

## DESCRIPTION

Air coolers HM-...-350E are designed for refrigerant installations, which are installed in freezing chambers with evaporation temperature range from  $t_0 = -5^\circ\text{C}$  to  $-30^\circ\text{C}$ . 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 powderly lacquered. Every cooler is tested for leaks. After the test the cooler is dried and filled up with a neutral gas. A silent-running fans guarantee air flow to 22m. Electric heaters, which are 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. **The coolers may be executed in glycol version.**

## TECHNICAL SPECIFICATION & DIMENSIONS

Type		HM-16-350E	HM-26-350E	HM-36-350E	HM-46-350E	HM-56-350E	HM-66-350E
Capacity for R404A [W]	$t_0 = -8^\circ\text{C}$ , $\Delta t = 10\text{K}$	3470	7160	10450	14500	17740	-
	$t_0 = -25^\circ\text{C}$ , $\Delta t = 7\text{K}$	2070	4320	6260	7830	10750	12670
Outside surface [m <sup>2</sup> ]		9.4	19.0	28.4	38.0	47.4	57.0
Inside volume [dm <sup>3</sup> ]		2.2	3.9	5.7	7.6	9.4	11.1
Defrosting heater 3x400V – power [W]		1800	3600	5400	7200	9000	10800
Fans $\varnothing 350$ 150W/ 3x400V	Outgo [m <sup>3</sup> /s]	0.70	1.40	2.10	2.80	3.50	4.20
	Power consumption [W]	1x150	2x150	3x150	4x150	3x150	4x150
Socket ferrule	Inlet [mm]	$\varnothing 12$	$\varnothing 12$	$\varnothing 12$	$\varnothing 12$	$\varnothing 12$	$\varnothing 12$
	Outlet [mm]	$\varnothing 16$	$\varnothing 22$	$\varnothing 22$	$\varnothing 28$	$\varnothing 28$	$\varnothing 28$
Weight [kg]		16	31	46	61	76	91
Dimensions [mm]	A	520	1020	1520	2020	2520	3020
	B	-	-	-	1000	1000	1620
	L	710	1210	1710	2210	2710	3210

$\Delta t$  – 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.

