

# Rittal – The System.

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## Digital Brochure

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

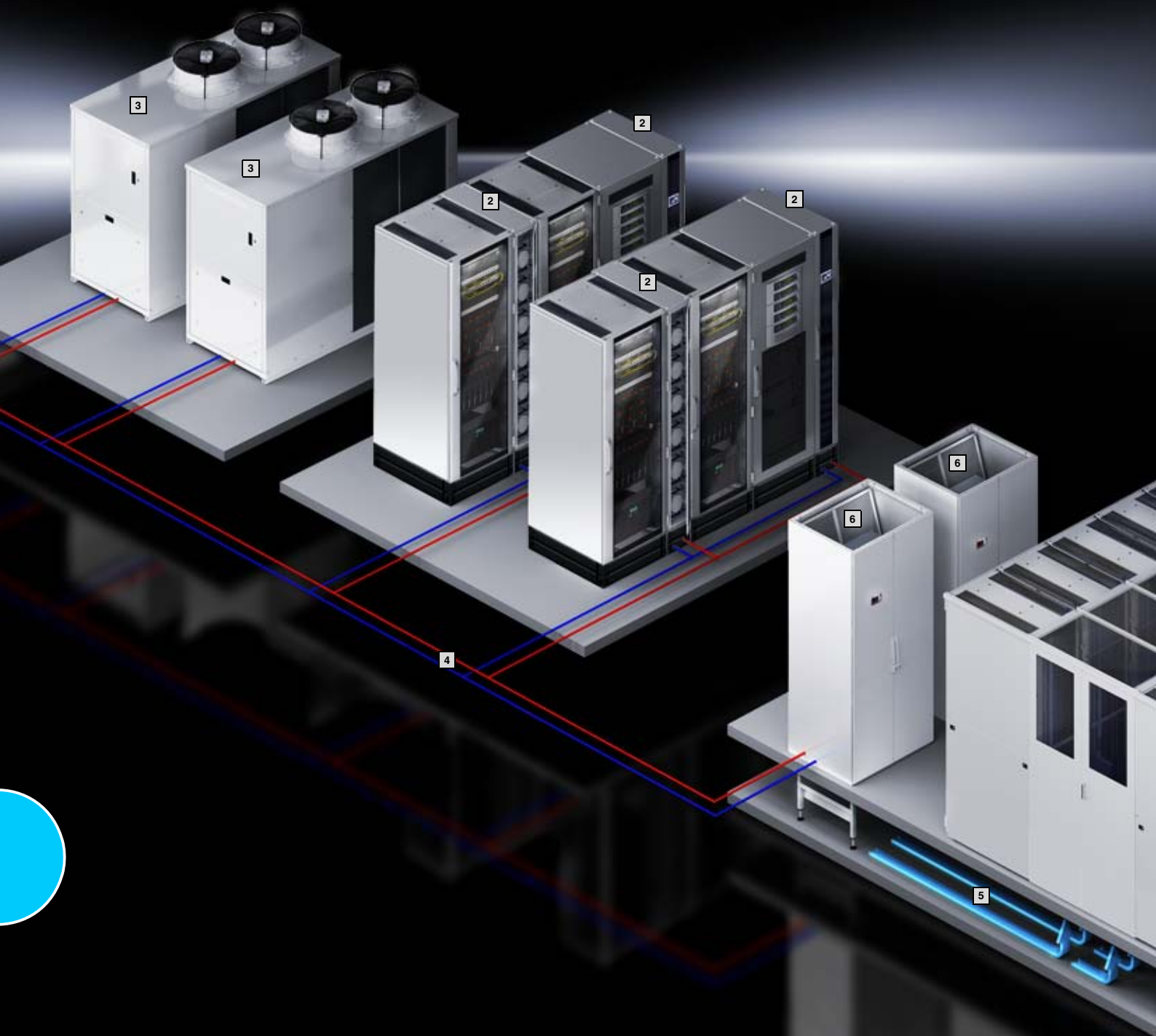
FRIEDHELM LOH GROUP

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# IT Cooling

## Liquid Cooling Package

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## Small Cooling Units

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## Your Benefits

- State-of-the-art climate control technology from cooling single racks to complete data centers
- Individual concepts for rack, suite and room climate control
- Greater security and improved energy and cost efficiency
- Optimization with aisle containment and cross-system control concepts
- Energy-efficient cooling with IT chillers
- Operating costs are minimized with free cooling
- Ecofriendly, thanks to resource and CO<sub>2</sub> savings
- Planning, assembly, commissioning and servicing – all from a single source!



## Application examples

- 1 Aisle containment, see page 356
- 2 Liquid Cooling Package LCP, see page 348
- 3 IT chiller with integral free cooling
- 4 Pipework
- 5 Raised floor for cold air supply
- 6 CRAC system

## Fan Mounting Plate

### for TS IT

For active ventilation. For use in the cut-out integrated into the roof plate. The unit may optionally be extended with additional fans.

#### Technical specifications for one fan:

- Fan expansion kit 7980.000, see page 358

#### Technical specifications of thermostat:

- Rated operating voltage: 250 V
- Temperature range: +41°F...+131°F

#### Color:

- RAL 9005

#### Supply includes:

- 1 fan unit
- 2 fans
- 1 thermostat
- 1 connection cable, open-end
- Assembly components

#### Note:

- Connection via distributor box or country-specific connector



#### Accessories:

- Fan expansion kit, see page 358

W x D inches (mm)	Number of prewired fans	Number of fans supported	Model No.
32 x 24 (800 x 600), 24 x 39 (600 x 1000), 24 x 47 (600 x 1200)	2	3	5502.015
32 x 32 (800 x 800), 32 x 39 (800 x 1000), 32 x 47 (800 x 1200)	2	6	5502.025

## Fan Mounting Plate

For upgrading existing DK-TS applications.

The fan mounting plate can be retro-fitted into all existing DK-TS enclosures from above. The plate is mounted at the front of the enclosure, while the rear section is left free for cable entry. A rubber sealing profile is supplied loose for optional sealing at the rear.

The following combinations are also possible:

- Solid roof plate raised with 20 or 50 mm roof spacers
- Roof plate for cable entry raised with 20 or 50 mm roof spacers
- Vented roof plate for cable entry

Can only be used in conjunction with the large pivoting frame from an enclosure depth of 800 mm, and in conjunction with a roof plate for cable entry from 1000 mm.

#### Technical specifications for one fan:

- Rated operating voltage: 230 V
- Rated power: 15/14 W at 50/60 Hz
- Air throughput (unimpeded air flow): 160/180 m³/h, 50/60 Hz
- Operating temperature range: +14°F...+131°F

#### Technical specifications of thermostat:

- Rated operating voltage: 250 V
- Operating temperature range: +41°F...+131°F

#### Color:

- RAL 7035

#### Supply includes:

- 2 fans
- 2/4 cutouts to extend to 4/6 fans
- Thermostat
- Foam cable clamp strip
- Thermostat and fan fully wired to connection cable, 3500 mm

#### Note:

- Not suitable for crane transportation
- Not suitable for combination with 19" (482.6 mm) mounting frame

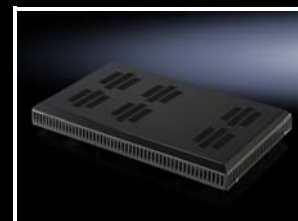
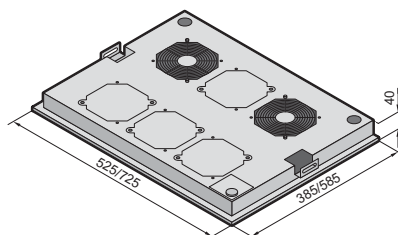
For enclosures		Number of fans	Max. number of fans	Model No.
Width inches (mm)	Depth inches (mm)			
24 (600)	32 (800) 39 (1000) 47 (1200)	2 pc(s).	6 pc(s).	7968.035

Air throughput can be increased with fan expansion kit 7980.000.



#### Accessories:

- Fan expansion kit, see page 358
- Foam cable clamp strip 2573.000 for sealing at the sides and targeted air routing when bayed, see page 563





## Fan Expansion Kit

For retro-fitting various fan units or to supplement the fan mounting plate.

### Technical specifications 7980.000:

- Rated operating voltage: 230 V
- Rated power: 15/14 W at 50/60 Hz
- Air throughput (unimpeded air flow): 160/180 m<sup>3</sup>/h, 50/60 Hz
- Sound pressure level (unimpeded air flow): 37 dB (A)
- Operating temperature range: +14°F...+131°F

### Technical specifications 7980.100, 7980.110:

- Rated operating voltage: 230 V, 115 V
- Rated power: 14/12 W at 50/60 Hz
- Air throughput (unimpeded air flow): 108/120 m<sup>3</sup>/h, 50/60 Hz
- Sound pressure level (unimpeded air flow): 34 dB (A)
- Operating temperature range: -4°F...+158°F

Dimensions H x W x D inches (mm)	Packs of	Model No.
5 x 5 x 2 (119 x 119 x 38)	1 set(s)	<b>7980.000</b>
5 x 5 x 1 (119 x 119 x 25)	1 set(s)	<b>7980.100</b>
5 x 5 x 1 (119 x 119 x 25)	1 set(s)	<b>7980.110</b>

### Supply includes:

- 1 fan expansion kit
- Assembly components
- 1 connection cable, 610 mm