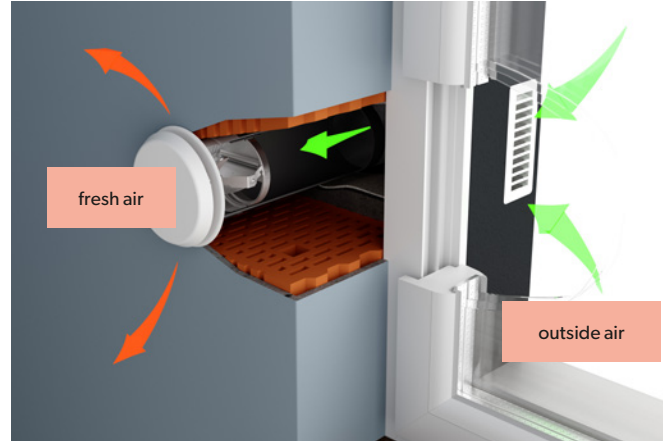
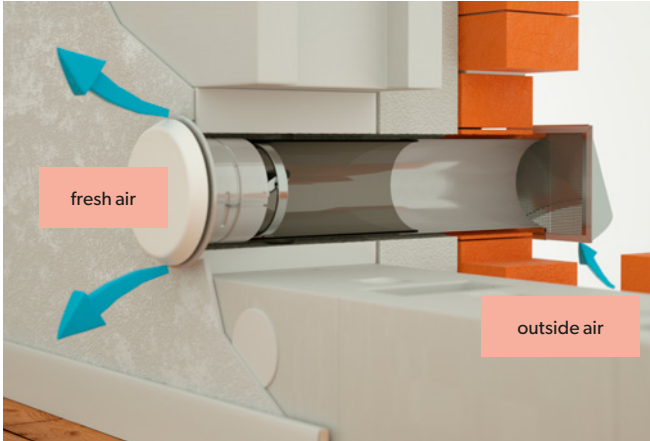


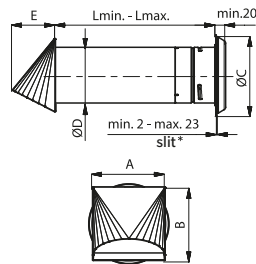
ROUND AIR INTAKE SET; WINDOW RECESS AIR INTAKE SET



Air intake set provides fresh air into the building. It is to be mounted above or next to the window, in the wall. Basic version is equipped with an air intake that assures proper air supply from outside. It is constructed in a way that protects from rainwater and is also equipped with wire mesh against rodents. On the side mounted inside the building air intake set is equipped with a flap valve with insulation, that prevents from water vapor condensation in winter as well as reduces noise. Valve allows to regulate the airflow precisely.

Air intake set can be additionally equipped with airflow stabilizer. It controls the airflow: limits the air supply to certain limits as well as protects from backflow. Each air intake set includes a filter (separately in the box, to be mounted by the user). Filter enables effective capturing of dust and other particles carried by the air.

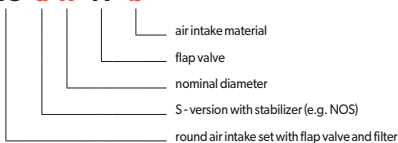
ROUND AIR INTAKE SET NO



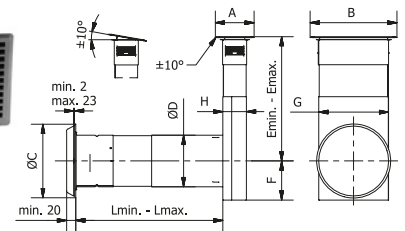
Diameter	Dimensions [mm]					
	A	B	C	D	E	F
80	104	105	121	77	62	-
110	146	147	161	112	87	-
150	196	197	211	162	116	-

* L_{min.}-L_{max.} - in next tables with technical datas

NO a x - A - b

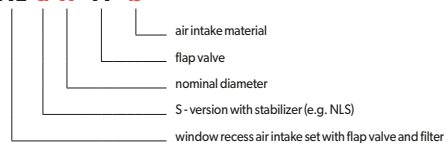


WINDOW RECESS AIR INTAKE SET NL



Diameter	Dimensions [mm]							
	A	B	C	D	E	F	G	H
80	85	189	121	77	200+270	65	152	52
110	85	189	161	112	200+270	85	152	52
150	125	238	211	162	240+310	110	202	92

NL a x - A - b



Additional equipment:

- basic filter
- stabilizer

Destination	W	W	W	W - air supply ventilation
	OC	-	-	OC - galvanised steel sheet
Air intake material	-	CC	-	CC - chrome-nickel steel sheet
	-	-	ML	ML - galvanised steel sheet powder coated
Channel material	PVC	PVC	PVC	PVC - pipe

Flap valve material-mild steel powder coated (white)

Technical data

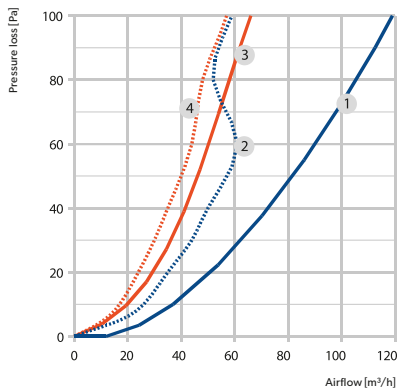
Version	Channel cross-section [cm ²]	Channel dimensions ** L _{min} -L _{max} [mm]	Mounting hole diameter [mm]	Airflow at 10 [Pa] [m ³ /h]	D _{n,e,w} [dB]		Weight [kg]
					2 mm	23 mm	
NO080A	38	320+550	90	37	37 (-1,-3)	31 (-1,-1)	0.80
NO110A	87	320+550	120	60	38 (-1,-3)	29 (0,0)	1.30
NO150A	177	350+580	170	124	36 (-1,-3)	27 (0,-1)	2.30
NOS080A	38	320+550	90	30	37 (-1,-3)	31 (-1,-1)	0.90
NOS110A	87	320+550	120	50	38 (0,-3)	29 (0,-1)	1.50
NOS150A	177	350+580	170	83	37 (-1,-3)	27 (0,-1)	2.60

Version	Channel cross-section [cm ²]	Channel dimensions ** L _{min} -L _{max} [mm]	Mounting hole diameter [mm]	Airflow at 10 [Pa] [m ³ /h]	D _{n,e,w} [dB]		Weight [kg]
					2 mm	23 mm	
NL080A	38	150*+450	90	27	44 (-1,-4)	40 (-1,-2)	1.30
NL110A	87	150*+450	120	30	40 (-1,-2)	34 (-1,-1)	1.40
NL150A	177	150*+450	170	64	42 (-1,-3)	30 (0,0)	2.70
NLS080A	38	150*+450	90	22	44 (-1,-4)	40 (-1,-3)	1.40
NLS110A	87	150*+450	120	25	40 (-1,-2)	34 (-1,-1)	1.70
NLS150A	177	150*+450	170	60	41 (-1,-3)	30 (0,0)	3.00

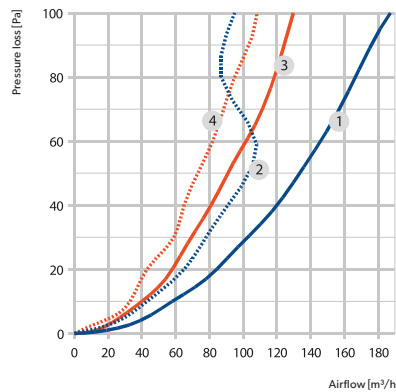
* dimensions to be reached after duct cutting

** see technical drawing on page 231

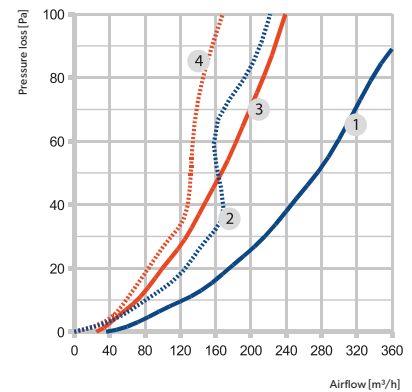
Airflow charts (round air intake set)



- 1- NO080A - no filter $\xi=2.3, S=38$ [cm²]
- 2- NOS080A - no filter ξ variable, $S=38$ [cm²]
- 3- NO080A - with filter $\xi=7.7, S=38$ [cm²]
- 4- NOS080A - with filter ξ variable, $S=38$ [cm²]

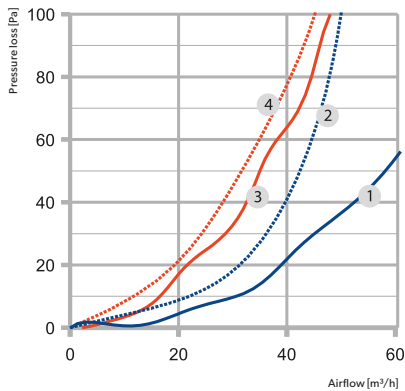


- 1- NO110A - no filter $\xi=4.5, S=87$ [cm²]
- 2- NOS110A - no filter ξ variable, $S=87$ [cm²]
- 3- NO110A - with filter $\xi=9.8, S=87$ [cm²]
- 4- NOS110A - with filter ξ variable, $S=87$ [cm²]

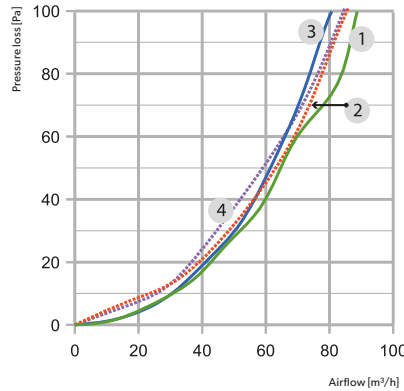


- 1- NO150A - no filter $\xi=4.4, S=177$ [cm²]
- 2- NOS150A - no filter ξ variable, $S=177$ [cm²]
- 3- NO150A - with filter $\xi=12.4, S=177$ [cm²]
- 4- NOS150A - with filter ξ variable, $S=177$ [cm²]

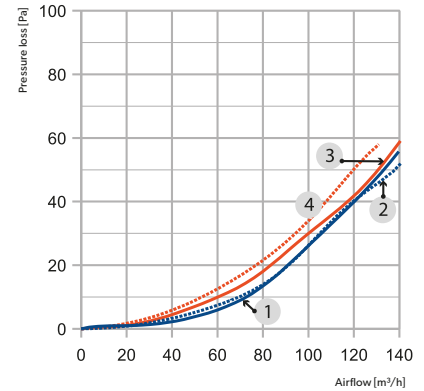
Airflow charts (window recess air intake set)



- 1- NL080A - no filter $\xi=4.7, S=38$ [cm²]
- 2- NLS080A - no filter ξ variable, $S=38$ [cm²]
- 3- NL080A - with filter $\xi=13.1, S=38$ [cm²]
- 4- NLS080A - with filter ξ variable, $S=38$ [cm²]

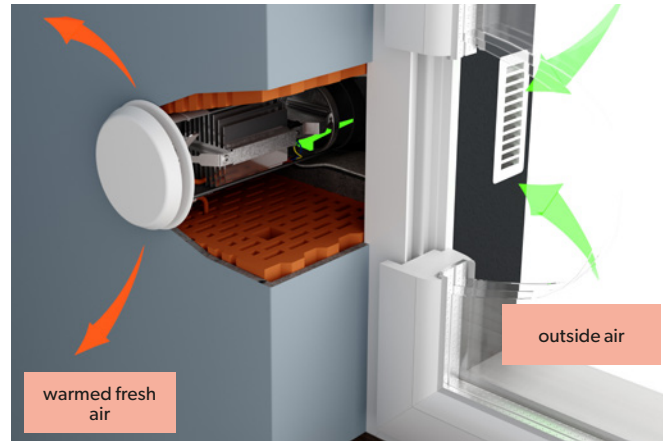
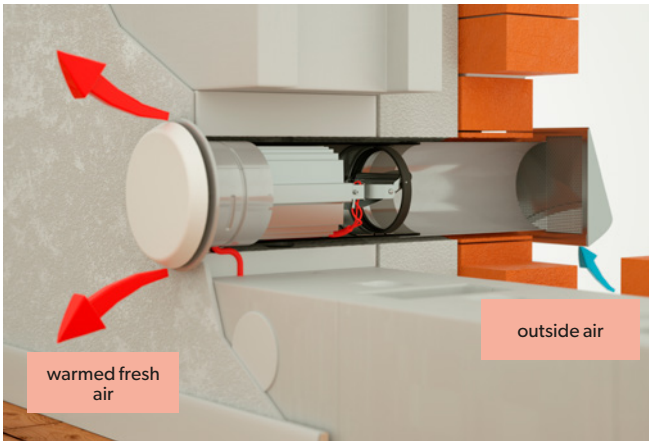


- 1- NL110A - no filter $\xi=18.2, S=87$ [cm²]
- 2- NLS110A - no filter ξ variable, $S=87$ [cm²]
- 3- NL110A - with filter $\xi=20.1, S=87$ [cm²]
- 4- NLS110A - with filter ξ variable, $S=87$ [cm²]



- 1- NL150A - no filter $\xi=17.2, S=177$ [cm²]
- 2- NLS150A - no filter ξ variable, $S=177$ [cm²]
- 3- NL150A - with filter $\xi=20.3, S=177$ [cm²]
- 4- NLS150A - with filter ξ variable, $S=177$ [cm²]

AIR INTAKE SET WITH HEATER



Air intake set with heater provides fresh and preheated air into the building. Thermostat turns the heating module on when temperature falls below 3°C and switches it off when temperature rises above 10-15°C. Semiconductor heating elements automatically regulate power consumption in relation to the amount and temperature of flowing air.

Basic version is equipped with a flap valve. Optionally a version with stabilizer is available. Airflow stabilizer controls the airflow: limits the air supply to certain limits as well as protects from backflow. Each air intake set includes a filter (separately in the box, to be mounted by the user). Filter enables effective capturing of dust and other particles carried by the air.

Destination	W	W	W - air supply ventilation
Air intake and flap valve material	CC	-	CC - chrome-nickel steel sheet
	-	ML	ML - galvanised steel sheet powder coated
Channel material	PP	PP	PP - pipe

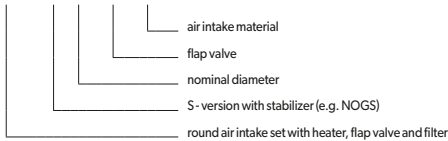
Additional equipment:

- basic filter
- stabilizer

ROUND AIR INTAKE SET WITH HEATER NOG



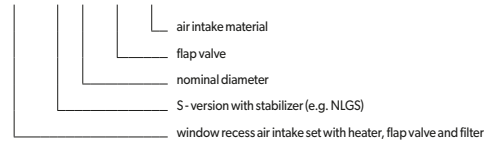
NOG a x - A - b



WINDOW RECESS AIR INTAKE SET WITH HEATER NLG



NLG a x - A - b



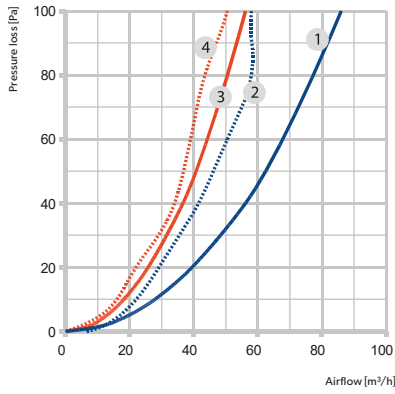
Technical data

Version	Channel cross-section [cm ²]	Channel dimensions ** L _{min} -L _{max} [mm]	Mounting hole diameter [mm]	Airflow at 10 [Pa] [m ³ /h]	D _{n,e,w} [dB]		Weight [kg]
					2 mm	23 mm	
NOG080A	38	320*+550	90	28	38 (-1,-3)	32 (0,-2)	1.30
NOG110A	87	320*+550	120	49	38 (0,-3)	30 (0,-1)	2.40
NOG150A	177	350*+580	170	97	36 (0,-2)	28 (-1,-2)	4.10
NOGS080A	38	320*+550	90	22	38 (-1,-3)	32 (0,-1)	1.40
NOGS110A	87	320*+550	120	40	38 (-1,-3)	30 (0,-1)	2.60
NOGS150A	177	350*+580	170	74	37 (-1,-3)	28 (0,-1)	4.40

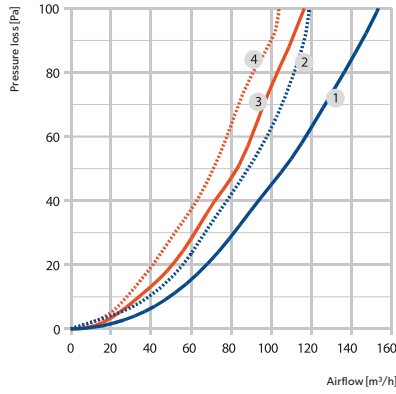
Version	Channel cross-section [cm ²]	Channel dimensions ** L _{min} -L _{max} [mm]	Mounting hole diameter [mm]	Airflow at 10 [Pa] [m ³ /h]	D _{n,e,w} [dB]		Weight [kg]
					2 mm	23 mm	
NLG080A	38	200*+450	90	23	44 (-1,-4)	40 (-1,-3)	1.80
NLG110A	87	200*+450	120	33	40 (-1,-2)	34 (0,0)	2.80
NLG150A	177	200*+450	170	76	42 (-1,-4)	30 (0,0)	4.80
NLGS080A	38	320*+450	90	20	44 (-1,-4)	40 (-1,-3)	1.90
NLGS110A	87	320*+450	120	23	40 (-1,-2)	34 (-1,-1)	2.90
NLGS150A	177	320*+450	170	55	41 (-1,-3)	31 (0,0)	5.10

* dimensions to be reached after duct cutting
 ** see technical drawing on page 231

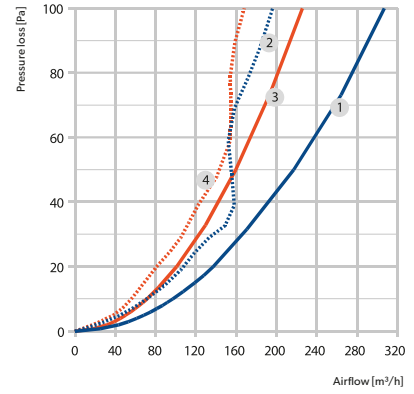
Airflow charts - round air intake set with heater



- 1- NOG80A - no filter $\xi=4.0, S=38[\text{cm}^2]$
- 2- NOGS80A - no filter ξ variable, $S=38[\text{cm}^2]$
- 3- NOG80A - with filter $\xi=9.4, S=38[\text{cm}^2]$
- 4- NOGS80A - with filter ξ variable, $S=38[\text{cm}^2]$

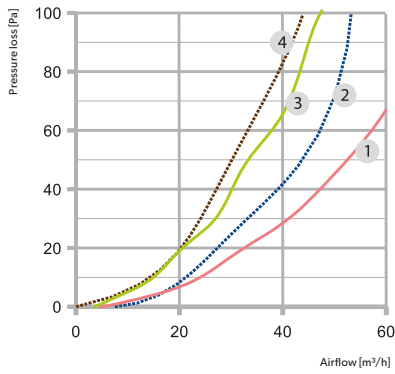


- 1- NOG110A - no filter $\xi=6.9, S=87[\text{cm}^2]$
- 2- NOGS110A - no filter ξ variable, $S=87[\text{cm}^2]$
- 3- NOG110A - with filter $\xi=12.4, S=87[\text{cm}^2]$
- 4- NOGS110A - with filter ξ variable, $S=87[\text{cm}^2]$

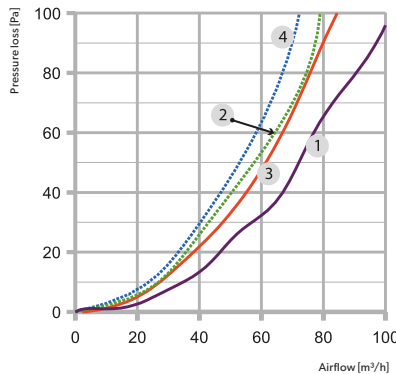


- 1- NOG150A - no filter $\xi=7.2, S=177[\text{cm}^2]$
- 2- NOGS150A - no filter ξ variable, $S=177[\text{cm}^2]$
- 3- NOG150A - with filter $\xi=13.3, S=177[\text{cm}^2]$
- 4- NOGS150A - with filter ξ variable, $S=177[\text{cm}^2]$

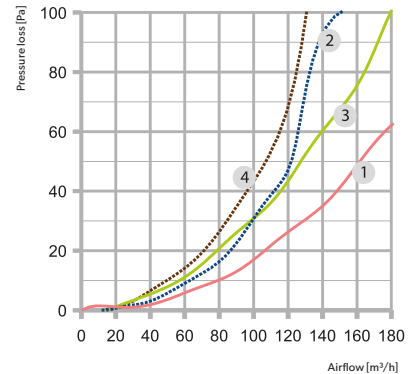
Airflow charts - window recess air intake set with heater



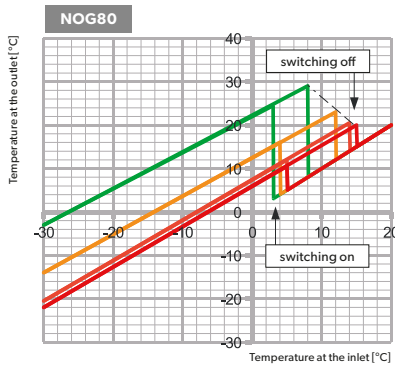
- 1- NLG80A no filter $\xi=6.2, S=38[\text{cm}^2]$
- 2- NLGS80A no filter ξ variable, $S=38[\text{cm}^2]$
- 3- NLG80A with filter $\xi=15.2, S=38[\text{cm}^2]$
- 4- NLGS80A with filter ξ variable, $S=38[\text{cm}^2]$



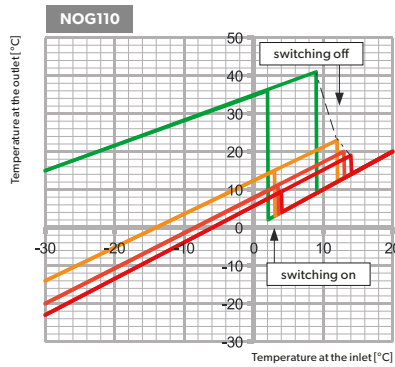
- 1- NLG110A no filter $\xi=14.7, S=87[\text{cm}^2]$
- 2- NLGS110A no filter ξ variable, $S=87[\text{cm}^2]$
- 3- NLG110A with filter $\xi=21.7, S=87[\text{cm}^2]$
- 4- NLGS110A with filter ξ variable, $S=87[\text{cm}^2]$



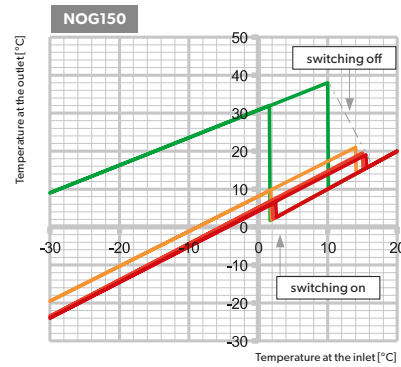
- 1- NLG150A no filter $\xi=12.4, S=177[\text{cm}^2]$
- 2- NLGS150A no filter ξ variable, $S=177[\text{cm}^2]$
- 3- NLG150A with filter $\xi=22.0, S=177[\text{cm}^2]$
- 4- NLGS150A with filter ξ variable, $S=177[\text{cm}^2]$



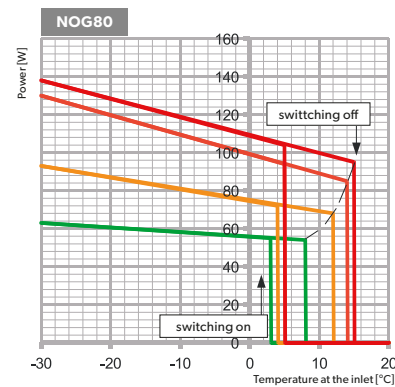
- Airflow 56 [m³/h]
- Airflow 42 [m³/h]
- Airflow 18 [m³/h]



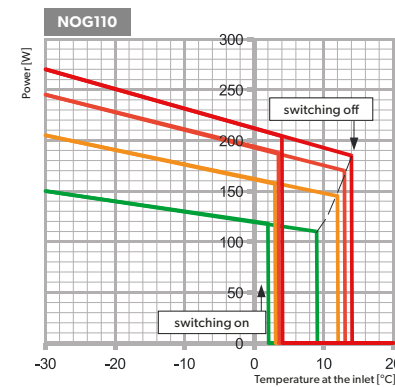
- Airflow 115 [m³/h]
- Airflow 77 [m³/h]
- Airflow 40 [m³/h]



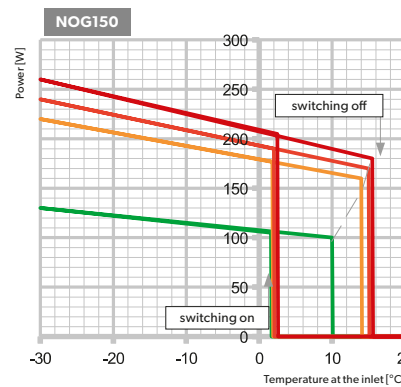
- Airflow 141 [m³/h]
- Airflow 123 [m³/h]
- Airflow 73 [m³/h]



- Airflow 56 [m³/h]
- Airflow 42 [m³/h]
- Airflow 18 [m³/h]

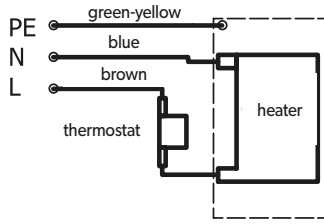


- Airflow 115 [m³/h]
- Airflow 77 [m³/h]
- Airflow 40 [m³/h]



- Airflow 141 [m³/h]
- Airflow 123 [m³/h]
- Airflow 73 [m³/h]

Electric diagram



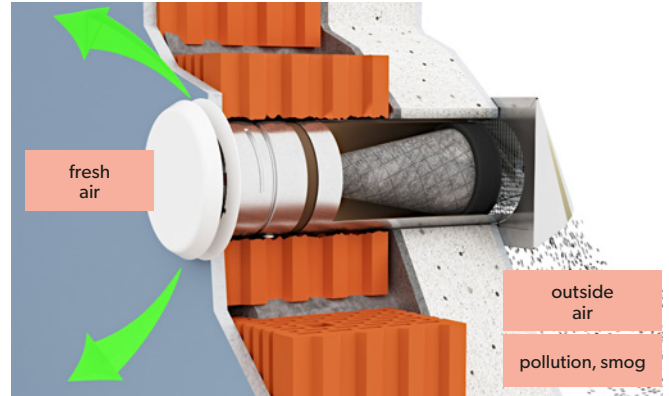
Electric parameters	NOG80	NOG110	NOG150
Supply voltage	230 V		
Nominal power	138 W	270 W	305 W
Max current	2 A	3 A	3.5 A
Protection level	IP 33		

ANTI POLLEN ROUND AIR INTAKE SET

Anti-pollen round air intake set is equipped with a nano-filter made of patented membrane. It catches even the smallest particles of harmful dust (PM 2.5), thanks to that it protects not only against smog, but also against allergens. Caution! Periodic membrane cleaning is necessary. Dust or pollution may cause airflow reduction.

Destination	W	W	W	W - air supply ventilation
Air intake material	OC	-	-	OC - galvanised steel sheet
Channel material	PVC	PVC	PVC	PVC - pipe

Flap valve material-mild steel powder coated (white)

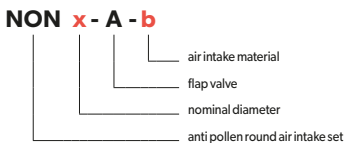


Technical data

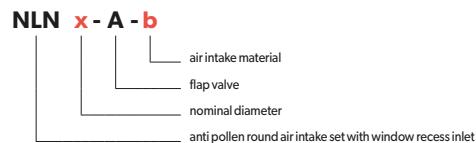
Version	Channel cross-section [cm ²]	Channel dimensions * L _{min} -L _{max} [mm]	Mounting hole diameter [mm]	Airflow at 10 [Pa] [m ³ /h]	Weight [kg]
NON080A	38	320+550	90	14	0.90
NON110A	87	320+550	120	26	1.50
NON150A	177	350+580	170	39	2.60
NLN080A	38	320+450	90	15	1.30
NLN110A	87	320+450	120	22	1.40
NLN150A	177	320+450	170	33	2.70

* see technical drawing on page 231

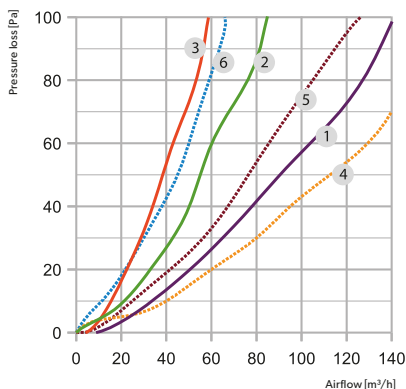
ANTI POLLEN ROUND AIR INTAKE SET NON



ANTI POLLEN ROUND AIR INTAKE SET WITH WINDOW RECESS INLET NLN



Airflow charts



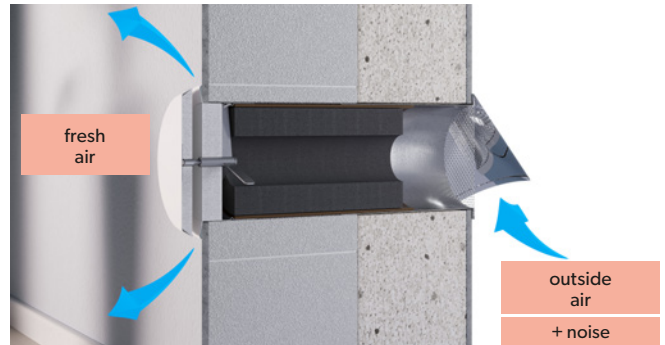
1- NLN150A {variable, S=177 [cm²]}
 2- NLN110A {variable, S=87 [cm²]}
 3- NLN080A {variable, S=38 [cm²]}
 4- NON150A {variable, S=177 [cm²]}
 5- NON110A {variable, S=87 [cm²]}
 6- NON080A {variable, S=38 [cm²]}

ACOUSTIC AIR INTAKE SET

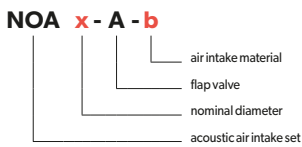
Acoustic round air intake set is equipped with noise reducing channel.

Destination	W	W	W	W - air supply ventilation
Air intake material	OC	-	-	OC - galvanised steel sheet
	-	CC	-	CC - chrome-nickel steel sheet
	-	-	ML	ML - galvanised steel sheet powder coated
Channel material	PVC	PVC	PVC	PVC - pipe

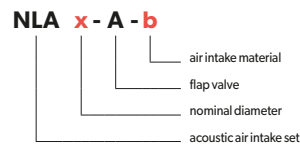
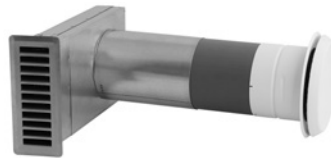
Flap valve material-mild steel powder coated (white)



ACOUSTIC ROUND AIR INTAKE SET NOA



ACOUSTIC WINDOW RECESS AIR INTAKE SET NLA



Technical data

Version	Channel cross-section [cm ²]	Channel dimensions * L _{min} -L _{max} [mm]	Mounting hole diameter [mm]	Airflow at 10 [Pa] [m ³ /h]	Dn,e,w [dB]		Weight [kg]
					2 mm	23 mm	
NOA110A	14	320+550	120	21	51 (-1;-4)	48 (-1;-4)	1.40
NOA150A	38	350+580	170	49	48 (-1;-5)	43 (-1;-4)	2.40
NLA110A	14	320+450	120	14	51 (-1;-4)	49 (0;-3)	1.50
NLA150A	38	320+450	170	41	49 (-2;-5)	45 (-1;-4)	2.80

* see technical drawing on page 231

Airflow charts

