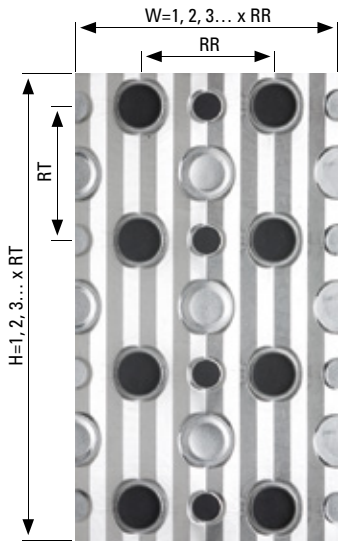
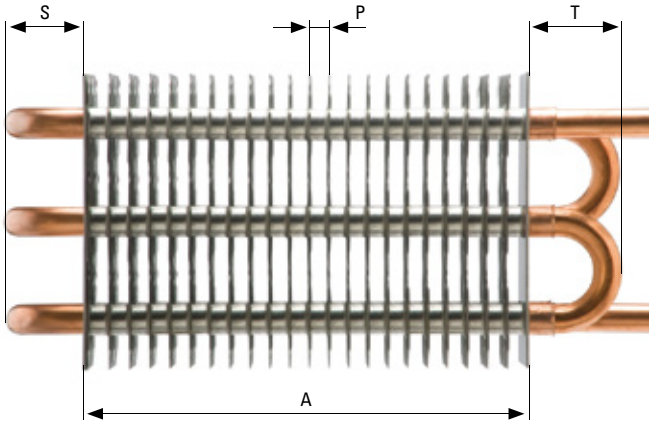
POLAR KÄLTETECHNIK

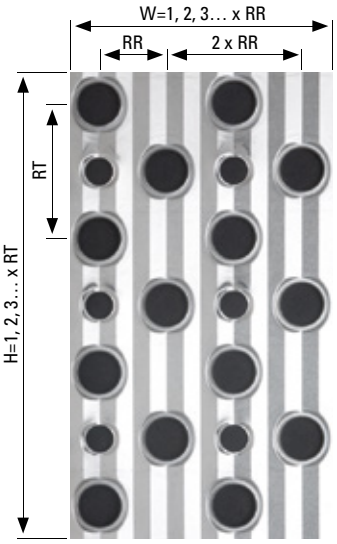
# Technical Data

## System 5050-12 | 5025-12 | 5050-15 | 5025-15

### Lamella geometry of heat exchangers




| | System 5050-12 | System 5025-12 |
|---|---|---|
| Pipe spacing RT x RR | 50 x 50 mm aligned | 50 x 25 mm offset |
| Lamella spacing | 2 - 10 mm[1] | 2 - 5 mm |
| Pipe material | Copper (CU-DHP), copper inside ribbed, tinned copper | Copper (CU-DHP), copper inside ribbed, tinned copper |
| Pipe dimensions | 12 x 0.42 \| 12 x 0.8 mm | 12 x 0.42 \| 12 x 0.8 mm |
| Lamella material | Aluminium, alu-epoxy, AlMg3, copper | Aluminium, alu-epoxy, AlMg3, copper |
| Lamella thickness | 0.18 - 0.25 mm | 0.18 - 0.25 mm |
| End plates | Aluminium, galvanized steel, copper, stainless steel | Aluminium, galvanized steel, copper, stainless steel |
| End plates thickness | 1.0 \| 1.5 \| 2.0 \| 3.0 mm | 1.0 \| 1.5 \| 2.0 \| 3.0 mm |
| Dimensions H x W (mm) | 50 - 2000 x 50 - 2000[1] | 50 - 2000 x 25 - 2000[1] |
| Dimensions S \| T \| A (mm) | 40 \| 50 \| 200 - 4500[1] | 40 \| 50 \| 200 - 4500[1] |

| | System 5050-15 | System 5025-15 |
|---|---|---|
| Pipe spacing RT x RR | 50 x 50 mm aligned | 50 x 25 mm offset |
| Lamella spacing | 2 - 10 mm[1] | 2 - 5 mm |
| Pipe material | Copper (CU-DHP), copper inside ribbed, tinned copper, stainless steel | Copper (CU-DHP), copper inside ribbed, tinned copper |
| Pipe dimensions | 15 x 0.5 \| 15 x 1.0 mm | 15 x 0.5 \| 15 x 1.0 mm |
| Lamella material | Aluminium, alu-epoxy, AlMg3, copper | Aluminium, alu-epoxy, AlMg3, copper |
| Lamella thickness | 0.18 - 0.25 mm | 0.18 - 0.25 mm |
| End plates | Aluminium, galvanized steel, copper, stainless steel | Aluminium, galvanized steel, copper, stainless steel |
| End plates thickness | 1.0 \| 1.5 \| 2.0 \| 3.0 mm | 1.0 \| 1.5 \| 2.0 \| 3.0 mm |
| Dimensions H x W (mm) | 50 - 2000 x 50 - 2000[1] | 50 - 2000 x 25 - 2000[1] |
| Dimensions S \| T \| A (mm) | 40 \| 50 \| 200 - 4500[1] | 40 \| 50 \| 200 - 4500[1] |

[1] Additional dimensions possible | Subject to technical modifications

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