

Rittal – The System.

Faster – better – everywhere.

Heat Exchangers



The process of heat exchange is simple: air temperatures within an enclosure are modified by actions from the outside. Air/water heat exchange is simple, effective and efficient. With the aid of cooling water, the air inside an enclosure can be cooled to below the level of the ambient temperature. Air/air heat exchangers are for environments where ambient air temperature is at or below the desired interior temperature of the enclosure. And, as closed systems, no external dust or contaminants penetrate the enclosure. The liquid cooling system may be connected directly to an independent circuit or a facility system. Either system can be mounted on an enclosure's roof or walls using the same mounting cut-outs for cooling units and heat exchangers. Included here are popular sizes and configurations. For complete details on the entire line, go to www.rittal.us.

Air-to-Water Heat Exchanger highlights...

- Controllers can track temperature control, leak detection, fault signal contact
- Closed loop design protects against outside contaminants
- Can be mounted on enclosure wall or roof
- Corrosion resistant, as air/water heat exchangers are available with stainless steel water-carrying parts

Air-to-Air Heat Exchanger highlights...

- Two separate air circuits prevent dust and pollutants in ambient air from entering an enclosure interior
- Mounts to enclosures' exterior wall

The best in both worlds...

- Up to 30% slimmer wall-mounted units reduce space requirements
- From 300 to 5000 watts useful cooling capacity
- Filters available for a variety of installation environments
- Digital controls for thermostats
- Fast installation thanks to identical mounting cut-outs for cooling units, air/air heat exchangers and air/water heat exchangers

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Air/Air Heat Exchangers

| Part No. | Roof Mount | Wall Mount | Voltage V, Hz | Dimensions H x W x D in (mm) | Specific Thermal Capacity |
|----------|------------|------------|---------------|-------------------------------------|------------------------------|
| 3126.100 | – | ■ | 230, 50/60 | 22 x 11 x 6 (550 x 280 x 150) | 17.5 W/C |
| 3126.115 | – | ■ | 115, 50/60 | | |
| 3127.100 | – | ■ | 230, 50/60 | 37 x 16 x 8 (950 x 400 x 205) | 30 W/C |
| 3127.115 | – | ■ | 115, 50/60 | | |
| 3128.100 | – | ■ | 230, 50/60 | 37 x 16 x 8 (950 x 400 x 205) | 45 W/C |
| 3128.115 | – | ■ | 115, 50/60 | | |
| 3129.100 | – | ■ | 230, 50/60 | 37 x 16 x 9 (950 x 400 x 225) | 60 W/C |
| 3129.115 | – | ■ | 115, 50/60 | | |
| 3130.100 | – | ■ | 230, 50/60 | 62 x 16 x 8.5 (1580 x 400 x 215) | 90 W/C |
| 3130.115 | – | ■ | 115, 50/60 | | |

Air/Water Heat Exchangers

| Part No. | Roof Mount | Wall Mount | Voltage V, Hz | Dimensions H x W x D in (mm) | Cooling Capacity |
|----------|------------|------------|----------------------------|------------------------------------|------------------------------------|
| 3212.024 | | ■ | 24 (DC) | 12 x 6 x 3 (300 x 150 x 85) | 1024 (300) |
| 3212.230 | – | ■ | 230, 50/60 | 12 x 6 x 3 (300 x 150 x 85) | 1024 (300) |
| 3212.115 | – | ■ | 115, 50/60 | | |
| 3214.100 | – | ■ | 230, 50/60 | 20 x 8 x 4 (500 x 200 x 100) | 2047 - 2388 BTU (600 - 700 W) |
| 3215.100 | – | ■ | 230, 50/60 | 37 x 8 x 4 (950 x 200 x 100) | 4265 - 4436 BTU (1250 - 1300 W) |
| 3216.480 | – | ■ | 400, 3~, 50 460, 3~, 60 | 71 x 18 x 12 (1800 x 450 x 300) | 23885 BTU (7000 W) |

Hygienic Design Air/Water Heat Exchangers

| Part No. | Roof Mount | Wall Mount | Voltage V, Hz | Dimensions H x W x D in (mm) | Cooling Capacity |
|----------|------------|------------|---------------|---------------------------------|-----------------------------------|
| 3214.700 | – | ■ | 230, 50/60 | 9 x 21 x 4 (220 x 526 x 100) | 2047-2217 BTU (600-650 W) |
| 3215.700 | – | ■ | 230, 50/60 | 8 x 39 x 4 (215 x 982 x 100) | 3412- 4100 BTU (1000 - 1200 W) |

Air/Water Heat Exchangers with Basic/Comfort Controllers

| Part No. Basic Controller | Part No. Comfort Controller | Roof Mount | Wall Mount | Voltage V, Hz | Dimensions H x W x D in (mm) | Cooling Capacity |
|------------------------------|--------------------------------|------------|------------|---------------|-----------------------------------|-----------------------|
| 3209.100 | 3209.500 | ■ | – | 230, 50/60 | 16 x 24 x 19 (417 x 597 x 475) | 8538 BTU (2500 W) |
| 3210.100 | 3210.500 | ■ | – | 230, 50/60 | | 13649 BTU (4000 W) |
| – | 3210.510 | ■ | – | 115, 50/60 | | |
| 3363.100 | 3363.500 | – | ■ | 230, 50/60 | 22 x 11 x 5 (550 x 280 x 120) | 1706 BTU (500 W) |
| – | 3363.510 | – | ■ | 115, 50/60 | | |
| 3364.100 | 3364.500 | – | ■ | 230, 50/60 | 22 x 11 x 5 (550 x 280 x 120) | 3412 BTU (1000 W) |
| 3373.100 | 3373.500 | – | ■ | 230, 50/60 | 37 x 16 x 6 (950 x 400 x 145) | 6824 BTU (2000 W) |
| 3374.100 | 3374.500 | – | ■ | 230, 50/60 | | 10236 BTU (3000 W) |
| 3374.110 | – | – | ■ | 115, 50/60 | | |
| 3375.100 | 3375.500 | – | ■ | 230, 50/60 | 55 x 18 x 9 (1400 x 450 x 220) | 17060 BTU (5000 W) |
| – | 3375.510 | – | ■ | 115, 50/60 | 55 x 18 x 9 (1400 x 450 x 220) | 17060 BTU (5000 W) |

Note: Imperial measurements are approximate, metric measurements are exact.

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