

RS 160L

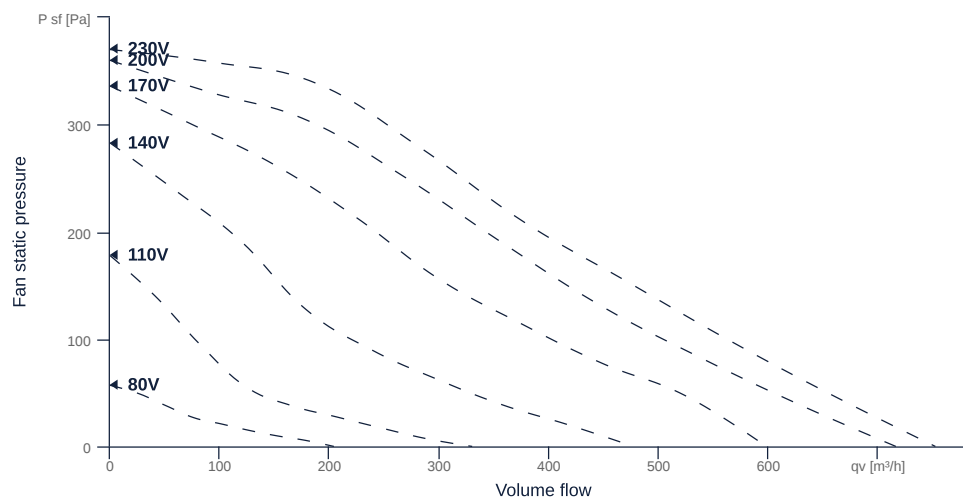
104202

- 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 65 °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)	DN160		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	3.92	kg	m
Fan type	Radial		Fan _{type}
Category / Installation situation	B		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
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MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	100	133	w	P _{ed, max}
Max. operating current (device)	0.46	0.61	A	I _{ed, max}
Max. speed	2770	3200	rpm	n _{max}
Max. stat. efficiency	21.8	20.3	p	η _{es}
Max. fan efficiency	23.1	21.1	p	η _e
Max. flowrate	750	820	CmH	q _{v, max}
Max. stat pressure	370	490	Pa	p _{sf, max}
Max. medium temperature	65	80	°C	T _{m, max}
Max. environment temperature	65	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}



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MOTOR DATA

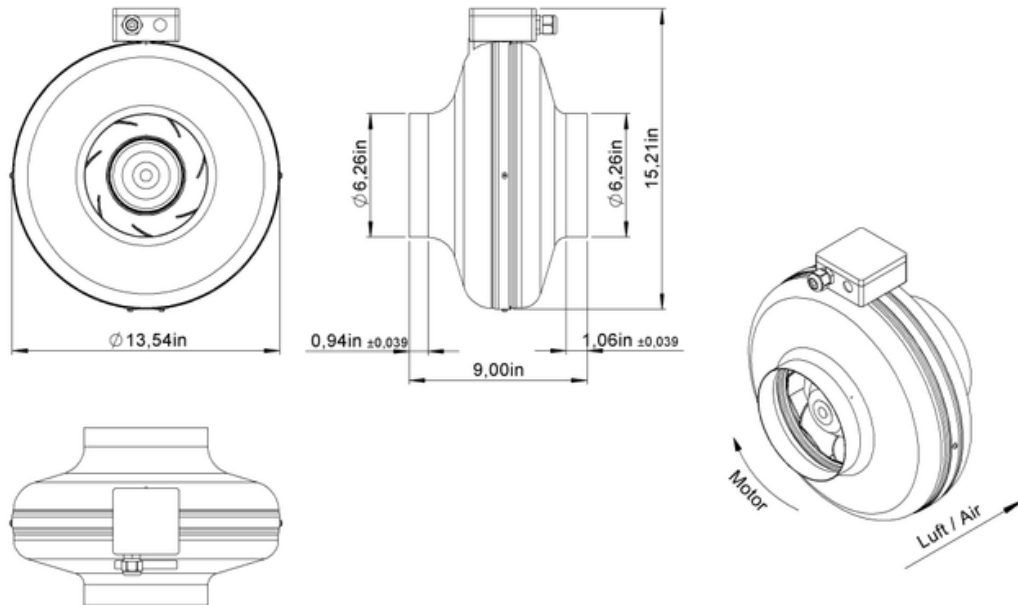
Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		AC 1~		phase
Control type		stepless-controlled		ctrltype
Installation type		ORM (Out)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TAI		protectmotor
Protection class		IP33		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		2.5	µF	Ccond
Voltage capacitor		450	v	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230	230	v	Urated, f1
Rated current	0.43	0.55	A	Irated, f1
Speed	2390	2460	rpm	nf1
Starting current	0.73	0.72	A	Istart, f1
Efficiency	47.3	21.5	p	ηm, f1
Min. temperature	-30	-30	°C	Tmotor, min
Cos Phi	0.980000	0.980000		cos φ
UL-Certification motor		None		ULcert

SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass


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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



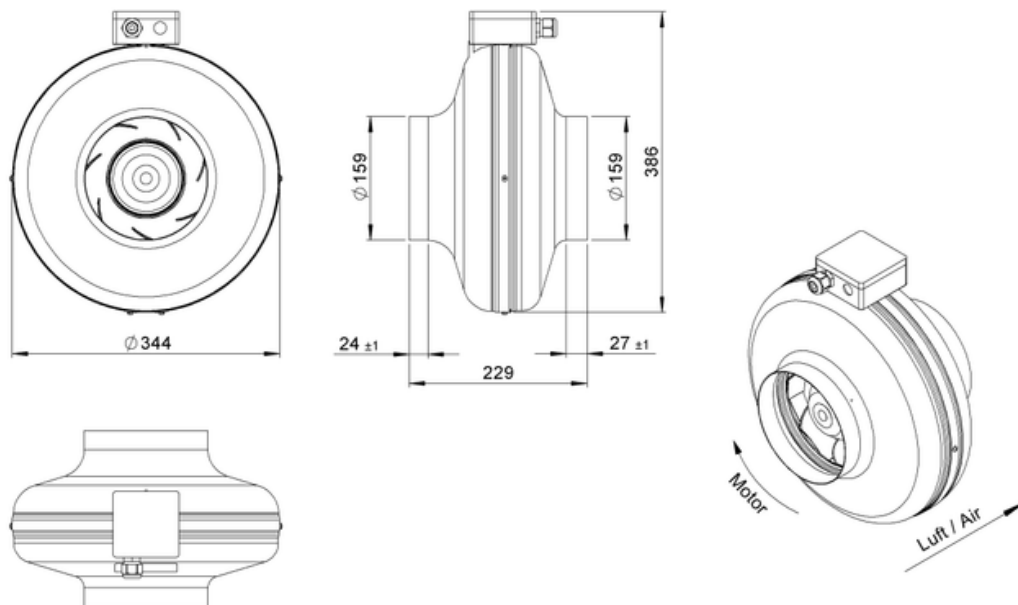
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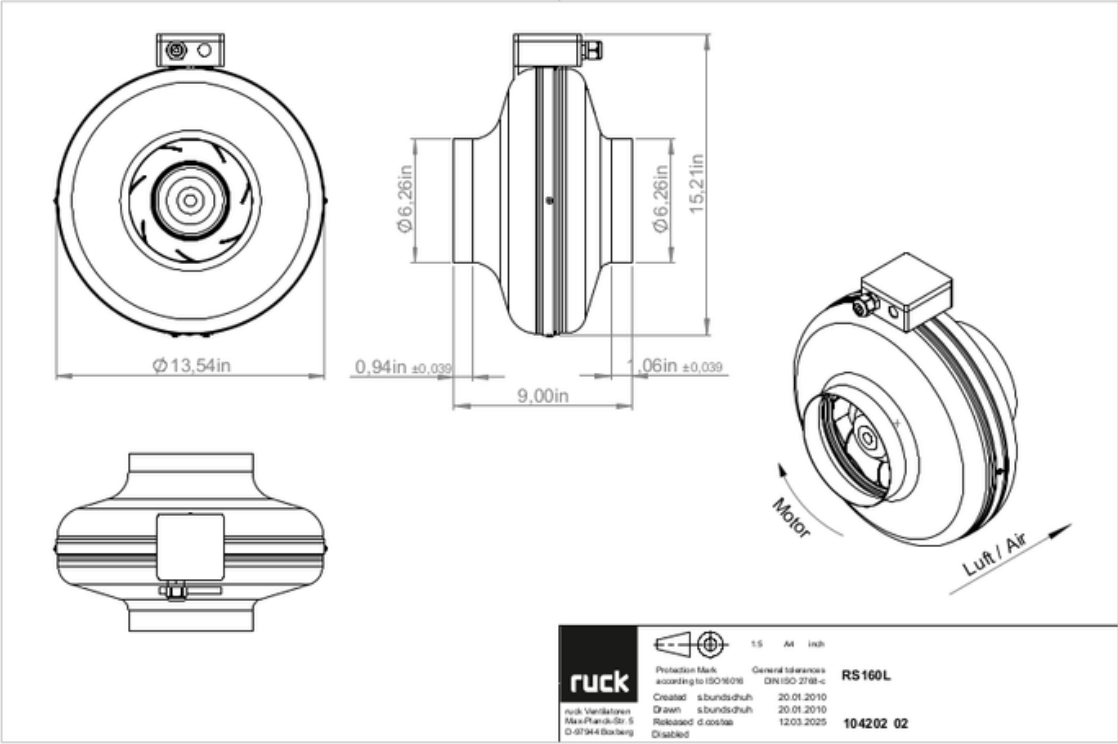
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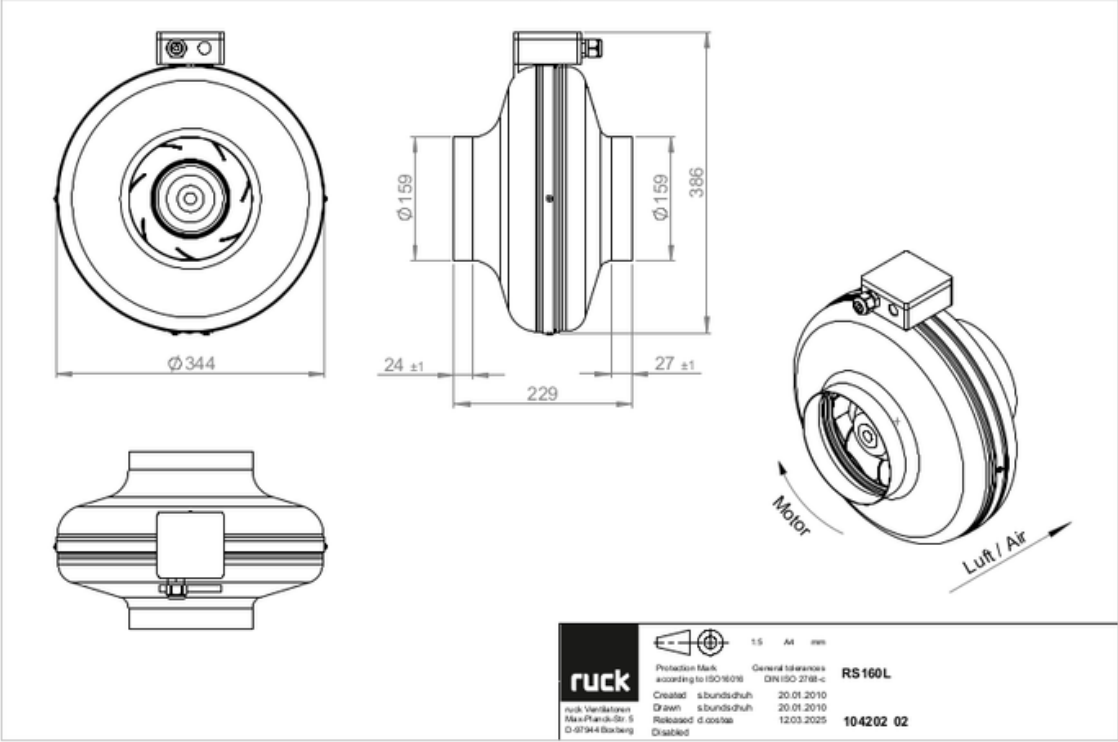


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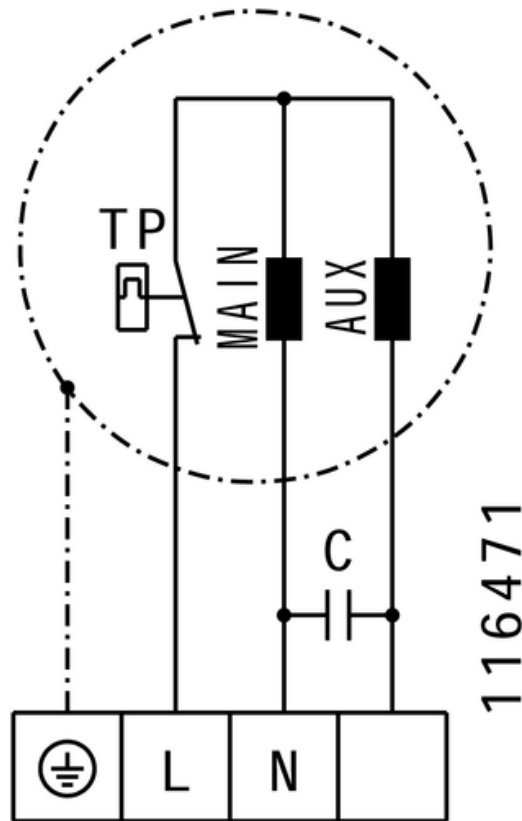


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MECHANICAL ACCESSORIES

VM 160 | 102649



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

RSK 160 | 102661



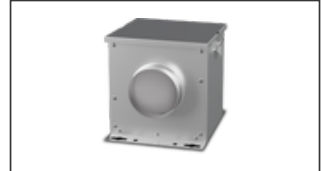
- Back draught shutter for tube fitting
- Galvanized steel sheet housing
- Aluminum flaps

MRS 2 | 110095



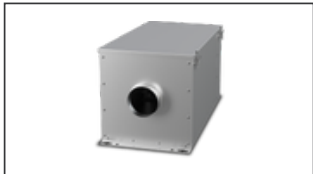
- Mounting bracket
- Galvanized steel sheet
- Includes: Mounting bracket and 2 Phillips screws (6 x 45 mm), 2 dowels (8 x 40 mm)

FV 160 | 112831



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

FT 160 | 112841



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

FTW 160 | 112852



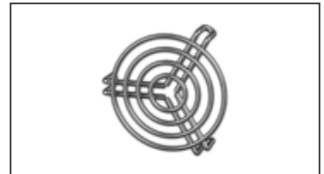
- Air filter box with pocket filter M5
- Integrated warm water heating coil
- Galvanized steel sheet housing
- Toggle-type fastener

RSK 160D | 113485



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

SG 160 01 | 169591



- Protection grille for tube connection
- Galvanized wire

SDS 160 | 169605



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

SDF 160 | 169642



- 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

