

DESCRIPTION

Air coolers UCM-...-250E are designed for refrigerant installations which are installed in chambers with temperature range from $T_k = -15^{\circ}\text{C}$ to -27°C . The coolers are built of batteries of fins evaporator Cu-Al with changing fin pitch 7mm on pipes diameter 10mm. The evaporator is cased in galvanized steel plate lacquered in white color. A silent-running fans guarantee air flow to 7m. Electric heaters, which are built-in evaporator and drip tray, provide efficient defrosting. **The coolers can be executed in glycol version.**

TECHNICAL SPECIFICATION & DIMENSIONS

Type	UCM-18-250E	UCM-28-250E*	UCM-38-250E*	UCM-48-250E*
Capacity [W] for $t_0 = -28^{\circ}\text{C}$ and temperature in chamber $T_k = -20^{\circ}\text{C}$, R404A	740	1540	2370	3090
Capacity [W] for $t_0 = -33^{\circ}\text{C}$ and temperature in chamber $T_k = -25^{\circ}\text{C}$, R404A	660	1400	2170	2890
Outside surface [m ²]	4.0	8.00	12.00	16.00
Inside volume [dm ³]	1.00	1.85	2.75	3.60
Defrosting heater 230V-power [W]	800	1600	2400	3200
Fans $\varnothing 250$ 16W/230V	Outgo [m ³ /s]	0.23	0.46	0.69
	Power consumption [W]	1x65	2x65	3x65
Socket ferrule	Inlet [mm]	$\varnothing 10$	$\varnothing 12$	$\varnothing 12$
	Outlet [mm]	$\text{Ł} 12$	$\varnothing 16$	$\varnothing 16$
Weight [kg]		13	21	30
Dimensions [mm]	L	560	910	1260
	A	455	805	1155

Δt – difference of air temperatures on inlet and evaporation of refrigerant R404A on cooler's outlet.

Ł – screwed connector.

Voltage for heater 3x450V, 60 Hz.

*Required thermostatic expansion valve with outer equalization of pressure.

All devices can be adjusted to other refrigerants: R507, R407C and R134a on Customer request.

