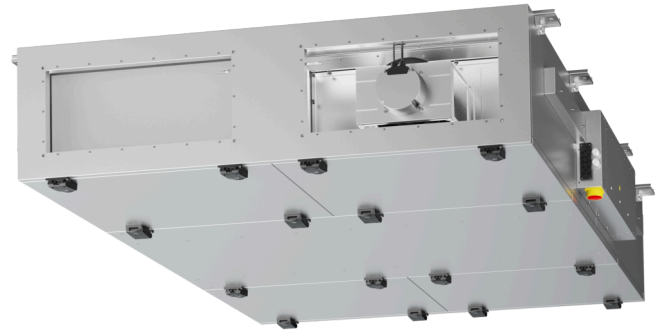


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147192

- 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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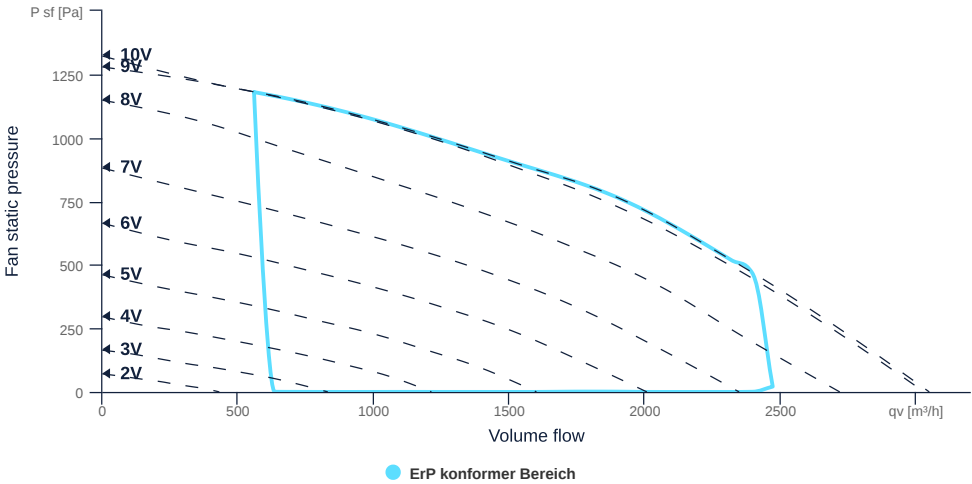
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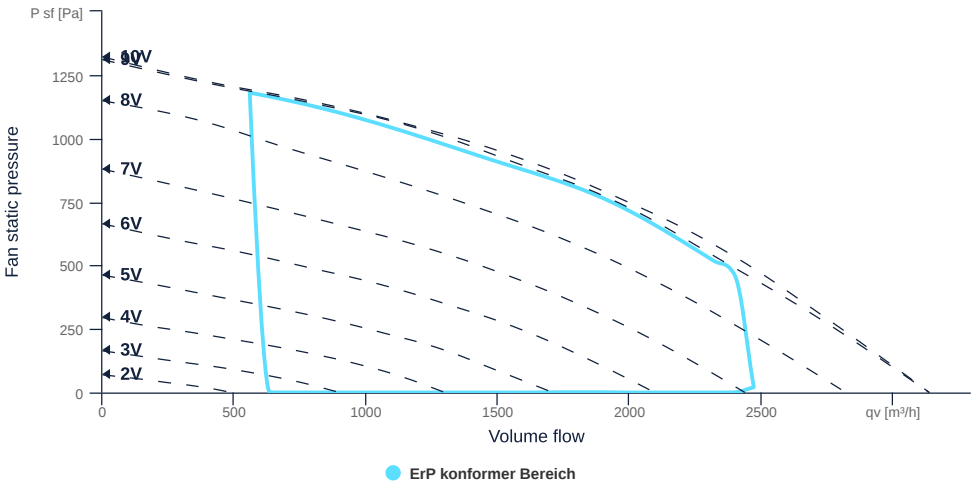
MAP

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



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ruck

GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	700x300		WxH _{duct}
Rated voltage (entire device)	400	V	U _{rated}
Phases (entire device)	3-N		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Galvanized steel		mat _{casing}
IP-protection class (casing)	IP41		IP _{casing}
Weight	430	kg	m
Nominal air flow rate, nominal point m³/h	1756.8	m³/h	q _{v,nom}
Nominal external pressure, static	825	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	92.1	%	t _{NRVU}
Nominal air flow rate, nominal point m³/s	0.49	m³/s	q _{v,nom}
Actual electrical input power, nominal point	1.84	kW	P _{e,nom}
Internal specific fan power, nominal point	1554.6	Ws/m³	SFP _{int}
Face velocity, nominal point	1.3	m/s	V _{nom}
Nominal external pressure, static	825	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	68.3	%	η _{es,SUP}
static efficiency of the extract fan, nominal point	68.3	%	η _{es,EHA}
Highest external air leakage rate	0.82	%	
Enclosure sound level, nominal point	67	dB(A)	L _{WA2}
Rating	Product is compliant 2018		



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MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	1950	W	P _{ed, max}
Max. operating current (device)	4	A	I _{ed, max}
Max. speed	3470	1/min	n _{max}
Max. stat. efficiency	42.1	%	η _{es}
Max. fan efficiency	42.2	%	η _e
Max. flowrate	3050	m³/h	q _{v, max}
Max. stat pressure	1320	Pa	p _{sf, max}
Max. medium temperature	40	°C	T _{m, max}
Max. environment temperature	40	°C	T _{amb, max}
Min. environment temperature	-20	°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		



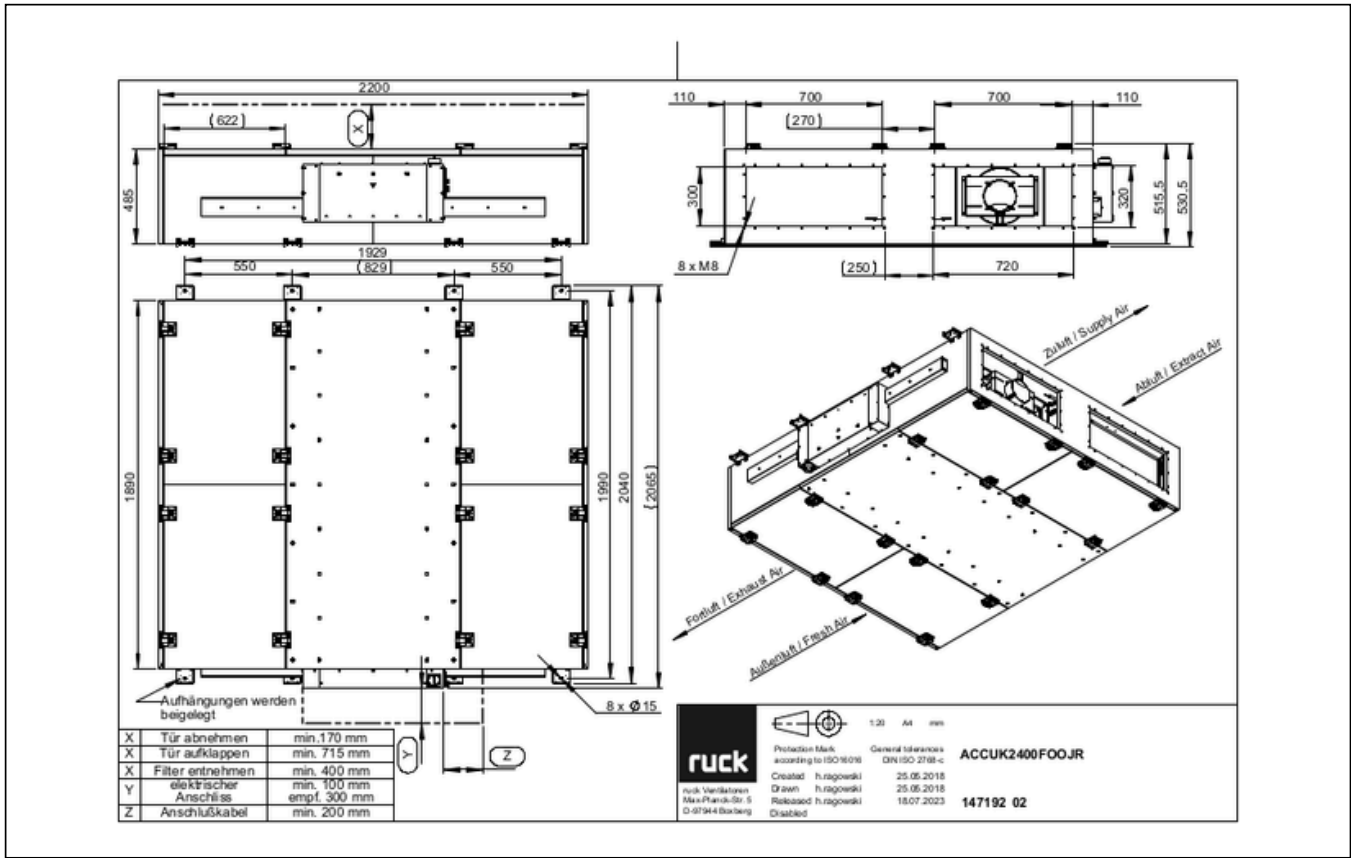
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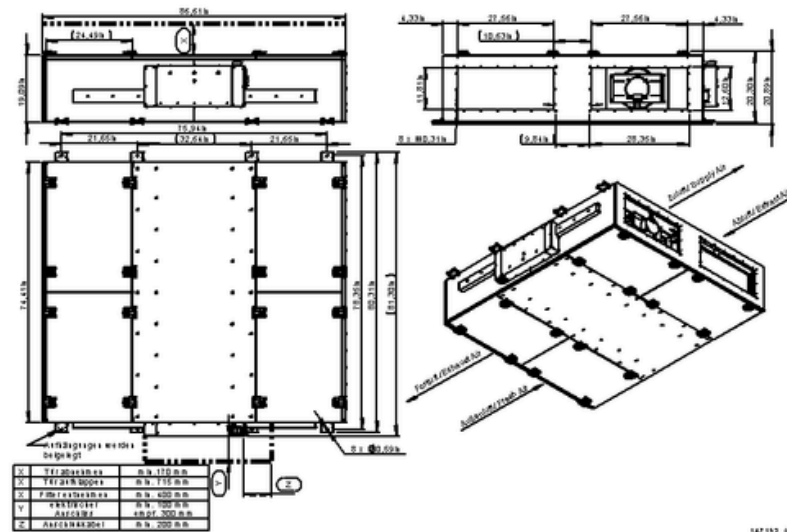
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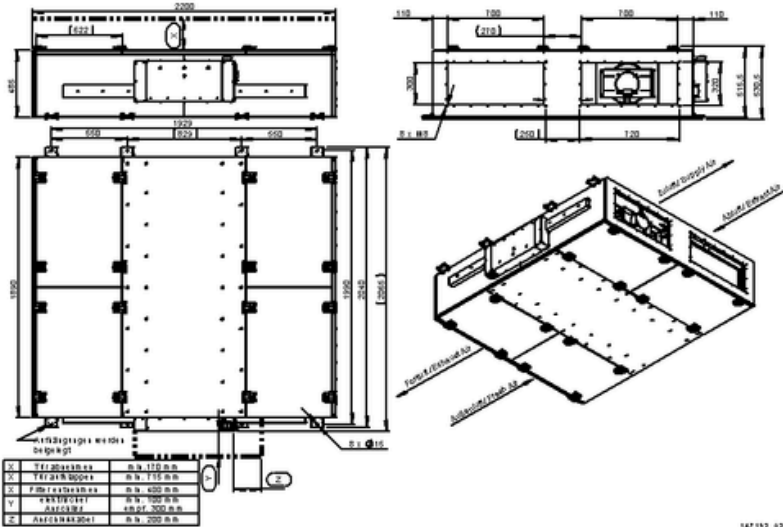
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS





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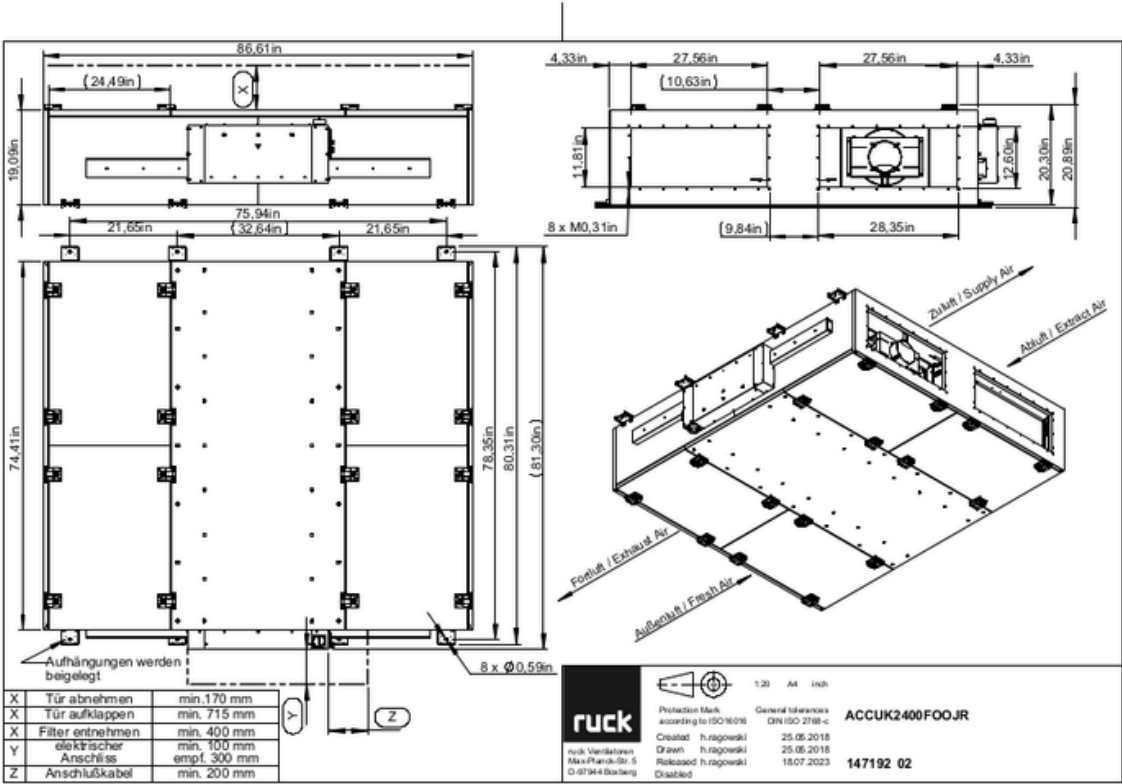
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MECHANICAL ACCESSORIES

VS 7030 | 141359



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

MAK F EA 03 FR | 164047



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

MAK F EA 03 3P | 164057



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

LFP 01 ISO ePM10 50% | 164367



- Air filter panel
- ISO ePM10 50% (M5)
- 892x426x96 mm

LFP 01 ISO ePM1 55% | 164368



- Air filter panel
- ISO ePM1 55% (F7)
- 892x426x96 mm

KWRI 9030 01 | 125549



- 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 9030 01 | 125552



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



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

