



jaga



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Energy
SAVERS
LOW-H₂O



MINI CANAL
Warm power
with minimum recess depth

www.
THE RADIATOR FACTORY
.COM





WARM POWER, MINIMUM RECESS DEPTH

Minimum recess depth, maximum heat. Mini Canal starts at 3.5" (9 cm). That is why it is the perfect solution for multiple storeys or floating floors. Mini Canal is delivered ready-to-mount. Hidden under the grille is an ultra fast Low-H₂O element. An ideal complement to floor heating systems, but powerful enough to serve as a primary heat source. Mini Canal is available in lengths from 43" (110 cm) to 193" (490 cm).

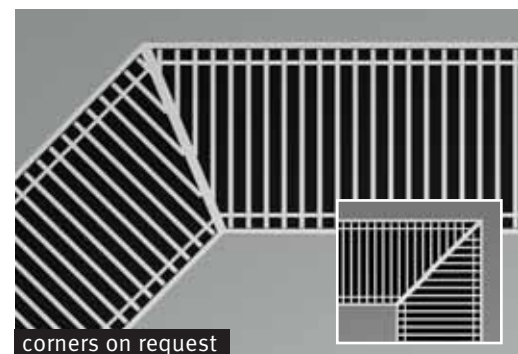
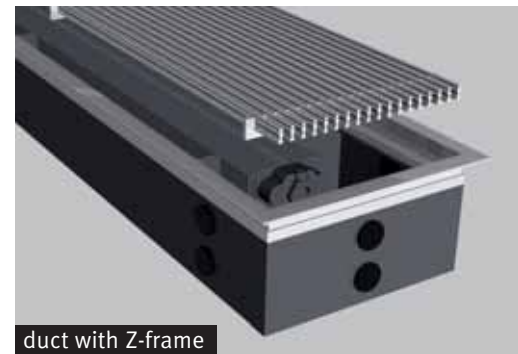
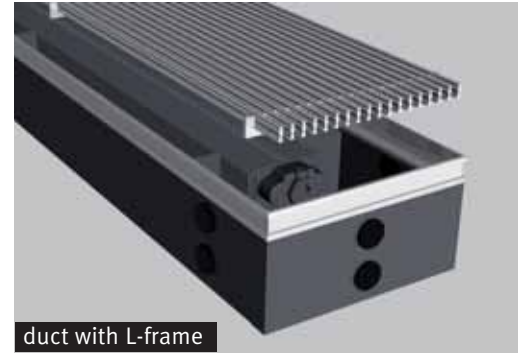
DIMENSIONS

OUTPUT (BTU/foot)

| H | Type | d | h | D | Designo roll-up wooden grille | Designo rigid aluminum grille | Accordion roll-up aluminum grille | Pebbles rigid aluminum grille |
|---|------|-----------|-----------|--------------|-------------------------------|-------------------------------|-----------------------------------|-------------------------------|
| 3 ³⁵ / ₆₄ (9) | 04 | 2 (5) | 2 (5) | 5.5 (14) | 198 | 207 | 160 | --- |
| | 09 | 4 (10) | 2 (5) | 7 (18) | 235 | 245 | 189 | --- |
| | 09 | 4 (10) | 2 (5) | 10 (26) | 309 | 322 | 249 | 282 |
| | 14 | 6 (15) | 2 (5) | 13.5 (34) | 400 | 417 | 323 | 366 |
| | 19 | 8 (20) | 2 (5) | 16.5 (42) | 578 | 603 | 466 | 528 |
| 4 ²¹ / ₆₄ (11) | 04 | 2 (5) | 2 (5) | 5.5 (14) | 227 | 237 | 183 | --- |
| | 09 | 4 (10) | 2 (5) | 7 (18) | 269 | 281 | 217 | --- |
| | 09 | 4 (10) | 2 (5) | 10 (26) | 364 | 379 | 293 | 332 |
| | 14 | 6 (15) | 2 (5) | 13.5 (34) | 472 | 493 | 381 | 432 |
| | 19 | 8 (20) | 2 (5) | 16.5 (42) | 664 | 692 | 536 | 607 |
| 5 ³³ / ₆₄ (14) | 05 | 2 (5) | 4 (10) | 5.5 (14) | 258 | 269 | 208 | --- |
| | 10 | 4 (10) | 4 (10) | 10 (26) | 448 | 468 | 362 | 410 |
| | 15 | 6 (15) | 4 (10) | 13.5 (34) | 611 | 637 | 493 | 558 |
| | 20 | 8 (20) | 4 (10) | 16.5 (42) | 824 | 859 | 665 | 753 |
| 7 ³¹ / ₆₄ (19) | 10 | 4 (10) | 4 (10) | 10 (26) | 509 | 531 | 411 | 466 |
| | 15 | 6 (15) | 4 (10) | 13.5 (34) | 689 | 719 | 556 | 630 |
| | 20 | 8 (20) | 4 (10) | 16.5 (42) | 947 | 988 | 763 | 865 |

Note: dimensions in "() " are shown in centimeters.

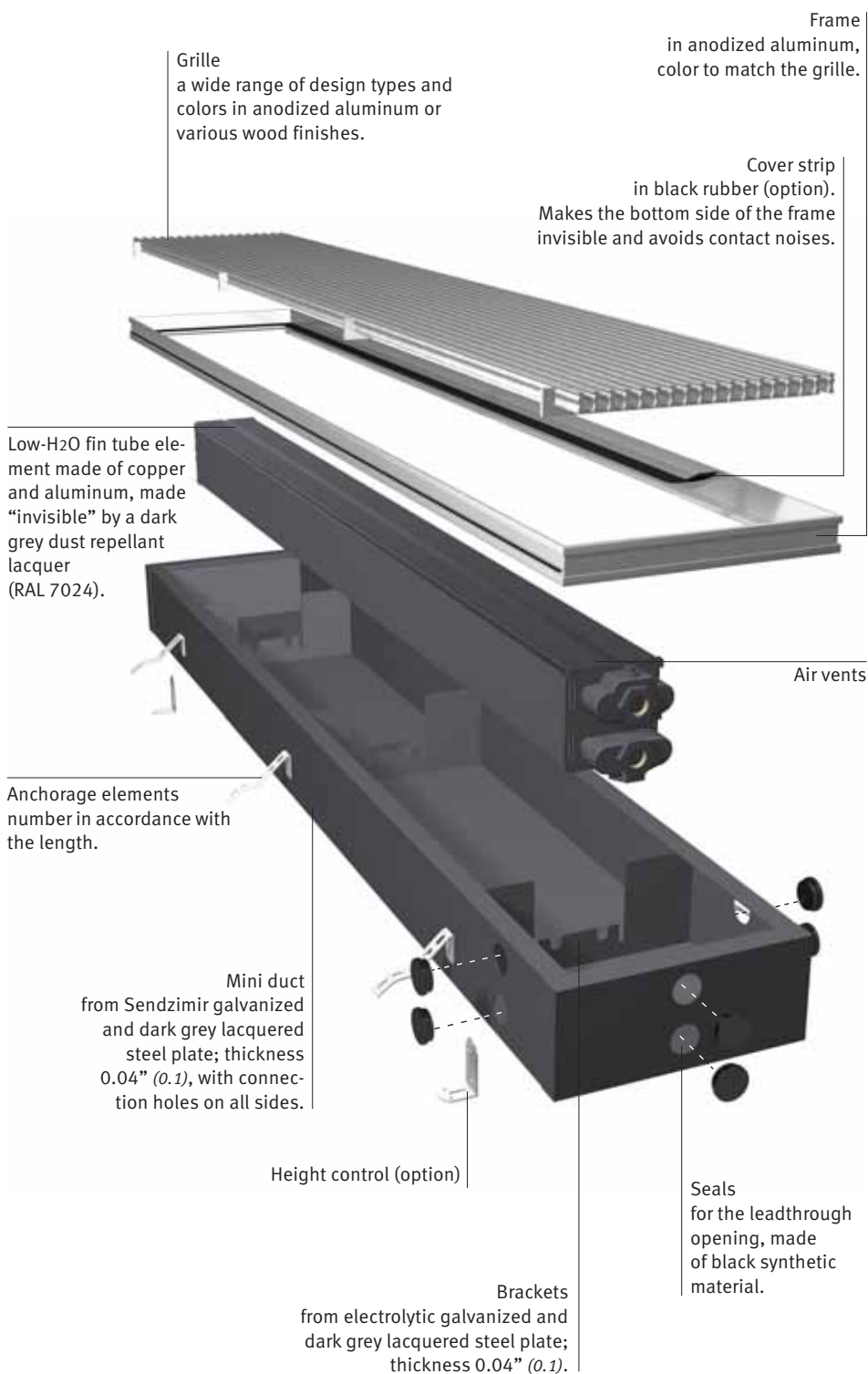
Average output in BTU/h foot with 65°F (18.3°C) entering air and 1 GPM flow rate.
Mean water temperature of 160°F (71.1°C).



Example output calculation
Output of Mini Canal H 14 - D 34 - L 290 with a Designo rigid aluminum grille

$$637 \text{ BTU/h} \times \frac{(114.2 - 11.8)}{12} = 5436 \text{ BTU/h}$$

MINI CANAL COMPOSITION



CONNECTIONS

There are several ways to connect the fin tube element, f.e.

- with the central control collector. Temperature regulators via room thermostat (no valve in the duct).
- with thermostatic valve in the duct: in this case it is best to use a Jaga Connection set with remote controlled thermostatic head. Control is simple and the thermostat will provide better measurement of the ambient temperature.

THE MOST POWERFUL HEAT EMITTERS



Significant energy savings

The most efficient and modern fin tube element, that complies with actual AND future building standards and technologies.

For all low temperature hydronic systems

Perfectly suited for condensing boilers, heat pumps and solar systems.

The perfect partner for radiant heating for improved temperature control and energy efficiency.

Brass collectors with 1/2" connections

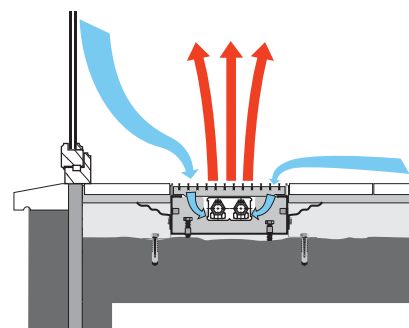
With dirt-repellent and dust-proof lacquer in graphite grey

Up to 16 parallel copper tubes for the best heat emission

55 Corrugated aluminum fins per foot for super heat-output at low water temperatures



OPERATING PRINCIPLE



OVERVIEW GRILLES

DESIGNO ROLL-UP WOODEN GRILLES

Merbau natural **DMN**
Designo Merbau Natural



Oak natural **DON**
Designo Oak Natural



Beech natural **DBN**
Designo Beech Natural



Roll-up natural or varnished grille with natural color anodized aluminum distance pieces. Frame in natural colored anodized aluminum. Free air flow 52%.

Merbau varnished **DMV**
Designo Merbau Varnished



Oak varnished **DOV**
Designo Oak Varnished



Beech varnished **DBV**
Designo Beech Varnished



DESIGNO RIGID ALUMINUM GRILLES

Natural colored **DNA**
Designo NATural



Black **DBL**
Designo BLACK



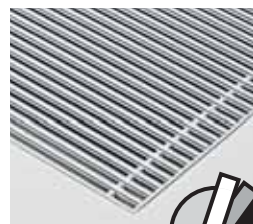
Dark brown **DDB**
Designo Dark Brown



Brass colored **DBR**
Designo BRass



Lacquered **COLOR/DNC**
Designo stiff NATural Color



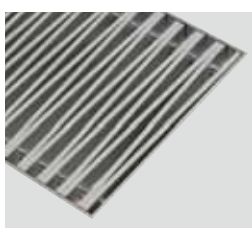
Rigid anodized aluminum grille. Frame in the same color. Free air flow 62.5%.



32 colors

ACCORDION ROLL-UP ALUMINUM GRILLE

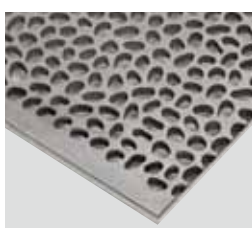
Natural colored **ANA**
Accordion NATural



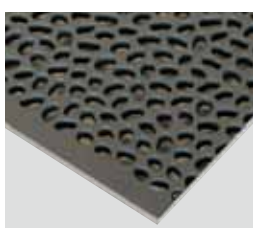
Rollable anodized aluminum grille exists of slightly curved slats, with transparent spacers. The frame is made of the same material as the grille. Free air flow 55%.

PEBBLES RIGID ALUMINUM GRILLE

Natural **PNC/026**
Pebbles NATural Color



Sandblast grey **PNC/028**
Pebbles NATural Color



Rigid grille made of cast aluminum. The pebbles is available as "grille tiles" of 19.5" (50 cm) long and a thickness of 19.7" (1 cm). To customise the length, the end tile will be made on size with a minimal length of 8" (20 cm). Free air flow 66%.