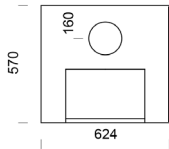


**GRATIA**



**GRATIA PL**

PL = Top connection

**PRODUCT INFORMATION:**

<b>Thermal energy:</b>	35,8 kWh
<b>Energy efficiency:</b>	80 %
<b>CO%:</b>	0,09 %
<b>Heat storage capacity:</b>	
100 %	after 5,9 hours
50 %	after 19,3 hours
25 %	after 30,6 hours

**PRODUCT NUMBERS:**

Product	Product number	Weight kg	Height mm
GRATIA	1TR	1060	1536
GRATIA PL	1TRP	1055	1536

**NEEDED FOR ASSEMBLY:**

\* Mortar 1 x 25 kg (not included in NunnaUuni delivery).

## PRODUCT INFORMATION

	BAKING OVEN / BAKING SPACE		FIREWOOD			FLUE CALCULATION VALUES <sup>(1)</sup>				MAX. FLUE TEMPERATURE IN SECURITY TEST
	Width [mm]	Depth [mm]	Length [cm]	Max amount of wood [kg]	Length baking oven [cm]	Flue gas temperature [°C]	Min. flue draught [Pa]	Mass flow [g/s]	Flue connection Ø (min.)	Temperature °C
Gratia / Gratia PL	-	-	33	10,5	-	271	-11,9	19	150	389

## FLUE CONNECTION TABLE

	RECOMMENDED FLUE [mm]				FLUE CONNECTION MEASUREMENTS [mm]			INCOMING AIR		
	approx. 150x150	approx. 150x200	approx. 150x300	round Ø	[A]	[B]	[C]	Incoming air pipe location L [mm]	Replacement air unit	Burning air approx. m³/h
Gratia	x	x	-	160	150-180	250	1390	410	920006	35 - 50
Gratia PL	-	-	-	150	-	-	-	410	920006	35 - 50

## SAFETY DISTANCES TO COMBUSTIBLE MATERIALS

	According to EN 15250			
	Behind	On the sides	Top	Front
Gratia / Gratia PL	50	150	200	1000

<sup>1)</sup> The flue calculation values apply for countries that require flue calculation in accordance with the DIN 18160 and DIN EN 13384 standards. It is recommendable to contact chimney sweeper beforehand.

### NOTES!

The recommended minimum flue height is 5 m. In countries where the flue calculation is required, should the calculation be done according to the instructions and regulations of the flue calculation.

A damper designed for adjusting the draft is always recommended for a flue connection or flue. In the picture you can see the Finnish version.

**Country- and region-specific regulations must be adhered to when installing the fireplace.**

