

RS 125L 20

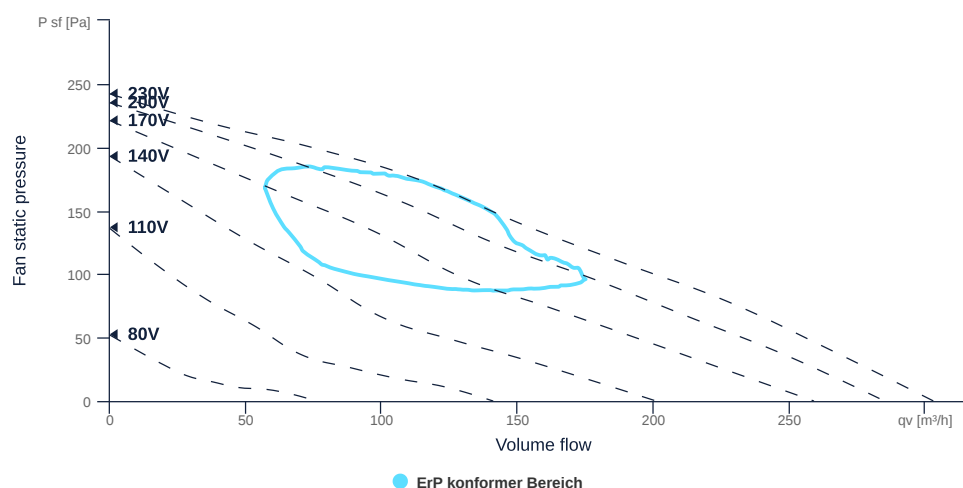
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- Compact centrifugal fan
- Backward curved impeller
- Sheet steel housing, RAL 7035, powder coated
- Robust single phase AC motor, steplessly controllable
- Conveyed medium temperature up to 60 °C in continuous operation
- Integrated thermal switch



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)	DN125		DN
Rated voltage (entire device)	230	v	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Steel		mat _{casing}
Impeller material	Plastic		mat _{impeller}
IP-protection class (casing)	IPX4		IP _{casing}
IP-protection class (entire device)	IPX4		IP _{compl}
IP-Protection class (terminal box)	IP44		IP _{ebox}
Weight	2.68	kg	m
Nominal air flow rate, nominal point m³/h	176.4	CmH	q _{v,nom}
Nominal external pressure, static	96	Pa	p _{s,nom}
Fan type	Radial		Fan _{type}
Category / Installation situation	A		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m³/s	0.05	CmS	q _{v,nom}
Actual electrical input power, nominal point	0.03	kw	P _{e,nom}
Face velocity, nominal point	3.96	mps	v _{nom}
Nominal external pressure, static	96	Pa	p _{s,nom}
static efficiency of the extract fan, nominal point	19.02	p	η _{es,EHA}
Highest external air leakage rate	0.93	p	
Enclosure sound level, nominal point	43.49	db	LWA2
Rating	Product is compliant 2018		



MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	28	34	w	P _{ed, max}
Max. operating current (device)	0.23	0.26	A	I _{ed, max}
Max. speed	2730	3180	rpm	n _{max}
Max. stat. efficiency	20.3	21.6	p	η _{es}
Max. fan efficiency	21.3	22.8	p	η _e
Max. flowrate	300	340	CmH	q _{v, max}
Max. stat pressure	240	330	Pa	p _{sf, max}
Max. medium temperature	60	60	°C	T _{m, max}
Max. environment temperature	60	60	°C	T _{amb, max}
Min. environment temperature	-25	-25	°C	T _{amb, min}
Min. voltage	80	80	v	U _{min}
Stall current	0.27	0.27	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		stepless-controlled		ctrltype
Installation type		ORM (Out)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TAI		protect _{motor}
Protection class		IP33		IP _{motor}
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwr _{sup} _{motor}
Capacity capacitor		1.5	μF	C _{cond}
Voltage capacitor		400	v	VU _{cond}
Number of poles (1)		2.000000		num poles _{w1}
Rated voltage	230		v	U _{rated, f1}
Rated current	0.17		A	I _{rated, f1}
Nominal power	30		w	P _a
Speed	2673		rpm	n _{f1}
Min. temperature	-30		°C	T _{motor, min}
Cos Phi	0.870000	0.000000		cos φ
UL-Certification motor		None		UL _{cert}



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SMOKE EXTRACT DATA

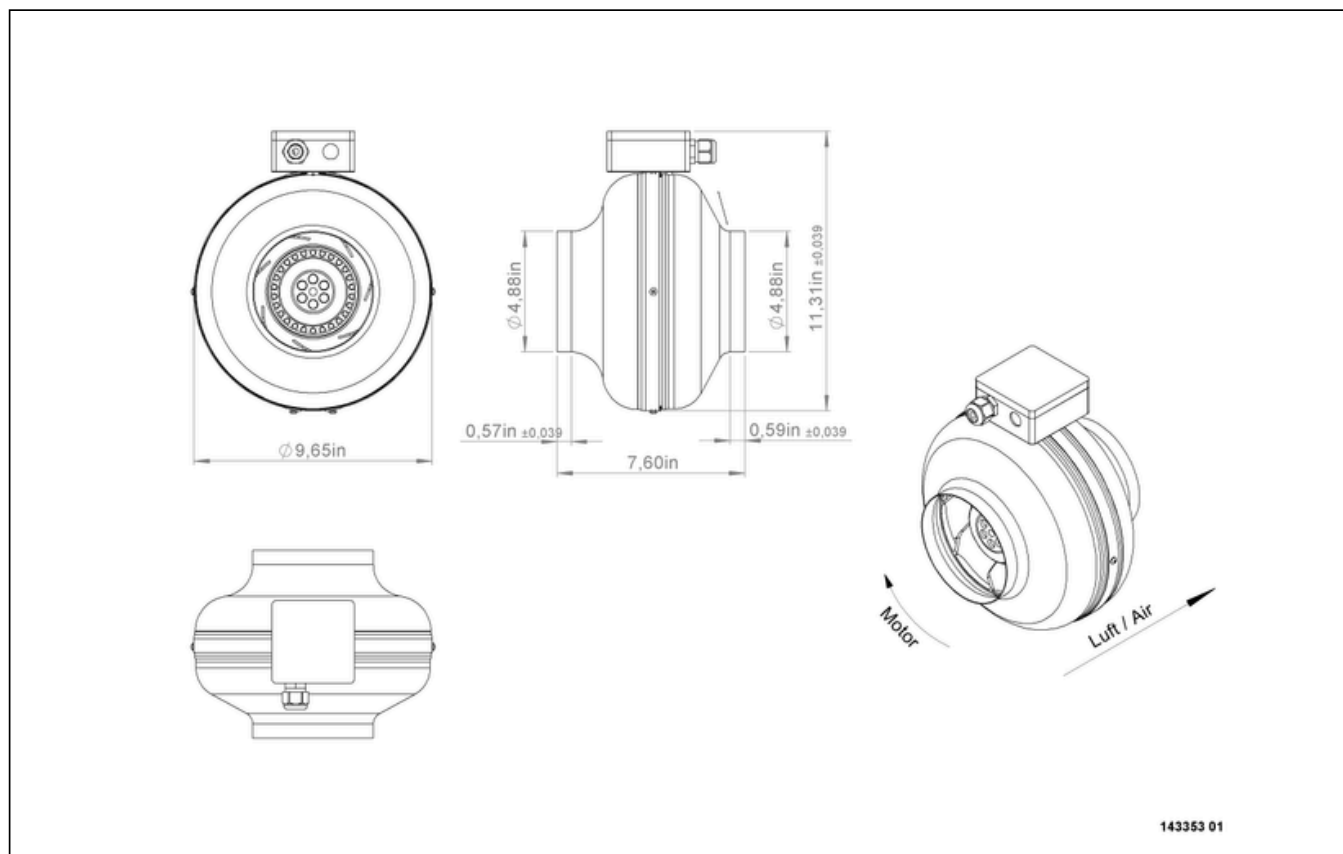
Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass



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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS

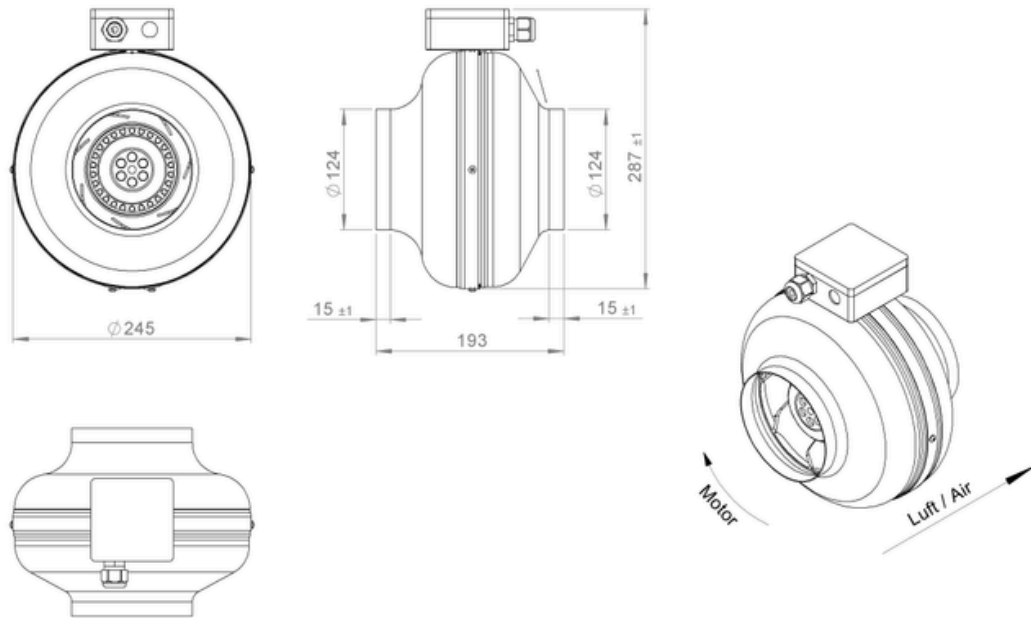


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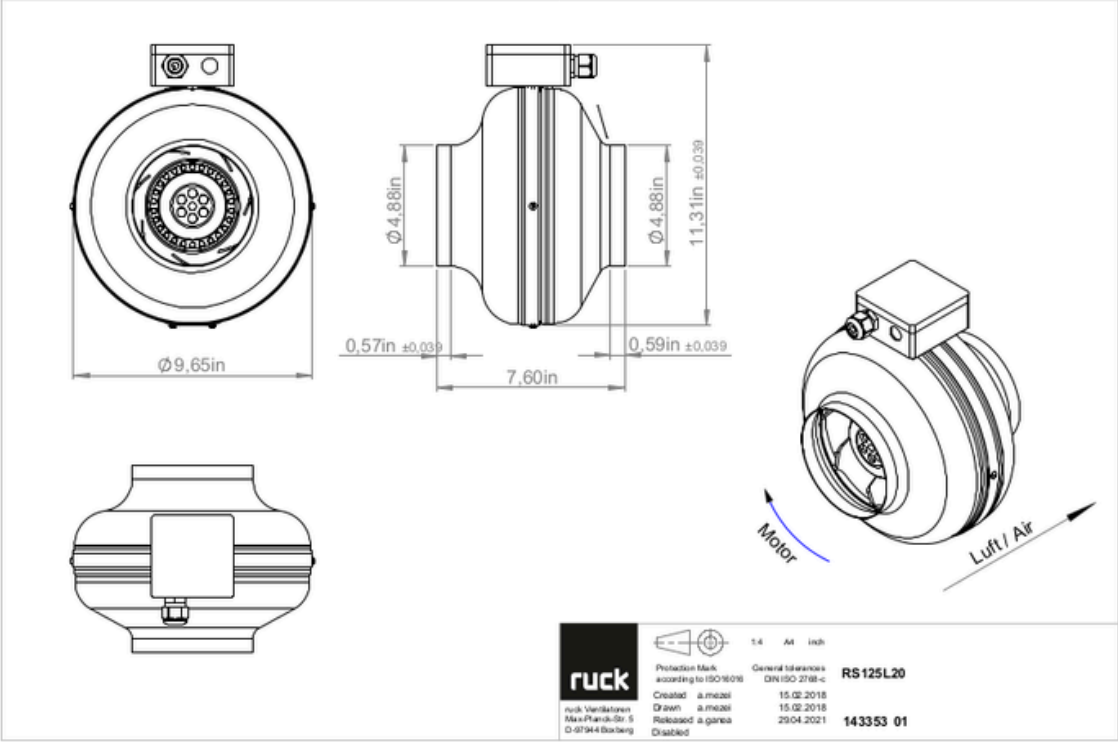


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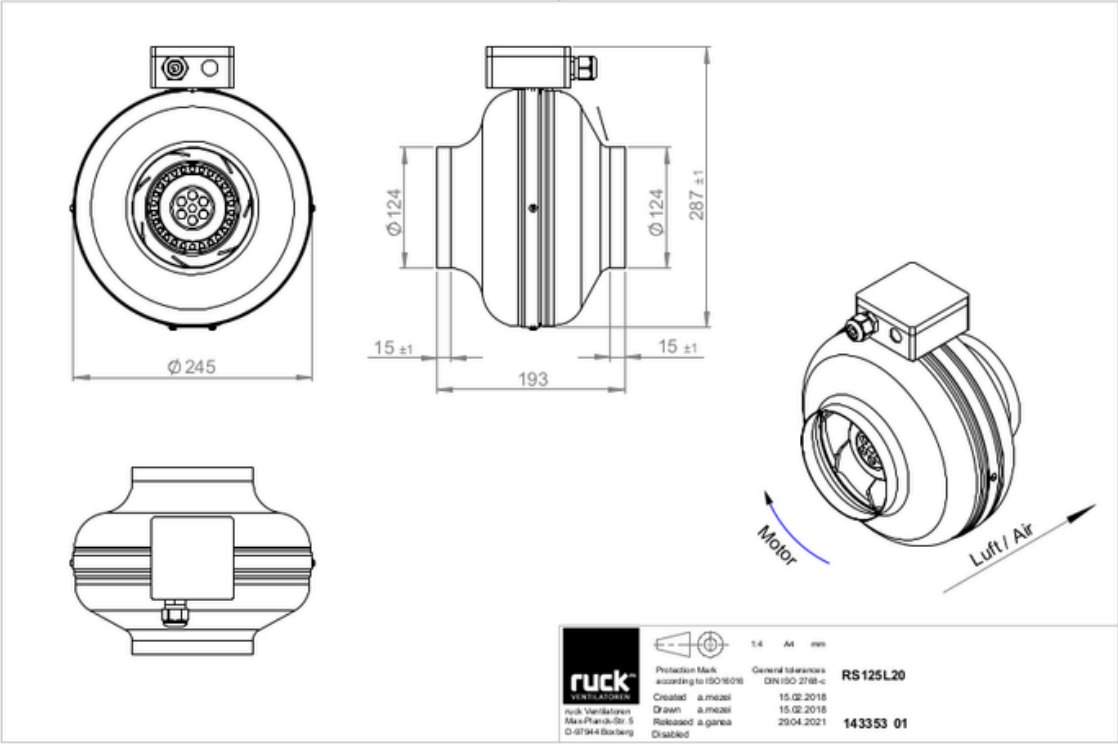
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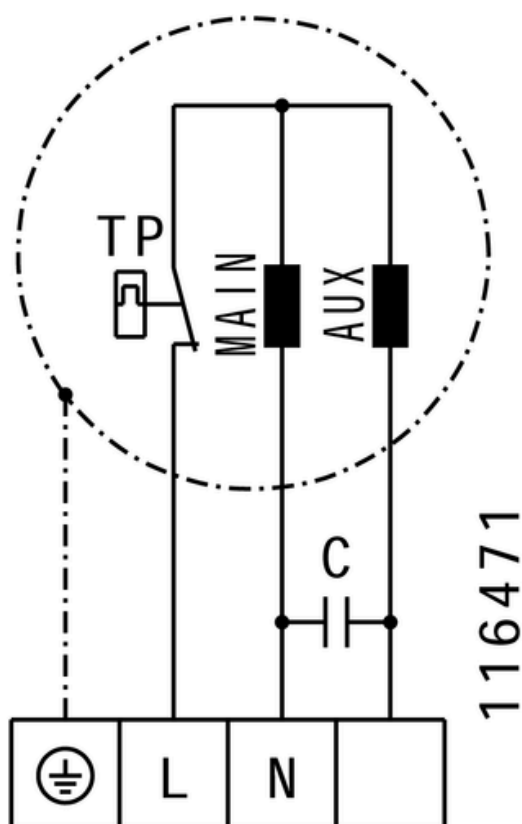
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MECHANICAL ACCESSORIES

RSK 125 | 102179



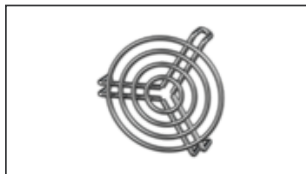
- Back draught shutter for tube fitting
- Galvanized steel sheet housing
- Aluminum flaps

VM 125 | 102647



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

SG 125 01 | 102895



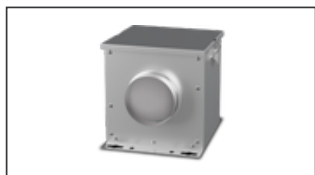
- Protection grille for tube connection
- Galvanized wire

MRS 1 | 110094



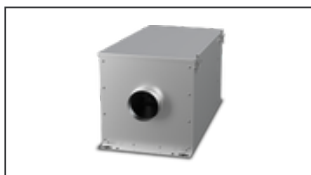
- Mounting bracket
- Galvanized steel sheet
- Includes: Mounting bracket and 2 Phillips screws (6 x 45 mm), 2 dowels (8 x 40 mm)

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 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 01 | 102787



- Isolator switch
- $U_{max} = 400\text{ V}$, 50/60 Hz
- Switching capacity 400 V 3~ = 7,5 kW
- $I_{max} = 25\text{ A}$

MTY 1 | 103428



- Electronic controller
- Stepless
- 230 V ~, 50 Hz
- Max. ambient temperature 35 °C
- $I_{max} = 1\text{ A}$
- Surface and flush mounting

ETY 15 | 115891



- Electronic controller
- Stepless speed control
- 230 V ~, 50 Hz, 2,5 A
- Max. ambient temperature 35 °C

TEE 015 | 115893



- 5-step transformer
- 230 V ~, 50/60 Hz

TES 0145 | 169581



- Step transformer
- 230 V ~, 50/60 Hz

