



# Datasheet WAFE 1000 EFS

	WAFE 1000 EFS			
Product	Manufacturer	WAFE s.r.o.		
	Model	WAFE 1000 EFS		
Basic parameters	Airflow	150–800 m <sup>3</sup> /h		
	Temperature limits	-20 °C to 45 °C		
	Heat recovery efficiency	79–92 %		
	Humidity recovery efficiency	up to 80 %		
	External static pressure (ESP)	50–250 Pa		
	Operational logic	Autonomous (CO <sub>2</sub> sensor)		
	Energy efficiency class	A		
Operational parameters	Airflow reference	300 m <sup>3</sup> /h	450 m <sup>3</sup> /h	700 m <sup>3</sup> /h
	External static pressure (ESP) reference	50 Pa	50 Pa	50 Pa
	Heat recovery efficiency	91,2 %	88,6 %	85,3 %
	Power input	65 W	104 W	245 W
Design	Weight (with casing/without casing)	90 kg/75 kg		
	Dimensions (w × h × d)	2000 × 1100 × 500 mm		
Installation	Installation room temperature	More than 5 °C		
	Installation room relative humidity	Less than 70 % at 22 °C		
	Installation position	Universal installation		
Components	Body	Expanded polypropylene (EPP)		
	Heat exchanger	Plastic ducts counterflow		
	Fans	EC CF radial with forward curved blades		
	Flap system	Entalpic flap system (EFS)		
	Filters	F7 fineness for fresh incoming outdoor air F7/AC fineness for sand, ash, pollen and spores, dust, bacteria, smoke, allergens, smells M5 fineness for stale exhaust air from the building		
	Sensors	Pressure, temperature, humidity, CO <sub>2</sub>		
	Sheathing	Aluminium plates with powder coating (optional)		
	Accessories (upcoming–sold separately)	SIGFOX IoT konektivita		
Construction readiness	Ventilation	DN 250 mm (inner diameter)		
	High voltage	230 V AC, 50 Hz + cable		
	Low voltage (optional)	Ethernet / RJ45		
Legal	IEC protection class	I		
	Ingress Protection Marking (IP)	IP 40		

Note: Values according to mathematical calculations.