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DATA SHEET

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 m3/h.	
Installation	horizontal only; for installation to round ducts it is necessary to observe the direction of air flow (marked in the dimension diagram bel	
Working substance	air / cooling water or antifreeze fluid for heating systems	
Code	18139	

MKW 150 uninsulated



Accessories (to be ordered separately)				
Insulation	code 18269			
Technical Data				
Max. air flow rate	300 m ³ /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

MKW 150 insulated insulation shall be ordered separately



L) R 1/2" – cooling water in	าlet
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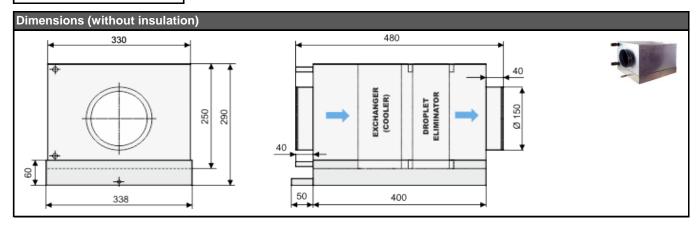
- ② R 1/2" cooling water outlet
- Ø 16 mm condensate drain

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

Performance Data ¹							
Air flow rate [m ³ /h]	Water flow rate [l/h]	Output [kW]	∆p - air side 2 [Pa]	Δp - water side [mH ₂ 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			

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

2 Pressure drop of heat exchanger + droplet eliminator



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