Rittal – Cool Efficiency

Accepting responsibility –
Shaping the future
Super-efficient, eco-friendly, cost-cutting – that’s energy efficiency from Rittal. The efficient use of available resources is one of the main aims when developing new cooling systems, particularly in view of the escalating global climate and environmental problems, coupled with ever-rising energy prices. Saving energy, cutting climate control costs, cooling energy-efficiently and protecting the environment – Cool Efficiency, the energy-saving cooling units from Rittal, already boast all these achievements.

Cool Efficiency cooling units from Rittal are up to 45 % more economical than conventional cooling units of the same cooling output. At an assumed number of 200 cooling units, this translates into savings of 20,794 euros and 36 t CO₂.

<table>
<thead>
<tr>
<th>Operating at full load</th>
<th>70 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating at partial load</td>
<td>30 %</td>
</tr>
<tr>
<td>Operating time per day</td>
<td>16 hours</td>
</tr>
<tr>
<td>Operating time per annum</td>
<td>240 days</td>
</tr>
<tr>
<td>Electricity price per kWh</td>
<td>0.11 €¹</td>
</tr>
<tr>
<td>Number of units</td>
<td>200</td>
</tr>
</tbody>
</table>

¹ Source: VEA, VDEW, as per 1/2007

These CO₂ savings are equivalent to planting 935 trees, or put another way, the emissions produced from driving 202,670 km.

Ave. CO₂ emission per kWh in Germany 0.57.
Ave. figure for Germany¹

¹ Source: Energy mix in Germany
Wall-mounted cooling units

Cool Efficiency, useful cooling output 1000 W

Supply includes:
Nano-coated condenser and integral condensate evaporation. Fully wired ready for connection, including drilling template and assembly parts.

NEW! Up to 45% less energy consumption

| Model No. SK with Basic controller, RAL 7035 | 3304.700 |
| Model No. SK with Comfort controller, RAL 7035 | 3304.800 |
| Rated operating voltage V, Hz | 230, 1~, 50 |
| Dimensions mm | W 400 H 950 D 260 |
| Useful cooling output $Q_k$ to DIN 3168 | L 35 L 35 |
| 1000 W |

Rated current max. 3.0 A
Start-up current 12.0 A
Pre-fuse T 10.0 A
Power consumption $P_u$ to DIN 3168 L 35 L 35 520 W L 35 L 45 580 W
Refrigeration factor $\varepsilon = Q_u/P_u$ L 35 L 35 1.9
Refrigerant R134a, 325 g
Permissible operating pressure $p_c$ max. 20 bar
Temperature and setting range $+20^\circ C$ to $+45^\circ C$
Protection category to EN 60 529 External circuit IP 34 Internal circuit IP 54
Duty cycle 100 %
Type of connection Plug-in terminal strip
Weight 40 kg
Air throughput of fans External circuit 600 m$^3$/h Internal circuit 450 m$^3$/h
Temperature control Basic or Comfort controller (factory setting $+35^\circ C$)

Accessories Packs of Cat 32, page
Filter mats 3 3286.400 723
Metal filters 1 3286.410 724
Door-operated switch 1 4127.000 1030
SK bus system for Comfort controller 1 3124.100 717
RiDiag II including cables for Comfort controller 1 3159.100 1154
Interface card for Comfort controller 1 3124.200 716
Condensate hose 1 3301.612 720

Delivery times on request.
Special voltages and other output categories available on request. Technical modifications reserved.
All in all – solutions from Rittal

Rittal has one of the largest ranges of enclosures available for immediate delivery. However, Rittal also supplies integrated solutions – up to Level 4. This comprises mechanical installation, power supply, electronic components, climate control and central monitoring. For all of your requirements. Fully assembled and functional.

Wherever in the world you develop and implement solutions for yourself and your customers, we are close at hand. The global alliance between production, distribution and service guarantees closeness to the customer. Worldwide!

Queries and information

We will be happy to send you further information or advise you in person.

Please send me the following brochure(s):

- Catalogue 32
- Innovations 2008
- System climate control