

# EL 400 E4 01

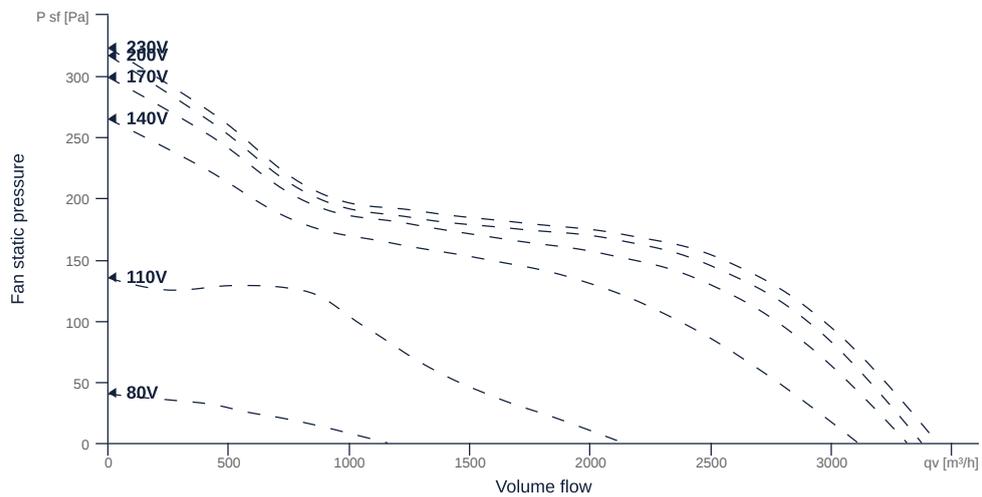
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- Innovative, high-efficiency diagonal fan
- Optimally tuned, CFD-optimized aerodynamics
- The benchmark for efficiency since 2007
- Robust single phase AC motor
- Conveyed medium temperature up to 80 °C in continuous operation
- Housing made of aluminum



## 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	-		WxHduct
Pipe connection size (DN)	DN400		DN
Rated voltage (entire device)	230	v	Urated
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Aluminium		matcasing
Impeller material	Aluminium		matimpeller
IP-protection class (entire device)	IPX4		IPcompl
IP-Protection class (terminal box)	IP44		IPebox
Weight	12.9	kg	m
Fan type	Diagonal		FanType
Category / Installation situation	A		cat

## MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	215	334	w	Ped, max
Max. operating current (device)	1.49	1.8	A	Ied, max
Max. speed	1460	1720	rpm	nmax
Max. stat. efficiency	46	46.7	p	ηes
Max. fan efficiency	50.9	52.5	p	ηe
Max. flowrate	3440	4025	CmH	qv, max
Max. stat pressure	320	440	Pa	psf, max
Max. medium temperature	80	80	°C	Tm, max
Max. environment temperature	80	80	°C	Tamb, max
Min. environment temperature	-25	-25	°C	Tamb, min
Min. voltage	80	80	v	Umin
Stall current	3.74		A	ILRA



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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		IRM (In)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TMI		protectmotor
Protection class		IP00		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Capacity capacitor		8	μF	Ccond
Voltage capacitor		400	v	VUcond
Number of poles (1)		4.000000		num polesw1
Rated voltage	230	240	v	Urated, f1
Rated current	1.3	1.4	A	Irated, f1
Nominal power	210	210	w	Pa
Speed	1400	1700	rpm	nr1
UL-Certification motor		UL recognized		UL.cert

## ERP DATA (LOT11)

Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	1440	rpm	n <sub>opt</sub>
Efficiency level	45.8	p	N
Efficiency category	statisch		catefficiency
Input power of the motor at the energy efficiency optimum	0.21	kw	P <sub>e, opt</sub>
Overall efficiency	63.4	p	η <sub>ges</sub>
Measurement category	A		meas cat
Fan pressure at energy efficiency optimum	158	Pa	p <sub>f, opt</sub>
Flowrate at energy efficiency optimum	2419	CmH	Q <sub>v, opt</sub>

## SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Fire resistance class	None		Fclass

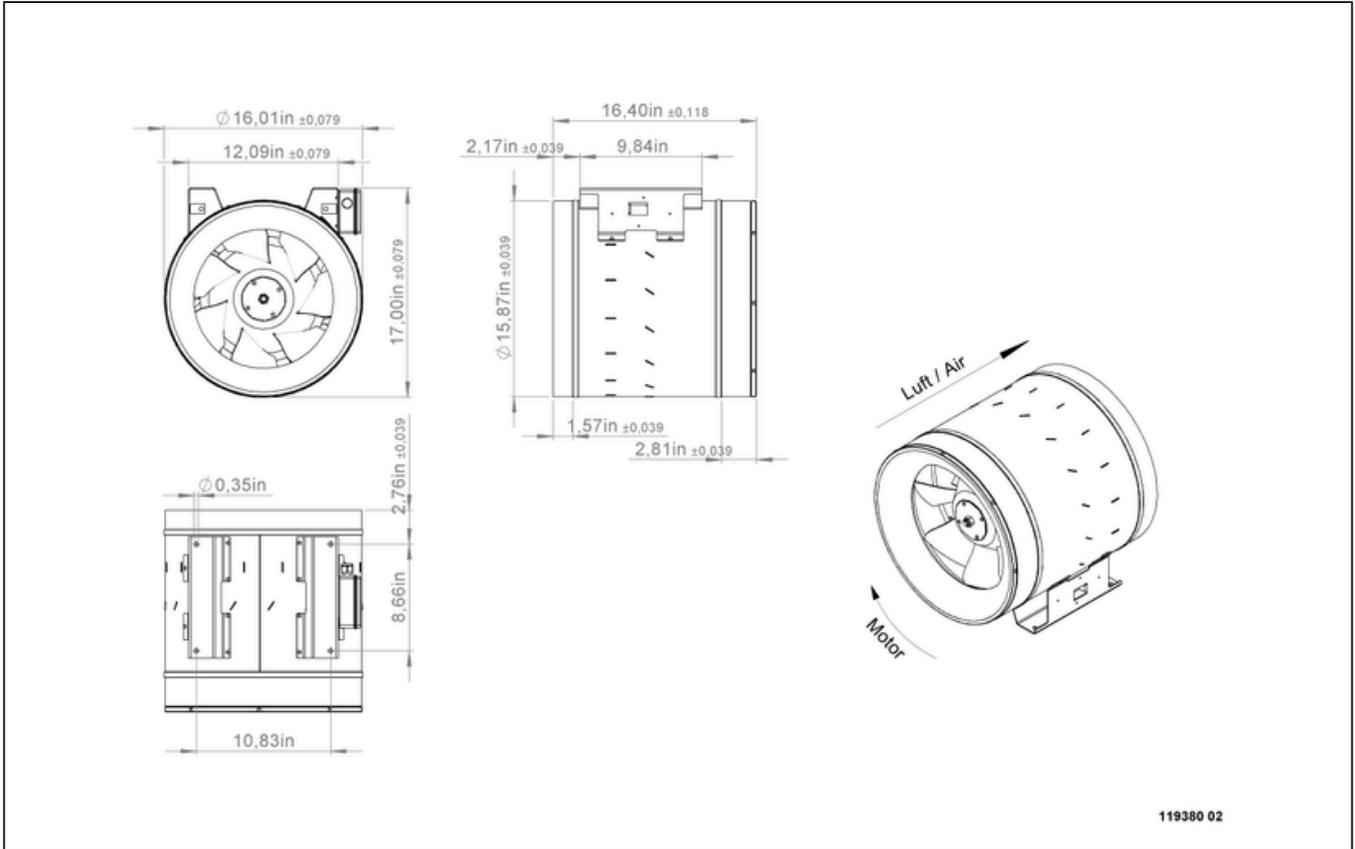


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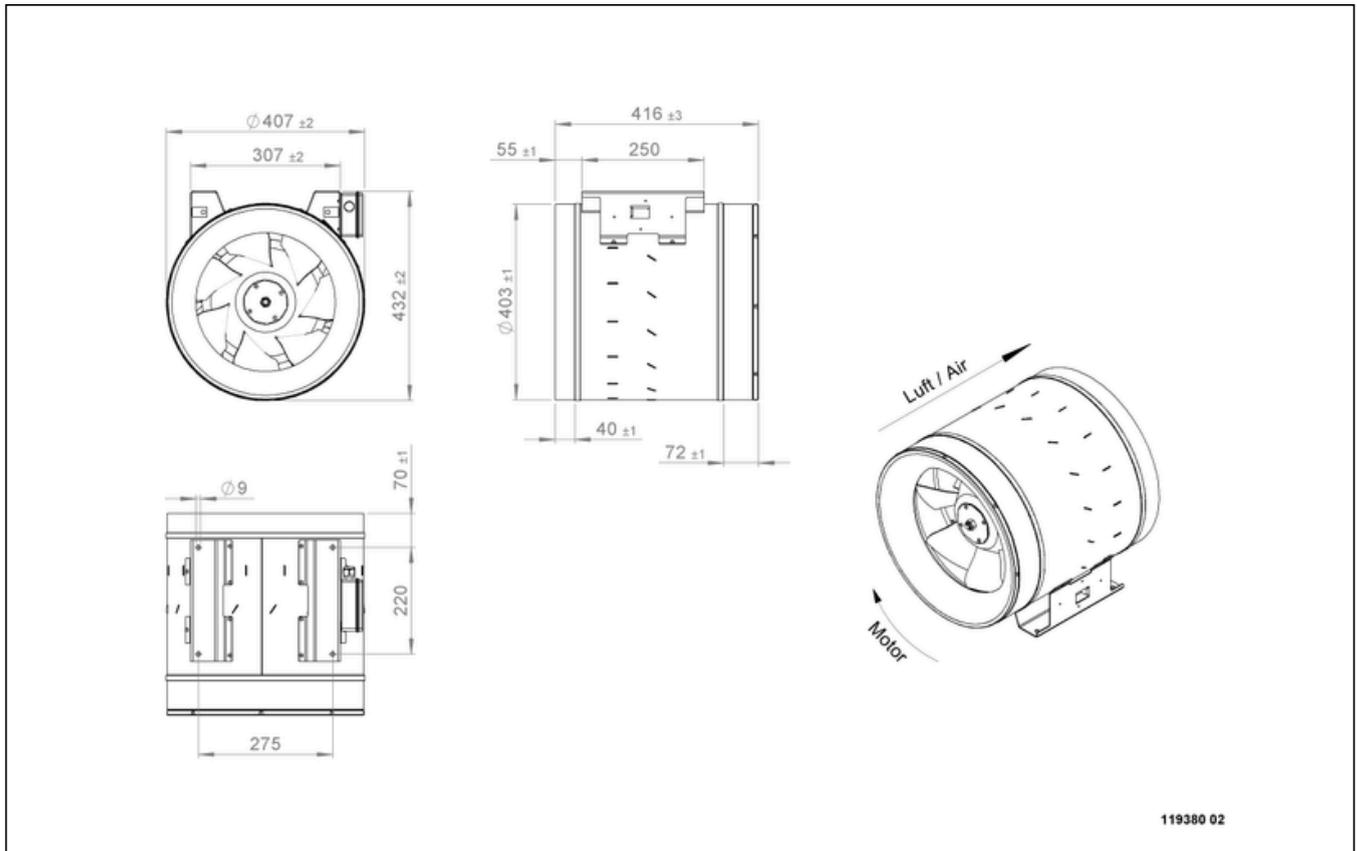
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## CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



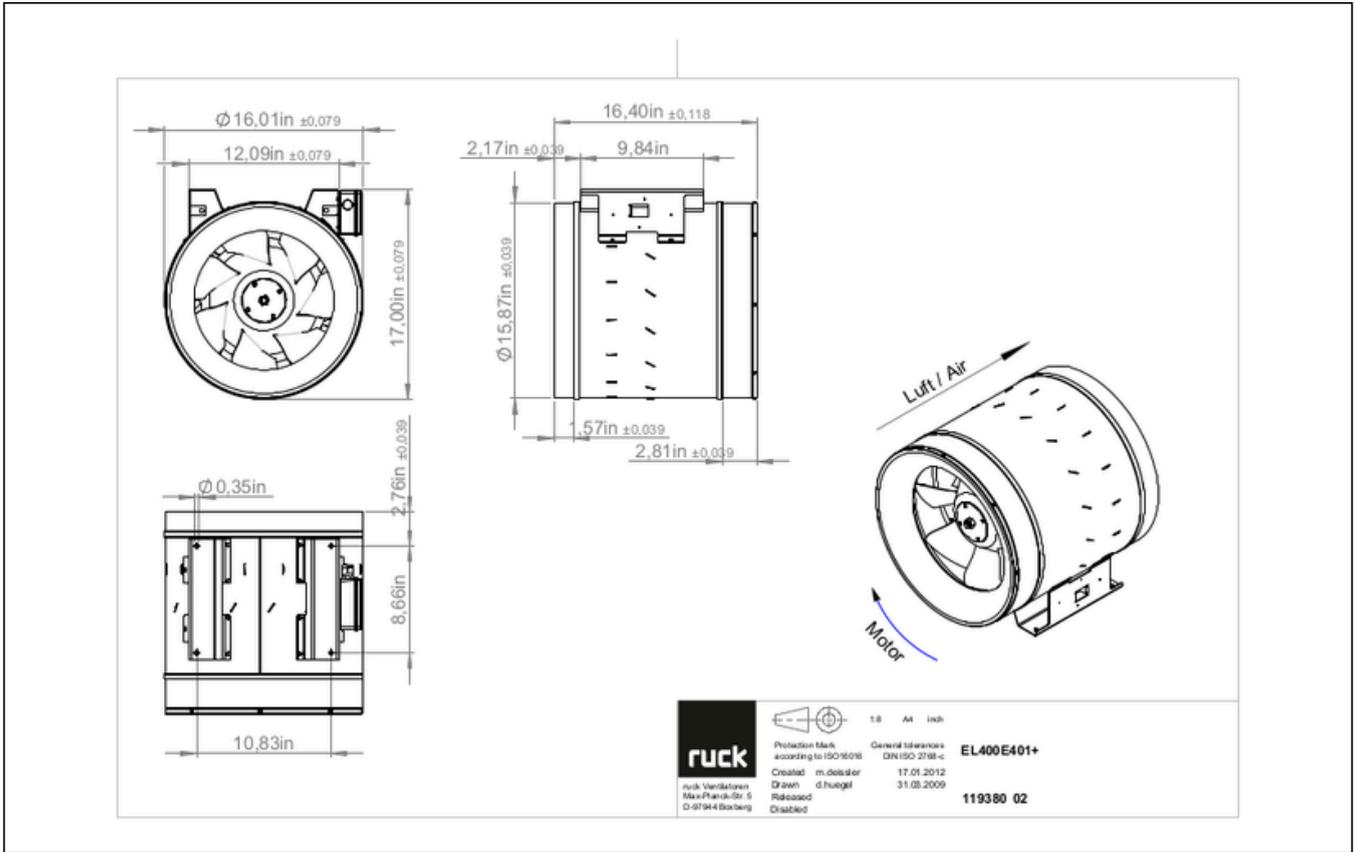
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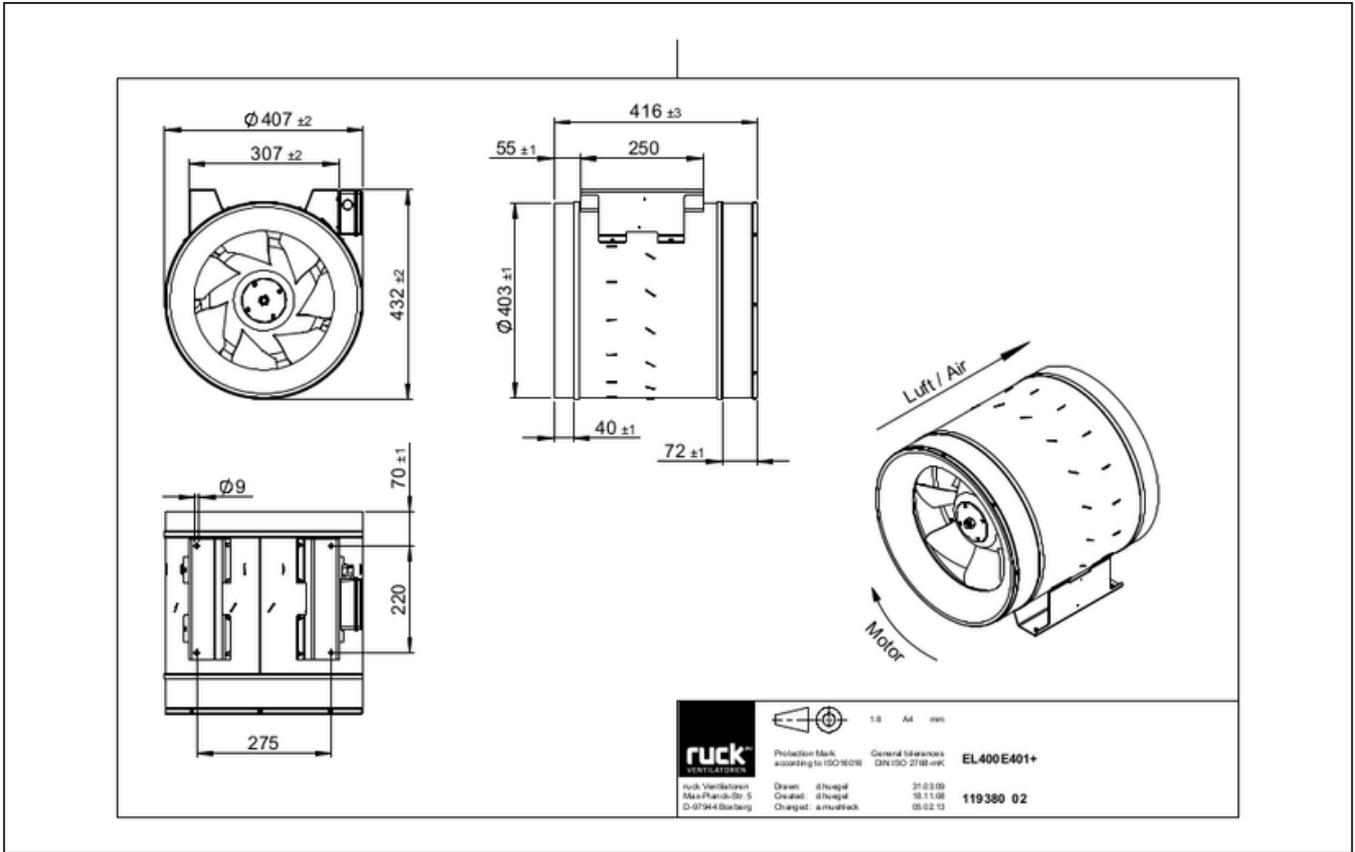
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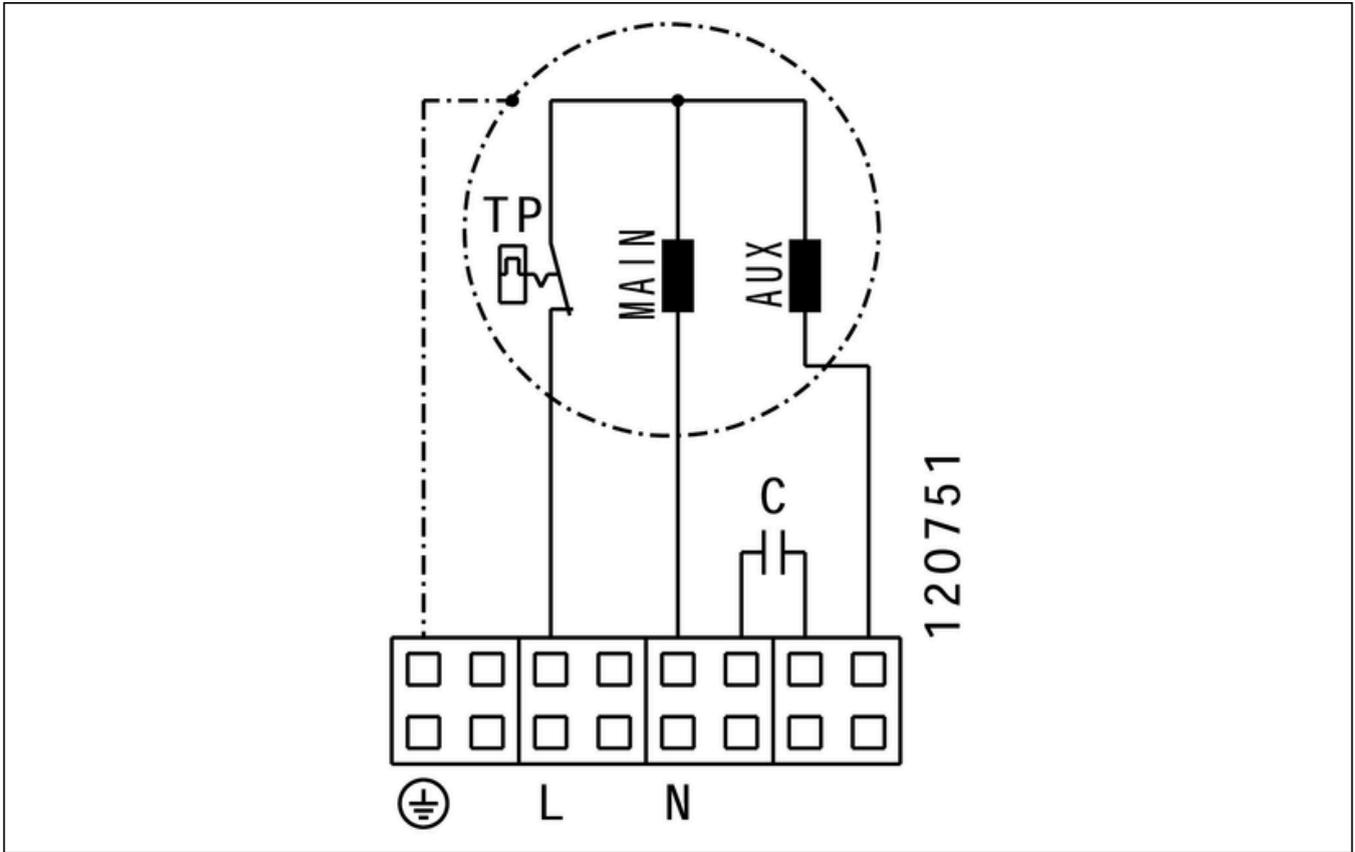
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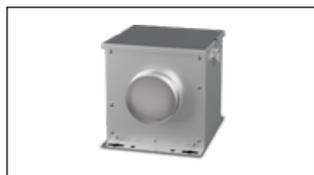


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## MECHANICAL ACCESSORIES

**FV 400 | 112836**



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

**FT 400 | 112848**



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

**FTW 400 | 112857**



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

**RSK 400 | 102691**



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

**RSK 400D | 113490**



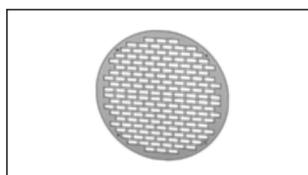
- Back draught shutter for tube fitting
- Galvanized steel sheet housing
- Aluminum flaps
- Integrated gasket

**VM 400 | 102654**



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

**SG 400 02 | 123949**



- Inlet protection grille for Etaline
- Galvanized steel sheet

**SDS 400 | 169612**



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

**SDF 400 | 169647**



- Flexible tube silencer
- Galvanized steel sheet
- Sound insulation packing 50 mm

## ELECTRICAL ACCESSORIES

**GS 01 | 102787**



- Isolator switch
- Umax = 400 V, 50/60 Hz
- Switching capacity 400 V 3~ = 7,5 kW
- Imax = 25 A

**TEM 035 | 103502**



- 5-step transformer
- 230 V, 50/60 Hz, 3.5 A
- Output voltage: 230-190-170-140-110-80-0 V
- Protection class IP 54

**TES 035 02 | 146195**



- 5-step transformer
- 230 V, 50/60 Hz, 3.5 A
- Without housing, control cabinet installation
- Protection class IP 20



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