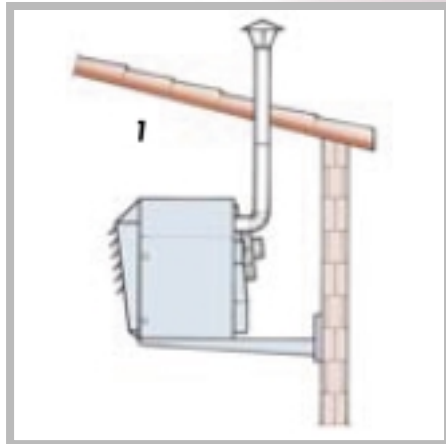
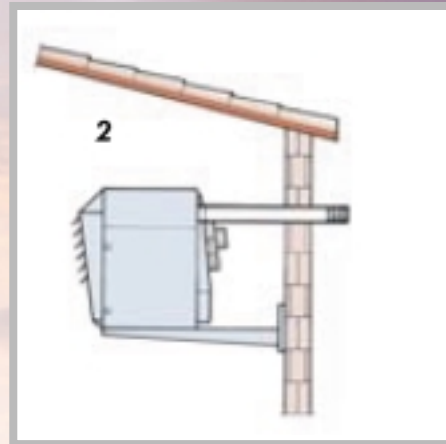


## Flue installations options of the Kroll atmospheric gas unit heaters are –

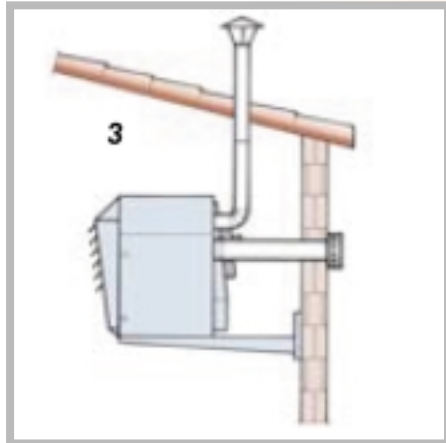
1. Roof outlet exhaust vent with combustion air taken from the area in which the heater is installed.



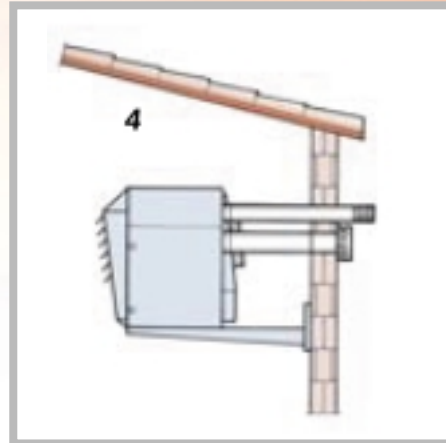
2. Wall outlet exhaust vent with wind proof terminal and combustion air taken from the area in which the heater is installed.



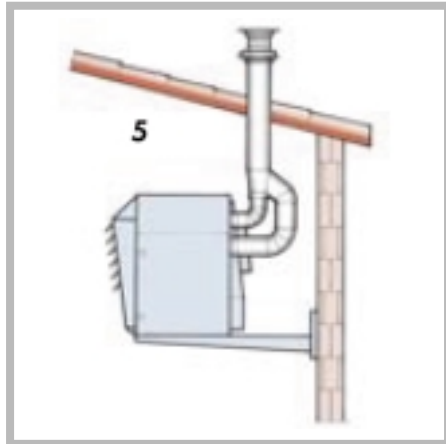
3. Roof outlet exhaust vent with combustion air intake directly from the outside through the wall.



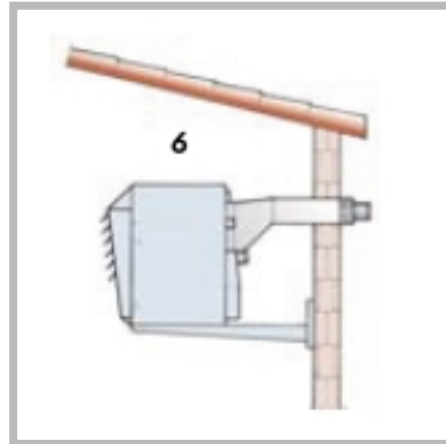
4. Wall outlet exhaust vent with combustion air intake directly from the outside, separated by wind proof terminals.



5. Vertical twin flue/ concentric roof outlet, exhaust vent and combustion air intake, with wind proof terminal.



6. Horizontal twin flue/ concentric wall outlet, exhaust vent and combustion air intake, with wind proof terminal.



## Atmospheric gas fired unit heaters from Kroll: Warm-air in an instant...



**Warm-air is not always the same:**

**The atmospheric gas unit heaters are both efficient and environmentally friendly, ensuring a pleasant and constant climate throughout the year.**

They are particularly suitable for the following applications;

- Factories, Warehouses, Workshops, Garages and Car Showrooms, Sports Clubs, Exhibition Halls, Greenhouses & Garden Centres and more.

**They are very compact and can be mounted exactly at the location, where warm-air is required.**

**Professionals heat with Kroll.**

Technical modifications reserved.

# Atmospheric gas fired unit heaters from Kroll: Warm-air in an instant...



The atmospheric gas unit heaters from Kroll are available in two versions:

## Version N:

- - single stage with constant heating and ventilating power

## Version N...4:

- - two- step heating power and two-step ventilation
- - precise room temperatures and shortest heating-up times
- minimum noise level

All heaters are marked by a very high efficiency of 92% and more.

The desired warm-air is available immediately after turning-on the unit.

There is no start-up period which is the case with "wet" heating systems, for example.

At the heart of all Kroll "N" series gas fired unit heaters is the patented heat-exchanger, which is manufactured in stainless steel for high heat efficiency.

The atmospheric high-performance burner composes of newly developed burner lance, electronic ignition and ionisation control.

There is no welding around the high-performance burner, which makes the burner very durable requiring minimal maintenance if any.

The warm air is blown out by means of highly efficient and silently working axial fans. Optimised air-outlet grills assure impeccable warm-air distribution.

The fans enable the optimal warmth transmission of the heat-exchanger and prevent the combustion chamber from being overheated.

The number of fans functioning is proportionate to the efficiency of the heaters.

The units can be suspended or bracket mounted on a wall, either option frees valuable workspace for the user.

The Kroll "N" series can be room sealed or open flued, allowing for greater installation flexibility to suit the site conditions.

Accessories available for the Kroll atmospheric gas unit heaters include -

- vertical air louvers for an optimised air distribution
- wall-mounted consoles and suspension equipment
- room thermostat
- remote control with room thermostat and time-clock
- central controller for 4 to 16 units

## Quality

All Kroll products are manufactured to ISO 9001.



Heat-exchanger in stainless steel



N 54



N 4

Single stage models		N 2	N 3	N 4	N 5	N 7	N 9	N 11	
Heat Input	kW	17,3	27,2	36,7	41,7	58,5	76,6	94,2	
Efficiency	%	92,5	92	92,5	92	92	92	92	
Heat Output	kW	16,0	25,0	34,0	38,4	53,8	70,5	86,4	
Air rate	m³/h	1630	2550	3450	4130	5900	7900	8750	
Fan Throw	m	14	17	18	26	32	35	37	
Temperature increase	K	29	29	29	28	27	27	29	
Noise level	dB(A)	46,5	52,0	54,5	55	54	56	59	
Gas consumption	nat. gas G 20	m³/h	1,74	2,73	3,68	4,2	5,9	7,7	9,4
	nat. gas G 25	m³/h	2,02	3,17	4,28	4,9	6,8	8,9	11,0
	propane G 31	kg/h	1,84	2,11	2,85	3,2	4,5	5,9	7,3
	butane G 30	kg/h	1,36	2,14	2,89	3,3	4,6	6,0	7,4
Electrical Connection	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50	230/50	

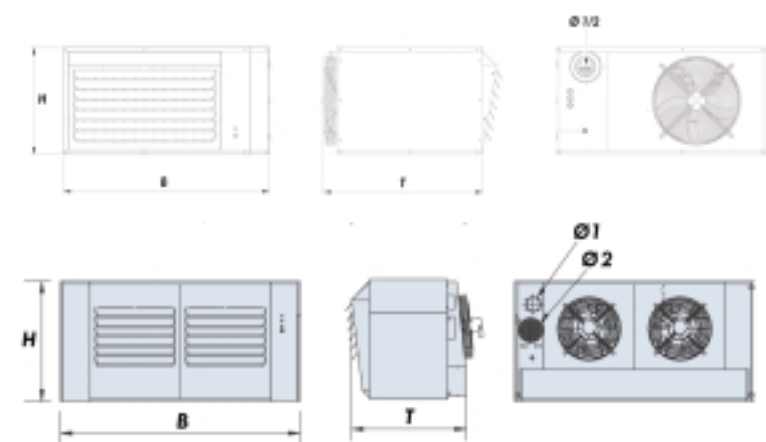
Two/two step models		N 24	N 34	N 44	N 54	N 74	N 94	N 114	
Heat Input max.	kW	17,3	27,2	36,7	41,7	58,5	76,6	94,2	
Efficiency	%	92,5	92	92,5	92	92	92	92	
Heat Output max.	kW	16,0	25,0	34,0	38,4	53,8	70,5	86,4	
Heat Output min.	kW	10,9	17,2	22,9	28,8	40,5	52,9	65,2	
Air rate max.	m³/h	1630	2550	3450	4130	5900	7900	8750	
Air rate min.	m³/h	1290	2040	2710	3700	5000	7200	7800	
Temperature increase max.	K	29	29	29	28	27	27	29	
Temperature increase min.	K	25	25	25	23	24	22	25	
Noise level*	dB(A)	46,5	52,0	54,5	55	54	56	59	
Gas consumption max.	nat. gas G 20	m³/h	1,74	2,73	3,68	4,2	5,9	7,7	9,4
	nat. gas G 25	m³/h	2,02	3,17	4,28	4,9	6,8	8,9	11,0
	propane G 31	kg/h	1,84	2,11	2,85	3,2	4,5	5,9	7,3
	butane G 30	kg/h	1,36	2,14	2,89	3,3	4,6	6,0	7,4
Gas consumption min.	nat. gas G 20	m³/h	1,21	1,90	2,56	3,2	4,5	5,9	7,3
	nat. gas G 25	m³/h	1,41	2,22	2,97	3,7	5,2	6,8	8,4
	propane G 31	kg/h	0,94	1,48	1,98	2,5	3,5	4,5	5,6
	butane G 30	kg/h	0,95	1,5	2,01	2,5	3,6	4,6	5,7
Electrical Voltage	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50	230/50	

\*measured horizontally at a 6 m distance

Dimensions in mm	B	T	H	Ø 1/2
<b>Types</b>				
<b>N 2, N 24</b>	885	695	420	80/125
<b>N 3, N 34</b>	885	695	460	80/125
<b>N 4, N 44</b>	885	695	520	80/125

Dimensions in mm	B	T	H	Ø 1	Ø 2
<b>Types</b>					
<b>N 5, N 54</b>	925	775	860	100	150
<b>N 7, N 74</b>	1170	825	860	100	150
<b>N 9, N 94</b>	1720	825	860	100	150
<b>N 11, N 114</b>	1960	825	860	100	150

Ø 1 = flue pipe (exhaust)  
Ø 2 = fresh air inlet



Technical modifications reserved.