TÜV Rheinland Energy & Environment GmbH
Test Centre for Energy Appliances

TÜVRheinland®
Precisely Right.

Report No. K 3519 2024 Z1

Residential solid fuel burning appliances: mechanically by wood pellets fed roomheaters, inset appliances and cookers.

Renaming

in accordance with DIN EN 16510-1:2023-02 and DIN EN 16510-2-6:2023-02

Types:
SSI6+, SSI8+

Models:
NEXTGEN6, NEXTELITE6, NEXTWOODY6, IULIANEXT6,
NEXTGEN9, NEXTELITE9, NEXTWOODY9, IULIANEXT9

Trademark:
AMG

Company:
AMG S.p.A.

ilac-MRA DAkkS Deutsche Akkreditierungsstelle D-PL-11120-04-00

This accreditation is valid only for the listed standards as stated in the accreditation annex of D-PL-11120-04-00

Renaming

Residential solid fuel burning appliances: mechanically by wood pellets fed roomheaters, inset appliances and cookers. DIN EN 16510-1:2023-02 and DIN EN 16510-2-6:2023-02

Applicant/contractor:	**AMG S.p.A.** Via delle Arti e dei Mestieri 1/3, 36030 San Vito di Leguzzano (VI) - Italy	
Trademark:	**AMG**	
Type designation:	**SSI6+**	**SSI8+**
Models designation:	**NEXTGEN6,** **NEXTELITE6,** **NEXTWOODY6,** **IULIANEXT6**	**NEXTGEN9,** **NEXTELITE9,** **NEXTWOODY9,** **IULIANEXT9**
Appliances description:	Mechanical by wood pellets fed roomheaters	
Test fuel:	Wood pellets	
Specified data by applicant		
Type of appliances:	CC, CC50	
Heat output:	3,1 - 6,2 kW	3,5 - 8,0 kW
Water heat output:	Not applicable	

Remarks: Report data are based on historical data of the initial Type Testing report n. K 3508 2024 T1 dated 13/11/2024 and issued in accordance with DIN EN 16510-1:2023-02 and DIN EN 16510-2-6:2023-02.

Test basis: DIN EN 16510-1:2023-02 and DIN EN 16510-2-6:2023-02.

Test results: the appliance conforms with the requirements of DIN EN 16510-1:2023-02, except for clauses 5.8, 5.8.4 and 8, which are not part of this assessment. The appliance conforms with the requirements of DIN EN 16510-2-6:2023-02 except for clause 4.9, which is not part of this assessment. Performance assessments regarding environmental sustainability is not the subject of this report. A possible NPD declaration by the manufacturer is also not included in this report.

Dated in Cologne, 2024-12-05

TÜV Rheinland Energy & Environment GmbH
Test Centre according to Construction
Product Regulation 305/2011(CPR)
Notified Body: 2456

Assessor:

Dipl.-Ing. M. Ciccarelli

Report released after review:

Dipl.-Ing. A. Pomp

1 Task

The Test Centre for Energy Appliances was instructed to execute a renaming on the above mentioned room heaters:

Initial type Testing: AMG S.p.A. Via delle Arti e dei Mestieri 1/3, 36030 San Vito di Leguzzano (VI) – Italy Reports: K35082024T1, K35082024B2		**Renaming:** AMG S.p.A. Via delle Arti e dei Mestieri 1/3, 36030 San Vito di Leguzzano (VI) – Italy Reports: K35192024Z1, K35192024B2	
Trademark: AMG		**Trademark:** AMG	
Types:		**Types:**	
SSI6+	SSI8+	SSI6+	SSI8+
Models:		**Models:**	
BIOVITA6, **CERERE6,** **ESSENTIA6,** **FILTRA6,** **INNOVA6,** **LIMPIA6,** **PURELLE6,** **RINNOVA6,** **SUSTENIA6,** **VERDIVA6**	**BIOVITA8,** **CERERE8,** **ESSENTIA8,** **FILTRA8,** **INNOVA8,** **LIMPIA8,** **PURELLE8,** **RINNOVA8,** **SUSTENIA8,** **VERDIVA8**	**NEXTGEN6,** **NEXTELITE6,** **NEXTWOODY6,** **IULIANEXT6**	**NEXTGEN9,** **NEXTELITE9,** **NEXTWOODY9,** **IULIANEXT9**

AMG S.p.A. ensures that modifications on the renamed product have not been carried out, except than for external coverings and specified combustion data.

2 Description of the appliances

2.1 Construction

Mechanical by wood pellets fed roomheaters.

The main features of the appliances are:

- CC, CC50 type of sealed appliances.
- Fan assisted exhaust flue gas discharge.
- Horizontal (backside) exhaust flue gas outlet. Flue spigot diameter 80 mm.
- Pellet automatic ignition.
- Internal flue gas electrostatic filter.
- The appliances are equipped with a frontal hot air convection fan: its speed is dependent to the selected power.

2.2 General technical specified data of the appliances

Type designation	SSI6+
Models name	NEXTGEN6, NEXTELITE6, NEXTWOODY6, IULIANEXT6

Parameter	Explanation	Specified data by the applicant
P_{nom}	Nominal heat output or a range of outputs (dependent on fuel types), given with 1 decimal	6,2 kW
P_{SHnom}	Nominal space heat output or a range of outputs (dependent on fuel types), given with 1 decimal	6,2 kW
P_{Wnom}	Nominal water output (if an integral boiler is fitted) or a range of outputs (dependent on fuel types), given with 1 decimal	- kW
P_{part}	Part load heat output or a range of outputs (dependent on fuel types) if specified, given with 1 decimal	3,1 kW
P_{SHpart}	Part load space heat output or a range of outputs (dependent on fuel types) if specified, given with 1 decimal	3,1 kW
P_{Wpart}	Part load water output (if an integral boiler is fitted) or a range of outputs (dependent on fuel types) if specified, given with 1 decimal	- kW
P_{slow}	Heat output at slow combustion or a range of outputs (dependent on fuel types) if specified, given with 1 decimal	--
P_{SHslow}	Space heat output at slow combustion or a range of outputs (dependent on fuel types) if specified, given with 1 decimal	--
P_{Wslow}	Water heat output at slow combustion (if an integral boiler is fitted) or a range of outputs (dependent on fuel types) if specified, with 1 decimal	--
$P_{acc\ in}$	Accumulator heat input, in kW or W for Kachelofen inset appliances only	--
$T_{acc\ in}$	Temperature at the separate heat exchanger inlet, for Kachelofen inset appliances only, given as an integer	--
ζ_{acc}	Flow resistance of the separate heat exchanger as used in the test, for Kachelofen inset appliances only	--
η_{nom}	Appliance efficiency at nominal heat output, given as an integer	93 %
η_{part}	Appliance efficiency at part load heat output, given as an integer	96 %
η_S	Appliance seasonal space heating efficiency at nominal heat output, given as an integer	89 %
EEI	Energy efficiency index, given as an integer	132
CO_{nom} **(13 % O_2)**	CO emission at 13 % oxygen content at nominal heat output, given as an integer	170 mg/m^3
CO_{part} **(13 % O_2)**	CO emission at 13 % oxygen content at part load heat output if specified, given as an integer	249 mg/m^3
CO_{slow} **(13 % O_2)**	CO emission at 13 % oxygen content at heat output at slow combustion if specified, given as an integer	--

NO_{xnom} (13 % O_2)	NO_x emission at 13 % oxygen content at nominal heat output, given as an integer	99 mg/m³
NO_{xpart} (13 % O_2)	NO_x emission at 13 % oxygen content at part load heat output if specified, given as an integer	120 mg/m³
NO_{xslow} (13 % O_2)	NO_x emission at 13 % oxygen content at heat output at slow combustion if specified, given as an integer	--
OGC_{nom} (13 % O_2)	Hydrocarbon emission at 13 % oxygen content at nominal heat output, given as an integer	2 mg/m³
OGC_{part} (13 % O_2)	Hydrocarbon emission at 13 % oxygen content at part load heat output if specified, given as an integer	6 mg/m³
OGC_{slow} (13 % O_2)	Hydrocarbon emission at 13 % oxygen content at heat output at slow combustion if specified, given as an integer	--
PM_{nom} (13 % O_2)	Particulate matter emission at 13 % oxygen content at nominal heat output, given as an integer	3 mg/m³
PM_{part} (13 % O_2)	Particulate matter emission at 13 % oxygen content at part load heat output if specified, given as an integer	13 mg/m³
PM_{slow} (13 % O_2)	Particulate matter emission at 13 % oxygen content at heat output at slow combustion if specified, given as an integer	--
p_{nom}	Minimum flue draught at nominal heat output, given as an integer	6 Pa
p_{part}	Minimum flue draught at part load heat output if specified, given as an integer	6 Pa
p_{slow}	Minimum flue draught at heat output at slow combustion if specified, given as an integer	--
p_W	Permissible maximum water operating pressure, if applicable, given with 1 decimal	--
d_R	Minimum distances from the rear to combustible material, given as an integer	100 mm
d_S	Minimum distances from the sides to combustible material, given as an integer	200 mm
d_C	Minimum distances from the top to combustible material in the ceiling, given as an integer	750 mm
d_p	Minimum distances from the front to combustible material	1000 mm
d_F	Minimum distances from the front to combustible material in bottom front radiation area, given as an integer	300 mm
d_L	Minimum distances from the front to combustible material in side front radiation area, given as an integer	200 mm
d_B	Minimum distances below the bottom (not regarding feet) to combustible material, given as an integer	0 mm
d_{non}	Minimum distances to non-combustible walls, given as an integer	--
s	Protective insulation according to manufacturer's instructions	--
el_{SB}	Consumption of electrical auxiliary energy at standby, given with 3 decimals	0,001 kW
el_{max}	Consumption of electrical auxiliary energy at nominal heat output, given with 3 decimals	0,058 kW

el_{min}	Consumption of electrical auxiliary energy at part load heat output, given with 3 decimals	0,045 kW
E, f	Power supply voltage, frequency, given as an integer	230 V, 50 Hz
W_{max}	Maximum electric power input, given as an integer	310 W
T_{snom}	Flue gas outlet temperature at nominal heat output, given as an integer	169 °C
T_{spart}	Flue gas outlet temperature at part load heat output, given as an integer (given for pellet operation only)	106 °C
T_{class}	Chimney designation according to the appropriate chimney standard	T250 G
$\phi_{f,g\ nom}$	Flue gas mass flow at nominal heat output, given with 1 decimal	3,3 g/s
$\phi_{f,g\ part}$	Flue gas mass flow at part load heat output, given with 1 decimal (given for pellet operation only)	2,0 g/s
V_h	Standing Air Loss, if specified, given with 1 decimal	--
CON or **INT**	whether the appliance is capable of continuous operation (CON), whether the appliance is capable of intermittent operation (INT)	CON
d_{out}	Diameter of the flue gas outlet, given as an integer	80 mm
L, H, W	Overall dimensions of the appliance (length, height, width), given as an integer	440x962x465 mm
m	Mass of the appliance, given as an integer (in relation to the building's statics)	55 kg
m_{chim}	Maximum load of a chimney the appliance may carry, given as an integer	0 kg

The specified (declared) heat output, efficiency and emission values are in line with the measured values considering rounding rules of DIN EN 16510-1:2023-02, clause A.5.

Type designation	SSI8+
Models name	NEXTGEN9, NEXTELITE9, NEXTWOODY9, IULIANEXT9

Parameter	Explanation	Specified data by the applicant
P_{nom}	Nominal heat output or a range of outputs (dependent on fuel types), given with 1 decimal	8,0 kW
P_{SHnom}	Nominal space heat output or a range of outputs (dependent on fuel types), given with 1 decimal	8,0 kW
P_{Wnom}	Nominal water output (if an integral boiler is fitted) or a range of outputs (dependent on fuel types), given with 1 decimal	- kW
P_{part}	Part load heat output or a range of outputs (dependent on fuel types) if specified, given with 1 decimal	3,5 kW
P_{SHpart}	Part load space heat output or a range of outputs (dependent on fuel types) if specified, given with 1 decimal	3,5 kW
P_{Wpart}	Part load water output (if an integral boiler is fitted) or a range of outputs (dependent on fuel types) if specified, given with 1 decimal	- kW
P_{slow}	Heat output at slow combustion or a range of outputs (dependent on fuel types) if specified, given with 1 decimal	--
P_{SHslow}	Space heat output at slow combustion or a range of outputs (dependent on fuel types) if specified, given with 1 decimal	--
P_{Wslow}	Water heat output at slow combustion (if an integral boiler is fitted) or a range of outputs (dependent on fuel types) if specified, with 1 decimal	--
$P_{acc\ in}$	Accumulator heat input, in kW or W for Kachelofen inset appliances only	--
$T_{acc\ in}$	Temperature at the separate heat exchanger inlet, for Kachelofen inset appliances only, given as an integer	--
ζ_{acc}	Flow resistance of the separate heat exchanger as used in the test, for Kachelofen inset appliances only	--
η_{nom}	Appliance efficiency at nominal heat output, given as an integer	92 %
η_{part}	Appliance efficiency at part load heat output, given as an integer	94 %
η_S	Appliance seasonal space heating efficiency at nominal heat output, given as an integer	89 %
EEI	Energy efficiency index, given as an integer	130
CO_{nom} **(13 % O_2)**	CO emission at 13 % oxygen content at nominal heat output, given as an integer	160 mg/m^3
CO_{part} **(13 % O_2)**	CO emission at 13 % oxygen content at part load heat output if specified, given as an integer	200 mg/m^3
CO_{slow} **(13 % O_2)**	CO emission at 13 % oxygen content at heat output at slow combustion if specified, given as an integer	--
NO_{xnom} **(13 % O_2)**	NO_x emission at 13 % oxygen content at nominal heat output, given as an integer	99 mg/m^3

NO_{xpart} (13 % O_2)	NO_x emission at 13 % oxygen content at part load heat output if specified, given as an integer	99 mg/m³
NO_{xslow} (13 % O_2)	NO_x emission at 13 % oxygen content at heat output at slow combustion if specified, given as an integer	--
OGC_{nom} (13 % O_2)	Hydrocarbon emission at 13 % oxygen content at nominal heat output, given as an integer	1 mg/m³
OGC_{part} (13 % O_2)	Hydrocarbon emission at 13 % oxygen content at part load heat output if specified, given as an integer	3 mg/m³
OGC_{slow} (13 % O_2)	Hydrocarbon emission at 13 % oxygen content at heat output at slow combustion if specified, given as an integer	--
PM_{nom} (13 % O_2)	Particulate matter emission at 13 % oxygen content at nominal heat output, given as an integer	2 mg/m³
PM_{part} (13 % O_2)	Particulate matter emission at 13 % oxygen content at part load heat output if specified, given as an integer	4 mg/m³
PM_{slow} (13 % O_2)	Particulate matter emission at 13 % oxygen content at heat output at slow combustion if specified, given as an integer	--
p_{nom}	Minimum flue draught at nominal heat output, given as an integer	8 Pa
p_{part}	Minimum flue draught at part load heat output if specified, given as an integer	7 Pa
p_{slow}	Minimum flue draught at heat output at slow combustion if specified, given as an integer	--
p_W	Permissible maximum water operating pressure, if applicable, given with 1 decimal	--
d_R	Minimum distances from the rear to combustible material, given as an integer	100 mm
d_S	Minimum distances from the sides to combustible material, given as an integer	200 mm
d_C	Minimum distances from the top to combustible material in the ceiling, given as an integer	750 mm
d_p	Minimum distances from the front to combustible material	1000 mm
d_F	Minimum distances from the front to combustible material in bottom front radiation area, given as an integer	300 mm
d_L	Minimum distances from the front to combustible material in side front radiation area, given as an integer	200 mm
d_B	Minimum distances below the bottom (not regarding feet) to combustible material, given as an integer	0 mm
d_{non}	Minimum distances to non-combustible walls, given as an integer	--
s	Protective insulation according to manufacturer's instructions	--
el_{SB}	Consumption of electrical auxiliary energy at standby, given with 3 decimals	0,001 kW
el_{max}	Consumption of electrical auxiliary energy at nominal heat output, given with 3 decimals	0,070 kW
el_{min}	Consumption of electrical auxiliary energy at part load heat output, given with 3 decimals	0,046 kW

E, f	Power supply voltage, frequency, given as an integer	230 V, 50 Hz
W_{max}	Maximum electric power input, given as an integer	310 W
T_{snom}	Flue gas outlet temperature at nominal heat output, given as an integer	209 °C
T_{spart}	Flue gas outlet temperature at part load heat output, given as an integer (given for pellet operation only)	131 °C
T_{class}	Chimney designation according to the appropriate chimney standard	T250 G
$\phi_{f,g\ nom}$	Flue gas mass flow at nominal heat output, given with 1 decimal	3,9 g/s
$\phi_{f,g\ part}$	Flue gas mass flow at part load heat output, given with 1 decimal (given for pellet operation only)	2,3 g/s
V_h	Standing Air Loss, if specified, given with 1 decimal	--
CON or **INT**	whether the appliance is capable of continuous operation (CON), whether the appliance is capable of intermittent operation (INT)	CON
d_{out}	Diameter of the flue gas outlet, given as an integer	80 mm
L, H, W	Overall dimensions of the appliance (length, height, width), given as an integer	440x962x465 mm
m	Mass of the appliance, given as an integer (in relation to the building's statics)	55 kg
m_{chim}	Maximum load of a chimney the appliance may carry, given as an integer	0 kg

The specified (declared) heat output, efficiency and emission values are in line with the measured values considering rounding rules of DIN EN 16510-1:2023-02, clause A.5.

3 Test results

Report data are based on historical data of the initial Type Testing report n. K 3115 2021 T1 dated 13/07/2021 and issued in accordance with DIN EN 16510-1:2023-02 and DIN EN 16510-2-6:2023-02.

3.1 Energy efficiency

3.1.1 Energy efficiency control features and test data

Type designation	SSI6+
Models name	NEXTGEN6, NEXTELITE6, NEXTWOODY6, IULIANEXT6

Working condition	Description	Parameter	Result	Unit
Nominal heat output	Auxiliary electrical energy consumption at nominal heat output *	el_{max}	0,058	kW
Part load heat output	Auxiliary electrical energy consumption at part load heat output *	el_{min}	0,045	kW
Standby	Auxiliary electrical energy consumption in standby mode **	el_{SB}	0,001	kW

*) Average values, measured according to EN 15456:2008.
**) Average value, measured according to IEC 62301:2011.

Type designation	SSI8+
Models name	NEXTGEN9, NEXTELITE9, NEXTWOODY9, IULIANEXT9

Working condition	Description	Parameter	Result	Unit
Nominal heat output	Auxiliary electrical energy consumption at nominal heat output *	el_{max}	0,070	kW
Part load heat output	Auxiliary electrical energy consumption at part load heat output *	el_{min}	0,046	kW
Standby	Auxiliary electrical energy consumption in standby mode **	el_{SB}	0,001	kW

*) Average values, measured according to EN 15456:2008.
**) Average value, measured according to IEC 62301:2011.

Room temperature control
With electronic room temperature control plus week timer

Controls for indoor heating comfort	
Room temperature control with presence detection	No
Room temperature control with open window detection	No
Distance control option	Yes

3.1.2 Energy efficiency calculation

Type designation	SSI6+
Models name	NEXTGEN6, NEXTELITE6, NEXTWOODY6, IULIANEXT6

Definition	Parameter	Unit	Result	Requirement
Appliance efficiency at nominal heat output	η_{nom}	%	93	-
Contributions of controls of indoor heating comfort (mutually exclusive temperature controls)	F(2)	%	7	-
Contributions of controls of indoor heating comfort	F(3)	%	1	-
Negative contribution to the seasonal space heating energy efficiency by auxiliary electricity consumption	F(4)	%	2,0	-
Negative contribution to the energy efficiency index by energy consumption of a permanent pilot flame	F(5)	%	0	-
Biomass label factor	BLF	---	1,45	-
Seasonal space heating energy efficiency	η_s	%	89	≥ 79
Energy efficiency index	EEI	---	132	-
Energy efficiency classification	---	---	A++	-

Type designation	SSI8+
Models name	NEXTGEN9, NEXTELITE9, NEXTWOODY9, IULIANEXT9

Definition	Parameter	Unit	Result	Requirement
Appliance efficiency at nominal heat output	η_{nom}	%	92	-
Contributions of controls of indoor heating comfort (mutually exclusive temperature controls)	F(2)	%	7	-
Contributions of controls of indoor heating comfort	F(3)	%	1	-
Negative contribution to the seasonal space heating energy efficiency by auxiliary electricity consumption	F(4)	%	1,6	-
Negative contribution to the energy efficiency index by energy consumption of a permanent pilot flame	F(5)	%	0	-
Biomass label factor	BLF	---	1,45	-
Seasonal space heating energy efficiency	η_s	%	89	≥ 79
Energy efficiency index	EEI	---	130	-
Energy efficiency classification	---	---	A++	-

3.2 Resume of combustion test results

Type designation	SSI6+
Models name	NEXTGEN6, NEXTELITE6, NEXTWOODY6, IULIANEXT6

Definition	Parameter	Unit	Nominal	Partial	Requirement
Fuel consumption	M_h	kg/h	1,4	0,7	-
Minimum refuelling intervals	-	min	180	360	2 x 180 / 360
Flue gas mass flow	$\Phi_{f,g}$	g/s	3,3	2,0	-
Flue gas temperature	T_{fg}	°C	141	88	-
Flue gas outlet temperature	T_{snom}	°C	169	106	-
Flue draught	p_{nom} / p_{part}	Pa	6	6	≥ 12 * / ≥ 6 **
CO_2 concentration	CO_2	Vol.-%	13,4	11,4	-
O_2 concentration	O_2	Vol.-%	7,5	9,5	-
CO concentration	-	ppm	149	267	-
CO emission (13% O_2)	CO_{nom} (13% O_2) / CO_{part} (13% O_2)	mg/m³	111	232	≤ 300 / -
CO emission	-	mg/MJ	66	139	-
NO_x concentration	-	ppm	89	68	-
NO_x emission (13% O_2)	NO_{xnom} (13% O_2) / NO_{xpart} (13% O_2)	mg/m³	92	82	≤ 200 / -
NO_x emission	-	mg/MJ	65	58	-
OGC concentration	-	ppm	2	5	-
OGC emission (13% O_2)	OGC_{nom} (13% O_2) / OGC_{part} (13% O_2)	mg/m³	2	6	≤ 60 / -
OGC emission	-	mg/MJ	1	3	-
PM concentration ***	-	mg/m³	6	19	-
PM emission (13% O_2)	PM_{nom} (13% O_2) / PM_{part} (13% O_2)	mg/m³	3	13	≤ 20 / -
PM emission	-	mg/MJ	2	8	-
Heat input	-	kW	6,6	3,3	-
Heat output	P_{nom} / P_{part}	kW	6,2	3,1	- / ****
Water heat output	P_{Wnom} / P_{Wpart}	kW	-	-	-
Space heat output	P_{SHnom} / P_{SHpart}	kW	6,2	3,1	-
Efficiency	η_{nom} / η_{part}	%	93	96	-

* 12 ± 2 Pa or specified value

**) $p_{part} = \frac{P_{part}}{P_{nom}} * p_{nom}$ minimum 6 Pa or according to instructions

***) Average of 7 samples, based on separate calculation (including 1 sample filter deposit)

****) P_{part} < 0,4 × P_{nom} + 2kW for appliances ≥ 5 kW (at P_{nom})
P_{part} < 0,8 × P_{nom} for appliances < 5 kW (at P_{nom})

Type designation	SSI8+
Models name	NEXTGEN9, NEXTELITE9, NEXTWOODY9, IULIANEXT9

Definition	**Parameter**	**Unit**	**Nominal**	**Partial**	**Requirement**
Fuel consumption	M_h	kg/h	1,8	0,8	-
Minimum refuelling intervals	-	min	180	360	2 x 180 / 360
Flue gas mass flow	$\Phi_{f,g}$	g/s	3,9	2,3	-
Flue gas temperature	T_{fg}	°C	174	110	-
Flue gas outlet temperature	T_{snom}	°C	209	131	-
Flue draught	p_{nom} / p_{part}	Pa	8	7	≥ 12 * / ≥ 6 **
CO_2 concentration	CO_2	Vol.-%	14,7	11,0	-
O_2 concentration	O_2	Vol.-%	6,2	9,9	-
CO concentration	-	ppm	174	181	-
CO emission (13% O_2)	CO_{nom} (13% O_2) / CO_{part} (13% O_2)	mg/m³	118	163	≤ 300 / -
CO emission	-	mg/MJ	70	98	-
NO_x concentration	-	ppm	96	73	-
NO_x emission (13% O_2)	NO_{xnom} (13% O_2) / NO_{xpart} (13% O_2)	mg/m³	90	92	≤ 200 / -
NO_x emission	-	mg/MJ	64	65	-
OGC concentration	-	ppm	1	2	-
OGC emission (13% O_2)	OGC_{nom} (13% O_2) / OGC_{part} (13% O_2)	mg/m³	1	3	≤ 60 / -
OGC emission	-	mg/MJ	1	1	-
PM concentration ***	-	mg/m³	4	5	-
PM emission (13% O_2)	PM_{nom} (13% O_2) / PM_{part} (13% O_2)	mg/m³	2	4	≤ 20 / -
PM emission	-	mg/MJ	1	2	-
Heat input	-	kW	8,7	3,8	-
Heat output	P_{nom} / P_{part}	kW	8,0	3,5	- / ****
Water heat output	P_{Wnom} / P_{Wpart}	kW	-	-	-
Space heat output	P_{SHnom} / P_{SHpart}	kW	8,0	3,5	-
Efficiency	η_{nom} / η_{part}	%	92	94	-

* 12 ± 2 Pa or specified value

**) $p_{part} = \frac{P_{part}}{P_{nom}} * p_{nom}$ minimum 6 Pa or according to instructions

***) Average of 7 samples, based on separate calculation (including 1 sample filter deposit)

****) P_{part} < 0,4 × P_{nom} + 2kW for appliances ≥ 5 kW (at P_{nom})
P_{part} < 0,8 × P_{nom} for appliances < 5 kW (at P_{nom})

3.3 Leakage tests

3.3.1 Test results at 10 Pa static overpressure

Specified type of appliances according to DIN EN 16510-2-6:2023-02, Table 9: CC.

Test carried out with the following additional external pipes / connections to the chimney:
- combustion air supply inlet pipe: 1 element of flexible pipe for combustion air (total length: 0,2 m);
- exhaust flue gas pipe: -

Leak tightness test on receipt of the appliances

Test pressure (Pa)	Leakage (m^3/h)			Requirement complies
	Measured	Interpolated at 10 Pa	Requirement	
5	0,3	0,5	≤ 3,0	P
11	0,6			
14	0,7			

Type	Heat output	CO x leakage (ppm m^3/h)		Requirement complies
		Calculated	Requirement	
SSI6+	Nominal	47	≤ 2400	P
	Partial	100		

Type	Heat output	CO x leakage (ppm m^3/h)		Requirement complies
		Calculated	Requirement	
SSI8+	Nominal	50	≤ 2400	P
	Partial	70		

Leak tightness test after mechanical load

Mechanical load exposure	
Charging door	500 open-close cycles
Fuel hopper door	1000 open-close cycles
Ashpit door	Not applicable

Test pressure (Pa)	Leakage (m^3/h)			Requirement complies
	Measured	Interpolated at 10 Pa	Requirement	
6	0,4	0,5	≤ 3,0	P
11	0,5			
14	0,7			

Type	Heat output	CO x leakage (ppm m^3/h)		Requirement complies
		Calculated	Requirement	
SSI6+	Nominal	43	≤ 2400	P
	Partial	91		

Type	Heat output	CO x leakage (ppm m^3/h)		Requirement complies
		Calculated	Requirement	
SSI8+	Nominal	46	≤ 2400	P
	Partial	64		

Leak tightness test after mechanical and thermal load

Test pressure (Pa)	Leakage (m^3/h)			Requirement complies
	Measured	Interpolated at 10 Pa	Requirement	
5	0,3	0,5	≤ 3,0	P
12	0,6			
14	0,7			

Type	Heat output	CO x leakage (ppm m^3/h)		Requirement complies
		Calculated	Requirement	
SSI6+	Nominal	45	≤ 2400	P
	Partial	94		

Type	Heat output	CO x leakage (ppm m^3/h)		Requirement complies
		Calculated	Requirement	
SSI8+	Nominal	47	≤ 2400	P
	Partial	66		

Correction factor for production control of roomsealed appliances

k-factor at 10 Pa static overpressure	1

3.3.2 Test results at 50 Pa static overpressure

Specified type of appliances according to DIN EN 16510-2-6:2023-02, Table 9: CC50.

Test carried out with the following additional external pipes / connections to the chimney:
- combustion air supply inlet pipe: 1 element of flexible pipe for combustion air (total length: 0,2 m);
- exhaust flue gas pipe: -

Leak tightness test on receipt of the appliances

Test pressure (Pa)	Leakage (m^3/h)			Requirement complies
	Measured	Interpolated at 50 Pa	Requirement	
27	1,2	2,1	≤ 3,0	P
48	2,0			
60	2,4			

Type	Heat output	CO x leakage (ppm m^3/h)		Requirement complies
		Calculated	Requirement	
SSI6+	Nominal	183	≤ 2400	P
	Partial	386		

Type	Heat output	CO x leakage (ppm m^3/h)		Requirement complies
		Calculated	Requirement	
SSI8+	Nominal	195	≤ 2400	P
	Partial	271		

Leak tightness test after mechanical load

Mechanical load exposure	
Charging door	500 open-close cycles
Fuel hopper door	1000 open-close cycles
Ashpit door	Not applicable

Test pressure (Pa)	Leakage (m^3/h)			Requirement complies
	Measured	Interpolated at 50 Pa	Requirement	
31	1,4	2,1	≤ 3,0	P
45	2,0			
60	2,3			

Type SSI6+	Heat output	CO x leakage (ppm m^3/h)		Requirement complies
		Calculated	Requirement	
	Nominal	188	≤ 2400	P
	Partial	396		

Type SSI8+	Heat output	CO x leakage (ppm m^3/h)		Requirement complies
		Calculated	Requirement	
	Nominal	201	≤ 2400	P
	Partial	278		

Leak tightness test after mechanical and thermal load

Test pressure (Pa)	Leakage (m^3/h)			Requirement complies
	Measured	Interpolated at 50 Pa	Requirement	
30	1,4	2,1	≤ 3,0	P
49	2,0			
56	2,3			

Type SSI6+	Heat output	CO x leakage (ppm m^3/h)		Requirement complies
		Calculated	Requirement	
	Nominal	183	≤ 2400	P
	Partial	385		

Type SSI8+	Heat output	CO x leakage (ppm m^3/h)		Requirement complies
		Calculated	Requirement	
	Nominal	195	≤ 2400	P
	Partial	270		

Correction factor for production control of roomsealed appliances

k-factor at 50 Pa static overpressure	1

4 Statement of the test results

The appliances type:

SSI6+, SSI8+

and models:

NEXTGEN6, NEXTELITE6, NEXTWOODY6, IULIANEXT6,
NEXTGEN9, NEXTELITE9, NEXTWOODY9, IULIANEXT9

with trademark:

AMG

of the company:

AMG S.p.A.

conform for the operation with wood pellets with the requirements in accordance with DIN EN 16510-1:2023-02 and DIN EN 16510-2-6:2023-02, except for clauses 5.8, 5.8.4 and 8, which are not part of this assessment. The appliance conforms with the requirements of DIN EN 16510-2-6:2023-02 except for clause 4.9, which is not part of this assessment. Performance assessments regarding environmental sustainability is not the subject of this report. A possible NPD declaration by the manufacturer is also not included in this report.

Report data are based on historical data of the initial Type Testing report n. K 3508 2024 T1 dated 13/11/2024 and issued in accordance with DIN EN 16510-1:2023-02 and DIN EN 16510-2-6:2023-02.

5 Test documents

See test report K 3508 2024 T1.

TÜV Rheinland Energy & Environment GmbH declines any responsibility derived from missing or wrong information in the documents provided by the applicant.

Appendix	Subject	Reference
A 01	Type labels	-
A 02.1	Extension Declaration type SSI6+	27/11/2024
A 02.2	Extension Declaration type SSI8+	27/11/2024