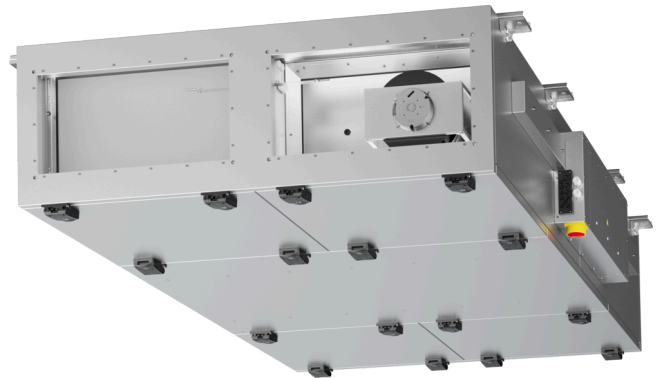


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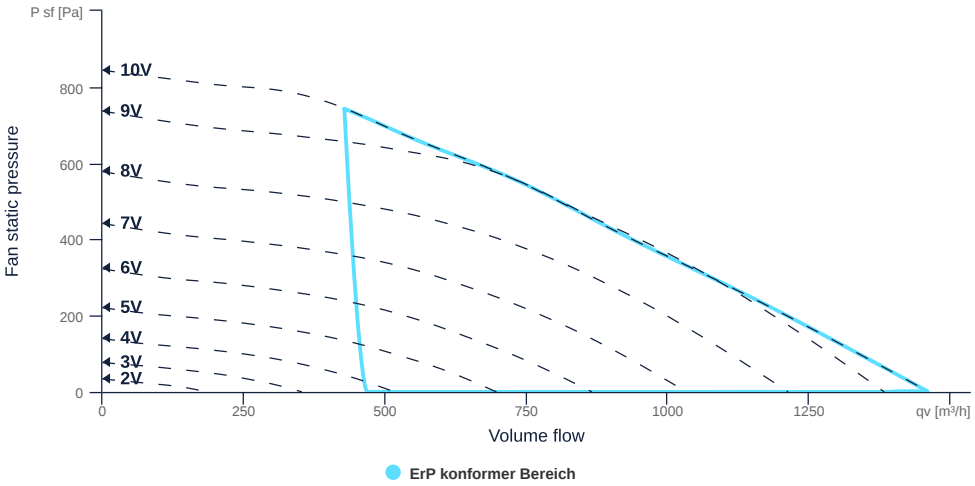
- Flat air handling unit with storage mass heat exchanger
- Ceiling mounting, version right
- Frameless, double wall housing made of galvanized steel sheet, insulated
- Constant air flow EC fans, integrated controls
- Automatic summer bypass
- Without heating, without cooling
- Panel Filter F7/M5



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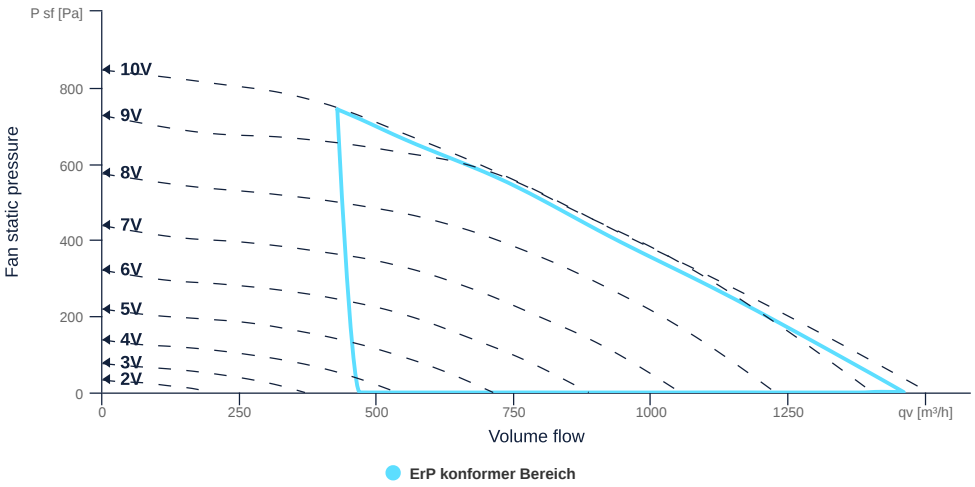
MAP

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



EXTRACT AIR MAP

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



GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	600x300		WxH _{duct}
Rated voltage (entire device)	230	V	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Galvanized steel		mat _{casing}
IP-protection class (casing)	IP41		IP _{casing}
IP-protection class (entire device)	IP41		IP _{compl}
Weight	322	kg	m
Nominal air flow rate, nominal point m³/h	1198.8	m³/h	q _{v,nom}
Nominal external pressure, static	208	Pa	p _{s,nom}
Connection side supply air	Right		L/R
Type of the ventilation-unit	BVU - supply air		AHU _{type}
Type of heat-recovery-system	regenerative		HRS _{type}
Type of the heater	No		H _{type}
Type of cooler	No		C _{type}
Outdoor installation	No		outdoor
Speed control	variable speed control		VSD _{type}
Filter class extract air	ISO ePM10 50%		F _{class, eta}
Filter class supply air	ISO ePM1 55%		F _{class, sup}

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Energy performance supply air filter	E		
Energy performance extract air filter	E		
Thermal efficiency HRS, Nominal-point	92.6	%	t _{NRVU}
Nominal air flow rate, nominal point m³/s	0.33	m³/s	q _{v,nom}
Actual electrical input power, nominal point	0.56	kW	P _{e,nom}
Internal specific fan power, nominal point	1639.2	Ws/m³	SFP _{int}
Face velocity, nominal point	1.2	m/s	V _{nom}
Nominal external pressure, static	208	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	56.3	%	η _{es,SUP}
static efficiency of the extract fan, nominal point	56.3	%	η _{es,EHA}
Highest external air leakage rate	1.12	%	
Enclosure sound level, nominal point	63	dB(A)	LWA2
Rating	Product is compliant 2018		



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MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	605	W	$P_{ed, max}$
Max. operating current (device)	4.2	A	$I_{ed, max}$
Max. speed	3345	1/min	n_{max}
Max. stat. efficiency	38	%	η_{es}
Max. fan efficiency	38.1	%	η_e
Max. flowrate	1460	m ³ /h	$q_{v, max}$
Max. stat pressure	840	Pa	$p_{sf, max}$
Max. medium temperature	40	°C	T_m, max
Max. environment temperature	40	°C	$T_{amb, max}$
Min. environment temperature	-25	°C	$T_{amb, min}$

FILTER DATA

Name	Value	Unit	Formula symbol
Degree of separation (supply air)	55	%	
Degree of separation (extract air)	50	%	
Filter group (extract air)	ISO ePM10		
Fitter group (supply air)	ISO ePM1		

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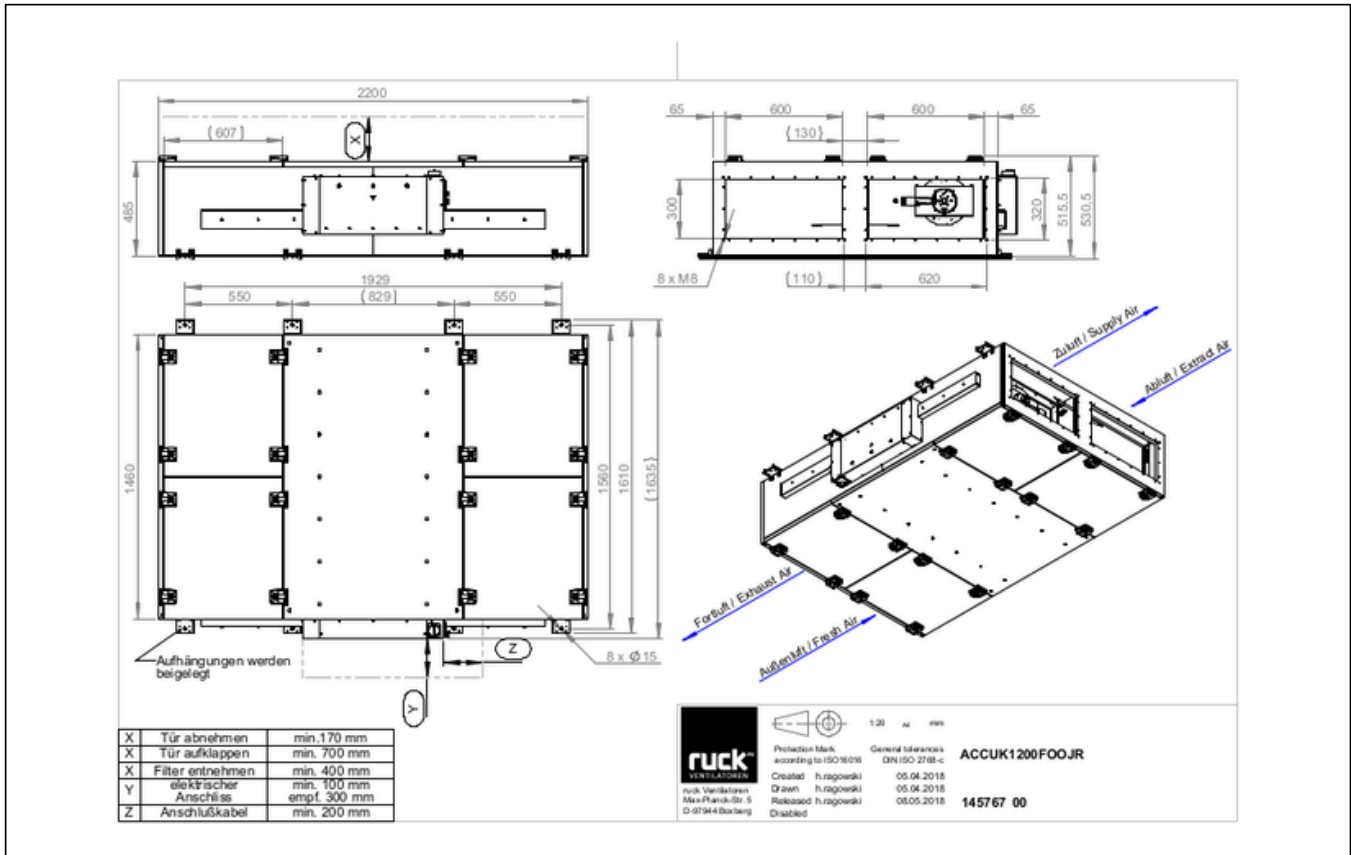


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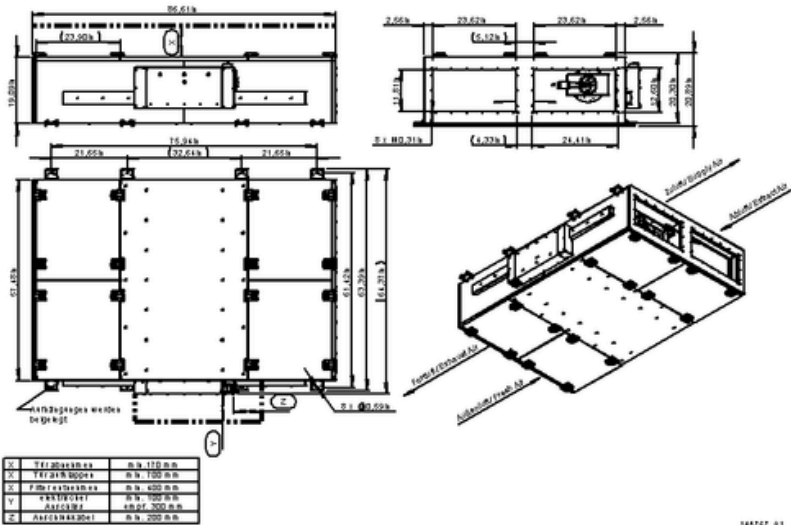
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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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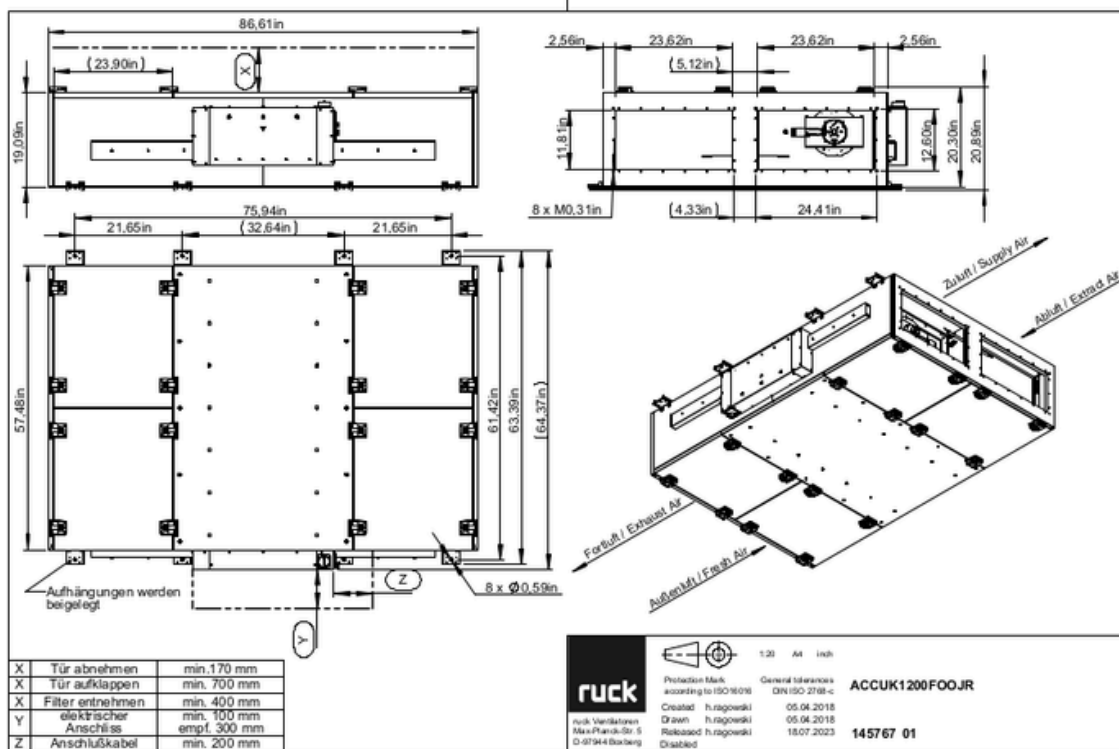
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MECHANICAL ACCESSORIES

RSK 250D | 113488



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

VS 6030 | 102806



- Duct connector, flexible
- Standard profile flange P20
- Galvanized steel sheet, plastic band (PVC)
- Temperature resistant up to 70 °C

UKR 6030 09 | 139911



- Transition duct / tube
- Steel sheet, galvanized
- 600 x 300 mm / NW 250 mm with seal lips

VM 250 | 102651



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

KWR 250 02 | 124066



- Cold water cooler, uninsulated
- Version left
- Connection ND 250
- Galvanized steel sheet with condensate tray

KWRI 6030 01 | 125509



- Cold water cooling coil, galvanized steel sheet, insulated
- Integrated condensate tray, drip separator
- With NTC temperature sensor
- Air direction and connection side interchangeable (Data sheet)

DVRI 6030 01 | 125510



- Direct evaporator, galvanized steel sheet, insulated
- Integrated condensate tray, drip separator
- With NTC temperature sensor
- Air direction and connection side interchangeable (Data sheet)

MAK 250 01 | 124067



- Motor shut-off flap
- With spring return VDI 6022, with actuator 230 V, 50 Hz

MAK 250 02 | 124068



- Motor shut-off flap
- With actuator 3-point-control, with actuator 230 V, 50 Hz

SDF 250 | 102705



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

MAK F EA 02 3P | 164339



- Motorized shut-off flap
- Made of galvanized sheet steel, insulated
- Open-close, with 3-point control
- Actuator 230 V, 50/60 Hz

MAK F EA 02 FR | 164349



- Motorized shut-off flap
- Made of galvanized sheet steel, insulated
- Open-close, with spring return
- Actuator 230 V, 50/60 Hz, 4 Nm

SDS 250 | 102721



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

KWR 250 01 | 124065



- Cold water cooler, uninsulated
- Version right
- Connection ND 250
- Galvanized steel sheet with condensate tray

LFP 66 ISO ePM10 65% | 168790



- Air filter panel
- ISO ePM10 65%
- 670x420x96 mm

LFP 66 ISO ePM1 70% | 168792



- Air filter panel
- ISO ePM1 70%
- 670x420x96 mm



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ELECTRICAL ACCESSORIES

COM 02-OPTION | 128549



- Extension board
- For connecting several ventilation units via Modbus
- Switchable terminating resistor
- Switchable pull-up and pull-down resistor

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 TEMP | 148639



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

SEN P1000 | 126080



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

SEN RH | 148636



- Humidity sensor
- Humidity 0..100 % rH
- Output 2 x 0-10V
- 15..24Vdc, max 0,3 W

SEN RAUCH 01 | 148638



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

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 $\pm$ 20 %, 15 - 35 V DC or 19 - 29 V AC
- Output 0 - 10 V DC
- Measurement 0 - 2000 ppm CO2

