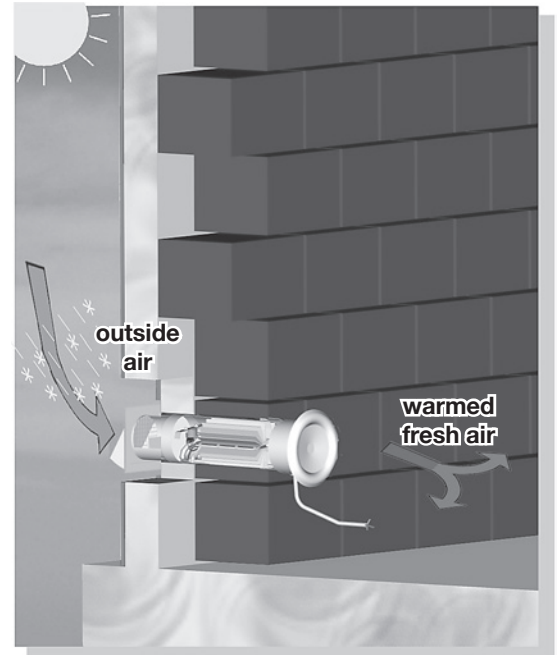


PICTURE



FUNCTION PRINCIPLE



DESCRIPTION

Air intake set with a heater provides fresh air to the building and warms it up. The heating module turns itself on when the temperature of the incoming air falls under  $8 \pm 4$  [°C]. During its work, the momentary power consumption is adjusted automatically depending on the outside temperature and mass of air coming through. When the outside temperature rises above  $8 \pm 4$  [°C], thermostat turns the heating module off.

**Maximal power consumption:** 100 [W] for NG80A and 200 [W] for NG110A

**Power inlet:** 230[V] 50[Hz] AC

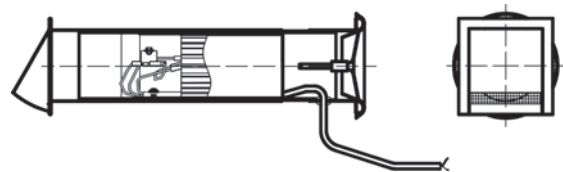
**Maximal efficiency:** 40 [m³/h] for NG80A and 80 [m³/h] for NG110A

DESTINATION

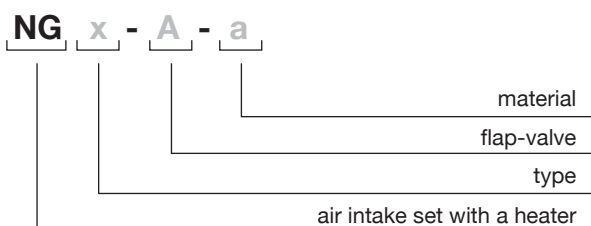
- fresh air supply to the building

MEASUREMENTS

Type	Pipe diameter	Wall thickness
NG80A	Ø75	L=300÷530
NG110A	Ø110	L=320÷530



DENOTATIONS / PRODUCT CODES



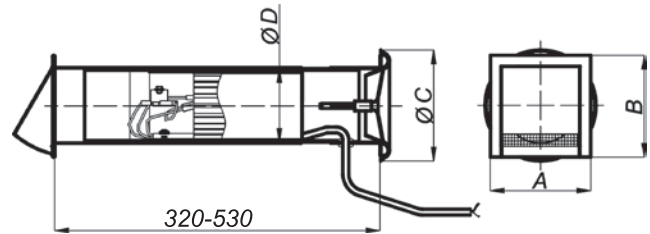
MATERIALS

Destination	-	W	W	W - air supply ventilation
	-	-	-	O - air heating
Air inlet material	-	-	-	OC - galvanized steel sheet
	-	CC	-	CC - chrome-nickel steel sheet
	-	-	ML	ML - acrylic steel sheet (white)
Channel material	-	-	-	CH - chrome-nickel steel sheet 1.4301
	-	PP	PP	PP - polypropylene pipe

## AIR INTAKE SET WITH A HEATER - TYPES

### 1. NG80A AND NG110A AIR INTAKE SETS WITH A HEATER

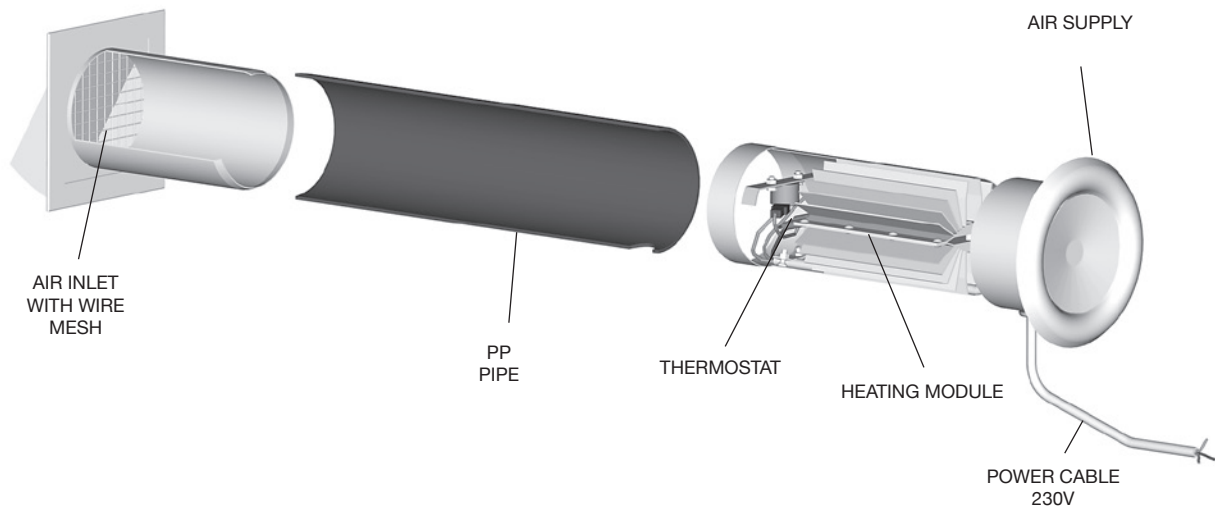
NG...A



## MEASUREMENTS TABLE

Lp	Type	Dimensions [mm]				Cross-section [cm <sup>2</sup> ]	Weight [kg]
		A	B	C	D		
1	NG80A	105	105	115	75	40	1.10
2	NG110A	155	155	138	110	85	2.14

## CROSS-SECTION



## AIRFLOW CHARTS

NG80A air temperature chart

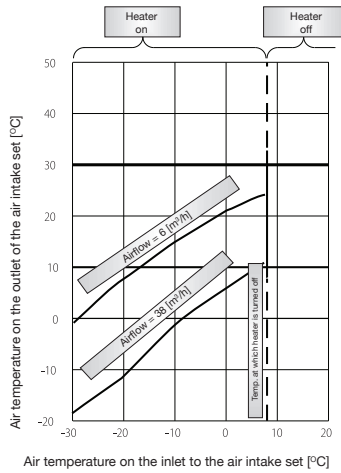


Chart shows the air temperature on the outlet of the air intake set in a function of the temperature of air coming into the NG80A air intake set for two airflow values 6 and 38 [m³/h]

NG80A power consumption chart

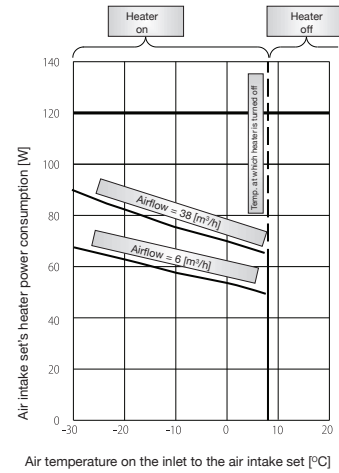


Chart shows the power consumption of the air intake set's heater in a function of the temperature of air coming into the NG80A air intake set for two airflow values 6 and 38 [m³/h].  
At temperature value ~8 [°C] the heater is being turned off.

NG110A air temperature chart

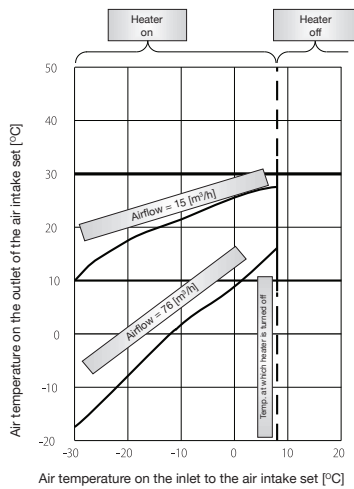


Chart shows the air temperature on the outlet of the air intake set in a function of the temperature of air coming into the NG110A air intake set for two airflow values 15 and 76 [m³/h].

NG110A power consumption chart

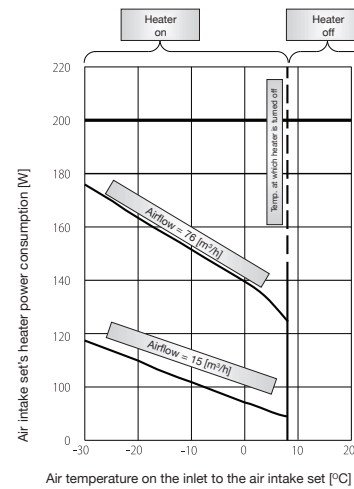
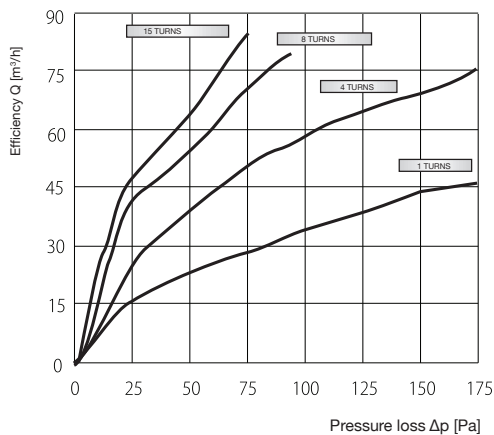
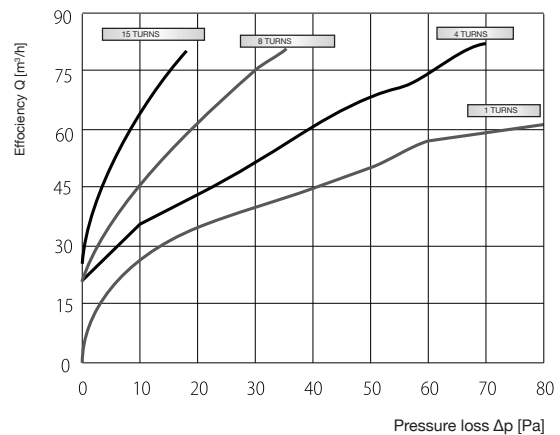


Chart shows the power consumption of the air intake set's heater in a function of the temperature of air coming into the NG110A air intake set for two airflow values 15 and 76 [m³/h].  
At temperature value ~8 [°C] the heater is being turned off.



Airflow chart for NG80A air intake set in a function of pressure differences. Charts for different positions of the flap valve (number of turns of the screw)



Airflow chart for NG110A air intake set in a function of pressure differences. Charts for different positions of the flap valve (number of turns of the screw)