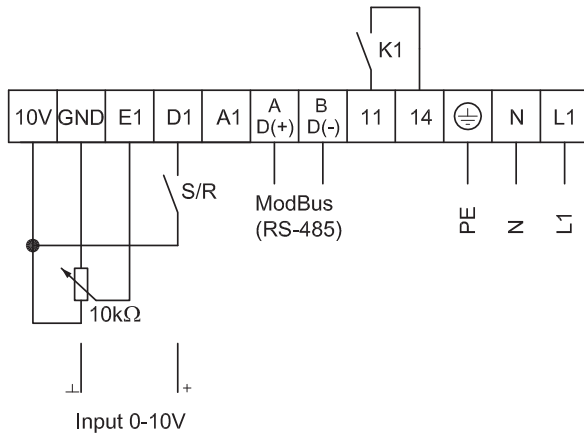


- BN - brown
- BU - blue
- PE - yellow - green
- RD - red
- GY - grey
- WH - white
- GN - green
- YE - yellow

- 24V - DC Out (I<sub>max</sub> = 70mA)
- 10V - DC Out (I<sub>max</sub> = 10mA)
- D1 - Digital In1
- S/R - Electronic disconnection and reset contact,
- E1 - Analog In1
- 11, 14 - K1 fault relay contact 2A, 250VAC
- PE, L1, L2, L3 - line voltage 400V
- PE, L1, N - line voltage 230V

**VSVI EKO AL**

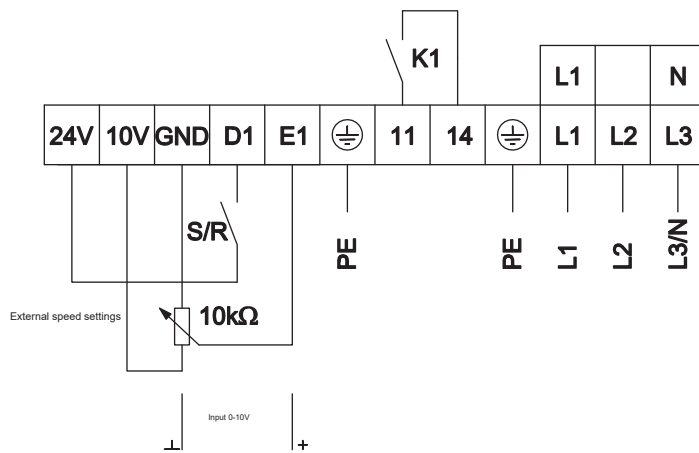
#6



- BN - brown
- BU - blue
- PE - yellow - green
- RD - red
- GY - grey
- WH - white
- GN - green
- YE - yellow

- 24V - DC Out (I<sub>max</sub> = 70mA)
- 10V - DC Out (I<sub>max</sub> = 10mA)
- D1 - Digital In1
- E1 - Analog In (0-10V/PWM)
- A1 - Status OutOC
- 11, 14 - Contact rating max. AC250V, 2A
- PE, L1, N - line voltage 230V

#7



- BN - brown
- BU - blue
- PE - yellow - green
- RD - red
- GY - grey
- WH - white
- GN - green
- YE - yellow

- 24V - DC Out (I<sub>max</sub> = 70mA)
- 10V - DC Out (I<sub>max</sub> = 10mA)
- D1 - Digital In1
- S/R - Electronic disconnection and reset contact,
- E1 - Analog In1
- 11, 14 - K1 fault relay contact 2A, 250VAC
- PE, L1, L2, L3 - line voltage 400V
- PE, L1, N - line voltage 230V



## START-UP

The device can be started only by qualified and trained personnel.

Before starting the device, make sure that the power chain matches the data on the label.

Before starting the device, make sure that the device is connected to the power source in accordance with the scheme shown in this document and under the electricity connection box cap.

Before starting the device, make sure that all the above listed security and installation instructions are arranged.

When the device is started, make sure that the engine rotates evenly, does not vibrate and does not emit strange noise.

When the device is started, it is necessary to verify that air flow of the device matches the air direction indicated on the case.

It is necessary to verify that the current used by the engine does not exceed the maximum current (indicated on the product label).

It is necessary to check whether the engine does not overheat.

It is prohibited to turn on and turn off the fan so often that it would lead to engine windings overheating or isolation damage.

## MAINTENANCE

Fan bearings do not require maintenance.

If there are no air filters before the fan, the only maintenance requirement of the fan is impeller cleaning. It is recommended to clean the impeller at least once every six months.

Before cleaning it is necessary to turn off the power supply and block the switch to prevent accidental turning on while working.

It is necessary to wait until any mechanical motion stops, the engine cools down and the capacitors discharge.

Make sure that the fan and its parts and accessories are firmly and rigidly mounted.

The impeller has to be cleaned with caution in order not to damage the balance of the impeller.

It is strictly forbidden to use mechanical scrubs, chemicals, cleaners, compressed air stream or any liquids to clean the impeller.

It is prohibited to wash the fan with any liquids.

When the device's maintenance is complete, mount it back to the air duct system performing same actions as pointed out in „installation“ and „starting“ points and follow other requirements listed in this document.

## DEFECTS AND THEIR ELIMINATION

Defect elimination works can only be performed by trained and qualified personnel.

If the device turns off, it is necessary to:

Check whether the network voltage and current meets the requirements indicated on the product label.

Check whether the electrical current reaches the device.

When the electrical power problems are eliminated, re-activate the device.

If the power current supply is in order but the device does not start, do the following:

Wait 10-20 min. until the engine cools down.

If the electrical current was not disconnected and after 10-20 min. the engine starts itself, this means that an automatic thermal protection was triggered. It is necessary to look for engine overheating cause and eliminate it.

If the engine does not start after 10-20 min. do the following:

Disconnect the power supply.

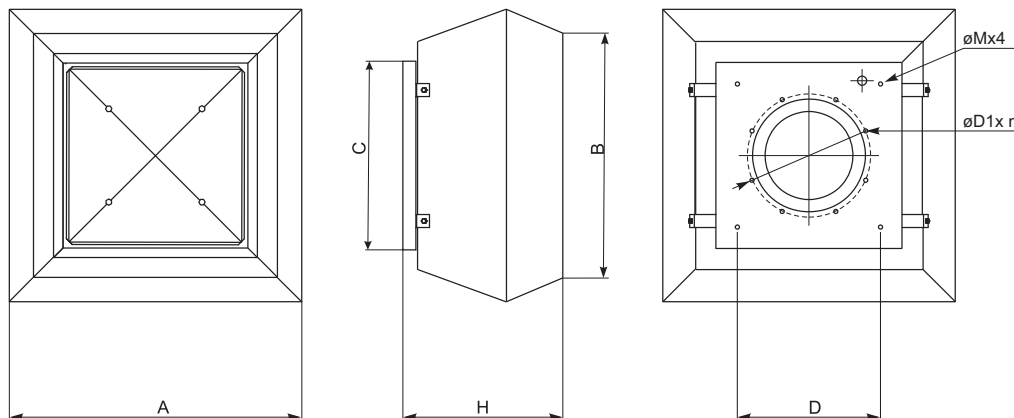
Wait until any mechanical rotation stops, the engine and cools down.

Make sure that the impeller is not blocked.

Check the capacitor (for single-phase fans according to connection scheme). If the defects persist, replace the capacitor.

If that does not help, contact the supplier.

## DIMENSIONS AND WEIGHT



	A	B	C	H	M	D	øD1	n	m
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
<b>VSV</b>									
250-2SL1	405	330	335	255	M6	245	230	6	8
311-4 L1	590	500	435	290	M6	330	285	6	18



311-4 L3	675	567	435	369	M6	330	285	6	26
355-4 L1	720	609	595	420	M8	450	438	6	31
355-4 L3	720	609	595	420	M8	450	438	6	30
400-4 L1	720	609	595	420	M8	450	438	6	33
400-4 L3	720	609	595	420	M8	450	438	6	41
450-4 L1	900	700	665	485	M8	535	438	6	50
450-4 L3	900	700	665	485	M8	535	438	6	48
500-4 L3	900	700	665	485	M8	535	438	6	56
560-4 L3	1150	972	939	609	M8	750	605	8	91
630-6 L3	1150	972	939	609	M8	750	605	8	109

VSV EKO AL	A	B	C	H	M	D	øD1	n	m
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
311-L1	675	567	435	369	M6	330	285	6	
355-L1	844	716	595	422	M8	450	438	6	41
400-L1	844	716	595	422	M8	450	438	6	42
450-L3	966	817	665	488	M8	535	438	6	60
500-L3	966	817	665	488	M8	535	438	6	60
560-L3	1265	1033	939	611	M8	750	605	8	99
630-L3	1265	1033	939	611	M8	750	605	8	91

VSVI EKO AL	A	B	C	H	M	D	øD1	n	m
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
311-L1	675	567	435	369	M6	330	285	6	
355-L1	844	716	595	422	M10	450	438	6	41
400-L1	844	716	595	422	M10	450	438	6	42
450-L3	966	817	665	488	M10	535	438	6	60
500-L3	966	817	665	488	M10	535	438	6	60
560-L3	1265	1033	939	611	M10	750	605	8	99
630-L3	1265	1033	939	611	M10	750	605	8	91

## TECHNICAL DATA

VSV		250-2SL1	311-4 L1	311-4 L3	355-4 L1	355-4 L3	400-4 L1	400-4 L3
- phase/voltage	[50 Hz/VAC]	~1, 230	~1, 230	~3, 400	~1, 230	~3, 400	~1, 230	~3, 400
- power	[kW]	0,219	0,183	0,15	0,27	0,243	0,451	0,436
- current	[A]	0,9	0,83	0,35	1,3	0,48	2,15	0,81
- speed	[min <sup>-1</sup> ]	2704	1310	1370	1390	1340	1280	1320
- capacitor	[µF]	5	4	-	6	-	10	-
- max. ambient temperature	[C°]	-20...+50	60	60	60	60	60	60
- motor protection class		IP44	IP-44	IP-54	IP-54	IP-54	IP-54	IP-54
- wiring diagram		#3	#1	#2	#1	#2	#1	#2

VSV		450-4 L1	450-4 L3	500-4 L3	560-4 L3	630-6 L3
- phase/voltage	[50 Hz/VAC]	~1, 230	~3, 400	~3, 400	~3, 400	~3, 400
- power	[kW]	0,628	0,652	1,19	1,809	1,225
- current	[A]	2,87	1,32	2,21	3,38	2,6
- speed	[min <sup>-1</sup> ]	1230	1250	1330	1180	880
- capacitor	[µF]	12	-	-	-	-
- max. ambient temperature	[C°]	60	55	55	50	60
- motor protection class		IP-54	IP-54	IP-54	IP-54	IP-54
- wiring diagram		#1	#2	#2	#2	#2

<b>VSV EKO AL</b>		<b>311-L1</b>	<b>355-L1</b>	<b>400-L1</b>	<b>450-L3</b>	<b>500-L3</b>	<b>560-L3</b>	<b>630-L3</b>
- phase/voltage	[50 Hz/ VAC]	~1, 230V	~1, 230V	~1, 230V	~3, 400V	~3, 400V	~3, 400V	~3, 400V
- power	[kW]	0,323	0,445	0,772	1,418	1,28	1,595	2,87
- current	[A]	1,51	2,03	3,5	2,22	2,02	2,51	4,42
- speed	[min <sup>-1</sup> ]	2270	1590	1700	1800	1400	1230	1230
- control signal		0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM
- max. ambient temperature	[C°]	60	60	60	60	60	60	60
- motor protection class		IP-54	IP-54	IP-54	IP-54	IP-54	IP-54	IP-54
- wiring diagram		#4	#4	#5	#5			

<b>VSVI EKO AL</b>		<b>311-L1</b>	<b>355-L1</b>	<b>400-L1</b>	<b>450-L3</b>	<b>500-L3</b>	<b>560-L3</b>	<b>630-L3</b>
- phase/voltage	[50 Hz/ VAC]	~1, 230V	~1, 230V	~1, 230V	~3, 400V	~3, 400V	~3, 400V	~3, 400V
- power	[kW]	0,323	0,445	0,772	1,418	1,28	1,595	2,87
- current	[A]	1,51	2,03	3,5	2,22	2,02	2,51	4,42
- speed	[min <sup>-1</sup> ]	2270	1590	1700	1800	1400	1230	1230
- control signal		0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM	0-10V/PWM
- max. ambient temperature	[C°]	60	60	60	60	60	40	60
- motor protection class		IP-54	IP-54	IP-54	IP-54	IP-54	IP-54	IP-54
- wiring diagram		#6	#6	#7	#7	#7	#7	#7

## ACCESSORIES

<b>VSV</b>	<b>KS-K</b>	<b>KSP-K</b>	<b>FSV</b>	<b>LSV</b>	<b>ATS</b>	<b>Main switch</b>	<b>MTP010</b>	<b>S-RCO2-F2</b>	<b>S-RFF-U-D-F2</b>	<b>Stouch</b>	<b>S-KCO2</b>	<b>S-KFF-J</b>	<b>RTC-G*</b>	<b>RTH-G*</b>	<b>RTT-G*</b>	<b>RTQ-G*</b>	<b>TGRV</b>	<b>TGRT</b>	<b>ETY/MTY</b>	
311-4 L1			311			BW225 DP			+						-				-	
311-4 L3						BW225 DP														
355-4 L1		355/400		355/500		BW225 DP			+											
355-4 L3						BWS316 Y TPN				+										
400-4 L1				450/500		BWS316 Y TPN														
400-4 L3						BWS316 Y TPN														
450-4 L1				560/630		BWS316 Y TPN			+											
450-4 L3						BW225 DP												1,5	-	1,5
500-4 L3			311			BWS316 Y TPN			-						+			-	1	-
560-4 L3						BW225 DP												2	-	2,5
630-6 L3						BWS316 Y TPN												-	1	-
311-L1 EKO AL		355/400		355/500		BW225 DP			-						+			3	-	4
355-L1 EKO AL						BWS316 Y TPN												-	1	-
400-L1 EKO AL						BW225 DP												5	-	-
450-L3 EKO AL		450/500		355/500		BWS316 Y TPN			-						+			-	2	-
500-L3 EKO AL						BWS316 Y TPN												-	4	-

560-L3 EKO AL	560/630	BWS316 Y TPN	-	+	-	5	-
630-L3 EKO AL		BWS316 Y TPN				-	4

## ECODESIGN DATA TABLE

VSV		250-2S L1	311-4 L1	355-4 L1	400-4 L1
Declared typology		Unidirectiona	Unidirectiona	Unidirectiona	Unidirectiona
Type of drive		External MSD or VSD	External MSD or VSD	External MSD or VSD	External MSD or VSD
Type of HRS		N/A	N/A	N/A	N/A
Nominal NRVU flow rate	[ m3/s ]	0,26	0,36	0,61	0,64
Effective electric power input	[ kW ]	0,22	0,16	0,3	0,51
SFPint	[ W/(m3/s) ]	N/A	N/A	N/A	N/A
Face velocity	[ m/s ]	N/A	N/A	N/A	N/A
Normal external pressure	[ Pa ]	285	16	185	314
Internal pressure drop of ventilation components	[ Pa ]	N/A	N/A	N/A	N/A
Static efficiency of fans used in accordance with Regulation No 327/2011	[ % ]	32,8	35,2	38,2	39,8
Declared maximum external leakage	[ % ]	<1	<1	<1	<1
Casing sound power level (Lwa)	[ dB(A) ]	71	67	68	73
Energy clasification of the filters	[ Pa ]	N/A	N/A	N/A	N/A
Filter Correction(F)		0	0	0	0
Description of visual filter warning		N/A	N/A	N/A	N/A
ErP Compliance		2018	2018	2018	2018
Internet address for disassembly instructions					www.salda It
VSV		450-4 L1	450-4 L3	500-4 L3	560-4 L3
Declared typology		Unidirectiona	Unidirectiona	Unidirectiona	Unidirectiona
Type of drive		External MSD or VSD	External MSD or VSD	External MSD or VSD	External MSD or VSD
Type of HRS		N/A	N/A	N/A	N/A
Nominal NRVU flow rate	[ m3/s ]	1,35	1,22	1,31	1,76
Effective electric power input	[ kW ]	0,86	0,9	1,31	2,15
SFPint	[ W/(m3/s) ]	N/A	N/A	N/A	N/A
Face velocity	[ m/s ]	N/A	N/A	N/A	N/A
Normal external pressure	[ Pa ]	286	352	440	579
Internal pressure drop of ventilation components	[ Pa ]	N/A	N/A	N/A	N/A
Static efficiency of fans used in accordance with Regulation No 327/2011	[ % ]	44,9	47,8	44,1	47,4
Declared maximum external leakage	[ % ]	<1	<1	<1	<1
Casing sound power level (Lwa)	[ dB(A) ]	80	74	72	80
Energy clasification of the filters	[ Pa ]	N/A	N/A	N/A	N/A
Filter Correction(F)		0	0	0	0
Description of visual filter warning		N/A	N/A	N/A	N/A
ErP Compliance		2018	2018	2018	2018
Internet address for disassembly instructions					www.salda It
VSV		355-4 L3	400-4 L3	630-6 L3	
Declared typology		Unidirectiona	Unidirectiona	Unidirectiona	
Type of drive		External MSD or VSD	External MSD or VSD	External MSD or VSD	
Type of HRS		N/A	N/A	N/A	
Nominal NRVU flow rate	[ m3/s ]	0,46	0,63	1,76	

Effective electric power input	[ kW ]	0,24	0,43	1,23
SFPint	[ W/(m3/s) ]	N/A	N/A	N/A
Face velocity	[ m/s ]	0	0	0
Normal external pressure	[ Pa ]	207	255	308
Internal pressure drop of ventilation components	[ Pa ]	N/A	N/A	N/A
Static efficiency of fans used in accordance with Regulation No 327/2011	[ % ]	39	37,1	44,1
Declared maximum external leakage	[ % ]	<1	<1	<1
Casing sound power level (Lwa)	[ dB(A) ]	64	68	74
ErP Compliance		2018	2018	2018
Internet address for disassembly instructions				<a href="http://www.salda.it">www.salda.it</a>

## DECLARATION OF CONFORMITY

Manufacturer

**SALDA, UAB**  
**Ragainės g. 100**  
**LT-78109 Šiauliai, Lithuania**  
**Tel.: +370 41 540415**  
**www.salda.lt**

Hereby confirms that the following products:

**VSV, VSV EKO AL, VSVI EKO AL**

Provided it was delivered and installed in the facility in accordance with the included installation instructions, comply with all applicable requirements in the following directives and regulations:

**Machinery Directive 2006/42/EC**  
**Low Voltage Directive 2014/35/EU**  
**EMC Directive 2014/30/EU**  
**RoHS 2 Directive 2011/65/EU**  
**Energy labeling of residential units Nr. 1254/2014**  
**Ecodesign requirements for ventilation units Nr. 1253/2014**  
 The following regulations are applied in applicable parts:

**Ecodesign requirements for ventilation units Nr. 1253/2014;**  
**Energy labeling of residential units Nr. 1254/2014.**

The following harmonized standards are applied in applicable parts:

EN ISO 12100:2012 - Safety of machinery - General principles for design - Risk assessment and risk reduction.  
 EN 60335-1:2012 - Household and similar electrical appliances. Safety. Part 1: General requirements.  
 EN 60529:1999/A2:2014/AC:2019 - Degrees of protection provided by enclosures (IP code).  
 EN 60204-1:2018 - Safety of machinery - Electrical equipment of machines - Part 1: General requirements.  
 EN IEC 61000-6-1:2019-03 - Electromagnetic compatibility (EMC) -- Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments.  
 LST EN 61000-6-2:2019 - Electromagnetic compatibility (EMC) -- Part 6-2: Generic standards - Immunity for industrial environments.  
 LST EN 61000-6-3:2008 - Electromagnetic compatibility (EMC) -- Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments.

Should any alterations be made in the products, this declaration will no longer apply.

**Quality:** Salda UAB activities are in line with the international quality management system standard **ISO 9001:2015**.

Date 2020-11-02



Giedrius Taujenis  
 Director product development

## WARRANTY

1. All equipment manufactured in our factory is checked in operating conditions and tested before delivery. Test protocol is supplied together with the unit. The equipment is shipped in good working order and condition to the direct client. The unit is warranted for the period of two years from the invoice date.
2. If equipment is found to have been damaged during transportation, a claim should be made against carrier, as we assume no responsibility for such damage.
3. This warranty does not apply:
  - 3.1. when transportation, storage, installation and maintenance instructions of the unit are violated;
  - 3.2. when the equipment is improperly maintained, mounted - inadequate maintenance;
  - 3.3. when the equipment without our knowledge and permission has been upgraded or unskilled repairs were made;
  - 3.4. when the unit was used not for its original purpose.
  - 3.5. Company SALDA UAB is not responsible for potential loss of property or personal injury in cases where AHU is manufactured without a control system and the control system will be installed by the client or third parties. The manufacturer's warranty does not cover devices that will be damaged by installing the control system.
4. This warranty does not apply at these malfunction cases:
  - 4.1. mechanical damage;
  - 4.2. damage caused by entering outside objects, materials, liquids;
  - 4.3. damage caused by natural disaster, accident (voltage change in the electricity network, lightning, etc..).
5. The company assumes no liability for its products either directly or indirectly damage, if the damage is caused by failure to comply with installation and mounting regulations, deliberate or careless users or third-party behavior.

These conditions are readily discernable when the equipment is returned to our factory for inspection.

If the direct client determines that equipment is found to be faulty, or a breakdown occurred, he should inform the manufacturer within five working days and deliver the equipment to manufacturer. Delivery costs should be covered by customer.



**Manufacturer reserves the right to change this technical passport any time without prior notice, if some typographic errors or inaccurate information is found, as well as after improving the apps and/or the devices. Such changes will be included in the new issues of the technical passport. All illustrations are just for information and thus may differ from the original device.**

### 20.1. LIMITED WARRANTY COUPON

Warranty term  
**24 months\***

I received complete package and technical manual of the product ready for usage. I have read warranty terms and conditions and agree with them:

.....  
Customer's signature

\*refer to WARRANTY CONDITIONS

*Dear User, we appreciate your choice and do hereby guarantee that all ventilation equipment manufactured by our Company is inspected and thoroughly tested. An operational and high-quality product is sold to the direct buyer and shipped from the territory of the factory. It is provided with a 24-month warranty since invoice issue date.*

*Your opinion is important to us, thus we always look forward to hearing your comments, feedback, or suggestions regarding technical and operational characteristics of the Products.*

*In order to avoid any misunderstandings, please read the instructions for installation and operation of the product as well as other technical documents of the product carefully. The number of the Limited Warranty Coupon and serial number of the product specified on the silver identification sticker attached to the housing must match.*

*The Limited Warranty Coupon shall be valid provided that the seller's stamps and records are clear. It is prohibited to change, delete, or rewrite the data specified on it in any manner – such a coupon shall be invalid.*

*With this Limited Warranty Coupon the manufacturer confirms one's obligations to implement the imperative requirements established by effective laws on protection of consumer rights in the event of identification of any defects of the products.*

*The manufacturer reserves the right to refuse provision of free warranty servicing in cases when the warranty conditions listed below are disregarded.*



# UNIT'S MAINTENANCE TABLE

Product name*		
lot number*		
<b>Instalation</b>	<b>Interval</b>	<b>Date</b>
Fan cleaning	Once a year**	_____
Heat exchanger cleaning	Once a year**	_____
		_____
		_____
Filter replacement	Every 3-4 months**	_____
		_____
		_____
		_____

\* - Look at the product label.  
 \*\* - At least.

**NOTE.** The purchaser is required to fill in the "Product maintenance table".

