

EL 200 E2 03

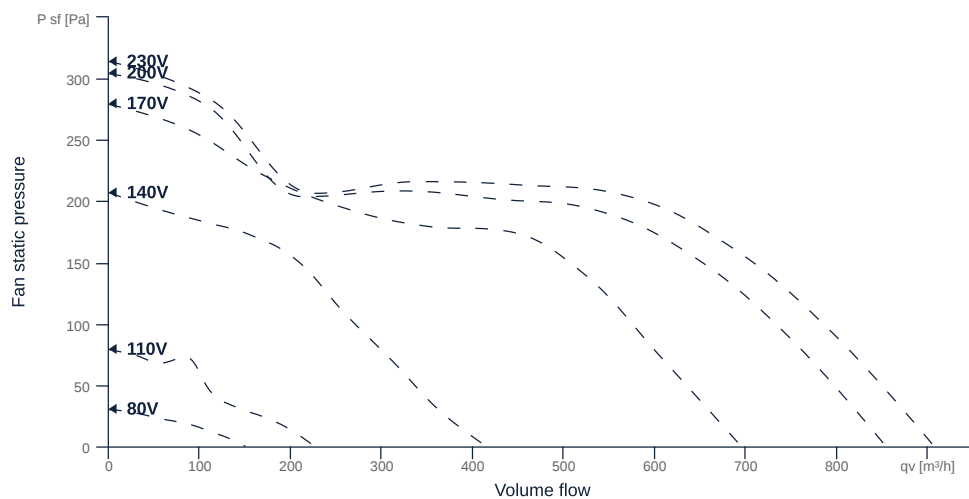
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- Innovative, high-efficiency diagonal fan
- Optimally tuned, CFD-optimized aerodynamics
- The benchmark for efficiency since 2007
- Robust single phase AC motor
- Conveyed medium temperature up to 60 °C in continuous operation
- Housing made of polyamide



FAN CURVES

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



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GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		$W \times H_{duct}$
Pipe connection size (DN)	DN200		DN
Rated voltage (entire device)	230	V	U_{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Plastic		mat_{casing}
Impeller material	Plastic		$mat_{impeller}$
IP-protection class (entire device)	IPX4		IP_{compl}
Weight	2.9	kg	m
Fan type	Diagonal		Fan_{type}
Category / Installation situation	A		cat

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	107	W	$P_{ed, max}$
Max. operating current (device)	0.61	A	$I_{ed, max}$
Max. speed	2890	rpm	n_{max}
Max. stat. efficiency	33.6	p	η_{es}
Max. fan efficiency	36.2	p	η_e
Max. flowrate	910	CmH	Q_v, max
Max. stat pressure	310	Pa	$p_{sf, max}$
Max. medium temperature	60	°C	T_m, max
Max. environment temperature	60	°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
Control type		step-controlled		ctrltype
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		3.5	μF	Ccond
Voltage capacitor		450	v	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230		v	Urated, f1
Rated current	0.45		A	Irated, f1
UL-Certification motor		None		ULcert

ERP DATA (LOT11)

Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	2800	rpm	n _{opt}
Efficiency level	33.5	p	N
Efficiency category	statisch		catefficiency
Input power of the motor at the energy efficiency optimum	0.1	kw	P _{e, opt}
Overall efficiency	54.7	p	η _{ges}
Measurement category	A		meas cat
Fan pressure at energy efficiency optimum	202	Pa	p _{f, opt}
Flowrate at energy efficiency optimum	579	CmH	Q _{v, opt}

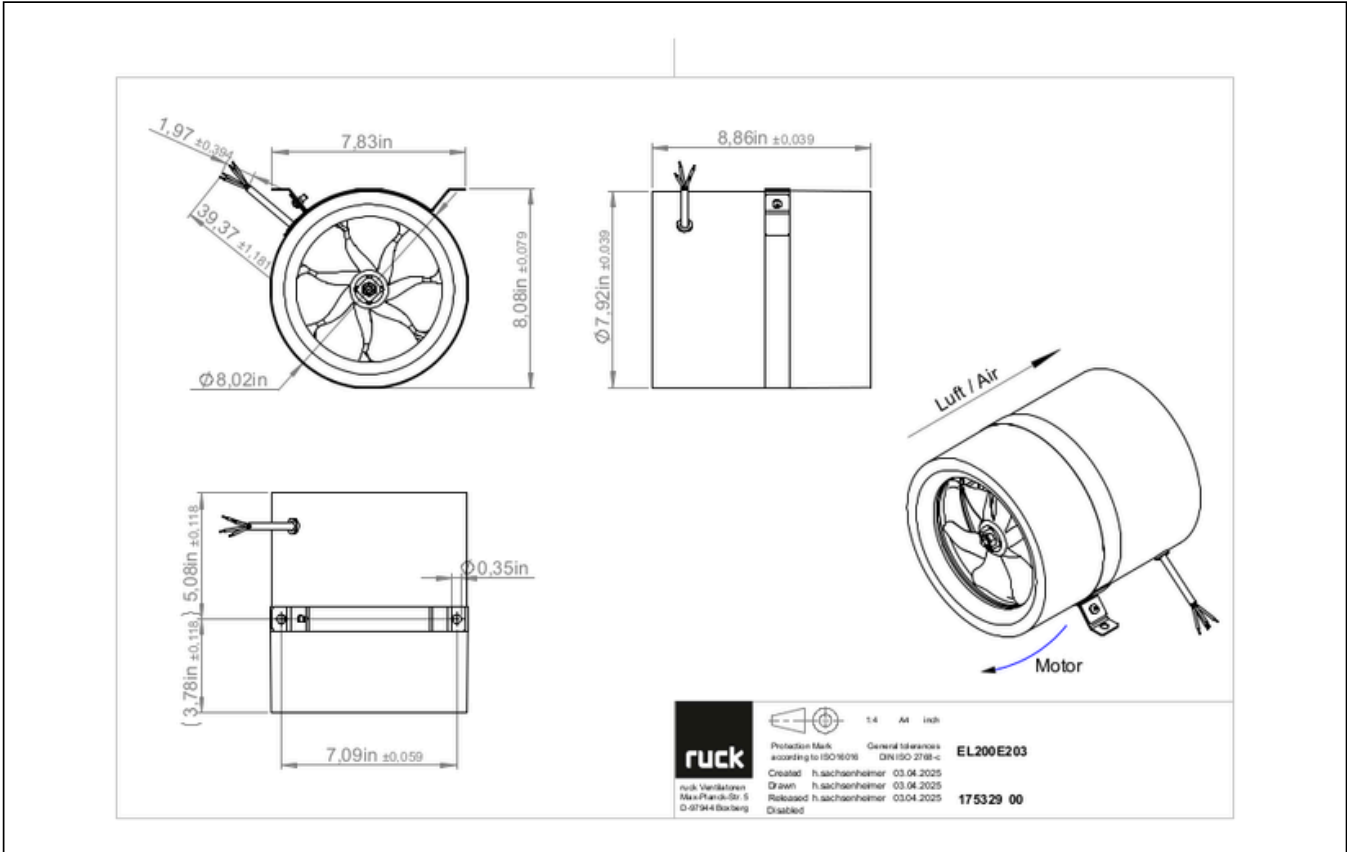
SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass



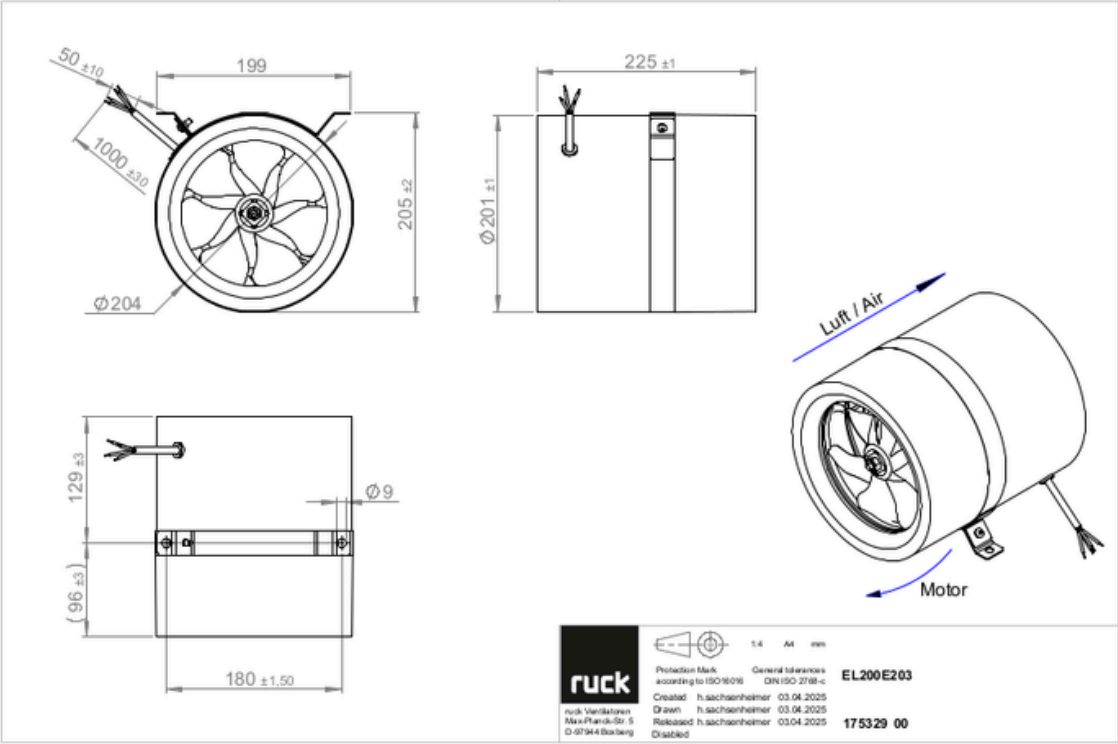
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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS

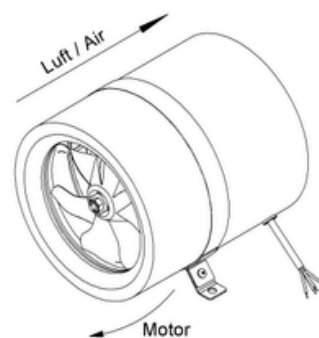
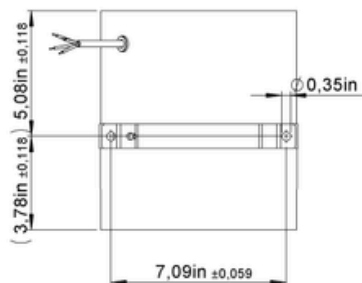
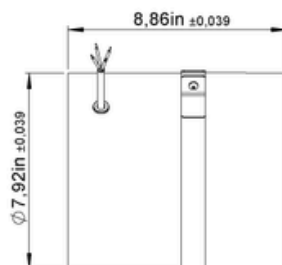
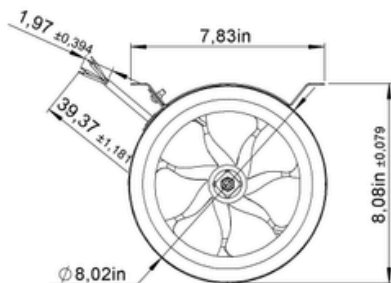


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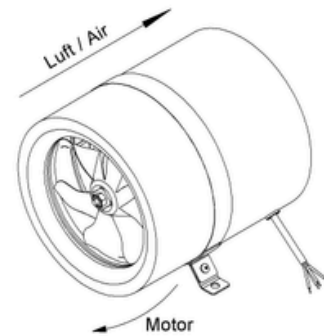
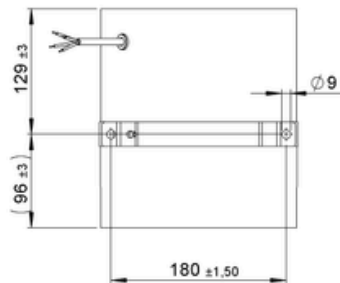
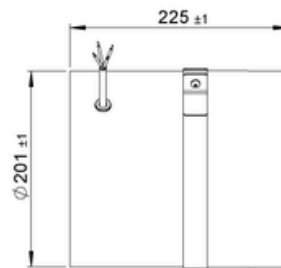
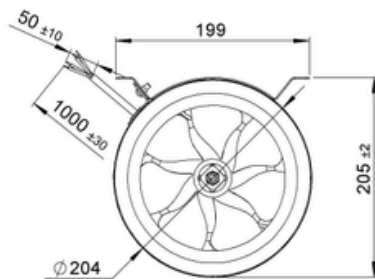
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