

Air Conditioning
Cooling



Heating
Ventilation

HVAC air curtains

Type ElipsAir

HVAC®

Air curtains

Perfectly Shaped

ElipsAir



The **ElipsAir** which is designed in its cross-section in oval shape, is an air curtain in self-supporting construction consisting of a compound of aluminium sections and steel-sheets coated in RAL colours. Other colours are available on request. The visual range of the **ElipsAir** is designed without screw and rivet connections. The side panels are adapted to the housing in terms of shape and colours comprising a harmonic unit with the device. The intake louver of the **ElipsAir** consists of a perforated steel-sheet in device colour. A large flap at the bottom allows easy access to the fans, the heating register and the regenerable EU2 filter.

The top of the device features M8 rivet nuts for the easy wall or ceiling assembly. The hot water model of the **ElipsAir** includes a copper/aluminium heating system that is designed for high performance and a broad range of applications. The electrically heated version employs resistor heaters of corrosion-resistant, helical ribs with thermal overheating protection.

The double-surged anti-vibration radial fans, equipped with energy saving EC motor, that are supplied with direct current are extremely silent in operation and provide the power-specific airflows. They are equipped with thermal contacts for a comprehensive motor protection.

For the fitting special brackets can be linked on the **ElipsAir** from the top or the sides, which contain the incoming supply for water and electricity. The **ElipsAir** patented aerodynamic Jet-Flo blow-out is made of anodized aluminium in the colour of the device.

Airflow regulation with five-stage touch button control, hand/auto and summer/winter operation (hot water) or five-stage air control and three-stage heat control (electrical). Including 20-meter length of regulating cable with RJ45 connectors. The patented aerodynamic Jet-Flo high-pressure chamber system with large non-dissipative adjustment range of the blower (40°) is responsible for a significantly improved shielding performance, a lower noise level and an improved energy balance.

HVAC®

Air curtains

The patented aerodynamic Jet-Flo high-pressure chamber blow-out system cannot be compared to a traditional air duct, because it consumes 40 % less energy for the same shielding performance.

HVAC aerodynamic JET-FLO air curtain technology

HVAC developed a new air curtain generation, using the “JET-FLO tubes”, which have inside aerodynamically shaped and adjustable wings: leaving the tube, the air becomes an extra concentrated and condensed airflow like air below an airplane - wing, resulting in following unique characteristics:

- 40% less energy consumption compared to any other air curtain
- The only air curtain worldwide fully shielding an open entrance gap
- The only air curtain worldwide for heights up to 6 meter or any width
- Double adjustable; air velocity and blow out direction
- Much less air volume needed, resulting in a very silent operation
- No insects can pass through due to the concentrated air stream
- Architecture variety possible thanks to the compact JET-FLO tube
- The tube is accurately to direct to building over-or under pressure
- The air stream can be adjusted towards winter- or summer mode
- Investment is earned back in < 2 years by the very high efficiency
- Noise level is upon the very lowest in the market (42 – 58 dB(A))

These unique characteristics make implementation of JET-FLO air curtains possible in situations & business sectors, where this is hardly possible with air curtains, using conventional air-outlets:

- All industrial environments in general (shielding the internal air)
- Food industry (shielding entrances of cool- & deep freeze stores)
- Shielding neighbors against smell from garbage treatment plants
- Preventing smell to penetrate from one to next production process
- Creating strong “air locks” at entrances in heavy circumstances
- Shielding entrances at direct strong & cold sea winds (up to Bf 6!)
- Compensating losses & draft (up to 20%) of revolving doors
- Compensating losses & draft (up to 50%!) of sliders at vestibules
- Decrease CO2 emission

Our advice

Explain us your specific problem and we will investigate which JET-FLO air curtain configuration is the ultimate solution! Our air curtains are TÜV SÜD certified.

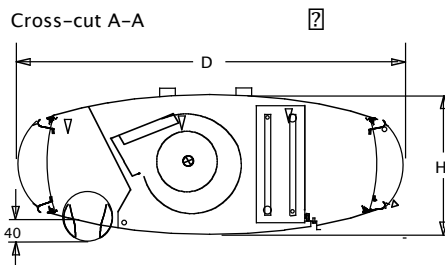
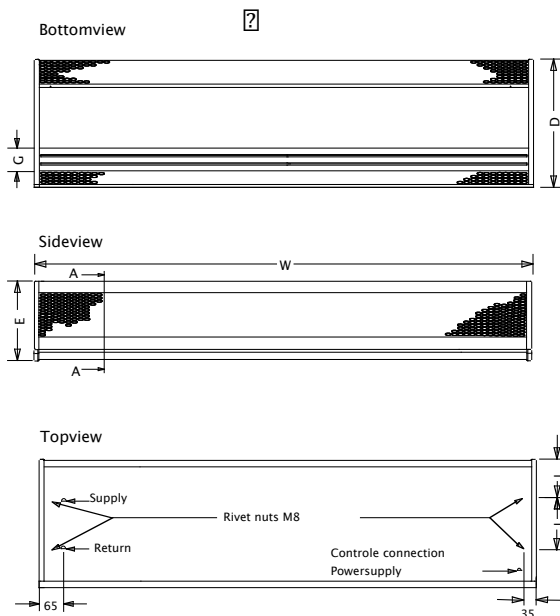


Specifications

Series		ElipsAir-1					ElipsAir-2					ElipsAir-3				
Installation height max.	m	2,7					3,2					4,5				
Active part	cm	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300
Air flow	m ³ /h	1800	2400	3000	3600	4800	2700	3600	4500	5400	6300	4000	6000	8000	10000	12000
Air velocity	lowest stage	m/s	5,5	4,8	4,5	4,3	4,8	8,2	7,2	6,7	6,4	6,2	12,2	12,0	11,9	11,8
	highest stage	m/s	10,6	9,2	8,6	8,2	9,1	15,8	13,6	12,9	12,3	11,9	23,4	23,0	22,8	22,7
Noise level	lowest stage	dB(A)	≤40	≤41	≤41	≤41	≤42	≤41	≤43	≤44	≤45	≤46	≤50	≤51	≤52	≤52
	highest stage	dB(A)	54	56	58	60	61	54	56	58	60	62	57	59	60	61
Heating capacity	w 80/60 °C	kW	16,4	19,6	21,7	25,5	50,1	21,1	25,1	27,6	32,5	60,7	35,2	38,4	43,8	102,7
	w 60/40 °C	kW	8,7	15,0	20,2	22,3	36,1	11,0	19,6	26,9	29,0	43,7	19,4	30,0	43,4	75,8
Water flow	w 80/60 °C	m ³ /h	0,7	0,9	1,0	1,1	2,2	0,9	1,1	1,2	1,4	2,7	1,6	1,7	1,9	2,3
	w 60/40 °C	m ³ /h	0,4	0,7	0,9	1,0	1,6	0,5	0,9	1,2	1,3	1,9	0,9	1,3	1,9	3,3
Water pressure	w 80/60 °C	kPa	8,4	13,4	3,7	4,5	15,1	13,7	21,6	5,9	7,2	21,9	18,6	24,8	15,8	36,6
	w 60/40 °C	kPa	2,5	18,4	6,2	3,5	9,5	3,9	29,9	10,4	5,8	13,6	13,7	78,0	30,0	17,1
Pipe connection	Supply	inch	¾	¾	¾	¾	¾	¾	¾	¾	¾	¾	1 1/4"	1 1/4"	1 1/4"	1 1/4"
	Return	inch	¾	¾	¾	¾	¾	¾	¾	¾	¾	¾	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Electrical Data	V/Hz		230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50
	kW		0,30	0,52	0,65	0,59	1,04	0,44	0,59	0,74	0,89	1,04	0,55	0,82	1,1	1,37
Electrical Register	A		1,4	2,4	3,0	2,8	4,8	2,1	2,8	3,5	4,2	4,9	3,02	4,54	6,05	6,71
	E-Stage 1	kW	3,0	4,0	6,0	6,0	10,6	5,0	5,0	6,0	10,6	10,6	5,0	7,5	10,0	10,6
(three stage, 400V, 3Ph,50Hz)	E-Stage 2	kW	6,0	8,0	12,0	12,0	21,3	10,0	10,0	12,0	21,3	21,3	10,0	15,0	20,0	21,3
	E-Stage 3	kW	9,0	12,0	18,0	18,0	32,0	15,0	15,0	18,0	32,0	32,0	15,0	22,5	30,0	32,0
Weight	kg		33	48	63	79	95	44	66	85	106	127	57	58	112	168
Dimensions	Width	mm	1000	1500	2000	2500	3000	1000	1500	2000	2500	3000	1000	1500	2000	2500
	Height	mm	300					300					450			
	Depth	mm	800					800					1000			

Model ElipsAir

ElipsAir	Type	1	2	3
Width	W mm	1000-3000	1000-3000	1000-3000
Height	H mm	300	300	450
Depth	D mm	800	800	1000





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