

RS 315 10

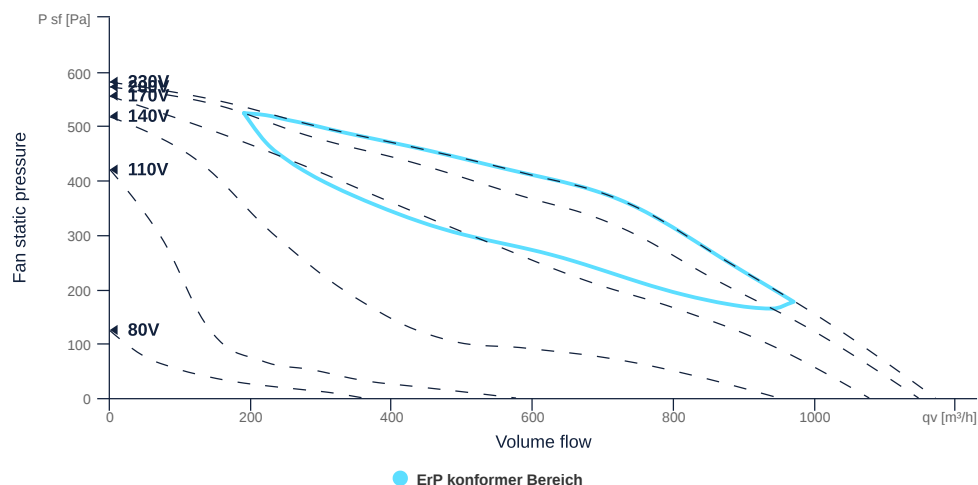
136400

- 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)	DN315		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}
Weight	5.7	kg	m
Nominal air flow rate, nominal point m³/h	968.4	m³/h	q _{v,nom}
Nominal external pressure, static	175	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	0.27	m³/s	q _{v,nom}
Actual electrical input power, nominal point	0.15	kW	P _{e,nom}
Face velocity, nominal point	3.46	m/s	V _{nom}
Nominal external pressure, static	175	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	43.3	%	η _{es,SUP}
Highest external air leakage rate	0.13	%	
Enclosure sound level, nominal point	60	dba	L _{WA2}
Rating	Product is compliant 2018		



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MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	162	238	W	$P_{ed, max}$
Max. operating current (device)	0.89	1.12	A	$I_{ed, max}$
Max. speed	2890	3410	1/min	n_{max}
Max. stat. efficiency	42	35.6	%	η_{es}
Max. fan efficiency	42.5	35.8	%	η_e
Max. flowrate	1170	1330	m ³ /h	$Q_{v, max}$
Max. stat pressure	580	800	Pa	$p_{sf, max}$
Max. medium temperature	70	40	°C	$T_{m, max}$
Max. environment temperature	70	40	°C	$T_{amb, max}$
Min. environment temperature	-25	-25	°C	$T_{amb, min}$
Min. voltage	80	80	V	U_{min}

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		TMI		protectmotor
Protection class		IP33		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		5	μF	Ccond
Voltage capacitor		400	V	VUcond
Number of poles (1)		2.000000		num polesw1
Rated voltage	230	230	V	$U_{rated, f1}$
Rated current	0.7	1.01	A	$I_{rated, f1}$
Speed	2685	2896	1/min	n_{f1}
Starting current	1.67	1.55	A	$I_{start, f1}$
Efficiency	43.2	36.3	%	$\eta_{m, f1}$
Min. temperature	-30	-30	°C	$T_{motor, min}$
Cos Phi	0.990000	0.990000		$\cos \varphi$
UL-Certification motor		None		ULcert



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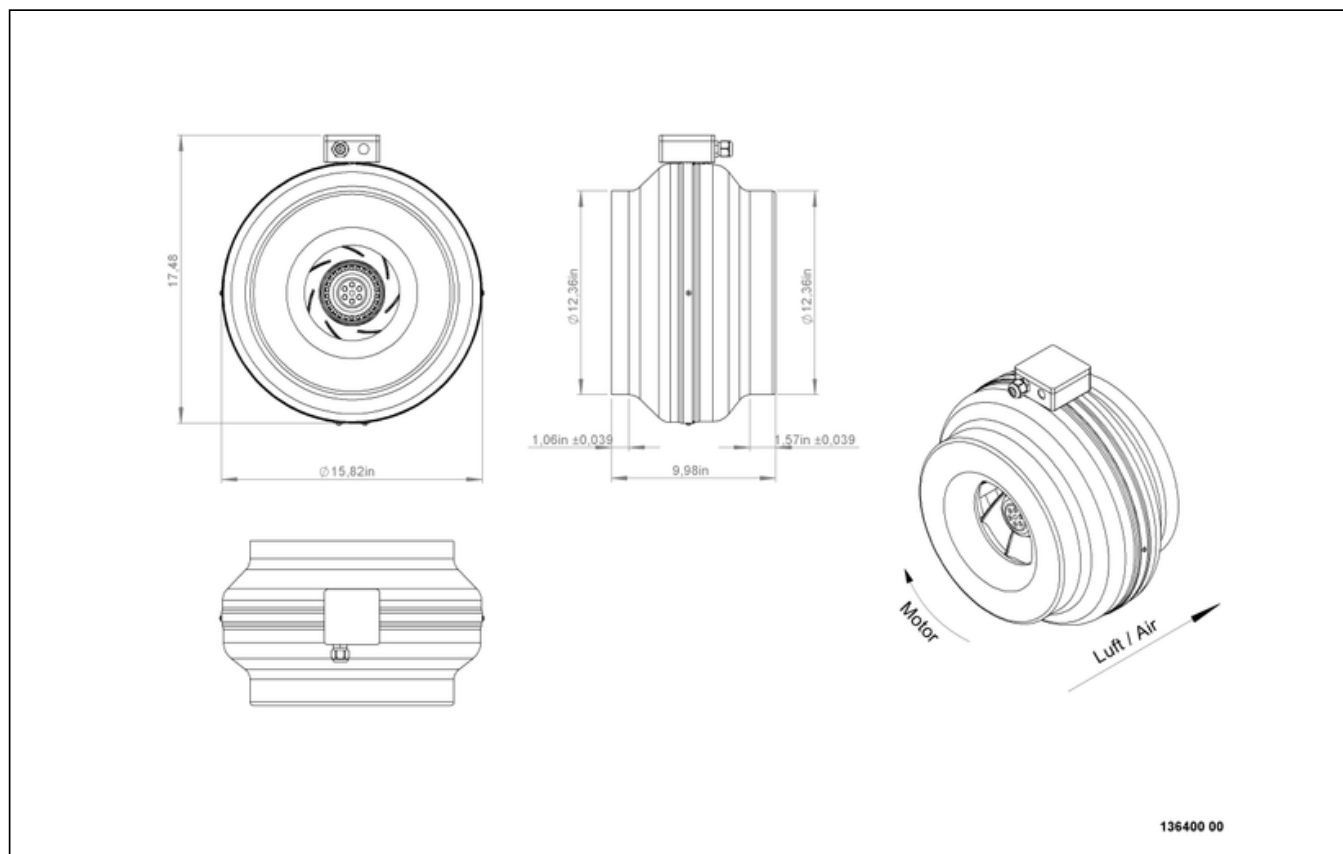


SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass



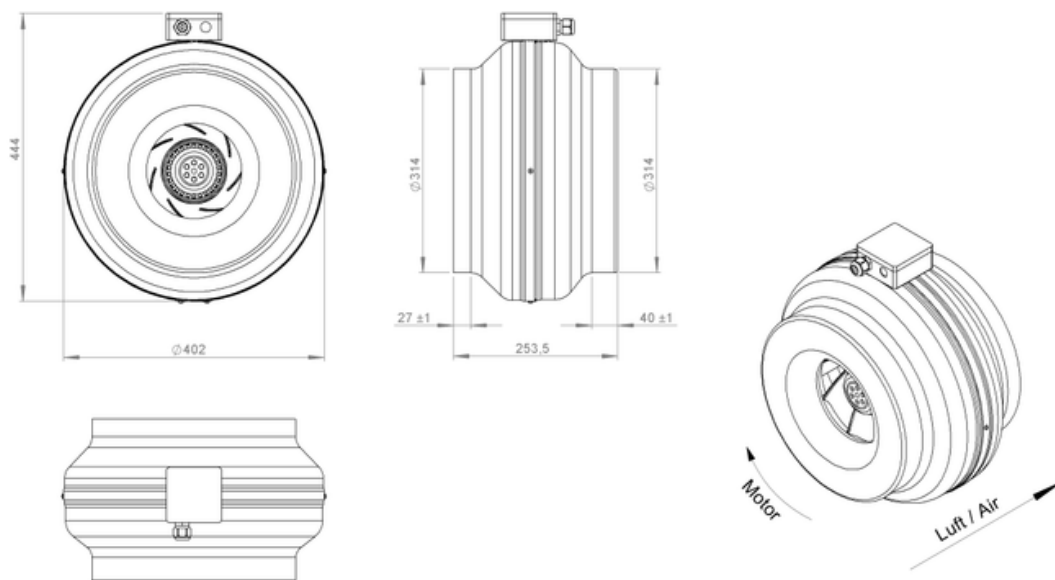
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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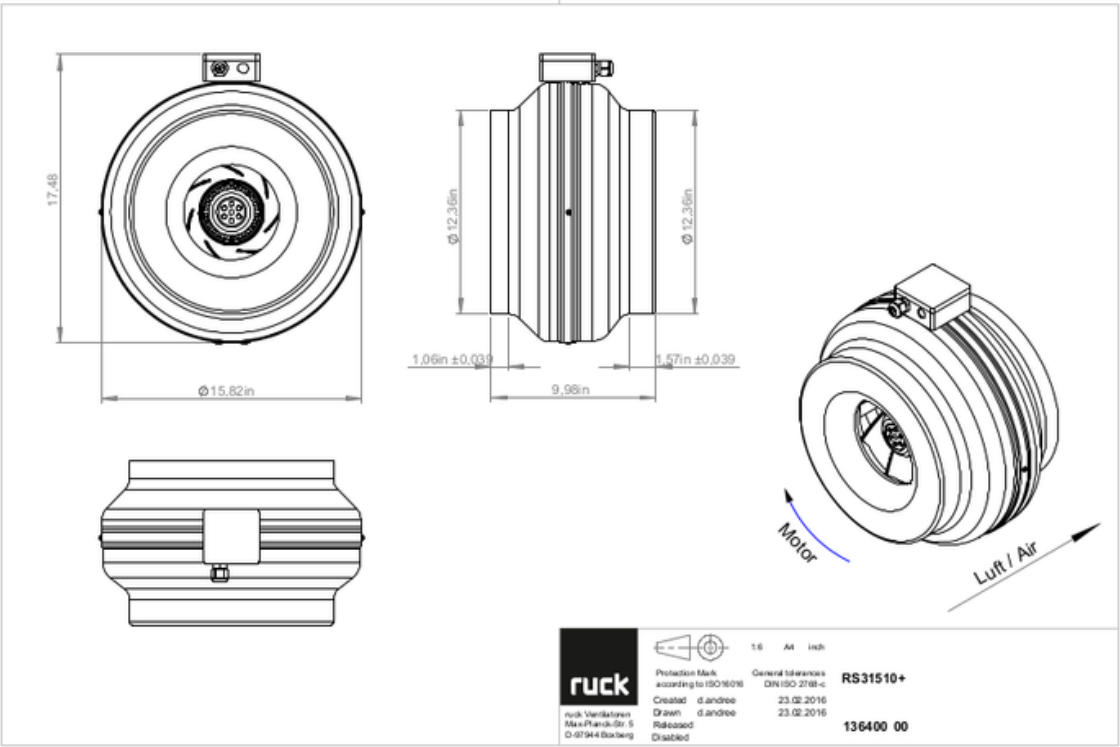
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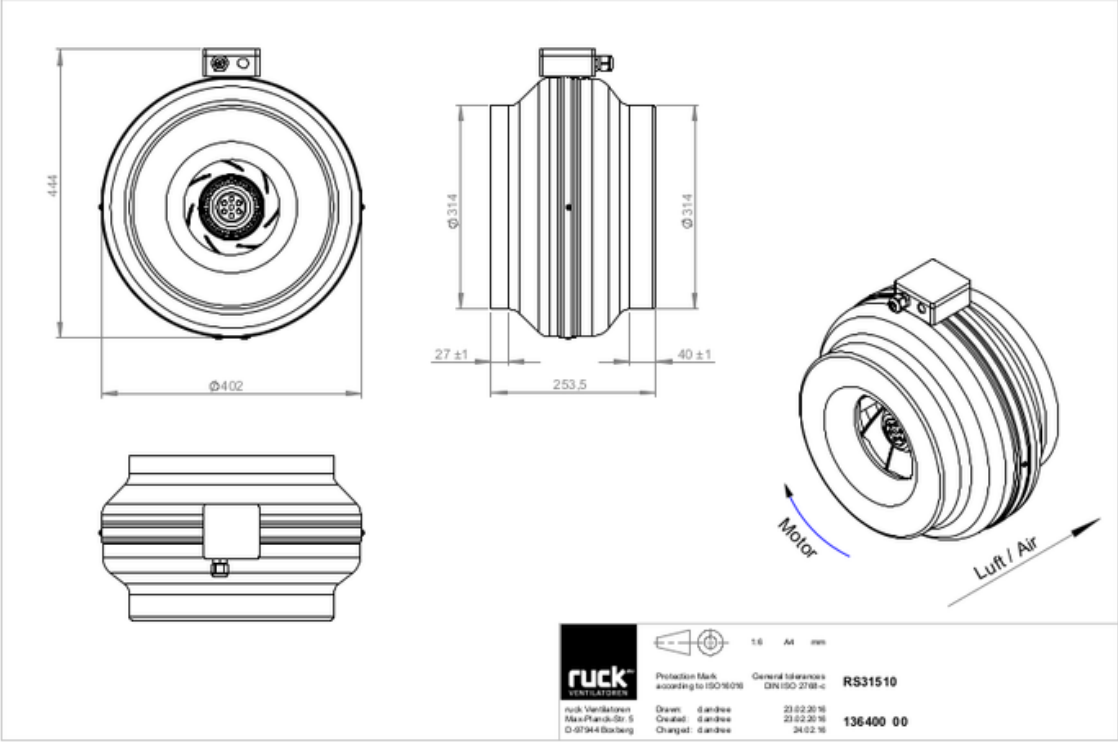
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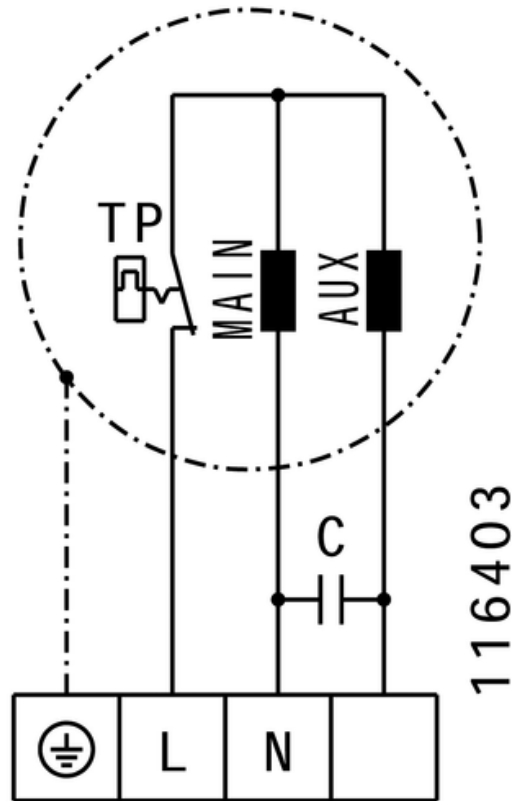


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MECHANICAL ACCESSORIES

VM 315 | 102652



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

RSK 315 | 102664



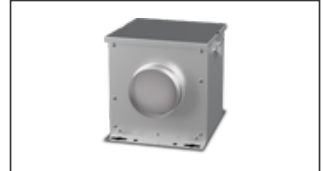
- Back draught shutter for tube fitting
- Galvanized steel sheet housing
- Aluminum flaps

MRS 2 | 110095



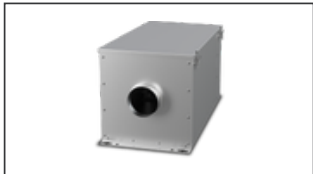
- Mounting bracket
- Galvanized steel sheet
- Includes: Mounting bracket and 2 Phillips screws (6 x 45 mm), 2 dowels (8 x 40 mm)

FV 315 | 112834



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

FT 315 | 112846



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

FTW 315 | 112855



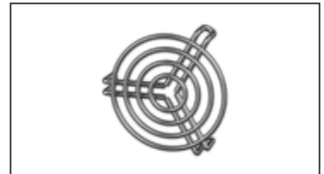
- Air filter box with pocket filter M5
- Integrated warm water heating coil
- Galvanized steel sheet housing
- Toggle-type fastener

RSK 315D | 113489



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

SG 315 01 | 169592



- Protection grille for tube connection
- Galvanized wire

SDS 315 | 169609



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

SDF 315 | 169645



- 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

