

DESCRIPTION

Air coolers FC-...-8-450E are designed for refrigerant installations which are installed in store chambers and technology halls using in food industry when temperature in chamber is from $T_K=0^{\circ}\text{C}$ to $+10^{\circ}\text{C}$. The coolers are built of batteries of fins evaporator Cu-Al with changing fin pitch 7 to 3mm on pipes diameter 10mm. The evaporator is cased in galvanized steel plate lacquered in white color. Every cooler is tested for leaks. After the test the cooler is dried and filled up with a neutral gas. Fans guarantee air flow to 30m. Electric heaters, built-in evaporator and drip tray, provide efficient defrosting. All units are equipped with fluid separator. The units are adapted to be supplied by refrigerant through thermostatic expansion valve with outer equalization of pressure.

TECHNICAL SPECIFICATION & DIMENSIONS

Type		FC-18-450E	FC-28-450E	FC-38-450E	FC-48-450E
Capacity for R404A, $t_0=-8^{\circ}\text{C}$ [W]	$\Delta t=10\text{K}$	9690	19810	28630	40560
	$\Delta t=8\text{K}$	7750	15850	22900	32450
Outside surface [m ²]		37.8	75.5	113.3	151.0
Inside volume [dm ³]		6.5	12.0	17.5	23.0
Defrosting heater 3x400V – power [W]		2700	5100	7500	9900
Fans C450 450W/ 3x400V	Outgo [m ³ /s]	1.40	2.80	4.20	5.60
	Power consumption [W]	1x450	2x450	3x450	4x450
Socket ferrule	Inlet [mm]	¢12	¢16	¢22	¢22
	Outlet [mm]	¢22	¢28	¢35	¢35
Weight [kg]		50	90	130	170
Dimensions [mm]	A	770	1570	2370	3170
	L	1100	1900	2700	3500

Δt – difference of air temperatures on inlet and evaporation of refrigerant R404A on cooler's outlet. Voltage for heater 3x450V, 60 Hz.

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

