

# 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](http://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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