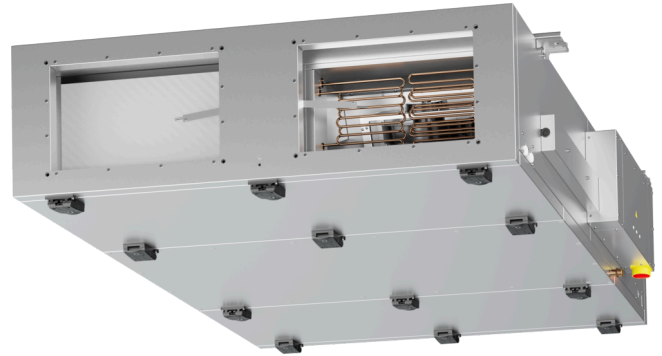


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- Flat air handling unit with counter flow heat exchanger
- Ceiling mounting, version right
- Frameless, double wall housing made of galvanized steel sheet, insulated
- Constant air flow EC fans, integrated controls
- Automatic summer bypass
- Electric heating, without cooling, panel filter F7/M5
- Constructed acc. to VDI 6022



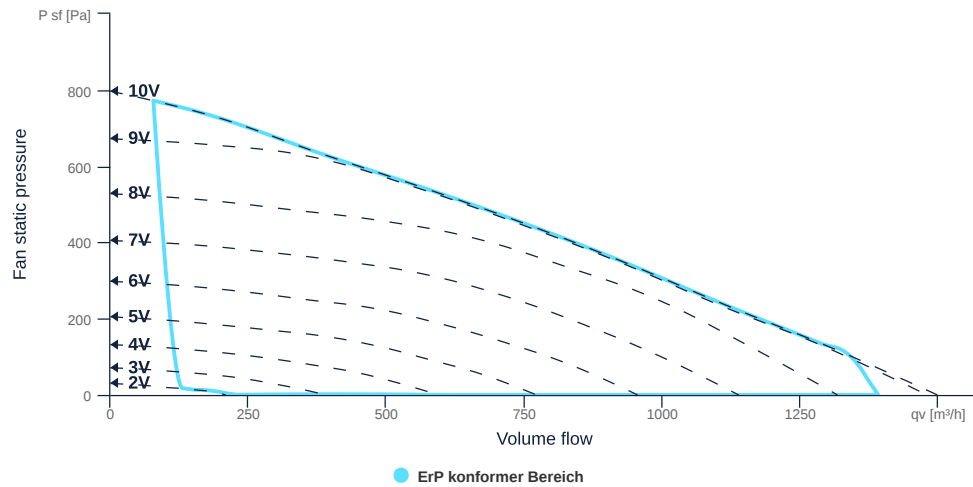
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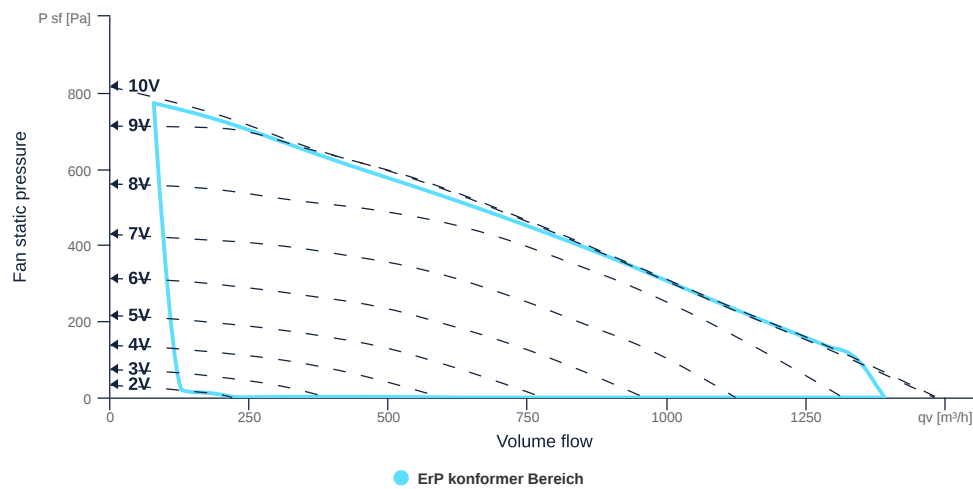
MAP

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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GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	500x300		WxH _{duct}
Rated voltage (entire device)	400	V	U _{rated}
Phases (entire device)	3-N		phase
Electrical protection (entire device)	16 A		fuse
Housing material	Galvanized steel		mat _{casing}
IP-protection class (casing)	IP41		IP _{casing}
Weight	247	kg	m
Nominal air flow rate, nominal point m ³ /h	622.8	m ³ /h	q _{v,nom}
Nominal external pressure, static	300.4	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	recuperative		HRS _{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 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	84.4	%	t _{NRVU}
Nominal air flow rate, nominal point m ³ /s	0.17	m ³ /s	q _{v,nom}
Actual electrical input power, nominal point	0.31	kW	P _{e,nom}
Internal specific fan power, nominal point	577.5	Ws/m ³	SFP _{int}
Face velocity, nominal point	0.7	m/s	V _{nom}
Nominal external pressure, static	300.4	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	54.9	%	η _{es,SUP}
static efficiency of the extract fan, nominal point	54.9	%	η _{es,EHA}
Highest external air leakage rate	2.46	%	
Enclosure sound level, nominal point	59	dB(A)	LWA2
Rating	Product is compliant 2018		



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MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	6700	W	$P_{ed, max}$
Max. operating current (device)	13	A	$I_{ed, max}$
Max. speed	2930	1/min	n_{max}
Max. stat. efficiency	31.7	%	η_{es}
Max. fan efficiency	31.8	%	η_e
Max. flowrate	1500	m ³ /h	$q_{v, max}$
Max. stat pressure	800	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	$T_{amb, min}$

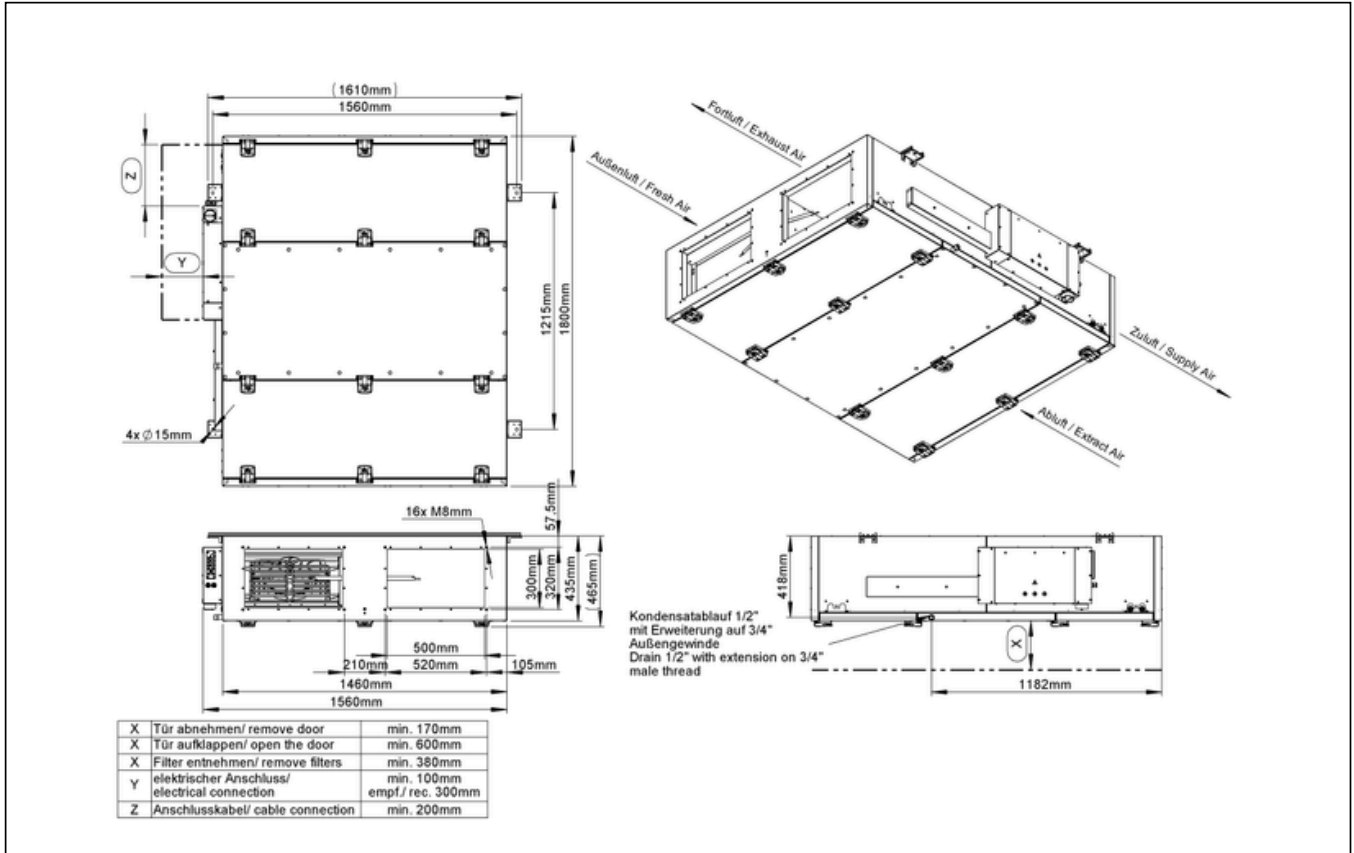
FILTER DATA

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

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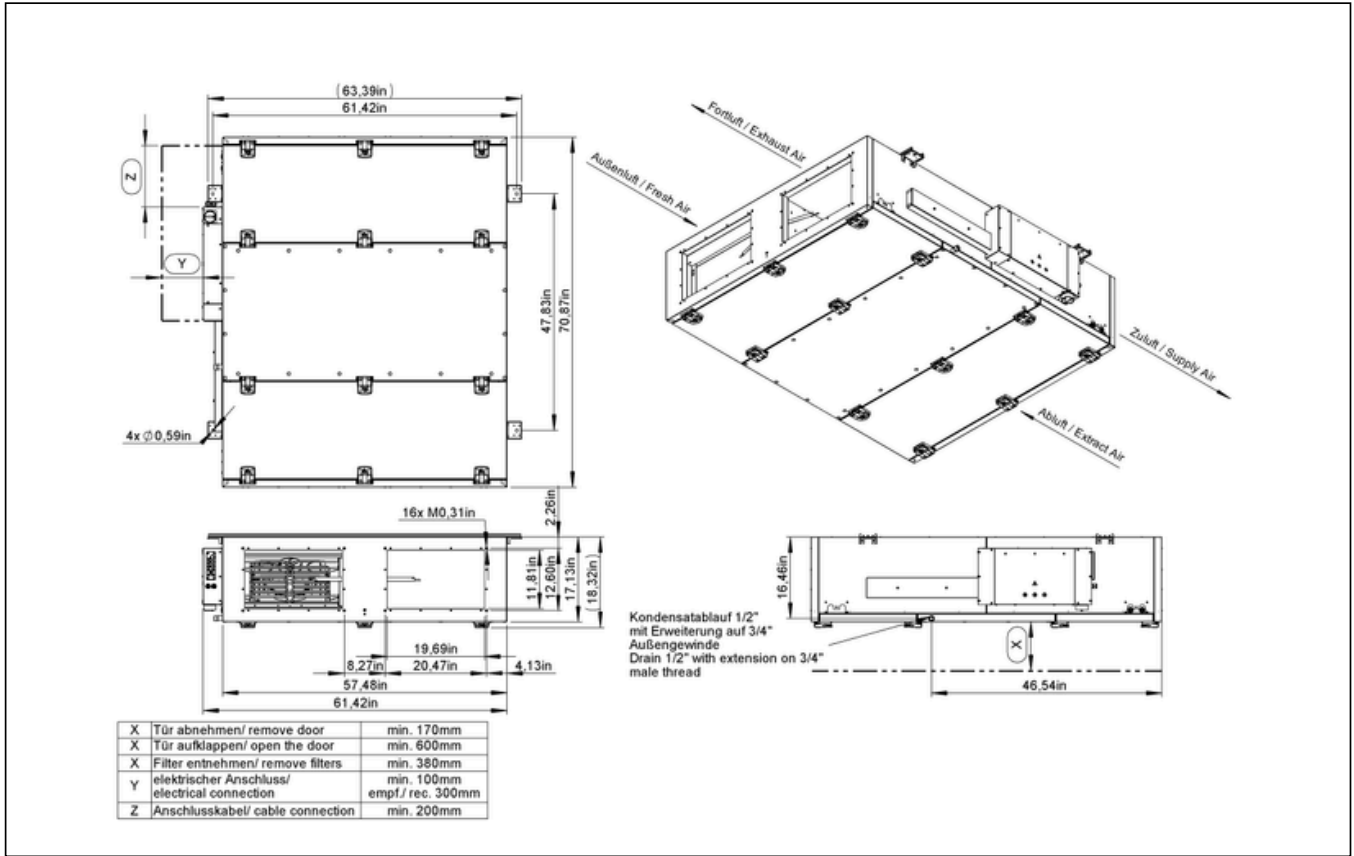
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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



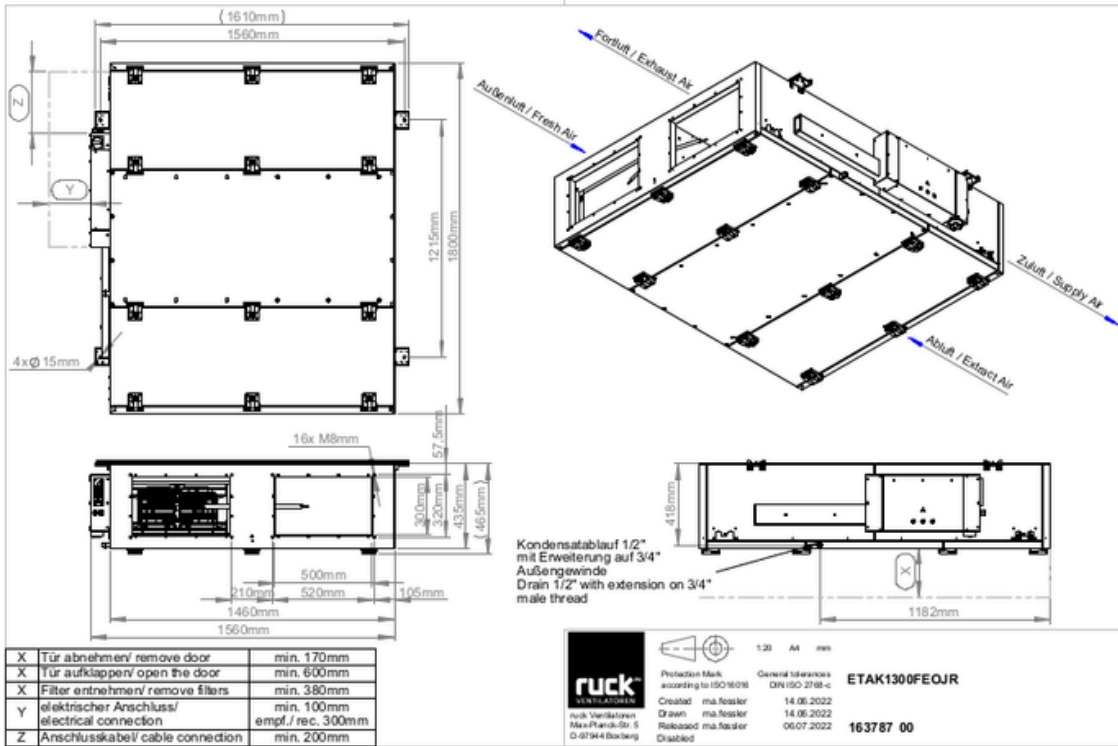
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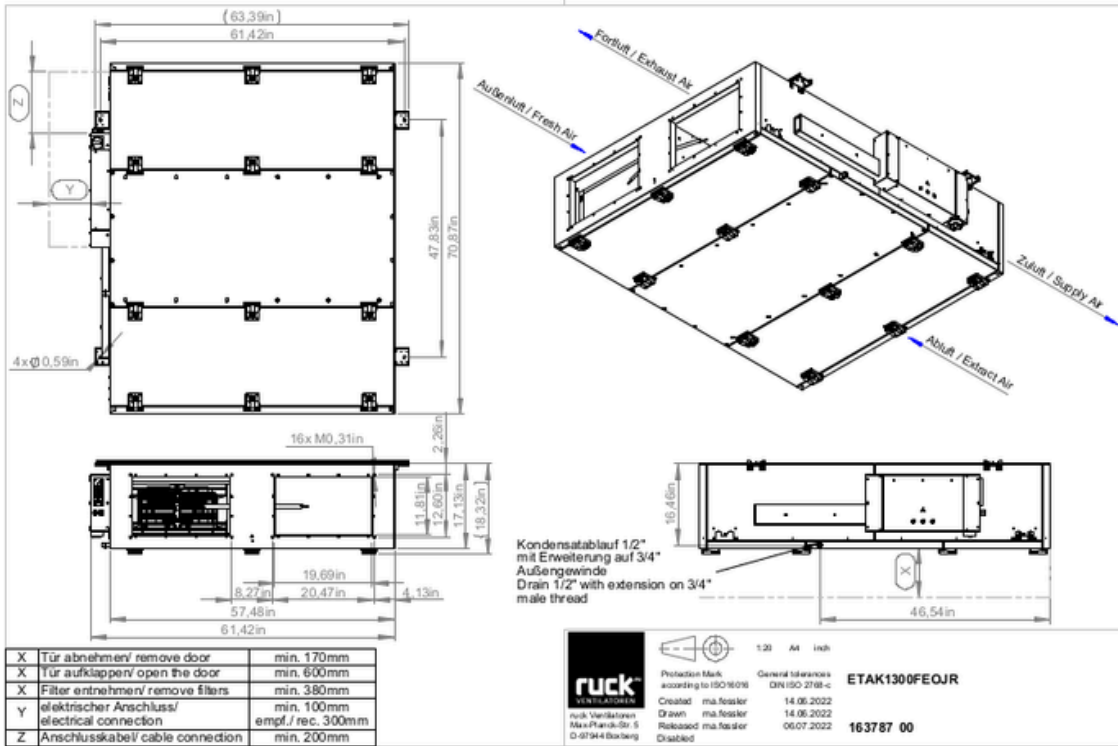
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