

Rittal – The System.

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Air / water heat exchangers acc. to Mercedes-Benz Standard

for Mercedes-Benz AG Powertrain plants



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Air / water heat exchangers according to Mercedes-Benz Standard for Mercedes-Benz AG Powertrain plants Specification

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Wall-mounted air / water heat exchangers



Wall-mounted air / water heat exchangers in a stable sheet steel housing.

All water-carrying parts made from stainless steel 1.4571.

Temperature control and monitoring over Comfortcontroller with two potential-free fault signal output and door limit switch connection, factory setting 35°C.

Connection over pluggable terminal strip.

Colour:

- RAL 7035

Cooling medium:

- Water (see internet
for specifications)

Supply includes:

- Heat exchanger
- Drilling template
- Sealing and
assembly parts

Protection category:

- IP55 to IEC 60 529

With the following modifications:

- without magnetic valve, instead use of a coupling relay, which switches a floating contact when reaching the target value,
- without non-return valve,
- a power supply cable, change-over contact and fault signal contact are routed downwards (near the water connections) and out of the enclosure by means of a PG cable gland (3 m length), power itself is supplied from the outside,
- contacts for connections X2 and X3 are mounted on the backside of the exchanger are accessible through a cut-out from the inside of the enclosure,
- includes a second name plate in the interior of the unit,
- voltage supply and control line (fault signal contact / door limit switch) are separately leaded out via 2 metric screw fastening from the bottom (close to water connections, cable length 3 m).

Wall-mounted air / water heat exchangers

Order No.	3364.910	3373.910	3374.910	3375.910
Total cooling output L40/W10 with 400 l/h W	900	1800	3360	4560
Total cooling output L40/W20 with 400 l/h W	600	1200	2240	3040
Total cooling output L40/W30 with 400 l/h W	300	600	1120	1520
Total cooling output L40/W35 with 400 l/h W	250	300	450	700
Rated operating voltage V, ~, Hz	230, 1~, 50/60			
Width mm	280	400	400	450
Height mm	550	950	950	1400
Depth mm	120	145	145	220
Pre-fuse A	4			
Operating temperature range	+1° ... +70°C			
Setting range	+20° ... +55°C			
Permissible operating pressure (p max.) bar	1 – 10			
Air throughput of fans (unimpeded air flow) internal circuit m ³ /h	280 / 310	880 / 950	1150 / 1300	1490 / 1660
Weight kg	9.0	20.0	23.0	39.0

Roof-mounted air / water heat exchangers



Wall-mounted air / water heat exchangers in a stable sheet steel housing.

All water-carrying parts made from stainless steel 1.4571.

Temperature control and monitoring over Comfortcontroller with two potential-free fault signal output and door limit switch connection, factory setting 35°C.

Connection over pluggable terminal strip.

Colour:

- RAL 7035

Cooling medium:

- Water (see internet
for specifications)

Supply includes:

- Heat exchanger
- Drilling template
- Sealing mat
- assembly parts

Protection category:

- IP55 to IEC 60 529

With the following modifications:

- without magnetic valve, instead use of a coupling relay, which switches a floating contact when reaching the target value,
- without non-return valve,
- a power supply cable, change-over contact and fault signal contact are routed downwards (near the water connections) and out of the enclosure by means of a PG cable gland (3 m length), power itself is supplied from the outside,
- contacts for connections X2 and X3 are mounted on the backside of the exchanger are accessible through a cut-out from the inside of the enclosure,
- includes a second name plate in the interior of the unit.

Roof-mounted air / water heat exchangers

Order No.	3209.910	3210.910
Total cooling output L40/W10 with 400 l/h W	2250	3600
Total cooling output L40/W20 with 400 l/h W	1500	2400
Total cooling output L40/W30 with 400 l/h W	750	1200
Total cooling output L40/W35 with 400 l/h W	375	660
Rated operating voltage V, ~, Hz	230, 1~, 50/60	
Width mm	597	
Height mm	417	
Depth mm	475	
Pre-fuse A	4	
Operating temperature range	+1° ... +70°C	
Setting range	+20° ... +55°C	
Permissible operating pressure (p max.) bar	1 – 10	
Air throughput of fans (unimpeded air flow) internal circuit m ³ /h	925 / 1030	815 / 925
Weight kg	23.5	25.5

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- Power Distribution
- Climate Control
- IT Infrastructure
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