



HIVASANAT

Engineering Consulting &

Procurement Company

AIR HUMIDITY CONTROL



EVAPORATIVE AIR HUMIDIFIERS HEF 4 SERIES Technical Data Sheet



نماینده انحصاری :

تهران ، خیابان شریعتی ، بالاتر از تقاطع سمیه ،
ساختمان جواهری ، طبقه اول ، واحد ۱۱

شرکت هیوا صنعت

فکس : ۷۷۶۳۵۷۴۳

تلفن : ۷۷۶۳۵۷۴۲-۴۳

وبسایت : www.hivasanat.com ایمیل : info@hivasanat.com

MODEL	Air flow m ³ /h (*)	Humidification capacity (kg/h)			Gross weight(kg)	
		5°C, 70%RH	12°C, 70%RH	22°C, 40%RH	Empty	Working.
HEF-402	2000	1.6	2.0	6.0	50	90
HEF-402-E	2000	1.6	2.0	6.0	55	100
HEF-403	3000	2.4	3.1	9.0	60	115
HEF-404	4000	3.2	4.1	12.0	70	125
HEF-406	5600	4.4	5.7	16.8	100	185
HEF-408	7500	6.0	7.7	22.5	115	195
HEF-410	10000	8.0	10.3	30.0	150	250

Model	Motor Powers		Sound Level
	Fan	Pump	dB
HEF-4			
HEF-402	140 W	20 W	55
HEF-403	180 W	20 W	58
HEF-404	225 W	20 W	56
HEF-406	245 W	60 W	59
HEF-408	415 W	60 W	62
HEF-410	560 W	60 W	65

(1) Free discharge flow.

(2) Mains connections: 230V/I+N/50Hz.

Other voltages under demand.

(3) Usual process airconditions for fruits/cheese maturation chambers and human comfort.

(*) Technical data subject to alterations.

FISAIR EVAPORATIVE AIR HUMIDIFIERS SPECIFICATION



Evaporative air cooler/humidifier, FISAIR model HEF-4, include the following features:

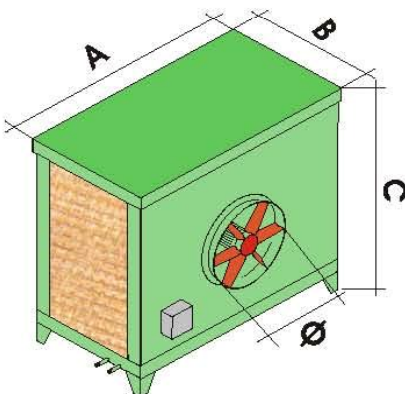
CONSTRUCTION

- Self-supporting metal frame fabricated in galvanised steel plate with phosphate priming coat. Outside RAL-6018 enamel finish. Inside water reservoir with bituminous layer. Stainless steel plates as an option.
- Direct driven axial fan with steel plate frame and poliamide 6 fiberglass reinforced impeller, dinamically 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 integral 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; integral overflows and drain steel nozzles.
- Electrical supply: Water proof Ip55 connection box with terminals block and isolating switch for fan and pump motors indepently. Connections to motors by protected conductor wires.

OPERATION

- Airflow: see front page table.
- Saturation performance: 75% on the wet bulb temperature line process air, for nominal airflows.
- Average pads inlet velocity: 1,5 m/s.

OVERALL DIMENSIONS AND WEIGHTS



MODEL	DIMENSIONS (mm)				No. & size of pads Cassettes	Aproximate weight (kg)	
	A	B	C	Ø		Empty	Operative
HEF-402	730	530	900	311	1x600x600	50	90
HEF-403	1030	530	900	363	1x900x600	60	115
HEF-404	1030	530	1200	463	1x900x900	70	125
HEF-406	1185	685	820	517	1x900x600 2x400x600	100	185
HEF-408	1185	685	1180	563	1x900x900 2x400x900	115	195
HEF-410	1185	685	1180	638	1x900x900 2x600x900	150	250

Technical data subject to alterations



FISAIR, S.L.
Uranio,20 - Pl. AIMAYR
28330 San Martin de la Vega
MADRID (SPAIN)

+34-91 692 15 14 - +34-91 691 64 56
e-mail : info@fisair.com
www.fisair.com

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