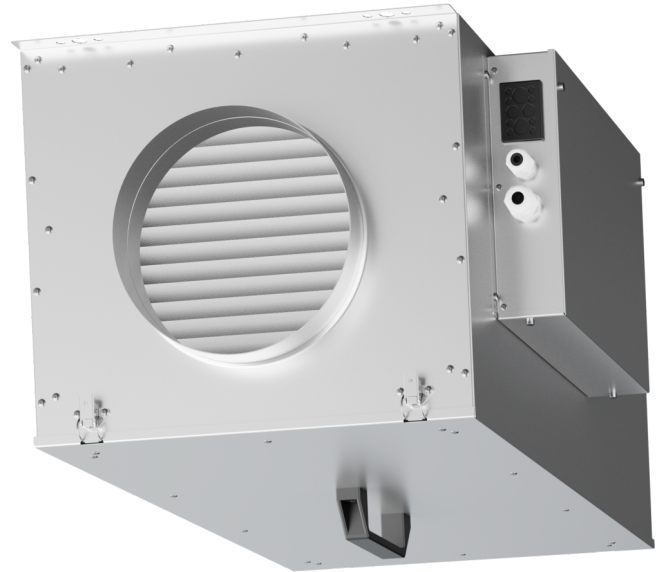


FFH 125 EC 20

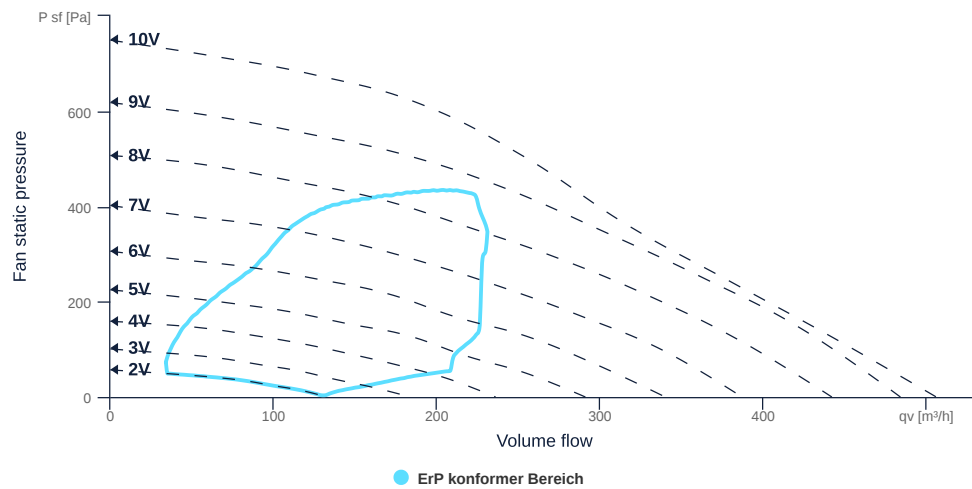
153229

- Supply air unit in compact design, for ceiling and wall mounting
- Frameless, double wall housing made of galvanized steel sheet, insulated
- Constant air flow EC fans, integrated controls
- Integrated electric heating, safety temperature limiter
- Sensor input, Modbus, 0-10V output for external extract fan
- Integrated outdoor air filter M5



FAN CURVES

Name	Value	Unit
Volume flow	0	m³/h
Pressure	0	Pa



to the product detail page

FFH 125 EC 20

153229

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GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		WxH _{duct}
Rated voltage (entire device)	230	V	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	16 A		fuse
Housing material	Aluminium		matcasing
IP-protection class (casing)	IP44		IP _{casing}
IP-protection class (entire device)	IPX4		IP _{compl}
Weight	25.05	kg	m
Nominal air flow rate, nominal point m³/h	169.2	m³/h	q _{v,nom}
Nominal external pressure, static	240.8	Pa	p _{s,nom}
Connection side supply air	-		L/R
Type of the ventilation-unit	UVU - with air treatment		AHU _{type}
Type of the heater	Electrical		H _{type}
Type of cooler	No		C _{type}
Outdoor installation	No		outdoor
Speed control	variable speed control		VSD _{type}
Filter class supply air	ISO ePM10 50%		F _{class, sup}

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Energy performance supply air filter	E		
Nominal air flow rate, nominal point m³/s	0.05	m³/s	q _{v,nom}
Actual electrical input power, nominal point	0.04	kW	P _{e,nom}
Internal specific fan power, nominal point	230.5	Ws/m³	SFP _{int}
Face velocity, nominal point	0.5	m/s	v _{nom}
Nominal external pressure, static	240.8	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	46.9	%	η _{es,SUP}
Highest external air leakage rate	3.55	%	
Enclosure sound level, nominal point	61	dB(A)	LWA2
Rating	Product is compliant 2018		



to the product detail page

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	3119	W	P _{ed, max}
Max. operating current (device)	14.03	A	I _{ed, max}
Max. speed	3975	1/min	n _{max}
Max. stat. efficiency	28.4	%	η _{es}
Max. fan efficiency	28.9	%	η _e
Max. flowrate	510	m³/h	q _{v, max}
Max. stat pressure	750	Pa	p _{sf, max}
Max. medium temperature	40	°C	T _{m, max}
Max. environment temperature	40	°C	T _{amb, max}
Min. environment temperature	-30	°C	T _{amb, min}

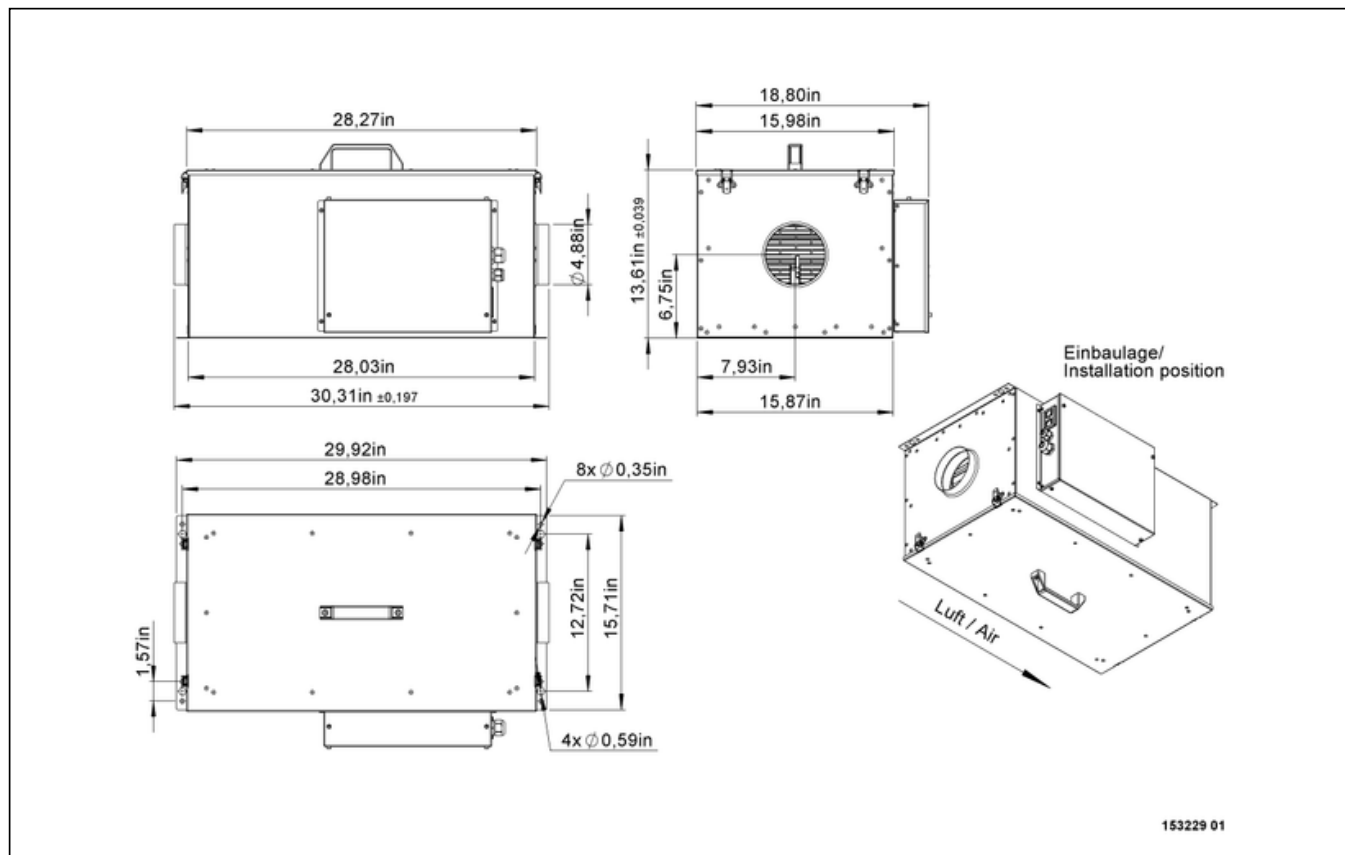
MOTOR DATA

Name	Value	Unit	Formula symbol
Rated frequency (device)	50		f
Motor type	EC		phase
Control type	stepless-controlled		ctrltype
Installation type	ORM (Out)		install
Rotation direction	right		rotation
Isolation class	ISO F		ISO _{class}
Motor-protection	TEC		protect _{motor}
Protection class	IP54		IP _{motor}
Is pole-changeable	No		pole _{exch}
Type of power supply	AC 1~		pwr _{sup} _{motor}
Rated voltage	230	V	U _{rated, f1}
Rated current	0.82	A	I _{rated, f1}
Speed	3594	1/min	n _{f1}
Efficiency	46.8	%	η _{m, f1}
Min. temperature	-30	°C	T _{motor, min}
Cos Phi	0.560000		cos φ
UL-Certification motor	None		UL _{cert}



to the product detail page

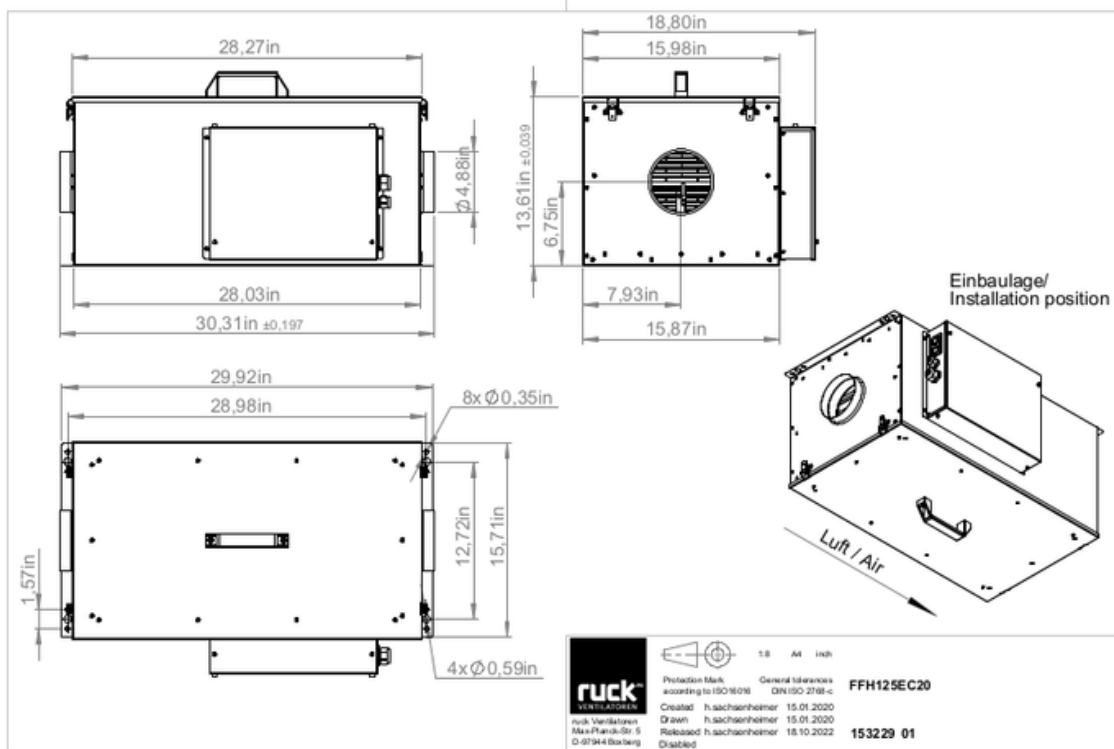
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS

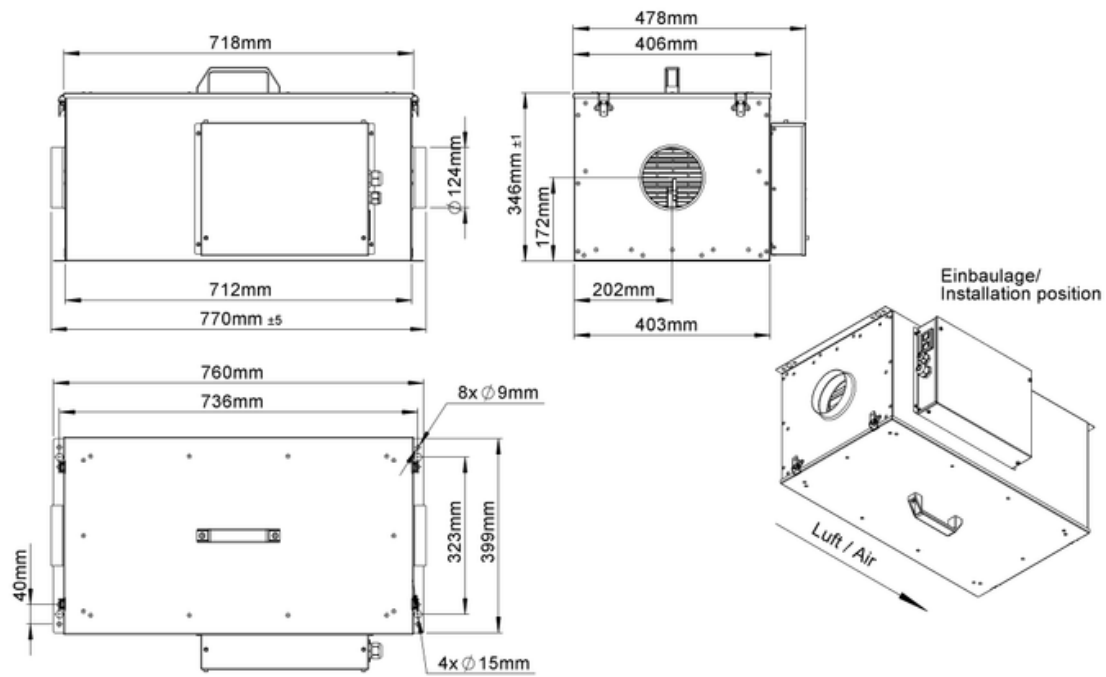


FFH 125 EC 20

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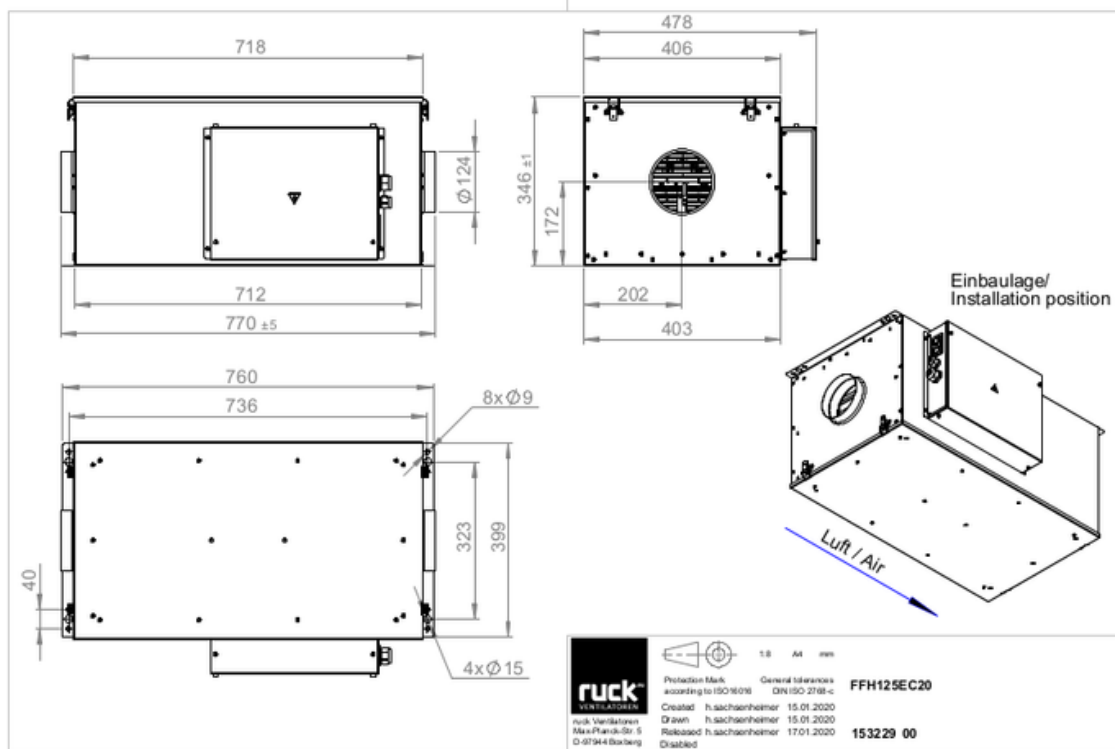




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to the product detail page



MECHANICAL ACCESSORIES

RSK 125 | 102179



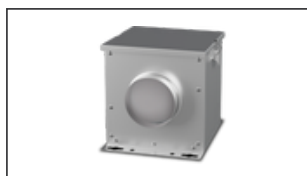
- Back draught shutter for tube fitting
- Galvanized steel sheet housing
- Aluminum flaps

VM 125 | 102647



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

FV 125 | 112679



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

FT 125 | 112843



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

LFZ 05 ISO ePM2.5 70% | 115269



- Air filter Z-Line
- ISO ePM2.5 70%
- 277x334x48 mm

LFZ 05 ISO ePM10 50% | 168757



- Air filter Z-Line
- ISO ePM10 50%
- 277x334x48 mm

SDS 125 | 169603



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

SDF 125 | 169640



- 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

SEN P1000 | 126080



- Differential pressure sensor
- P-control, PV-control
- P = 2 pcs. required, PV = 1 pcs. required

TEM 075V | 136272



- 5-step transformer
- 230 V ~, 50/60 Hz

SEN RAUCH 02 | 148637



- Duct smoke sensor
- Contamination display in % and message at 70 %
- 1 Switching contact, 8 A, 250 V AC 1 nc, 8 A, 250 V AC
- Supply flow 1 - 20 m/s

SEN RAUCH 01 | 148638



- Duct smoke sensor
- Contamination display in % and message at 70 %

SEN TEMP | 148639



- Duct temperature sensor
- Measuring range -50..+150 °C
- NTC 5k
- Incl. mounting clip, mounting screws

SEN CO2 03 | 168178



- CO2 sensor for demand based volume flow control
- Supply voltage 24 V
- Output 0-10 V DC
- Protection class IP 20

SEN CO2 02 | 168750



- Sensor for demand-based volume flow control
- 24 V AC ± 20 %, 15 - 35 V DC or 19 - 29 V AC
- Output 0 - 10 V DC
- Measurement 0 - 2000 ppm CO2

SEN RH 02 | 172658



- Humidity sensor
- Humidity 0..100 % rH
- Output 2 x 0-10V
- 15..35Vdc or 19..25Vac



to the product detail page