

RS 100L

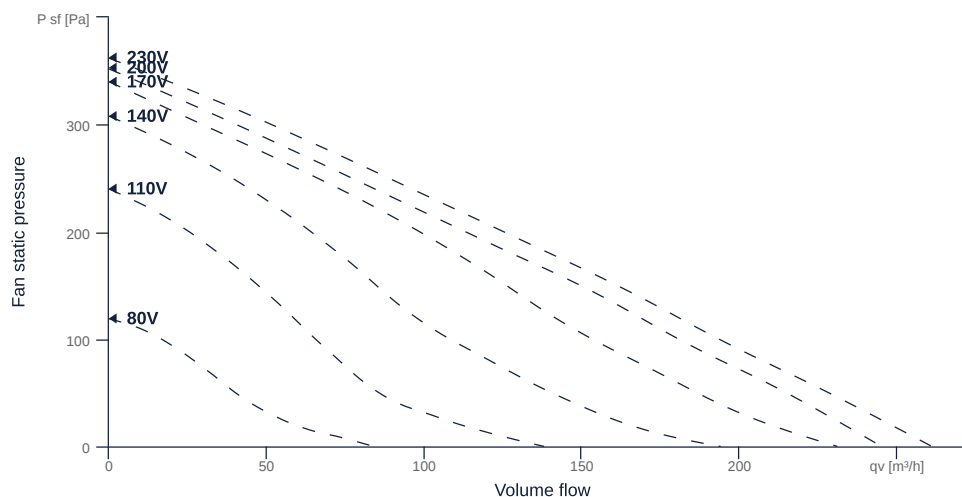
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- Compact centrifugal fan
- Backward curved impeller
- Sheet steel housing, RAL 7035, powder coated
- Robust single phase AC motor, steplessly controllable
- Conveyed medium temperature up to 60 °C in continuous operation
- Integrated thermal switch



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	none		
Duct size	-		WxH _{duct}
Pipe connection size (DN)	DN100		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	2.55	kg	m
Fan type	Radial		Fan _{type}
Category / Installation situation	B		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Rating	Product is not compliant		

MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	67	81	w	P _{ed, max}
Max. operating current (device)	0.3	0.38	A	I _{ed, max}
Max. speed	2810	3270	rpm	n _{max}
Max. stat. efficiency	10.4	11.5	p	η _{es}
Max. fan efficiency	11.2	12.5	p	η _e
Max. flowrate	260	280	CmH	q _{v, max}
Max. stat pressure	360	490	Pa	p _{sf, max}
Max. medium temperature	60	70	°C	T _{m, max}
Max. environment temperature	60	70	°C	T _{amb, max}
Min. environment temperature	-25	-25	°C	T _{amb, min}
Min. voltage	80	80	v	U _{min}
Stall current	0.4	0.4	A	I _{LRA}



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MOTOR DATA

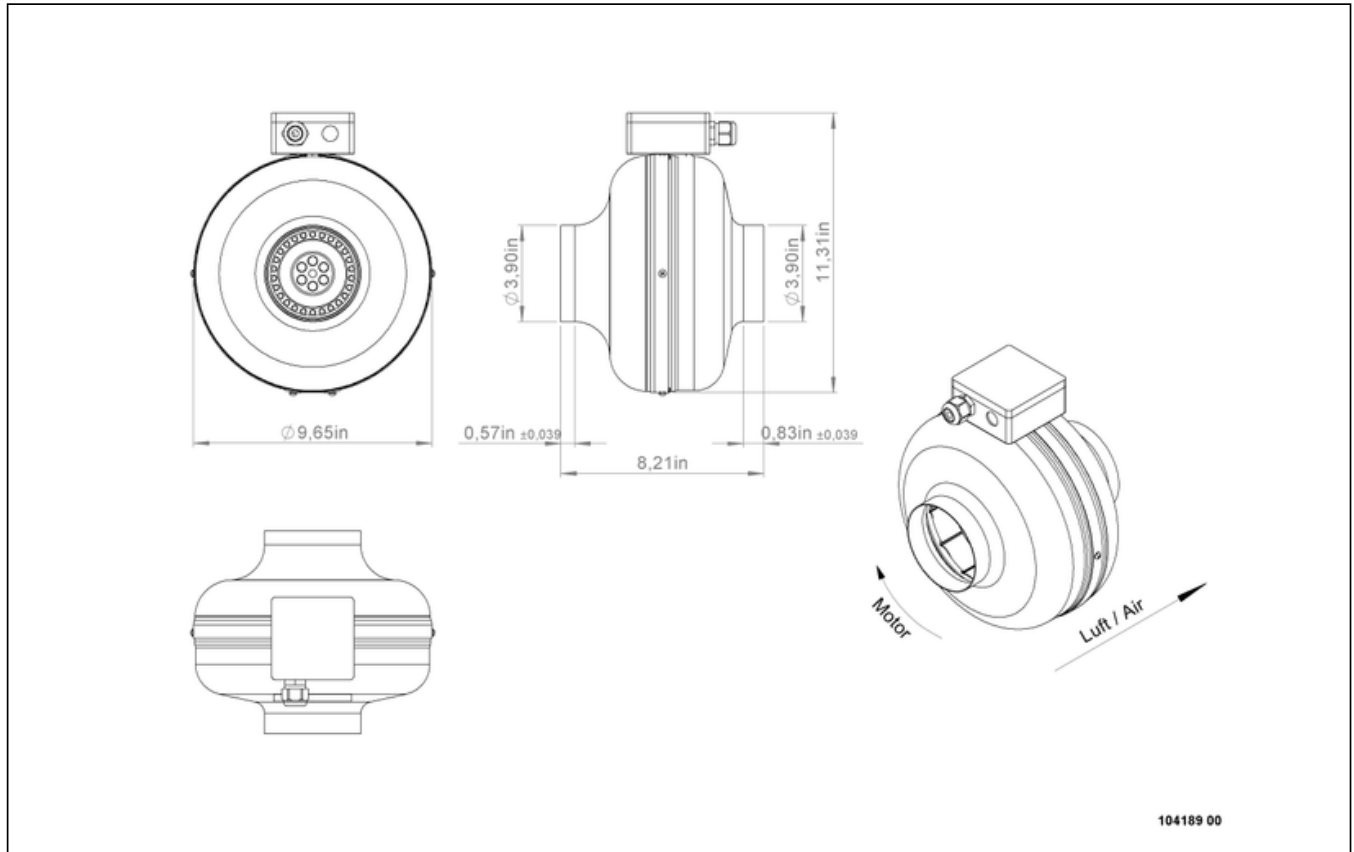
Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		AC 1~		phase
Control type		stepless-controlled		ctrltype
Installation type		ORM (Out)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TAI		protectmotor
Protection class		IP33		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		2	µF	Ccond
Voltage capacitor		450	v	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230	230	v	Urated, f1
Rated current	0.29	0.35	A	Irated, f1
Speed	2345	2430	rpm	nf1
Starting current	0.38	0.4	A	Istart, f1
Efficiency	20.8	19.5	p	ηm, f1
Min. temperature	-30	-30	°C	Tmotor, min
Cos Phi	0.990000	0.990000		cos φ
UL-Certification motor		None		ULcert

SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass



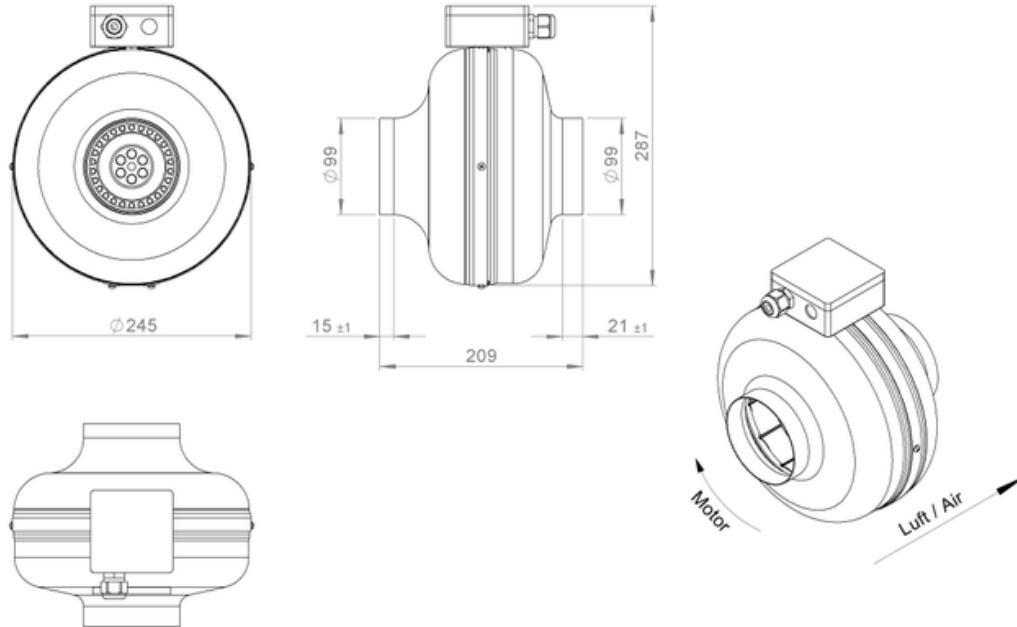
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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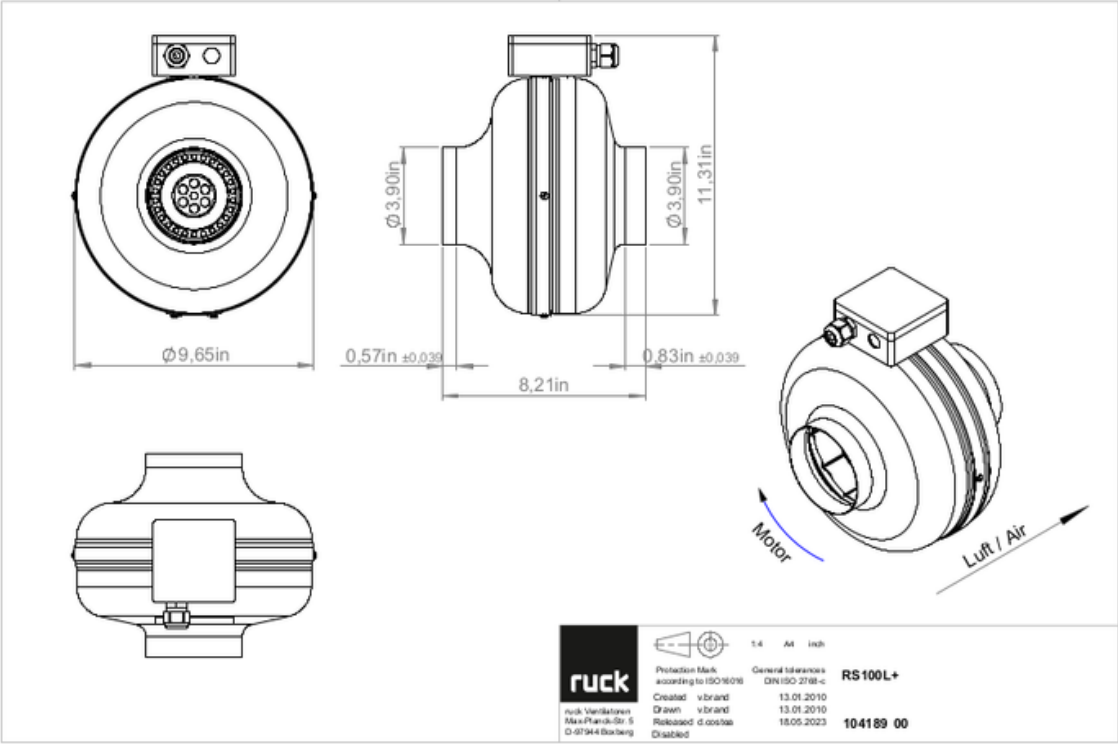
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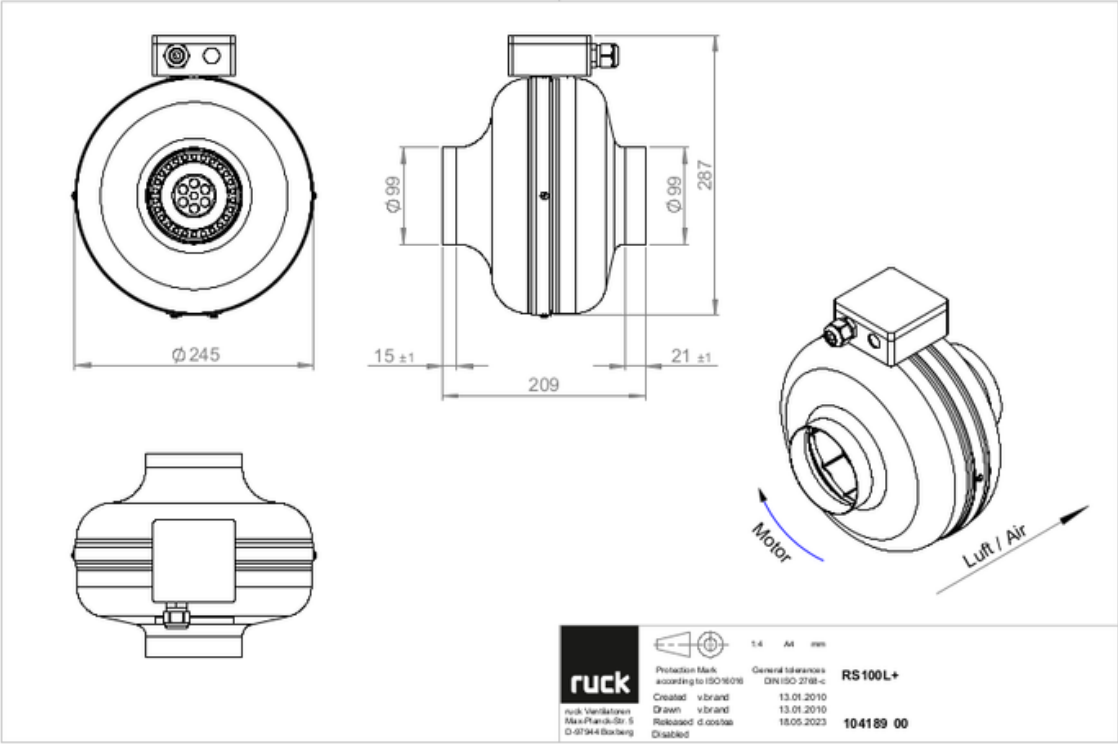


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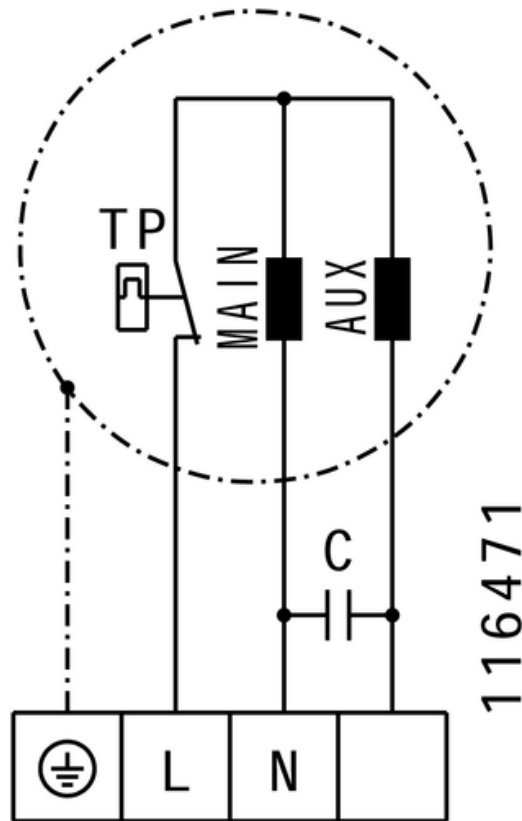


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MECHANICAL ACCESSORIES

VM 100 | 102643



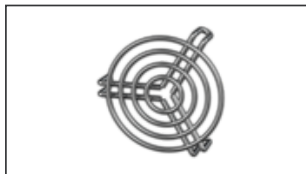
- Fast clamps for sound decoupling and sealing
- Galvanized steel sheet, 5 mm Neopren gasket
- 1 Pack = 2 pieces

RSK 100 | 102658



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

SG 100 01 | 102894



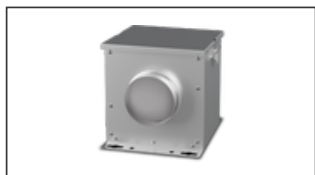
- Protection grille for tube connection
- Galvanized wire

MRS 1 | 110094



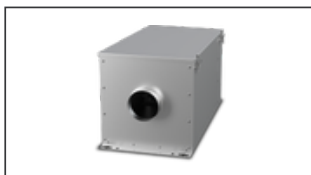
- Mounting bracket
- Galvanized steel sheet
- Includes: Mounting bracket and 2 Phillips screws (6 x 45 mm), 2 dowels (8 x 40 mm)

FV 100 | 112678



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

FT 100 | 112844



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

FTW 100 | 112849



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

RSK 100D | 116061



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

SDS 100 | 169602



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

SDF 100 | 169639



- 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

