

EL 200L E2 01

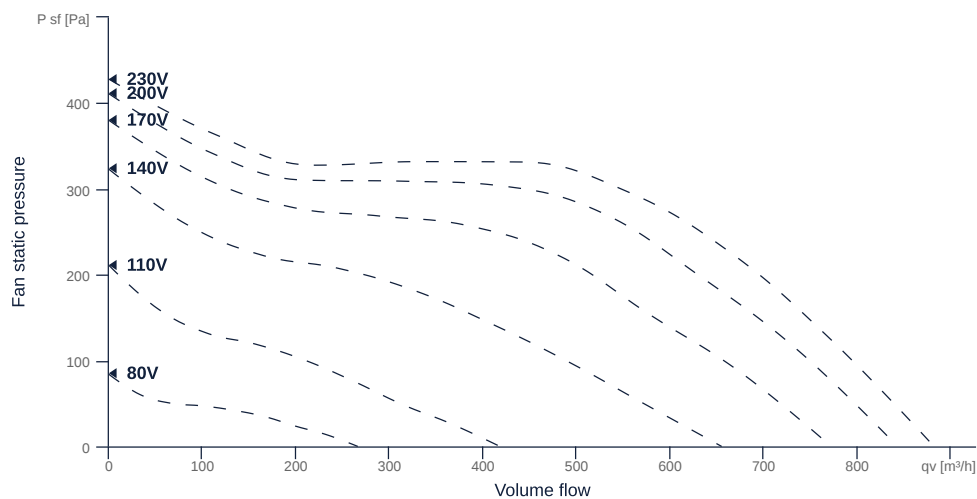
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- Innovative, high-efficiency diagonal fan
- Optimally tuned, CFD-optimized aerodynamics
- The benchmark for efficiency since 2007
- Robust single phase AC motor
- Conveyed medium temperature up to 55 °C in continuous operation
- Housing made of polyamide



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	-		WxH _{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	3.34	kg	m
Fan type	Diagonal		Fan _{type}
Category / Installation situation	A		cat

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	124	w	P _{ed, max}
Max. operating current (device)	0.62	A	I _{ed, max}
Max. speed	2790	rpm	n _{max}
Max. stat. efficiency	35.4	p	η _{es}
Max. fan efficiency	37.2	p	η _e
Max. flowrate	880	CmH	Q _{v, max}
Max. stat pressure	430	Pa	p _{sf, max}
Max. medium temperature	55	°C	T _{m, max}
Max. environment temperature	55	°C	T _{amb, max}
Min. environment temperature	-25	°C	T _{amb, min}
Min. voltage	80	v	U _{min}



MOTOR DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		AC 1~		phase
Control type		stepless-controlled		ctrlype
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	0.5		A	Irated, f1
UL-Certification motor		None		ULcert

ERP DATA (LOT11)

Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	2618	rpm	nopt
Efficiency level	35.4	p	N
Efficiency category	statisch		catefficiency
Input power of the motor at the energy efficiency optimum	0.12	kw	Pe, opt
Overall efficiency	55.5	p	ηges
Measurement category	A		meas cat
Fan pressure at energy efficiency optimum	303	Pa	pt, opt
Flowrate at energy efficiency optimum	542	CmH	Qv, opt

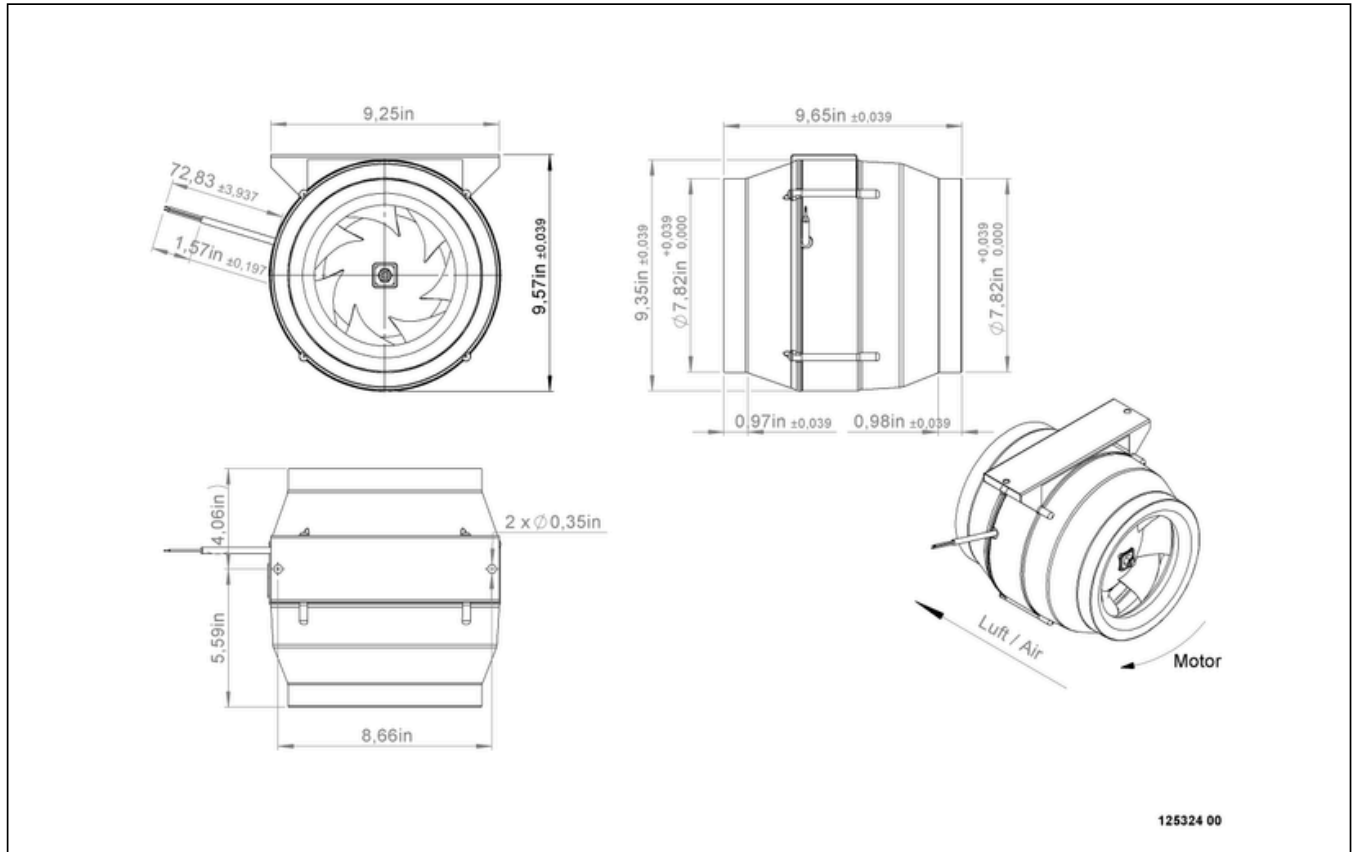
SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass



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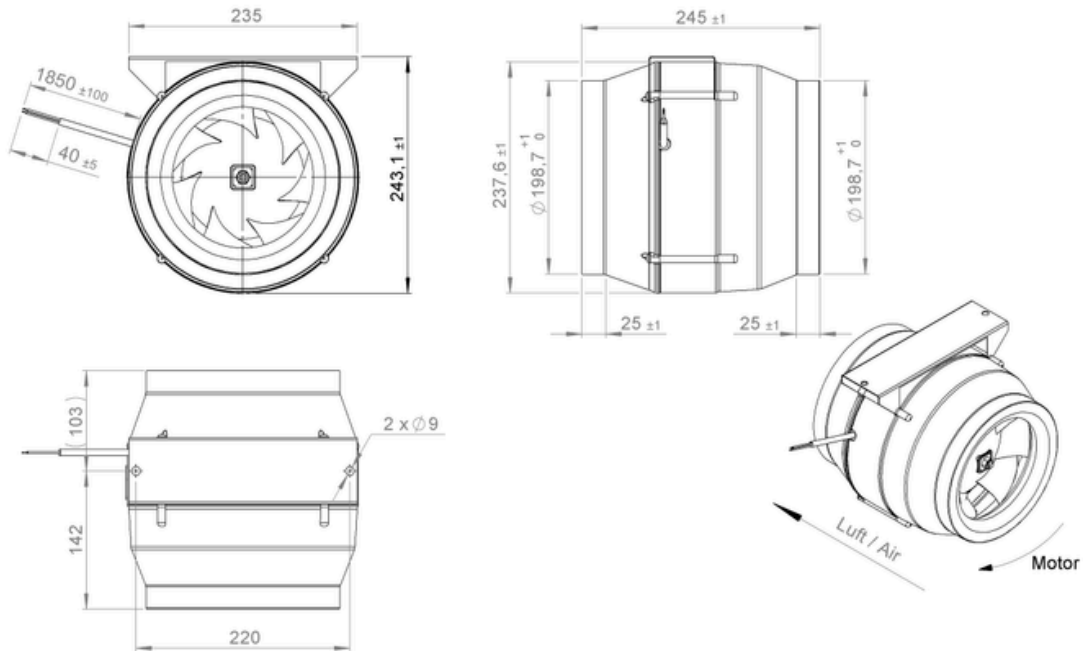
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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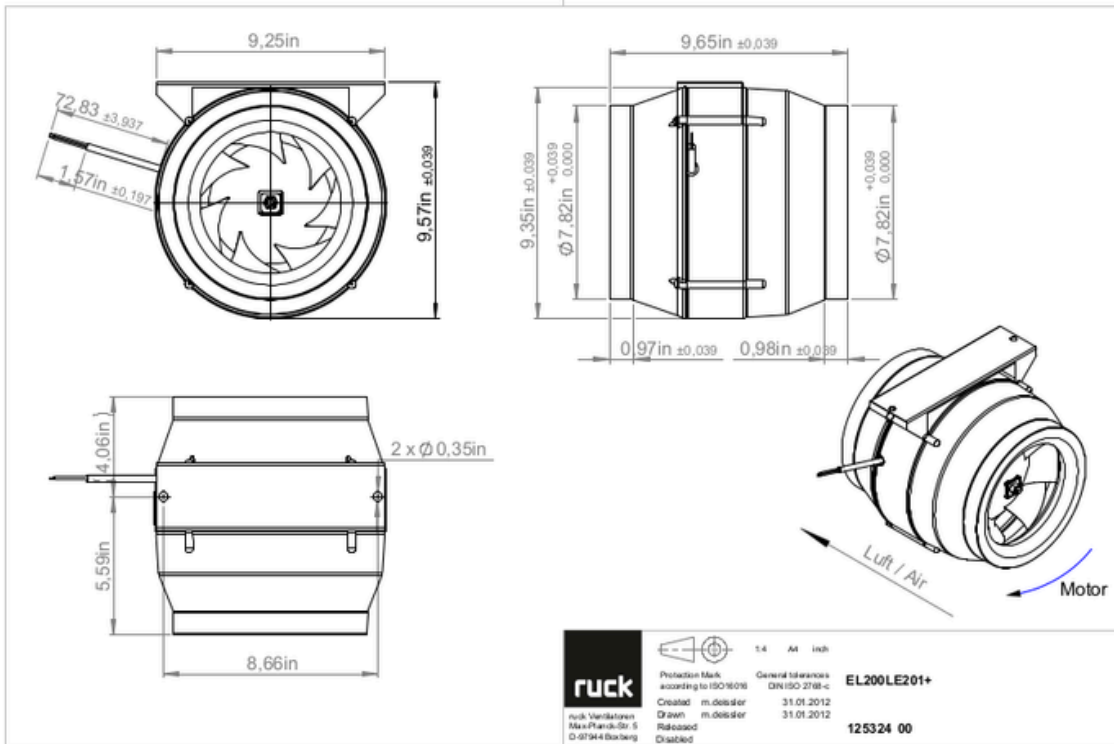
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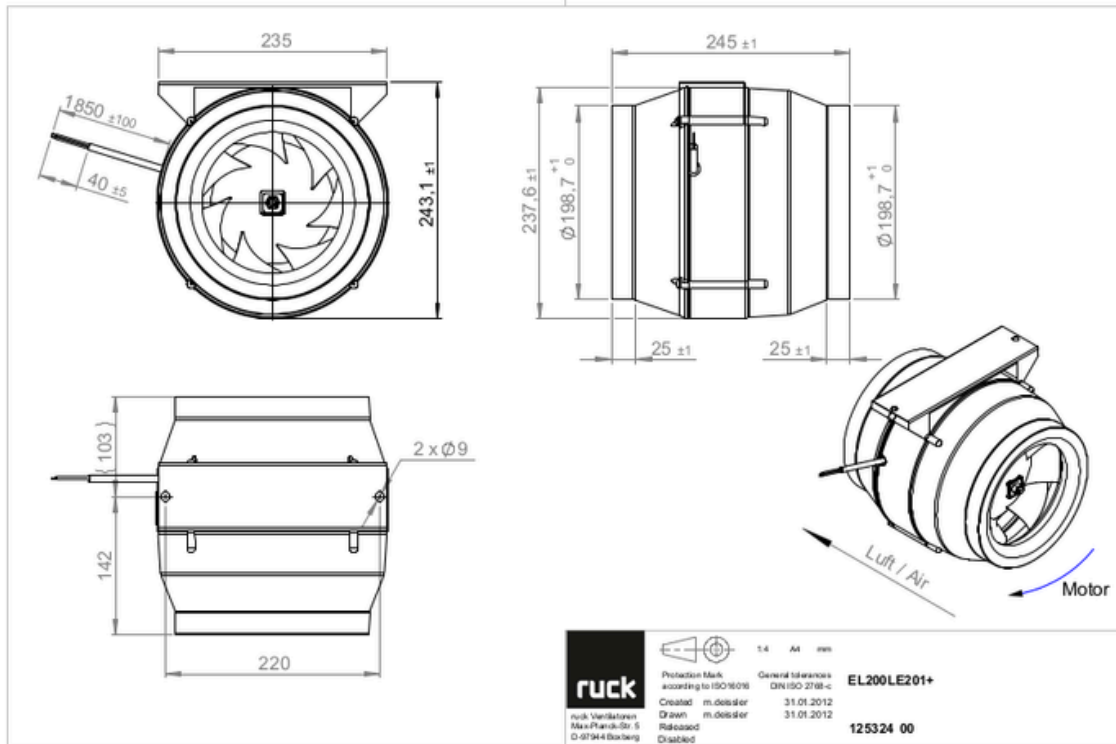
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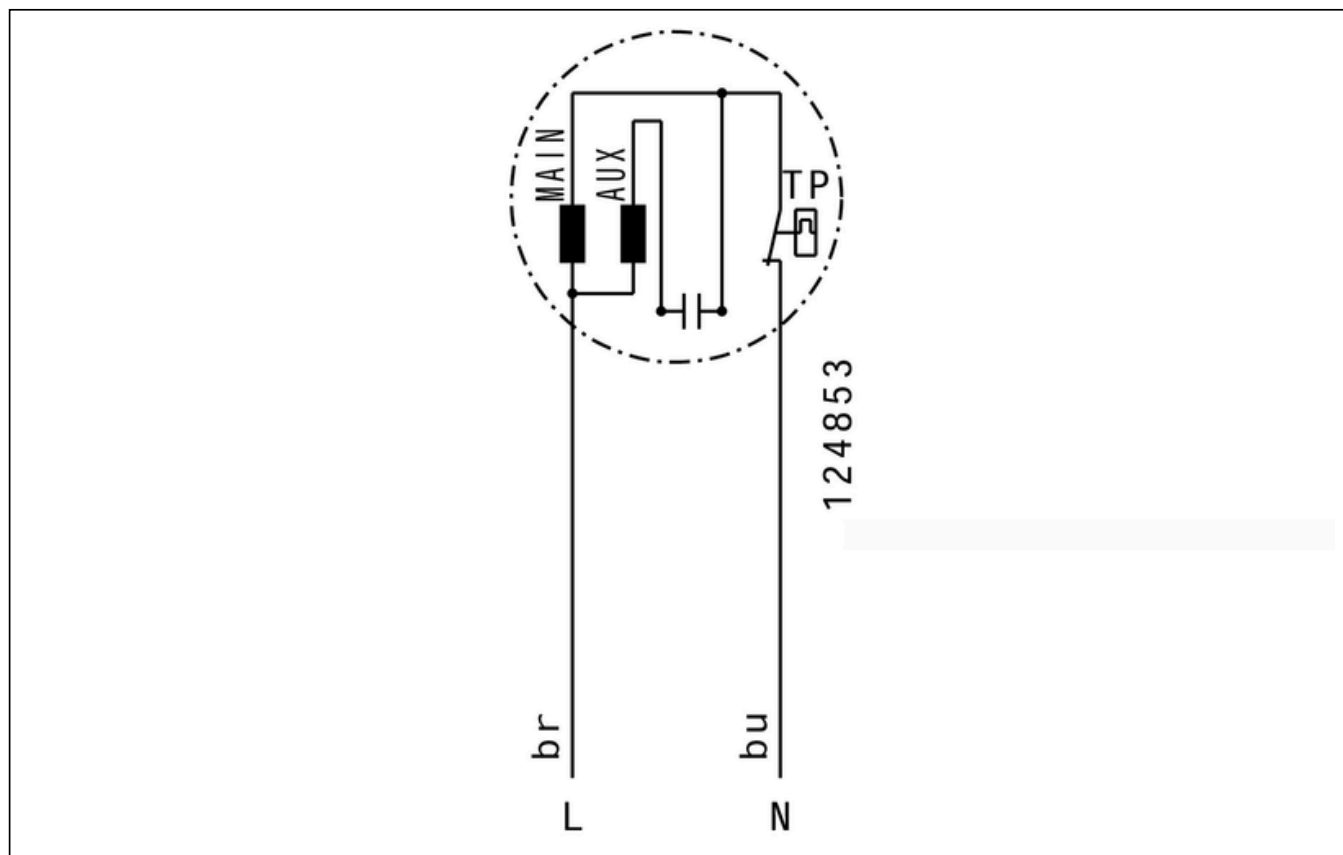
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