



Datasheet WAFE 1000 E

WAFE 1000 E				
Product	Manufacturer	WAFE s. r. o.		
	Model	WAFE 1000 E		
Basic parameters	Airflow	150–800 m³/h		
	Temperature limits	-20 °C to 45 °C		
	Heat recovery efficiency	75–86 %		
	Humidity recovery efficiency	up to 90 %		
	External static pressure (ESP)	50–250 Pa		
	Energy efficiency class	A		
Operational parameters	Airflow reference	300 m³/h	450 m³/h	700 m³/h
	External static pressure (ESP) reference	50 Pa	50 Pa	50 Pa
	Heat recovery efficiency	80,5 %	77,4 %	75 %
	Power input	49,6 W	91,7 W	230 W
Design	Weight (whith 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	Enthalpic counterflow membrane		
	Fans	EC CF radial with forward curved blades		
	Filters	F7 fineness for fresh incoming outdoor air F7/AC filter for filtering odors and smog through activated carbon M5 fineness for stale exhaust air from the building		
	Sensors	Temperature and humidity, CO ₂ (optional)		
	Sheathing	Aluminium plates with powder coating		
	Accessories (upcoming–sold separately)	SIGFOX Internet of Things network connectivity (optional) Ethernet (optional)		
Construction readiness	Ventilation	DN 250 mm (inner diameter)		
	High voltage	230 V AC, 50 Hz +2m cable with a standard euro connector		
	Low voltage (optional)	Ethernet / RJ45 (JYSTY cable 2 × 2 × 0,5 for controller)		
Legal	IEC protection class	1		
	Ingress Protection Marking (IP)	IP 40		
Operational logic		Manual controller Weekly SW configurator Autonomous (CO ₂ sensor)		

Note: Values according to mathematical calculations.