

EM 125 E2 01

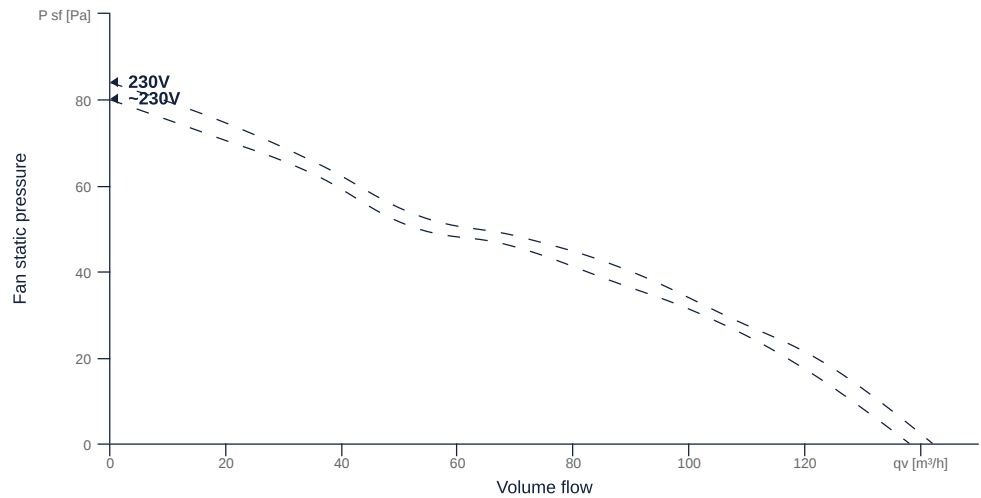
137550

- Innovative, high-efficiency diagonal fan
- Optimally tuned, CFD-optimized aerodynamics
- Housing made of impact-resistant, reinforced polypropylene
- Robust single phase AC motor
- Conveyed medium temperature up to 60 °C in continuous operation
- The benchmark for efficiency since 2012



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	-		$W \times H_{duct}$
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		matcasing
Impeller material	Plastic		matimpeller
IP-protection class (entire device)	IPX2		IPcompl
Weight	0.83	kg	m
Fan type	Diagonal		Fan _{type}
Category / Installation situation	A		cat

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	14	W	$P_{ed, max}$
Max. operating current (device)	0.22	A	$I_{ed, max}$
Max. speed	2590	1/min	n_{max}
Max. stat. efficiency	7.2	%	η_{es}
Max. fan efficiency	7.8	%	η_e
Max. flowrate	142	m ³ /h	Q_v, max
Max. stat pressure	84	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	$T_{amb, min}$
Min. voltage	207	V	U_{min}

[to the product detail page](#)

MOTOR DATA

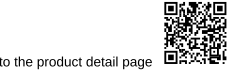
Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		Split pole		phase
Installation type		IRM (In)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Protection class		IP00		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Rated voltage	230		V	U _{rated, f1}
Rated current	0.09		A	I _{rated, f1}
Shaft power	13		W	P _{out, f1}
Speed	2800		1/min	n _{f1}
UL-Certification motor		None		ULcert

ERP DATA (LOT11)

Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	2498	1/min	n _{opt}
Efficiency level	7.4	%	N
Efficiency category	statisch		cat _{efficiency}
Input power of the motor at the energy efficiency optimum	0.01	kW	P _{e, opt}
Overall efficiency	37.7	%	η _{ges}
Measurement category	A		meas cat
Fan pressure at energy efficiency optimum	43	Pa	p _{f, opt}
Flowrate at energy efficiency optimum	87	m³/h	q _{v, opt}

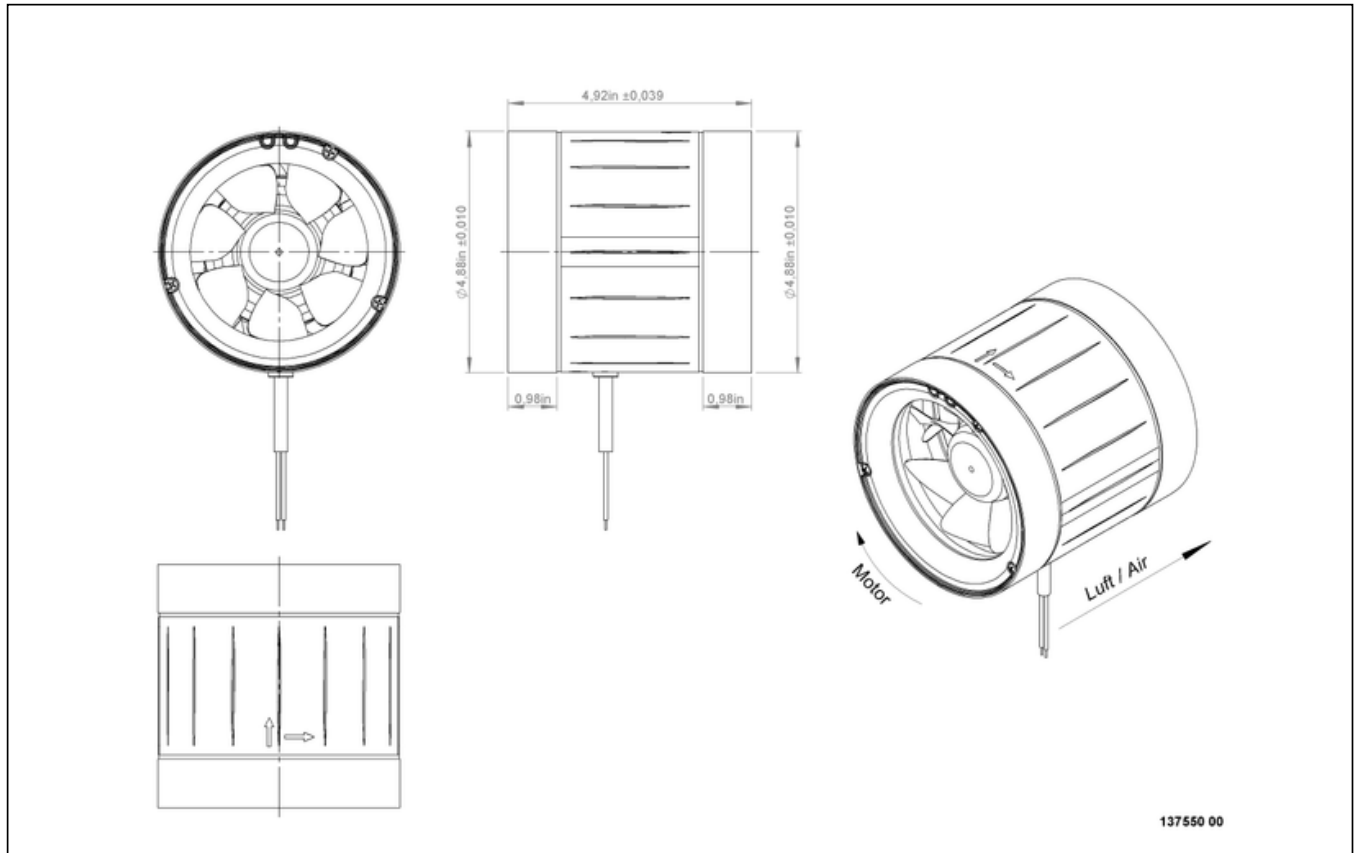
SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass



to the product detail page

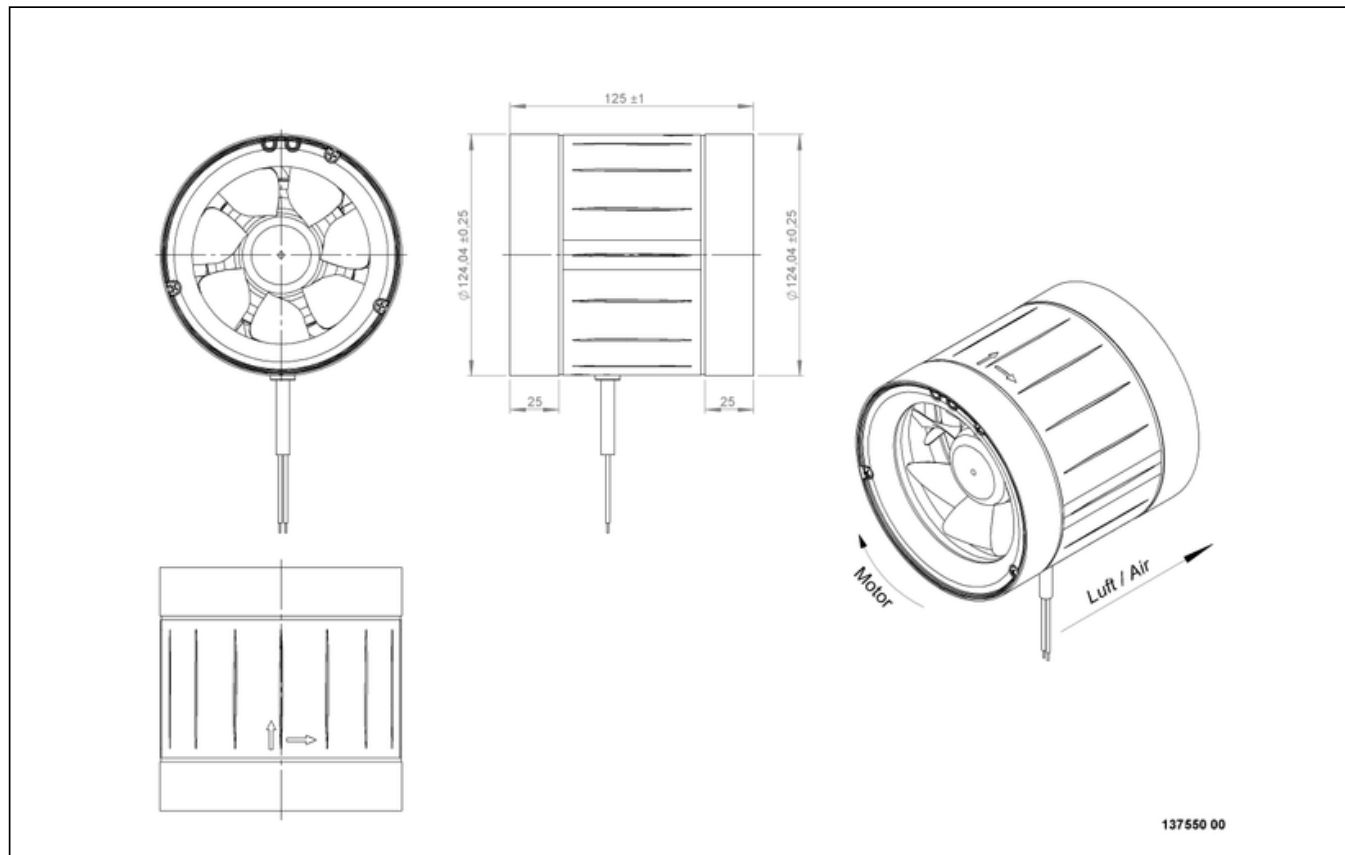
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



EM 125 E2 01

137550

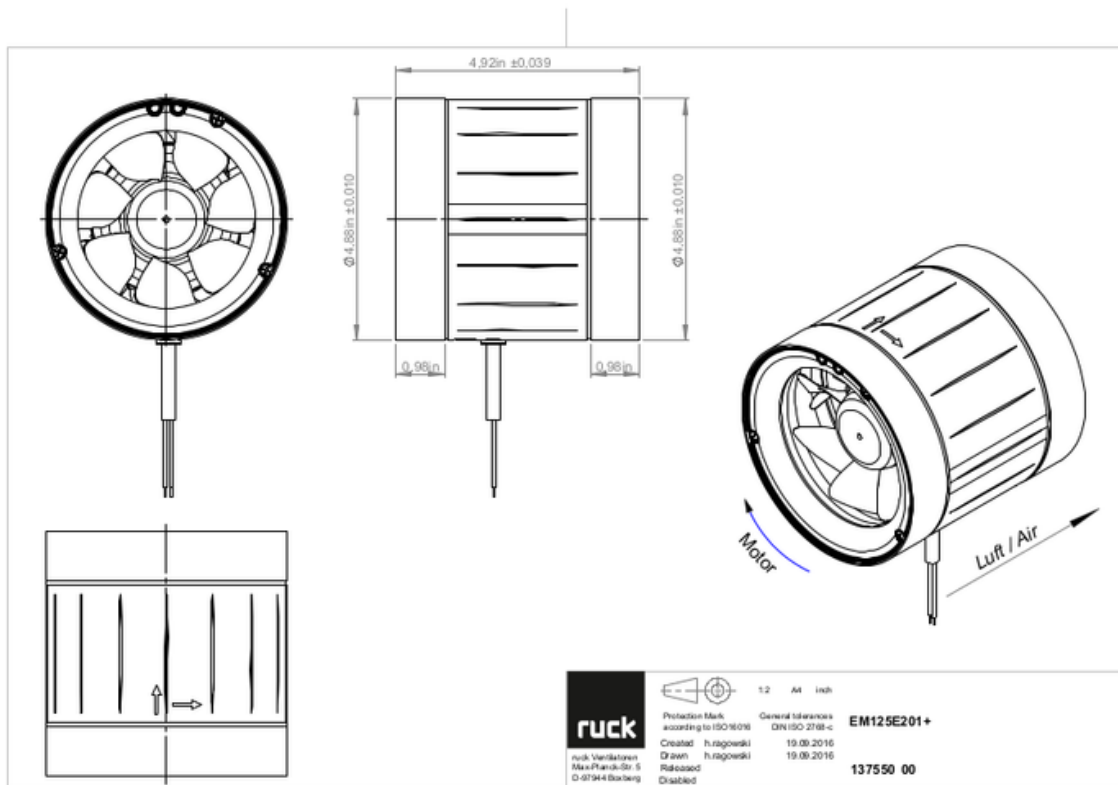
ruck



EM 125 E2 01

137550

ruck

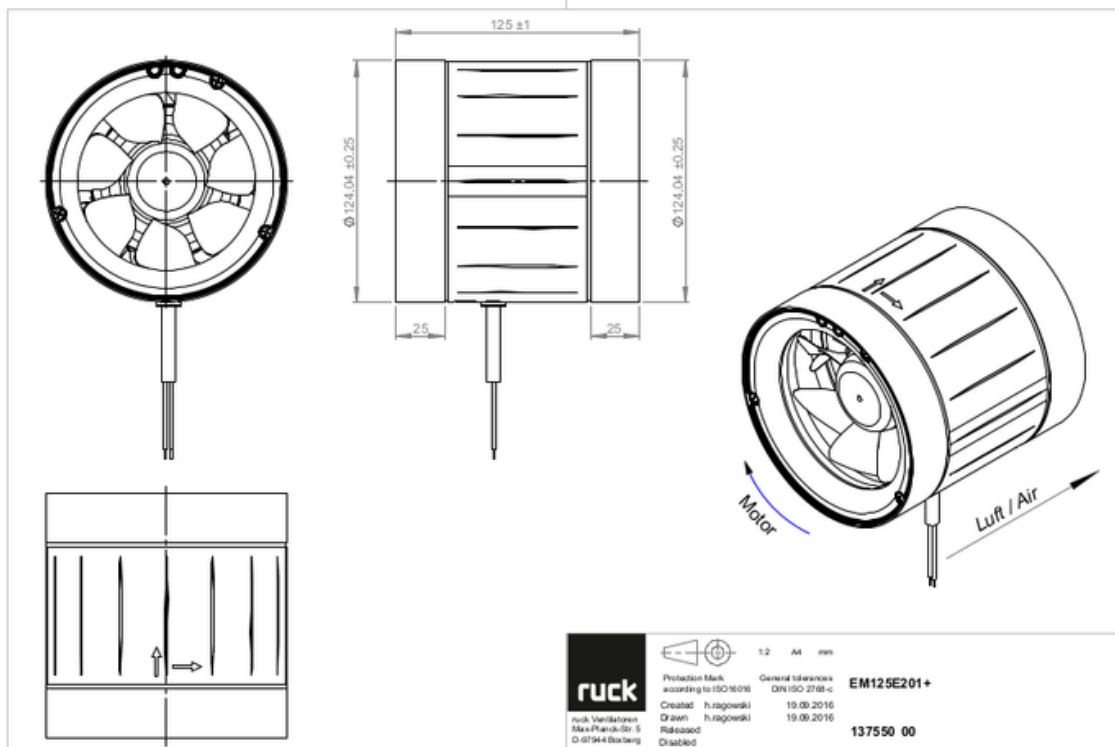


to the product detail page

EM 125 E2 01

137550

ruck

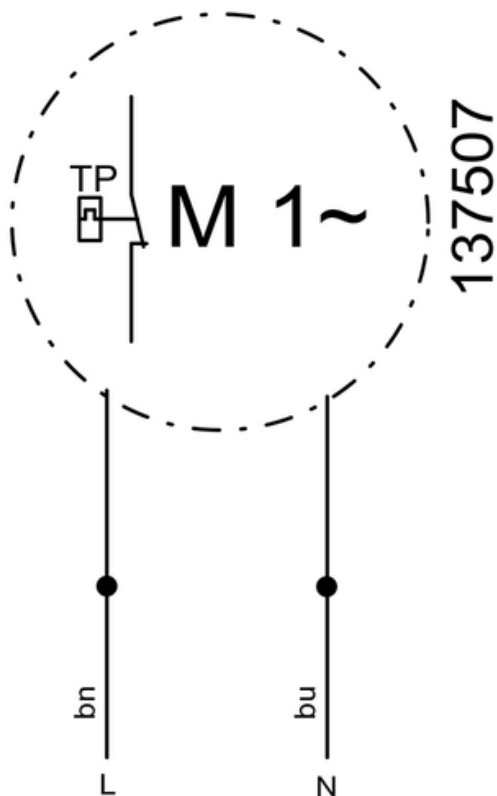


to the product detail page

EM 125 E2 01

137550

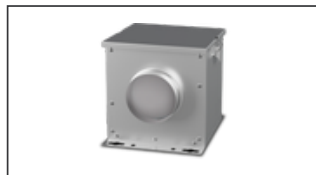
ruck



to the product detail page

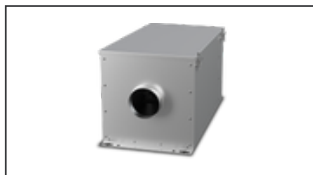
MECHANICAL ACCESSORIES

FV 125 | 112679



- Air filter box with mat filter ISO Coarse 45 % (G3)
- Toggle-type fastener

FT 125 | 112843



- Air filter box for pocket filter
- Toggle-type fastener
- Galvanized steel sheet housing
- Without filter

FTW 125 | 112850



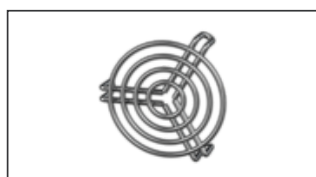
- Air filter box with pocket filter M5
- Integrated warm water heating coil
- Galvanized steel sheet housing
- Toggle-type fastener

RSK 125 | 102179



- Back draught shutter for tube fitting
- Galvanized steel sheet housing
- Aluminum flaps

SG 125 01 | 102895



- Protection grille for tube connection
- Galvanized wire

VM 125 | 102647



- Fast clamps for sound decoupling and sealing
- Galvanized steel sheet, 5 mm Neopren gasket
- 1 Pack = 2 pieces

RSK 125D | 113483



- Back draught shutter for tube fitting
- Galvanized steel sheet housing
- Aluminum flaps
- Integrated gasket

SDS 125 | 169603



- Rigid tube silencer
- Galvanized steel sheet
- Sound insulation packing 50 mm (mineral wool)

SDF 125 | 169640



- Flexible tube silencer
- Galvanized steel sheet
- Sound insulation packing 50 mm

ELECTRICAL ACCESSORIES

GS 03 | 107633



- Device switch
- Umax = 400 V, Imax = 25 A
- Switching capacity 400 V 3~ = 7,5 kW
- Protection class IP 55



to the product detail page