

**MKW 150 Air Cooler**

**Main Features**

Description	The MKW 150 air cooler is intended for installation in air ducts. The MKW 150 includes a droplet eliminator located behind the heat exchanger (cooler), designed to separate the condensate droplets. A tray located in the bottom part of the cooler is intended for condensate collection. The air cooler is suitable for installation in systems with HRV units with an air flow up to 300 m <sup>3</sup> /h.
Installation	horizontal only; for installation to round ducts it is necessary to observe the direction of air flow (marked in the dimension diagram below)
Working substance	air / cooling water or antifreeze fluid for heating systems
Code	<b>18139</b>

**MKW 150  
uninsulated**

**MKW 150 insulated**  
*insulation shall be ordered separately*

① R 1/2" – cooling water inlet  
② R 1/2" – cooling water outlet  
③ Ø 16 mm – condensate drain

Accessories (to be ordered separately)	
Insulation	code 18269

Technical Data	
Max. air flow rate	300 m <sup>3</sup> /h
Max. water flow rate	1100 l/h

Connection Dimensions and Weight	
Connections to air ducts	Ø 150 mm
Cooling water connections	R 1/2"
Drain pipe connection	Ø 16 mm
Weight *	9.9 kg
Overall dimensions (L x W x H) *	480 x 360 x 320 mm

\* with insulation

Materials	
Heat exchanger body	galvanized sheet metal
Tray (condensate collector)	aluminium
Heat exchanger fins	aluminium
Heat exchanger tubes	copper

Performance Data <sup>1</sup>				
Air flow rate [m <sup>3</sup> /h]	Water flow rate [l/h]	Output [kW]	Δp - air side 2 [Pa]	Δp - water side [mH <sub>2</sub> O]
200	400	1.2	18 (8+10)	0.207
	700	1.37	18 (8+10)	0.565
	1100	1.46	18 (8+10)	1.285
300	400	1.43	40 (25+15)	0.207
	700	1.57	40 (25+15)	0.565
	1100	1.85	40 (25+15)	1.285

<sup>1</sup> For cooling water inlet temperature 7°C; inlet air temperature 28°C at 50% relative humidity

<sup>2</sup> Pressure drop of heat exchanger + droplet eliminator

**Dimensions (without insulation)**

