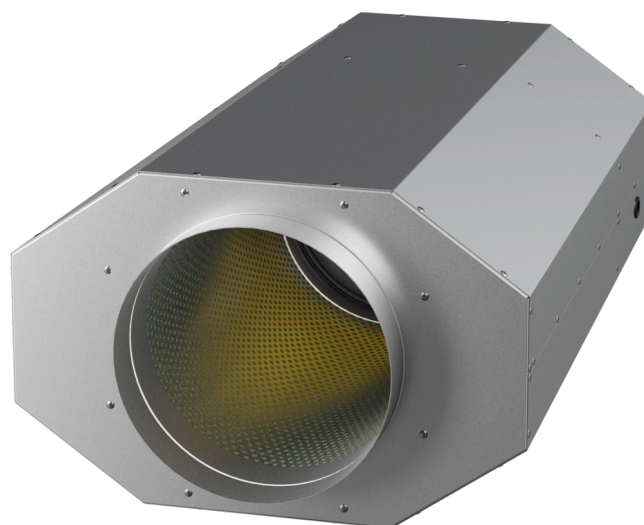


EMI 250 E2M O 01

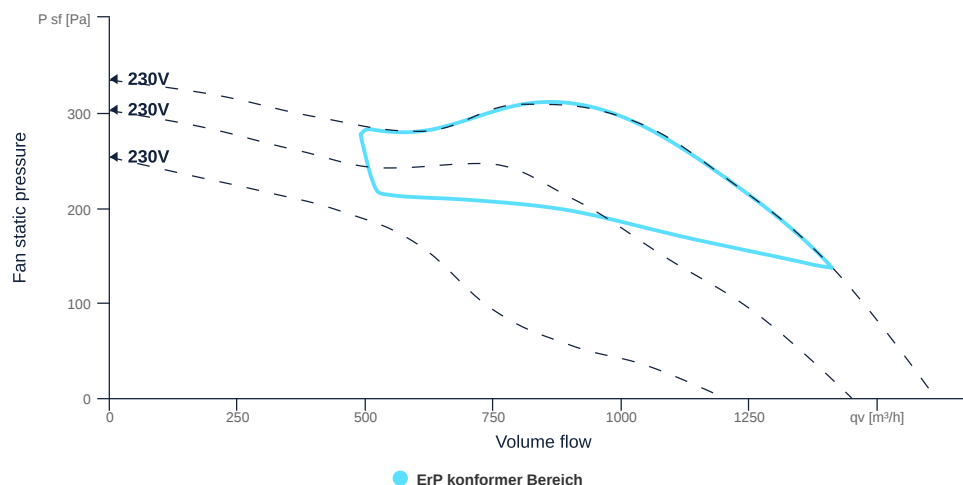
158239

- High-efficiency, insulated diagonal fan
- Optimum sound attenuation due to silencer
- Very compact housing made of galvanized sheet steel
- Robust AC motor, 3-steps controllable
- Highest aerodynamic efficiency
- Conveyed medium temperature up to 50 °C in continuous operation



FAN CURVES

Name	Value	Unit
Volume flow	0	m³/h
Pressure	0	Pa



to the product detail page

EMI 250 E2M O 01

158239

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GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		WxH _{duct}
Pipe connection size (DN)	DN250		DN
Rated voltage (entire device)	230	v	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Galvanized steel		mat _{casing}
Impeller material	Plastic		mat _{impeller}
Weight	14.3	kg	m
Fan type	Diagonal		Fan _{type}
Category / Installation situation	B		cat

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	178	w	P _{ed, max}
Max. operating current (device)	0.83	A	I _{ed, max}
Max. speed	2900	rpm	n _{max}
Max. stat. efficiency	44.4	p	η _{es}
Max. fan efficiency	47.8	p	η _e
Max. flowrate	1610	CmH	q _{v, max}
Max. stat pressure	330	Pa	p _{sf, max}
Max. medium temperature	50	°C	T _{m, max}
Max. environment temperature	50	°C	T _{amb, max}
Min. environment temperature	-25	°C	T _{amb, min}



MOTOR DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		AC 1~		phase
Installation type		IRM (In)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TAI		protectmotor
Protection class		IP00		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		5	µF	Ccond
Voltage capacitor		450	v	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230		v	Urated, f1
Rated current	0.75		A	Irated, f1
Nominal power	100		w	Pa
UL-Certification motor		None		ULcert

ERP DATA (LOT11)

Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	2824	rpm	n _{opt}
Efficiency level	56.3	p	N
Efficiency category	total		cat _{efficiency}
Input power of the motor at the energy efficiency optimum	0.17	kw	P _{e, opt}
Overall efficiency	75	p	η _{ges}
Measurement category	B		meas cat
Fan pressure at energy efficiency optimum	282	Pa	p _{f, opt}
Flowrate at energy efficiency optimum	1066	CmH	q _{v, opt}

SMOKE EXTRACT DATA

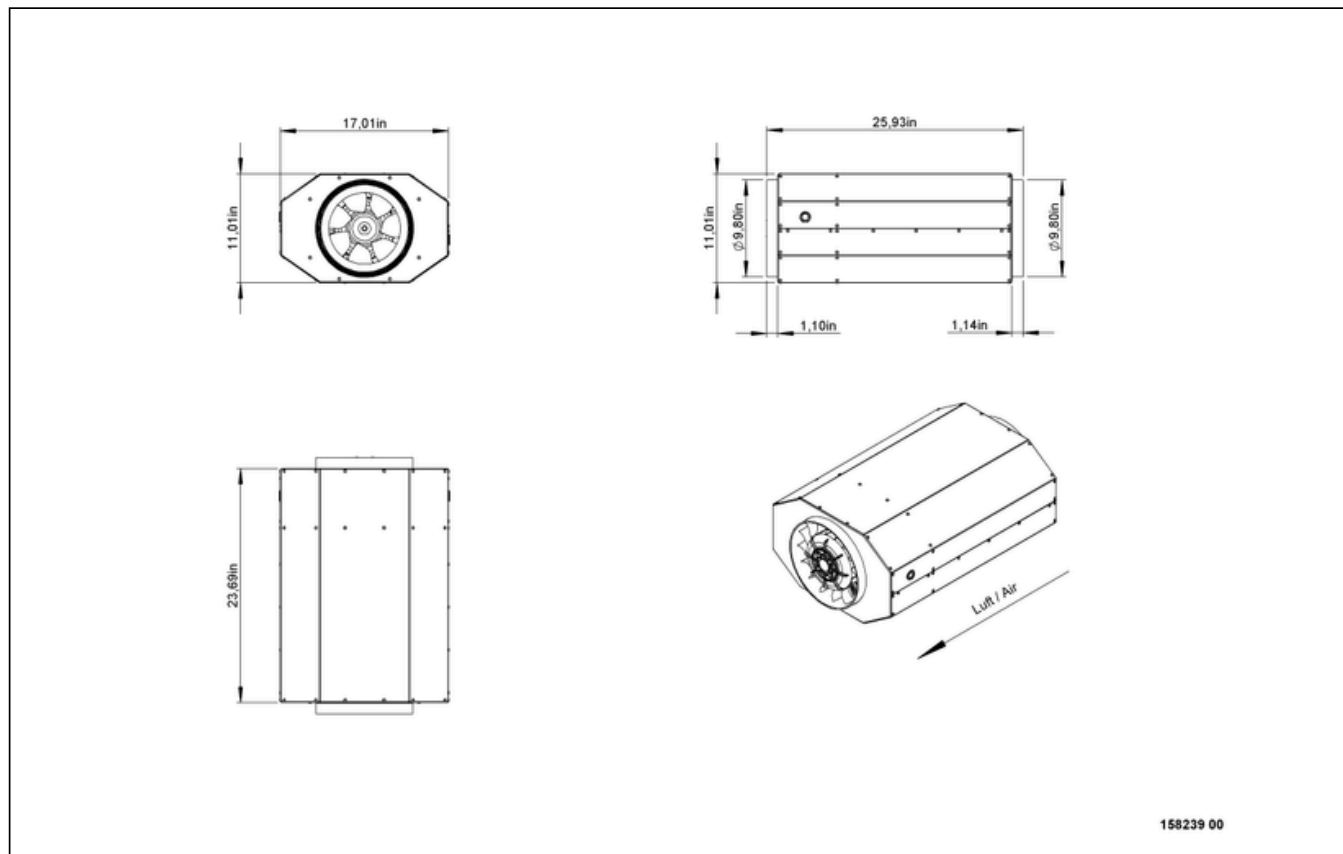
Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass



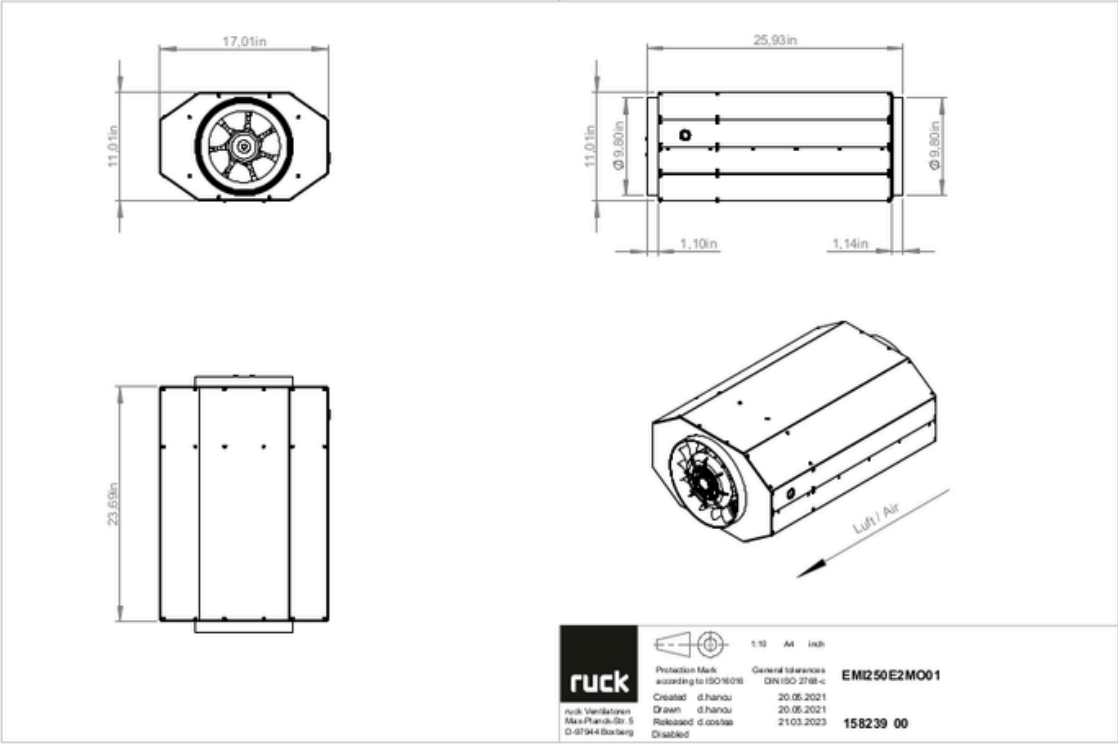
EMI 250 E2M O 01

158239

CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



EMI 250 E2M O 01
158239

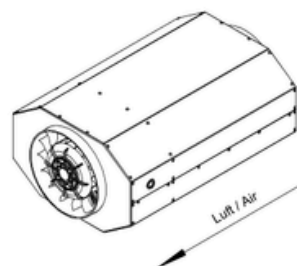
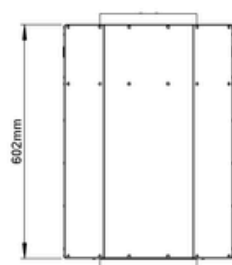
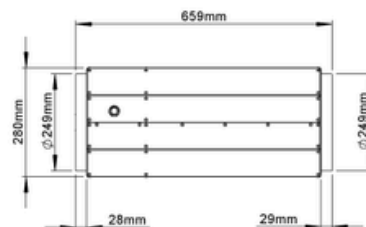
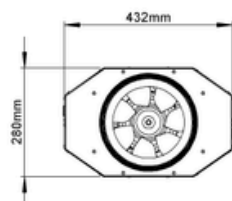


[to the product detail page](#)



EMI 250 E2M O 01

158239



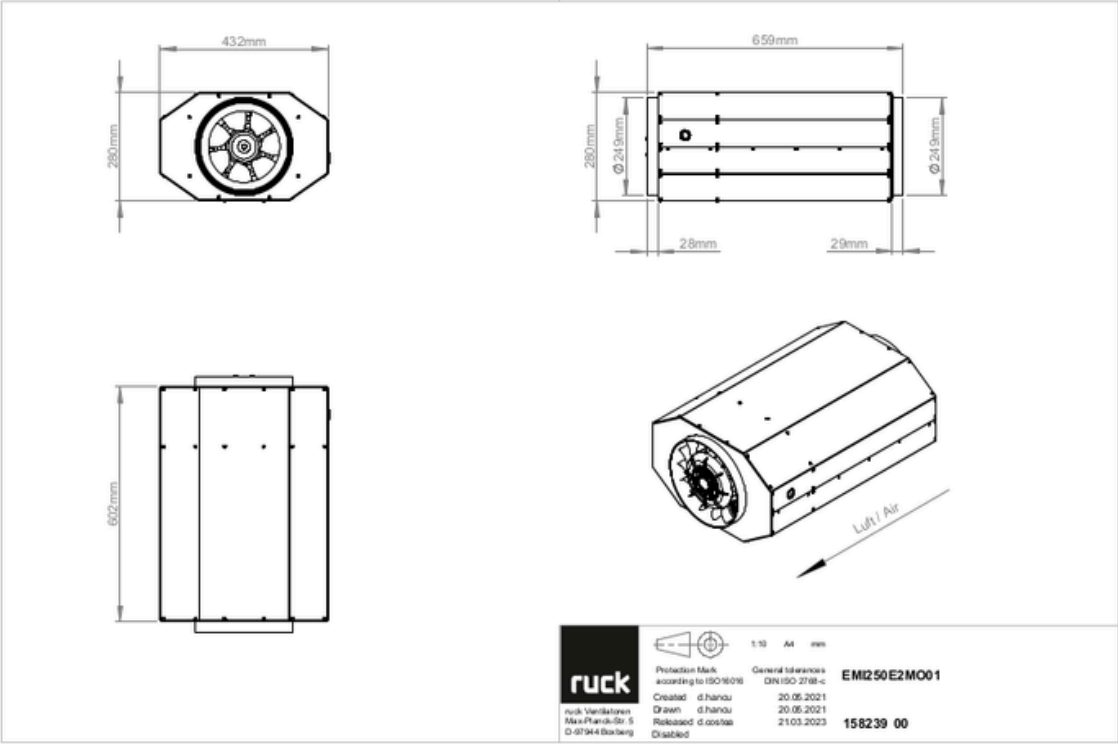
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[to the product detail page](#)

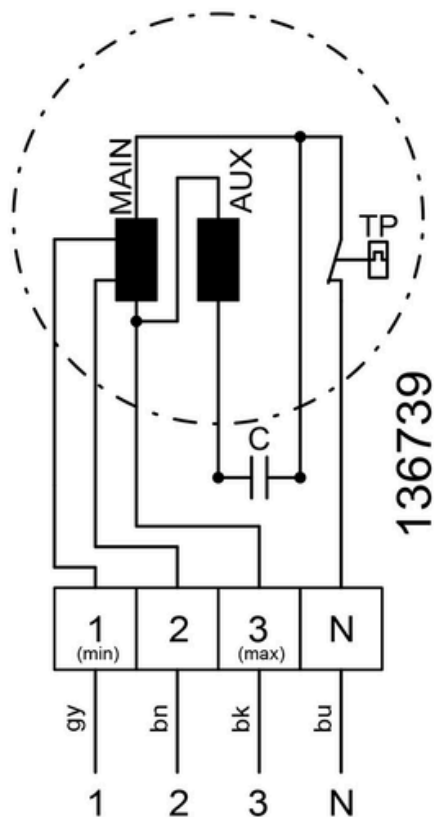
EMI 250 E2M O 01

158239



EMI 250 E2M O 01

158239



to the product detail page