



Humidity Solutions Ltd

.....the solution is clear

fisair
air humidity control 



HEF4 series

Cellular panel
evaporative coolers





Technical data

Technical specifications						
Model	Air Flow m ³ /h (1)	Motor Power W (2)	Sound Pressure Level dB(A)	Humidification capacity (Kg/h) (3)		
				5 °C y 70% HR	12 °C y 70% HR	22 °C y 40% HR
HEF-402	2.000	160	55	1,6	2,0	6,0
HEF-403	3.000	200	58	2,4	3,1	9,0
HEF-404	4.000	250	56	3,2	4,1	12,0
HEF-406	5.600	275	59	4,4	5,7	16,8
HEF-408	7.500	475	62	6,0	7,7	22,5
HEF-410	10.000	620	65	8,0	10,3	30,0

- (1) Free discharge flow.
- (2) Mains connections: 230V/l+N/50Hz. Other voltages under demand
- (3) Usual process airconditions for fruits/cheese maturation chambers and human comfort.

[Remark] *Subject to technical amendments without notice.*

Specification

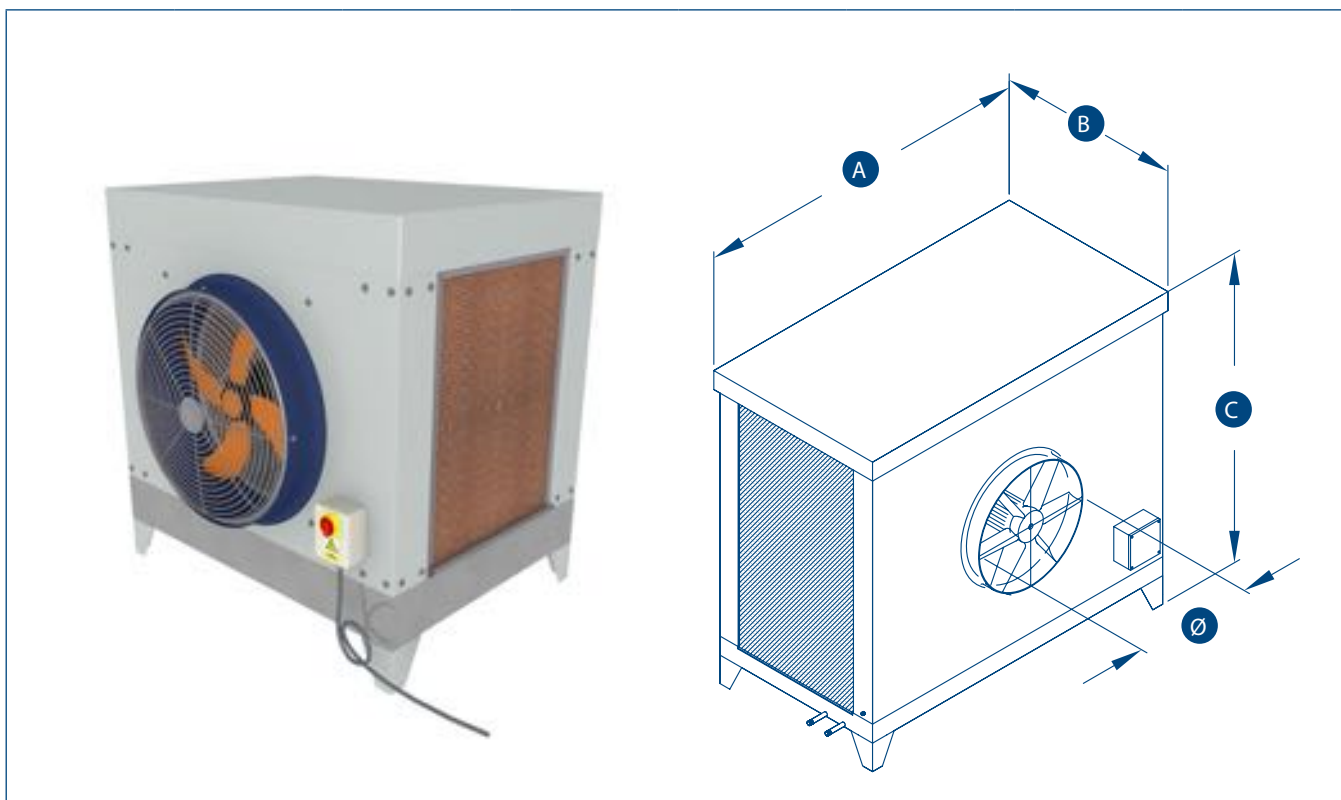
Evaporative air cooler/humidifier, FISAIR model HEF4XX, include the following features:

CONSTRUCTION:

- Self-supporting metal frame fabricated in galvanised steel plate with phosphate priming coat. Outside RAL-7035 enamel finish. Water basin in stainless steel AISI-304.
- Direct driven axial fan with steel plate frame and poliamide 6 fiberglass reinforced impeller, dynamically balanced according to ISO1940 std. Asynchronous single phase motor, Ip55 class F isolation with thermal protection.
- HUMI-KOOL evaporative pad media made of cellulose paper with wetting and strengthening agents, assembled into galvanised steel (cassettes) frames with handle and integrated water distribution device.
- Water feed and recirculation: Float filling valve; immersion single phase motor pump with flow regulation valve for recirculating and bleed-off water flows; PVC water pipes; integrated overflow and drain outlets.
- Electrical supply: Water proof Ip55 connection box with terminals block and isolating switch for fan and pump motors independently. Connections to motors by protected conductor wires.

OPERATION:

- Airflow: "N1" m³/h. (according to the table).
- Operating performance: 75% (for nominal airflow).
- Averagespeed of air suction through the panels: 1,5 m/s



Overall dimensions and weights

Model	DIMENSIONS (mm)				N° & Size of Pads Cassettes	Aproximate Weight (Kg)	
	A	B	C	Ø		Empty	Operative
HEF-402	730	530	900	315	1x600x600	50	90
HEF-403	1030	530	900	370	1x900x600	60	115
HEF-404	1030	530	1200	470	1x900x900	70	125
HEF-406	1185	685	935	525	1x900x670	100	185
					2x400x670		
HEF-408	1185	685	1190	570	1x900x920	115	195
					2x400x920		
HEF-410	1185	885	1190	645	1x900x920	150	250
					2x600x920		

[Remark] Overall dimensions subject to amendments without notice.



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