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## SK 3209.510

## Air/water heat exchangers

State: 04/04/2026 (Source: [rittal.com/sg-en](http://rittal.com/sg-en))

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# SK 3209.510 - Air/water heat exchangers roof-mounted

For mounting on the roof surface. Cooling output 1.87 kW – 4 kW. Protection category IP 55 as standard. Particularly suitable for use in harsh environments. Flexible water connection options.



## Features

|                         |                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model No.               | SK 3209.510                                                                                                                                                                        |
| Design                  | roof-mounted<br>Water-carrying parts, copper/brass (Cu/CuZn)                                                                                                                       |
| Product description     | For use in harsh environments and temperature ranges up to +70 °C. The air/water heat exchanger is assembled on the roof of the enclosure using flexible water connection options. |
| Colour                  | RAL 7035                                                                                                                                                                           |
| Supply includes         | Fully wired ready for connection (plug-in terminal strip)<br>Drilling template<br>Sealing mat<br>Assembly parts                                                                    |
| Total cooling output    | L 35 W 10 at 400 l/h: 2.5 kW                                                                                                                                                       |
| Rated operating voltage | 115 V, 1~, 50 Hz/60 Hz                                                                                                                                                             |
| Power consumption Pel   | At 50 Hz: 98 W<br>At 60 Hz: 115 W                                                                                                                                                  |
| Rated current max.      | At 50 Hz: 0.4 A<br>At 60 Hz: 0.5 A                                                                                                                                                 |

# Features

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|                                          |                                                  |
|------------------------------------------|--------------------------------------------------|
| Permissible operating pressure (p. max.) | 1 - 10 bar                                       |
| Type of electrical connection            | Plug-in terminal strip                           |
| Duty cycle                               | 100 %                                            |
| Cooling medium                           | Water (see Internet for specifications)          |
| Water inlet temperature                  | 1 °C...30 °C                                     |
| Water connections                        | ½" connector sleeve<br>G ¾" external thread      |
| Temperature control                      | e-Comfort controller (factory setting +35 °C)    |
| Operating temperature range              | 1 °C...70 °C                                     |
| Dimensions                               | Width: 597 mm<br>Height: 417 mm<br>Depth: 475 mm |
| Protection category                      | IP 65 available on request                       |
| Pre-fuse                                 | Miniature circuit-breaker/fuse: 4 A              |
| Setting range                            | 20 °C...55 °C                                    |
| Protection category to IEC 60 529        | IP 55                                            |
| Packs of                                 | 1 pc(s).                                         |
| Net weight                               | 34.2 kg                                          |
| Gross weight                             | 36 kg                                            |
| Customs tariff number                    | 84158300                                         |
| ETIM 9                                   | EC002515                                         |
| ETIM 8                                   | EC002515                                         |
| ECLASS 8.0                               | 27180712                                         |

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# Approvals

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# Approvals

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|--------------|-------------------------------|
| Approvals    | CSA<br>UR + C-UR (recognized) |
| Explanations | Declaration of conformity     |

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## Tender text

Roof-mounted air/water heat exchanger

For use in tough environments. Flexible water connection options.

Total cooling output L 35 W 10, 400l/h: 2.5 kW

Rated operating voltage: 115 V, 50/60 Hz

Refrigerant: Water (see specifications)

Water-carrying parts: Cu/CuZn

Dimensions [W x H x D]: 597 x 417 x 475 mm

Ambient temperature range: 1°C to 70°C

Setting range: 20°C to 55°C

Water inlet temperature range: 1°C to 30°C

Temperature control and monitoring: Comfort controller with two floating fault signal outlets and door limit switch connection (factory setting +35°C)

Type of connection: Plug-in terminal strip

Protection category to IEC 60 529: IP 55

Weight: 24 kg

Colour: RAL 7035