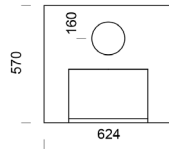


GRATIA



GRATIA PL

PL = Top connection

PRODUCT INFORMATION:

| | |
|-------------------------------|------------------|
| Thermal energy: | 35,8 kWh |
| Energy efficiency: | 80 % |
| CO%: | 0,09 % |
| Heat storage capacity: | |
| 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 (1) | | | | 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 | 70-100 |
| Gratia PL | - | - | - | 150 | - | - | - | 410 | 920006 | 70-100 |

SAFETY DISTANCES TO COMBUSTIBLE MATERIALS

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

1) 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.

Take a notice of the countryspecific approvals in section 3

NOTES!

The flue heat category required by the fireplace is T400.

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

