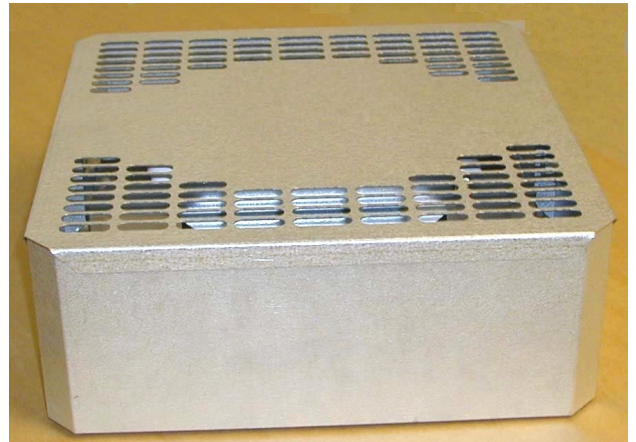


## ROOFMASTER STOF

ROOFMASTER STOF series has been complemented by two new sizes to the lower end of the range. The new roof fans cover airflows up to 180 l/s and have maximum pressure rise up to 300 Pa.

### Material

The fan casing is made of aluminium and zinc coated sheet steel. Version with additional external polyester powder painting in black (RAL 9005) is also available. The material meet the requirements of the Swedish environmental class M3, i.e. the roof fans are suitable for industrial and sea climates. Air discharge is upward and the fan is very easy to open for cleaning.



### Fan impeller and motor

The fan impeller is made of plastic and has backward-curved blades. The motor is a single-phase external rotor motor and it is suited for speed control by a transformer. Motor is located in the airflow and the maximum allowed temperature is +40°C.

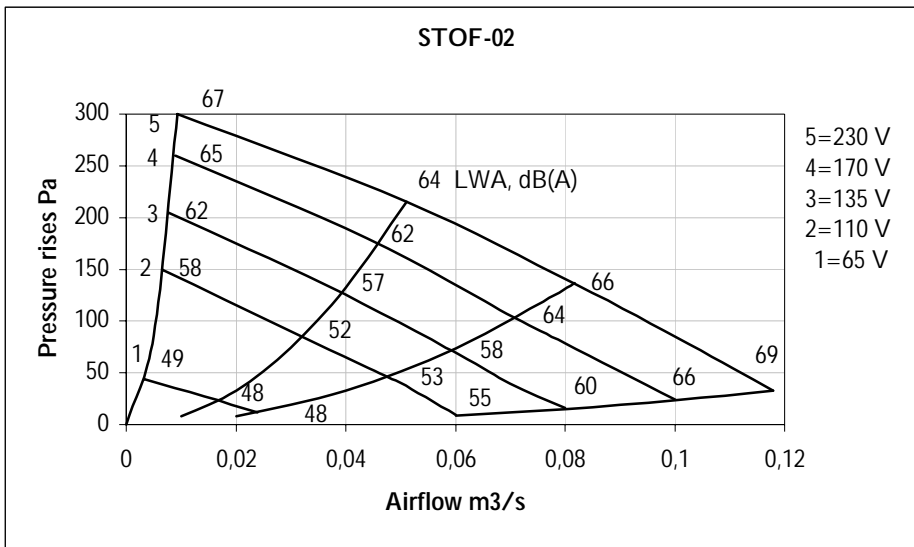
### BOGA roof duct

The BOGA consists of sheet steel duct, insulated on the inside with 50 mm thick mineral wool mat. The duct is equipped with two cable glands and one built-in cable conduit. Adjustable mounting brackets, which can be set to suit the pitch of the roof, are fitted to the outside of the roof duct. The BOGA is made of aluminium and zinc coated sheet steel.

### Performance table

		Pressure rise, Pa									
		50	75	100	125	150	175	200	225	250	300
STOF-02	Air flow, l/s	112	105	95	90	75	68	57	48	35	10
STOF-05	Air flow, l/s	180	165	150	132	111	100	80	69	53	29

## Performance curves



## Sound data

The total A-weighted sound power level,  $L_{WA}$ , emitted from the power roof ventilator to the surroundings can be read in the fan chart. The sound power level by octave band to the surroundings and to the duct (without A-weighting) can be obtained by using the following formula:

$$L_{w_{okt}} = L_{WA} + K_{okt}$$

STOF-02 Sound path	Correction $K_{okt}$ (dB)							
	Octave band mid-frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
Surroundings	-2	-3	-3	-5	-4	-7	-15	-24
To the duct	-1	-1	-1	-2	-2	-4	-10	-18

The corrections  $K_{okt}$  are given in the tables above.

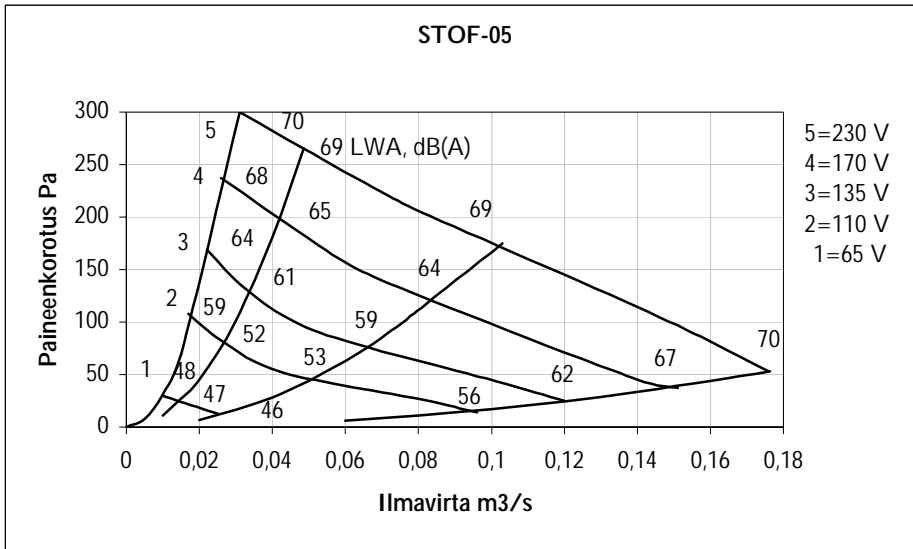
## Sound pressure level

Distance L (m)	3	5	10	15	20	25	30	40
Attenuation (dB)	17	22	28	31	34	36	37	40

The sound pressure level at different distances from the power roof ventilator can be determined by using the following formula:

$$L_{pA} = L_{WA} + K_{okt}$$

## Performance data



## Sound data

The total A-weighted sound power level,  $L_{WA}$ , emitted from the power roof ventilator to the surroundings can be read in the fan chart. The sound power level by octave band to the surroundings and to the duct (without A-weighting) can be obtained by using the following formula:

$$L_{w_{okt}} = L_{WA} + K_{okt}$$

STOF-05 Sound path	Correction $K_{okt}$ (dB)							
	Octave band mid-frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
Surroundings	-3	-5	-1	-4	-5	-8	-13	-20
To the duct	-1	-2	-1	-2	-3	-5	-11	-16

The corrections  $K_{okt}$  are given in the tables above.

## Sound pressure level

Distance L (m)	3	5	10	15	20	25	30	40
Attenuation (dB)	17	22	28	31	34	36	37	40

The sound pressure level at different distances from the power roof ventilator can be determined by using the following formula:

$$L_{pA} = L_{WA} + K_{okt}$$

## Product code

Roof fan  
STOF-aa-bbb-c-1-3

aa = size: 02; 05  
bbb = 504: 2-pole external rotor motor  
c = material:  
1 = powder painted, black  
2 = aluminium and zinc coated sheet steel

## Accessories

Roof duct  
BOGA-005-b-1-1

b = 1 = with check damper  
2 = without check damper

Safety isolation switch  
**SAFE**

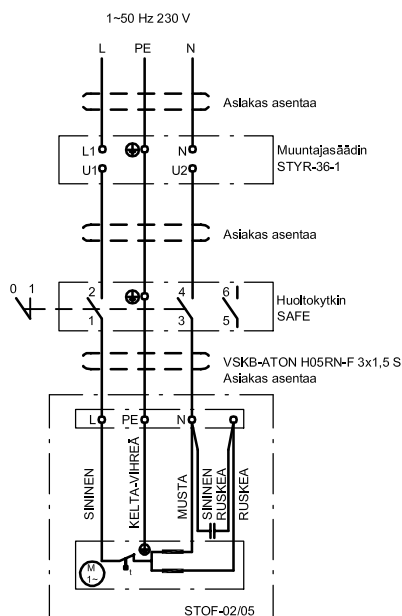
5-step transformer  
**STYR-36-1**

5-step transformer, 2-speed use  
**STYR-37-1**

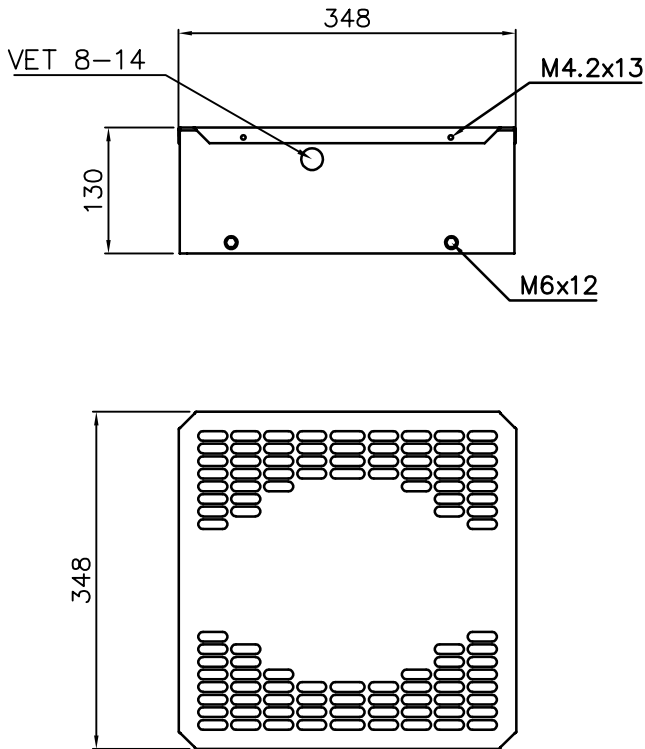
## Motor data

	Motor type	Power,kW	Current	Condensator yF	rpm
<b>STOF-02</b>	EBM R2E190	0,058	0,26	2	2500
<b>STOF-05</b>	EBM R2E220	0,085	0,38	3	2600

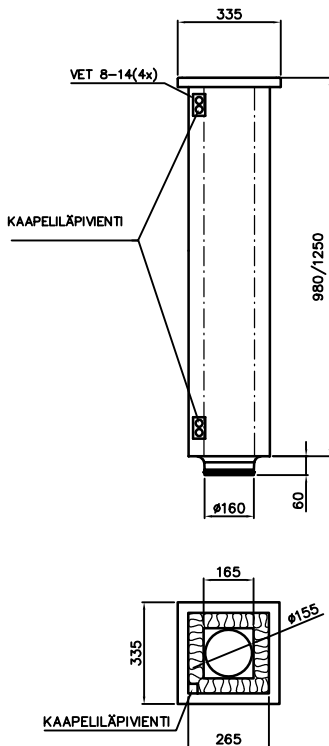
## Wiring diagram



### Dimensions



### Dimensions BOGA



### Installation BOGA

