

EL 125 E2M 01

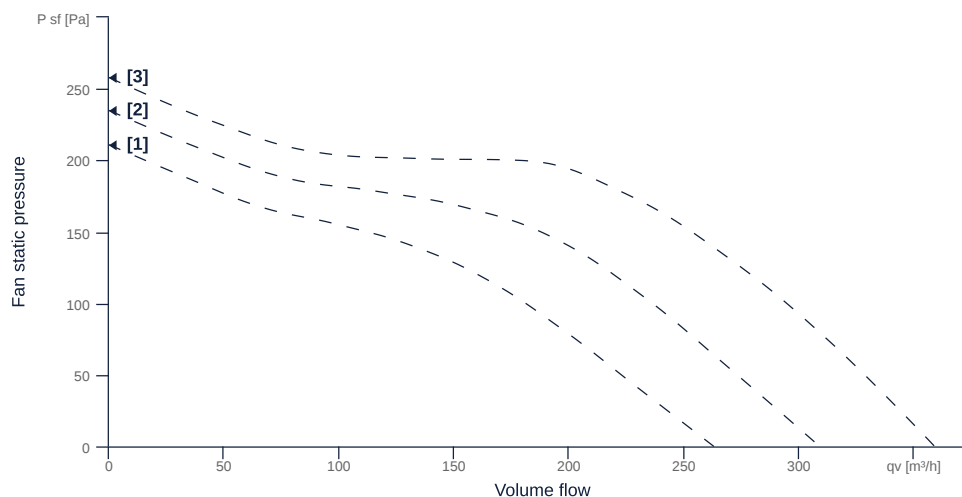
122230

- Innovative, high-efficiency diagonal fan
- Optimally tuned, CFD-optimized aerodynamics
- The benchmark for efficiency since 2007
- Robust AC motor, 3-steps controllable
- Conveyed medium temperature up to 80 °C in continuous operation
- Housing made of polyamide



FAN CURVES

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



to the product detail page

GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		WxH _{duct}
Pipe connection size (DN)	DN125		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	2.18	kg	m
Fan type	Diagonal		Fan _{type}
Category / Installation situation	A		cat

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	52	w	P _{ed, max}
Max. operating current (device)	0.24	A	I _{ed, max}
Max. speed	2840	rpm	n _{max}
Max. stat. efficiency	20.5	p	η _{es}
Max. fan efficiency	22.3	p	η _e
Max. flowrate	360	CmH	Q _{v, max}
Max. stat pressure	260	Pa	p _{sf, max}
Max. medium temperature	80	°C	T _{m, max}
Max. environment temperature	80	°C	T _{amb, max}
Min. environment temperature	-25	°C	T _{amb, min}
Min. voltage	230	v	U _{min}
Stall current	0.86	A	I _{LRA}



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		1.5	μF	Ccond
Voltage capacitor		450	v	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230		v	Urated, f1
Rated current	0.3		A	Irated, f1
UL-Certification motor		None		ULcert

ERP DATA (LOT11)

Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	2770	rpm	n _{opt}
Efficiency level	24.3	p	N
Efficiency category	statisch		catefficiency
Input power of the motor at the energy efficiency optimum	0.05	kw	P _{e, opt}
Overall efficiency	48.5	p	η _{ges}
Measurement category	A		meas cat
Fan pressure at energy efficiency optimum	183	Pa	p _{f, opt}
Flowrate at energy efficiency optimum	217	CmH	Q _{v, opt}

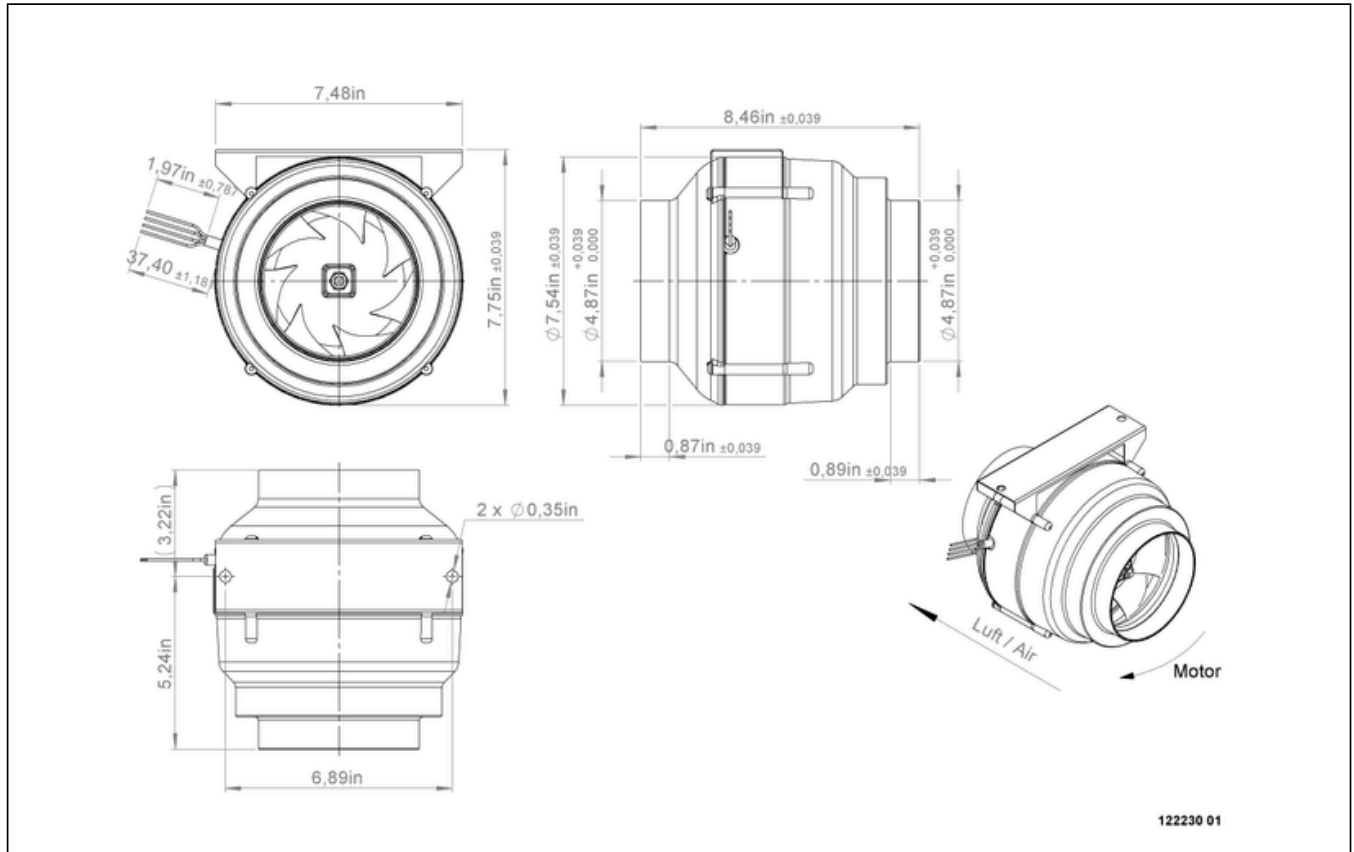
SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass



to the product detail page

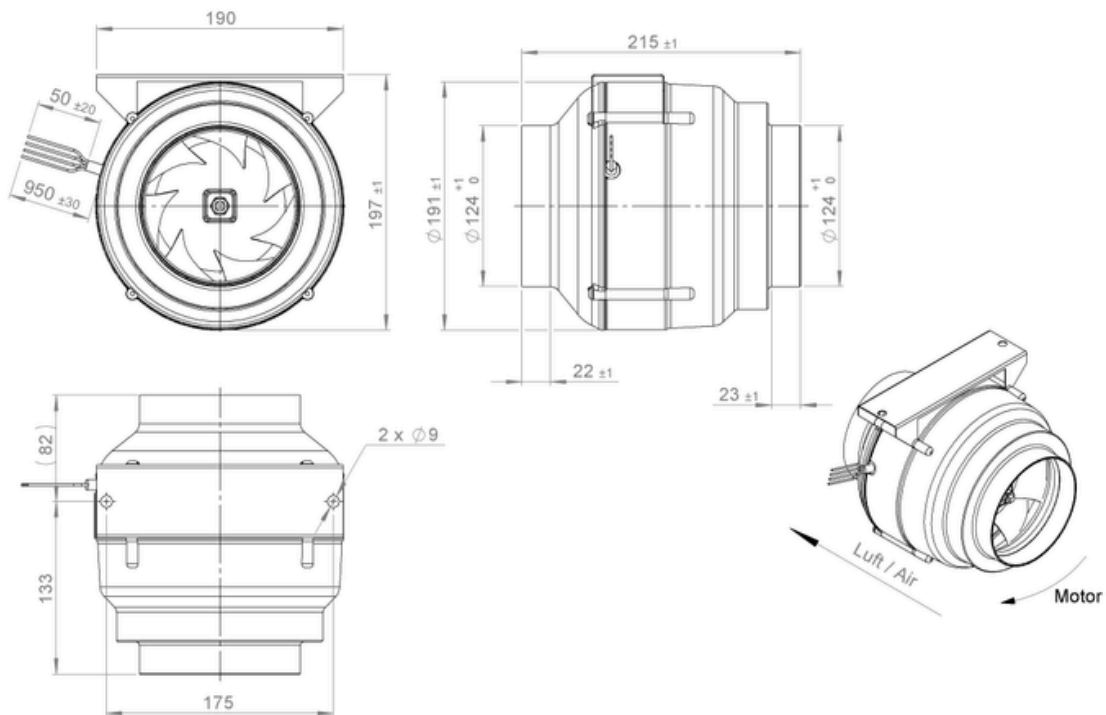
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



EL 125 E2M 01

122230

ruck



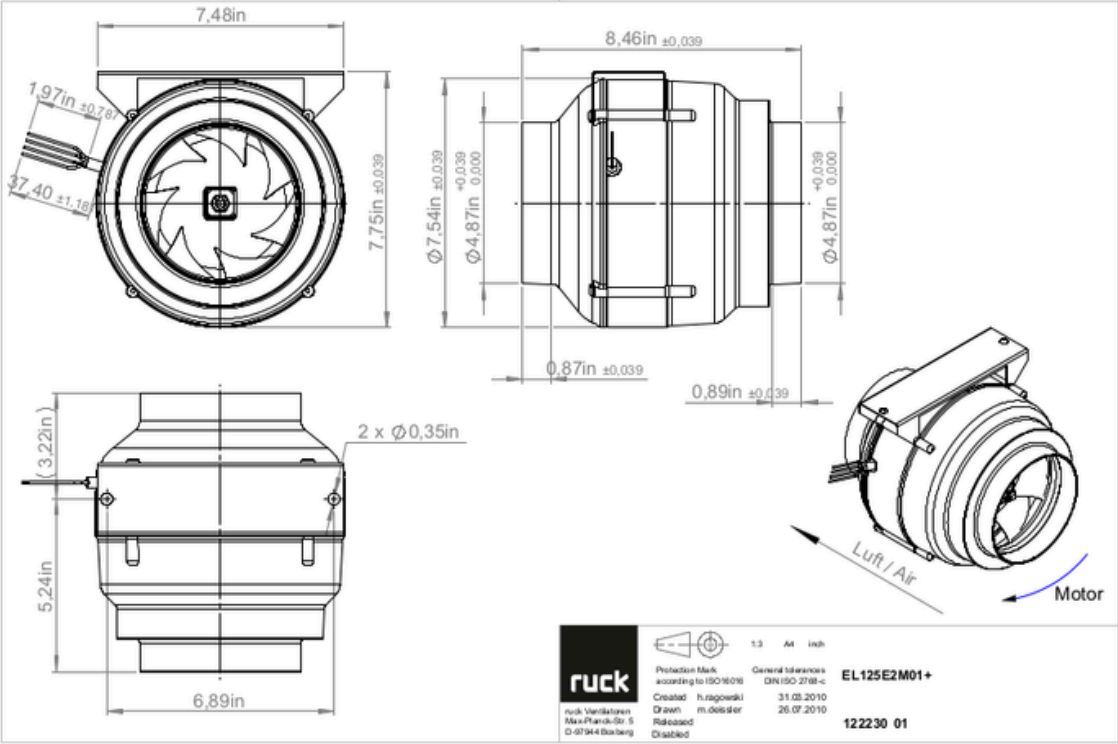
122230 01



to the product detail page

EL 125 E2M 01

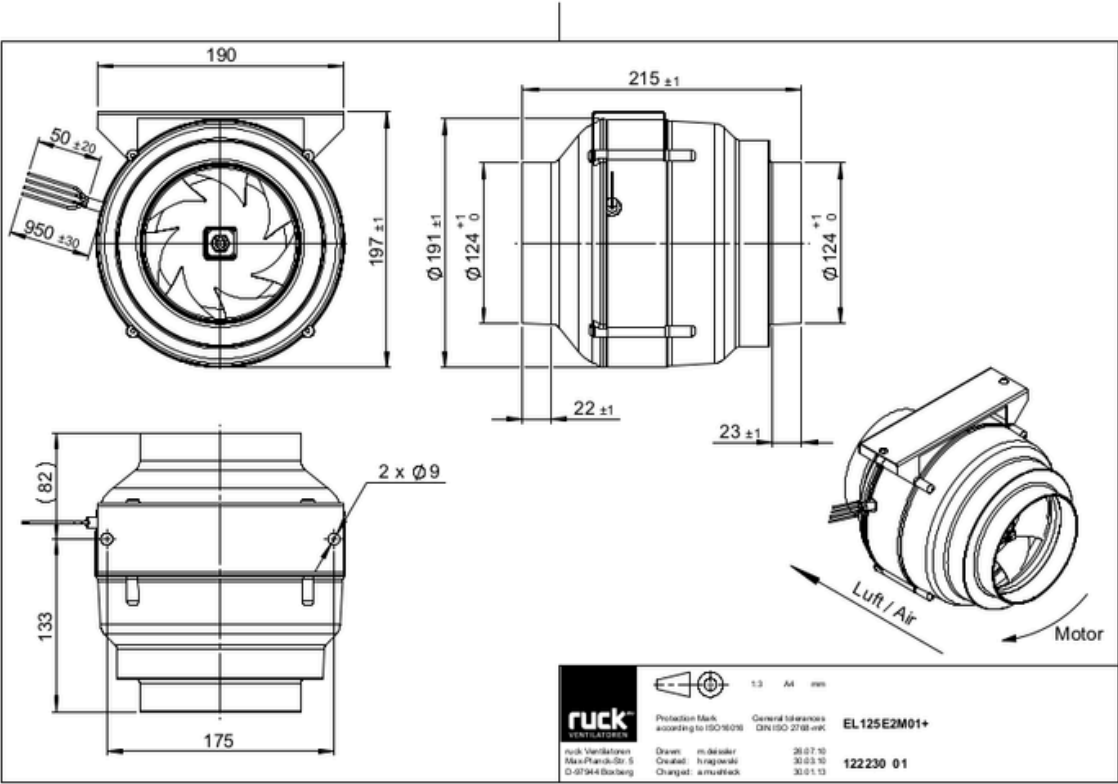
122230



to the product detail page

EL 125 E2M 01

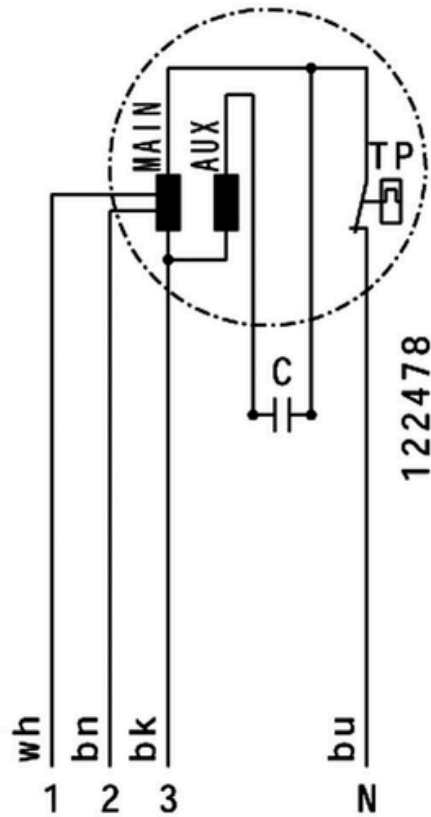
122230



to the product detail page

EL 125 E2M 01

122230



122478



to the product detail page