

RS 200

104209

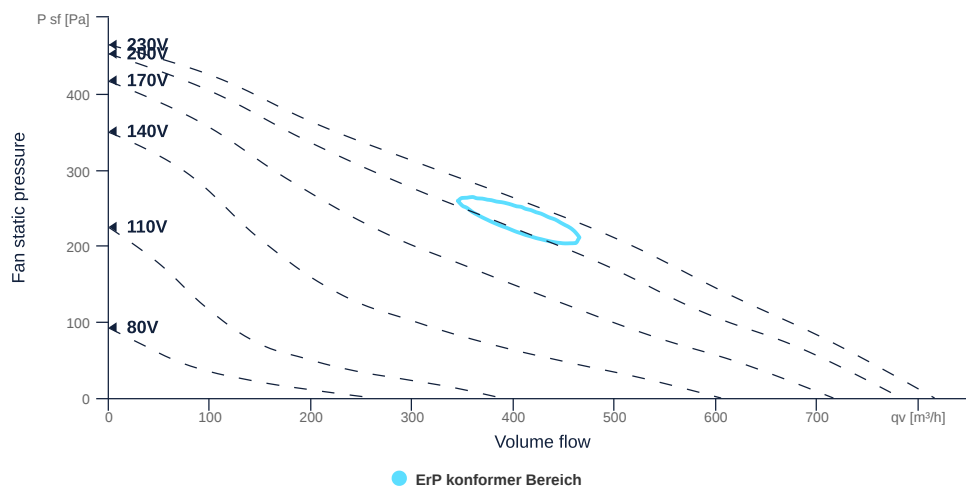
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- Compact centrifugal fan
- Backward curved impeller
- Sheet steel housing, RAL 7035, powder coated
- Robust single phase AC motor, steplessly controllable
- Conveyed medium temperature up to 70 °C in continuous operation
- Integrated thermal switch



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)	DN200		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	4.05	kg	m
Nominal air flow rate, nominal point m³/h	468	CmH	qV _{nom}
Nominal external pressure, static	228	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	0.13	CmS	QV _{nom}
Actual electrical input power, nominal point	0.1	kw	Pe _{nom}
Face velocity, nominal point	4.15	mps	V _{nom}
Nominal external pressure, static	228	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	31.8	p	η _{es,SUP}
Highest external air leakage rate	0.2	p	
Enclosure sound level, nominal point	59	db	LWA2
Rating	Product is compliant 2018		



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MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	100	130	w	P _{ed, max}
Max. operating current (device)	0.46	0.6	A	I _{ed, max}
Max. speed	2720	3110	rpm	n _{max}
Max. stat. efficiency	27.9	24.1	p	η _{es}
Max. fan efficiency	28.9	25.1	p	η _e
Max. flowrate	810	880	CmH	q _{v, max}
Max. stat pressure	460	610	Pa	p _{sf, max}
Max. medium temperature	70	80	°C	T _{m, max}
Max. environment temperature	70	80	°C	T _{amb, max}
Min. environment temperature	-25	-25	°C	T _{amb, min}
Min. voltage	80	80	v	U _{min}
Stall current	0.77	0.75	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		2.5	μF	C _{cond}
Voltage capacitor		450	v	VU _{cond}
Number of poles (1)		2.000000		num poles _{w1}
Rated voltage	230	230	v	U _{rated, f1}
Rated current	0.43	0.55	A	I _{rated, f1}
Speed	2390	2460	rpm	n _{f1}
Starting current	0.73	0.72	A	I _{start, f1}
Efficiency	47.3	21.5	p	η _{m, f1}
Min. temperature	-30	-30	°C	T _{motor, min}
Cos Phi	0.980000	0.980000		cos φ
UL-Certification motor		None		UL _{cert}



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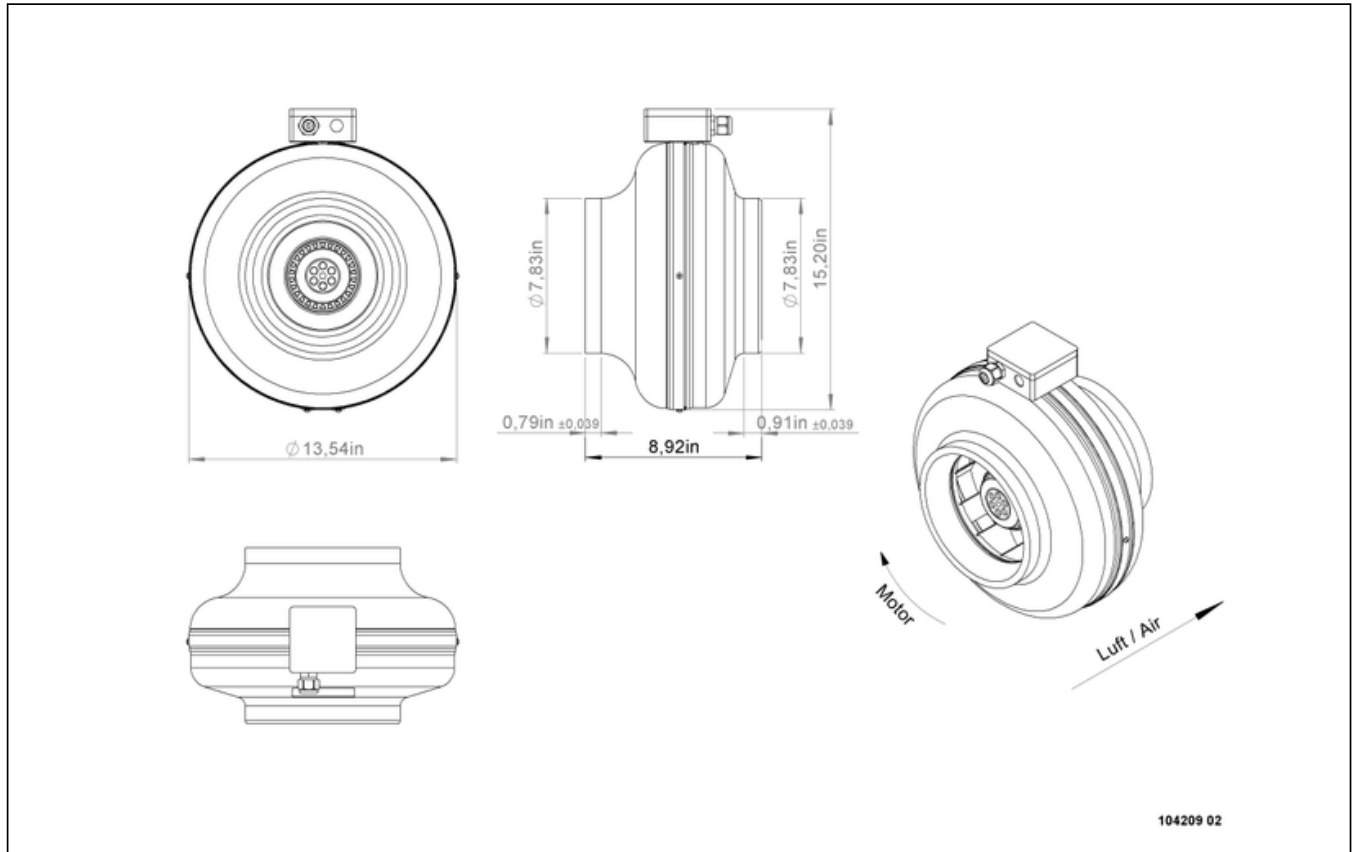
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SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass

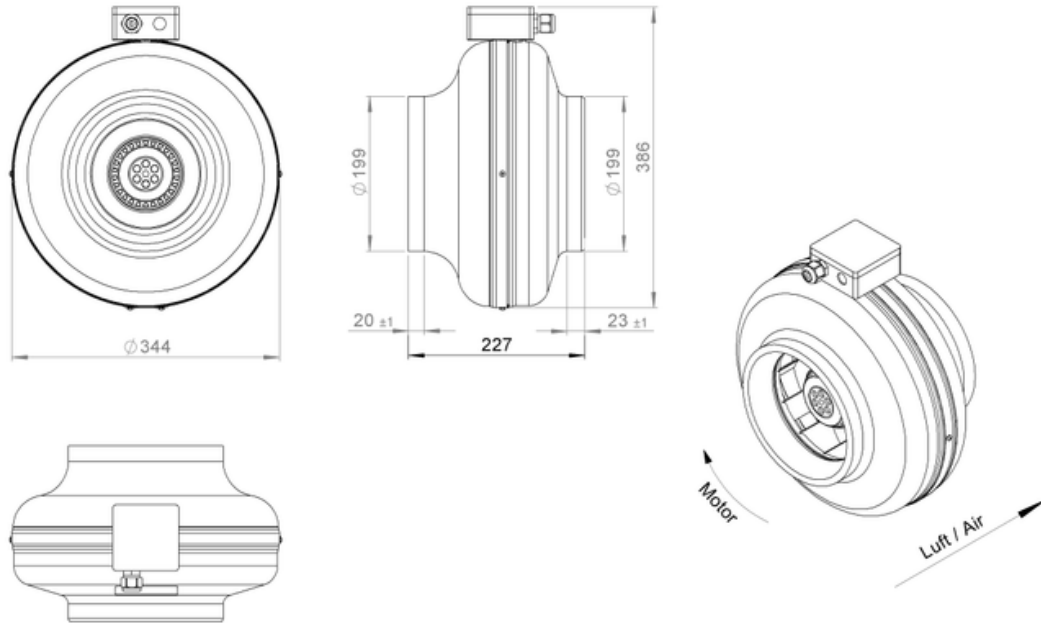
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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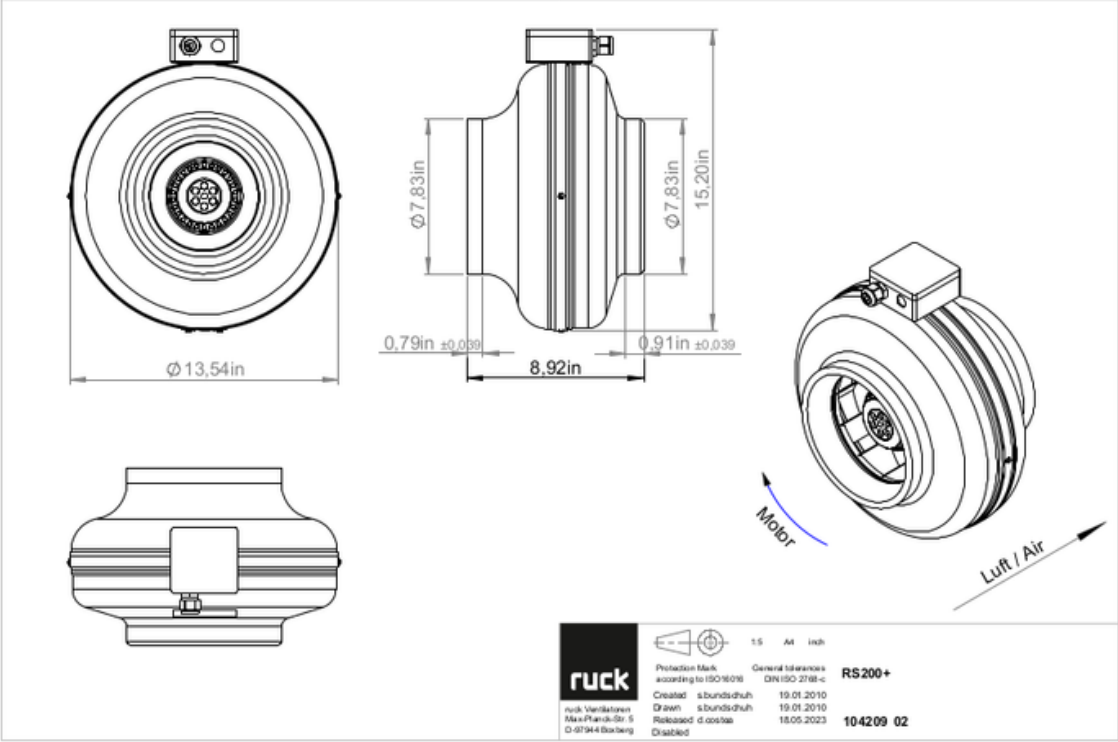


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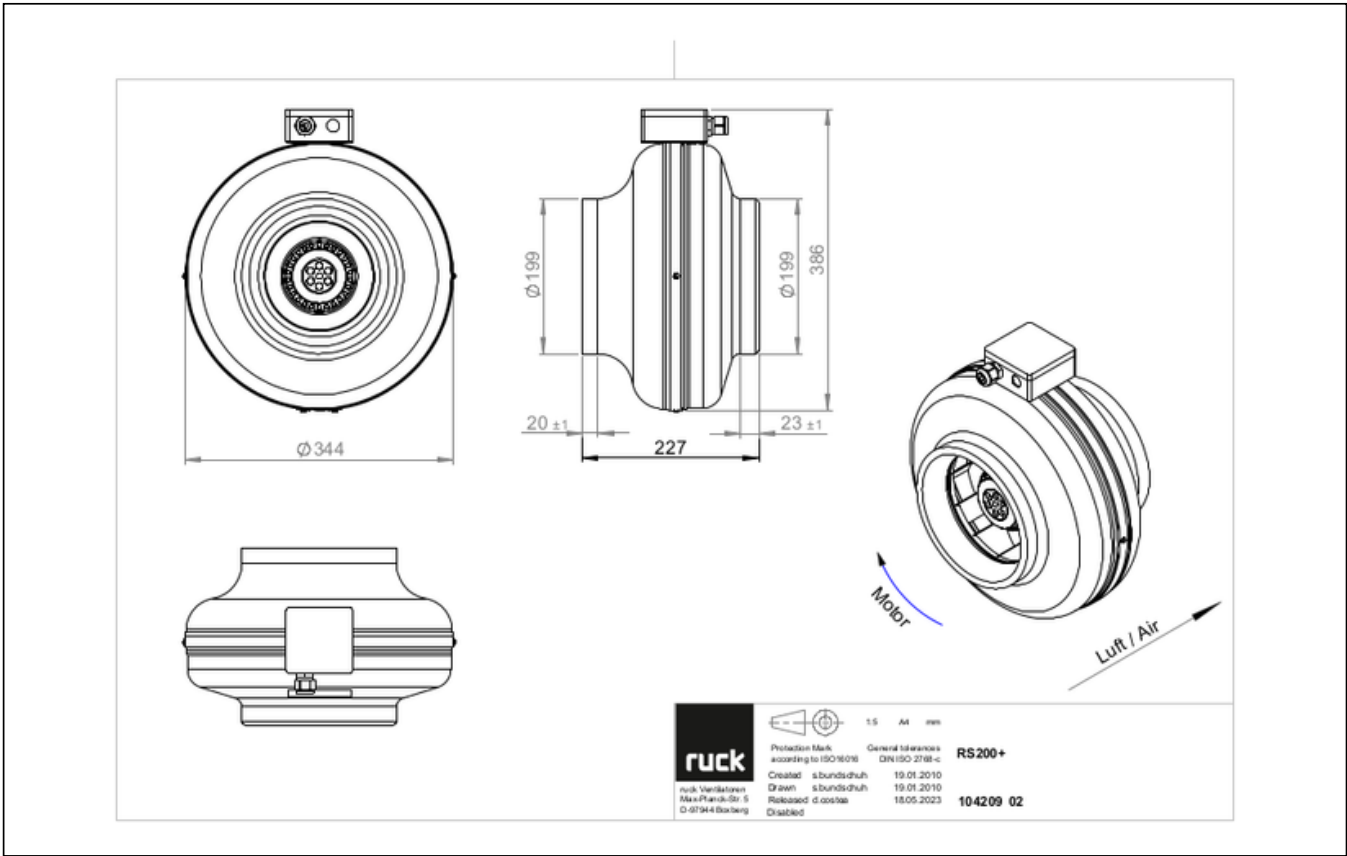
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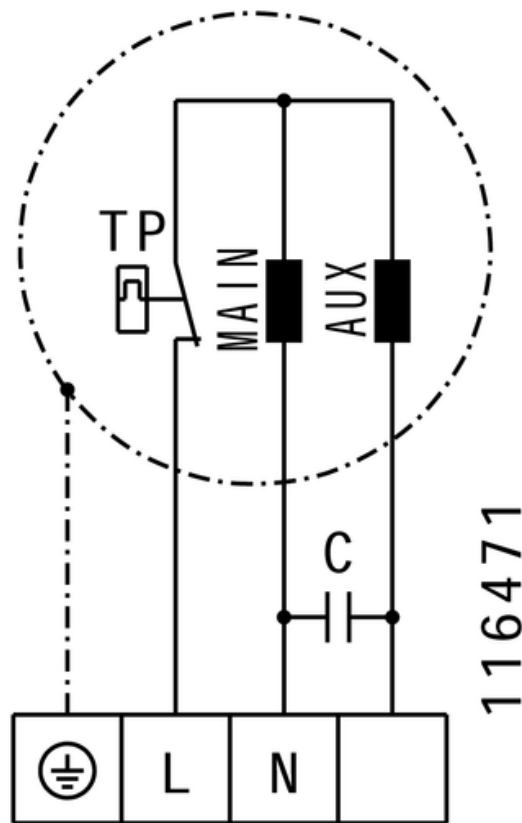


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MECHANICAL ACCESSORIES

VM 200 | 102650



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

RSK 200 | 102662



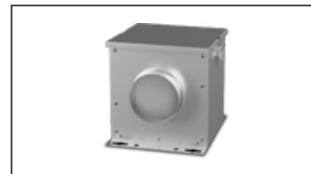
- Back draught shutter for tube fitting
- Galvanized steel sheet housing
- Aluminum flaps

MRS 2 | 110095



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

FV 200 | 112832



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

FT 200 | 112840



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

FTW 200 | 112853



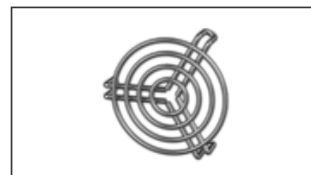
- Air filter box with pocket filter M5
- Integrated warm water heating coil
- Galvanized steel sheet housing
- Toggle-type fastener

RSK 200D | 113487



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

SG 200 01 | 169589



- Protection grille for tube connection
- Galvanized wire

SDS 200 | 169606



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

SDF 200 | 169643



- 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

