

EL 250 D2 01

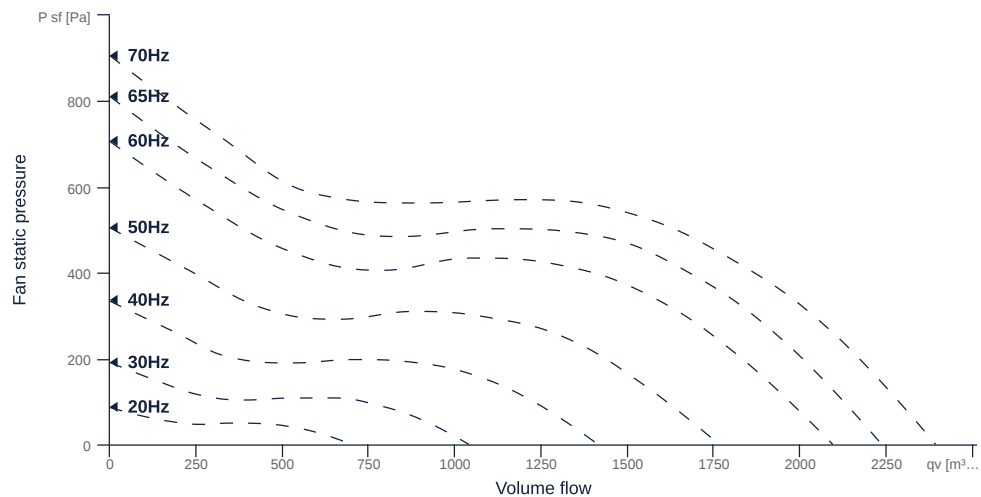
118980

- Innovative, high-efficiency diagonal fan
- The benchmark for efficiency since 2007
- Optimally tuned, CFD-optimized aerodynamics
- Efficient IE3 motor, frequency controllable
- Conveyed medium temperature up to 50 °C in continuous operation
- Housing made of galvanized steel sheet
- Attention! See note in the operating manual at FU-operation



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)	DN250		DN
Rated voltage (entire device)	230	v	U _{rated}
Phases (entire device)	3~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Galvanized steel		mat _{casing}
Impeller material	Plastic		mat _{impeller}
IP-protection class (entire device)	IPX4		IP _{compl}
Weight	6.6	kg	m
Fan type	Diagonal		Fan _{type}
Category / Installation situation	A		cat

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	450	w	P _{ed, max}
Max. operating current (device)	1.51	A	I _{ed, max}
Max. speed	3990	rpm	n _{max}
Max. stat. efficiency	51.6	p	η _{es}
Max. fan efficiency	55.9	p	η _e
Max. flowrate	2390	CmH	Q _{v, max}
Max. stat pressure	905	Pa	p _{sf, max}
Max. medium temperature	50	°C	T _{m, max}
Max. environment temperature	50	°C	T _{amb, max}
Min. environment temperature	-30	°C	T _{amb, min}



MOTOR DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		65		f
Motor type		AC 3~		phase
Control type		frequency-controlled		ctrltype
Installation type		IRM (In)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TAO		protectmotor
Protection class		IP00		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 3~		pwrsupmotor
Number of poles (1)		2.000000		num polesw1
Connection	Y			wiringw1
Rated voltage	230		v	Urated, f1
Rated current	1.6		A	Irated, f1
Speed	3600		rpm	n _{f1}
UL-Certification motor		None		ULcert

ERP DATA (LOT11)

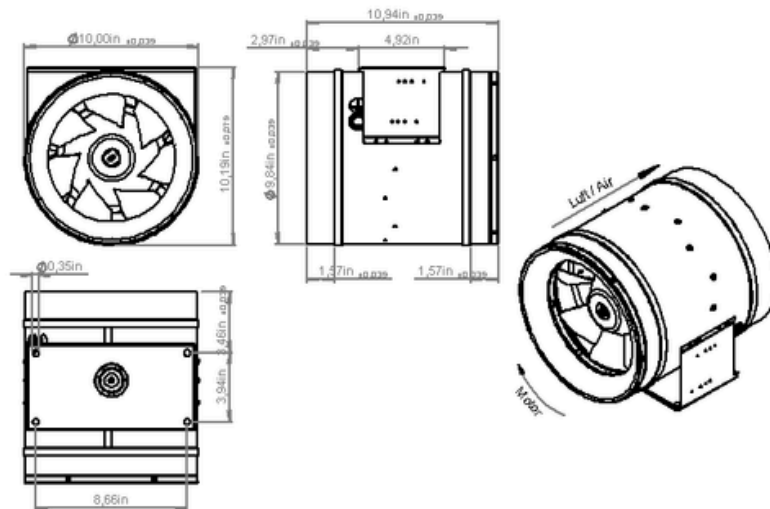
Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	3864	rpm	n _{opt}
Efficiency level	57.5	p	N
Efficiency category	statisch		catefficiency
Input power of the motor at the energy efficiency optimum	0.42	kw	P _{e, opt}
Overall efficiency	72	p	η _{ges}
Measurement category	A		meas cat
Fan pressure at energy efficiency optimum	544	Pa	p _{f, opt}
Flowrate at energy efficiency optimum	1476	CmH	Q _{v, opt}

SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass



CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS

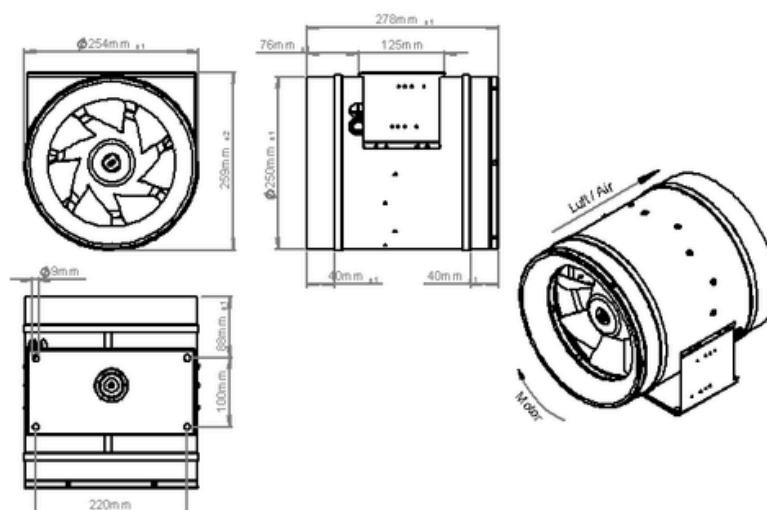


11898002



EL 250 D2 01

118980



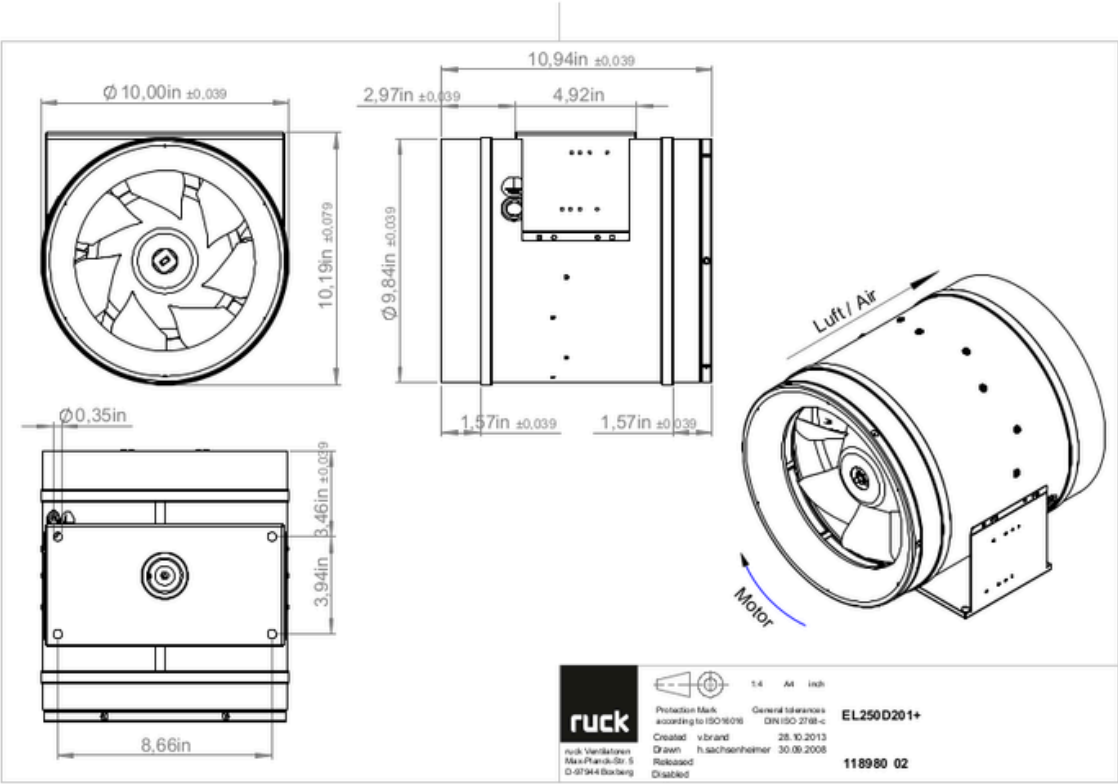
118980



to the product detail page

EL 250 D2 01

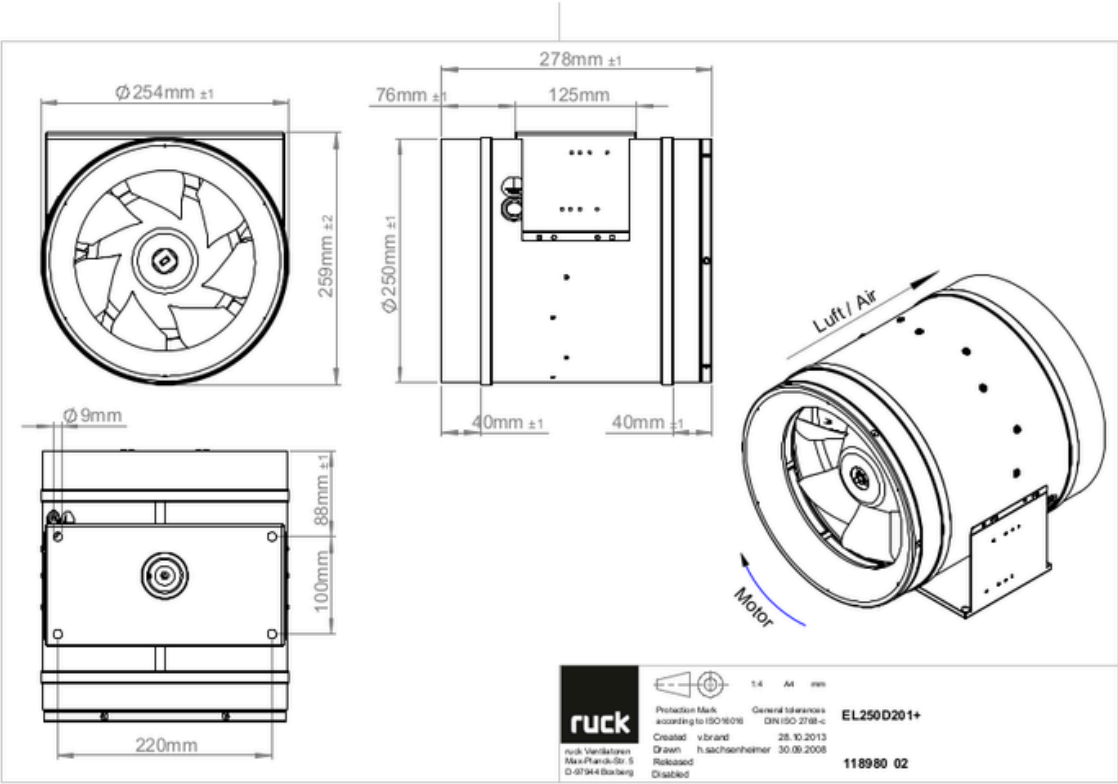
118980



to the product detail page

EL 250 D2 01

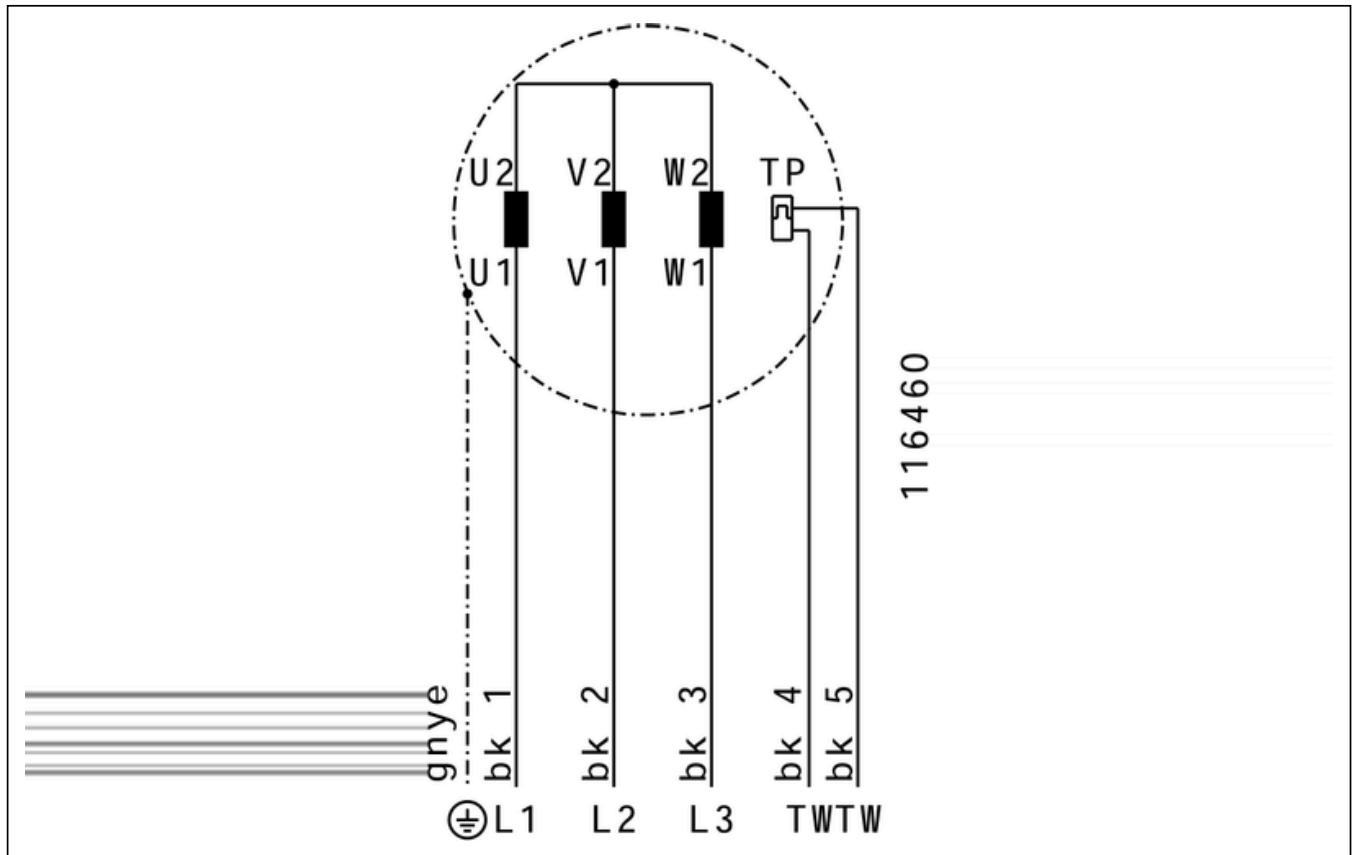
118980



to the product detail page

EL 250 D2 01

118980



to the product detail page