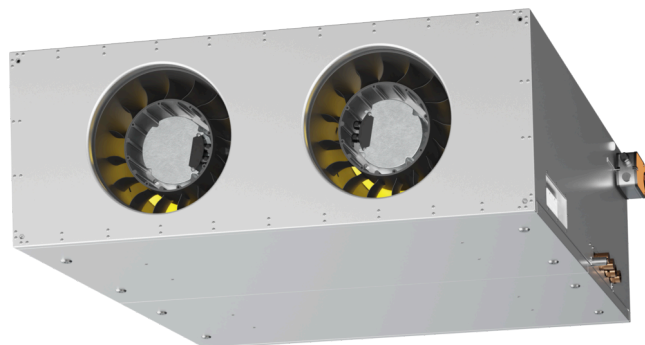


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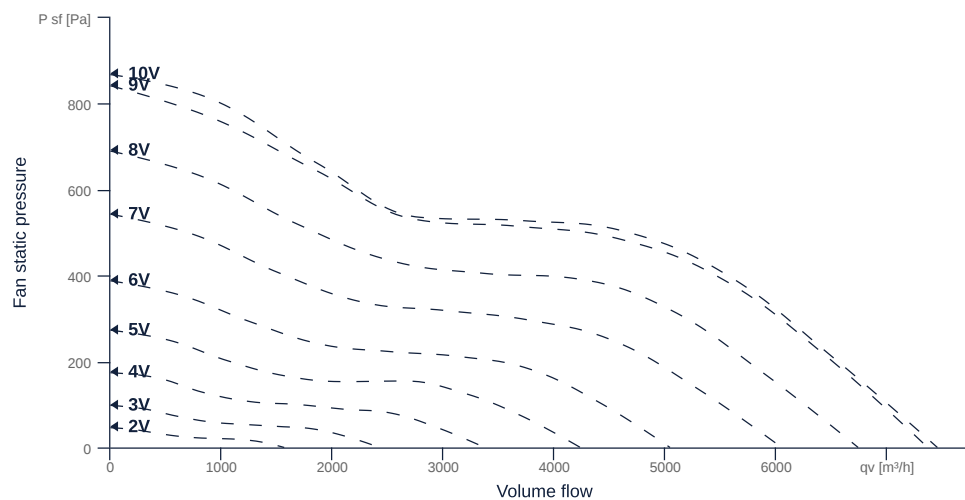
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- Flat supply air unit for ceiling mounting
- Frameless, double wall housing made of galvanized steel sheet, insulated
- EC diagonal fans, integrated controls
- Warm water heating, without cooling
- Panel Filter M5
- Actuator multileaf damper OPEN/CLOSED



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	CE, UKCA		
Rated voltage (entire device)	230	V	U_{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	10 A		fuse
Weight	114	kg	m
Nominal air flow rate, nominal point m³/h	4449.6	m³/h	$Q_{v,nom}$
Nominal external pressure, static	465	Pa	$p_{s,nom}$
Connection side supply air	-		L/R
Type of the ventilation-unit	UVU - with air treatment		AHUs _{type}
Type of the heater	Hot water		H _{type}
Type of cooler	No		C _{type}
Outdoor installation	No		outdoor
Speed control	variable speed control		VSD _{type}

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Energy performance supply air filter	E		
Nominal air flow rate, nominal point m³/s	1.24	m³/s	$Q_{v,nom}$
Actual electrical input power, nominal point	1.32	kW	$P_{e,nom}$
Internal specific fan power, nominal point	229	Ws/m³	SFP _{int}
Face velocity, nominal point	6.2	m/s	v_{nom}
Nominal external pressure, static	465	Pa	$p_{s,nom}$
supply air fan static efficiency, nominal point	59.3	%	$\eta_{es,SUP}$
Highest external air leakage rate	2	%	
Rating	Product is compliant 2018		

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	1468	W	$P_{ed,max}$
Max. operating current (device)	6.74	A	$I_{ed,max}$
Max. speed	3010	1/min	n_{max}
Max. stat. efficiency	42.4	%	η_{es}
Max. fan efficiency	45.2	%	η_e
Max. flowrate	7440	m³/h	$Q_{v,max}$
Max. stat pressure	870	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	$T_{amb,min}$



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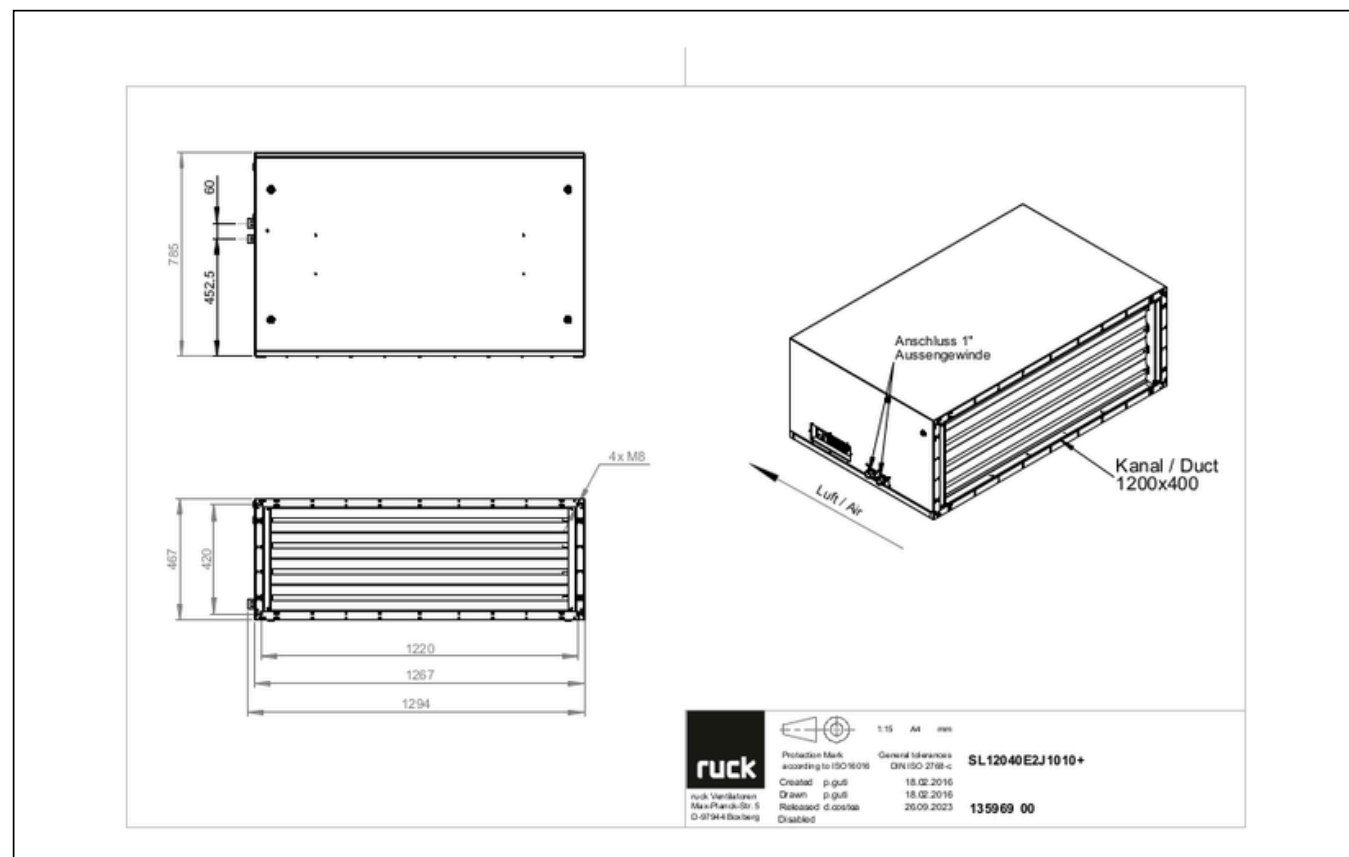
MOTOR DATA

Name	Value	Unit	Formula symbol
Rated frequency (device)	50		f
Is pole-changeable	No		polexch



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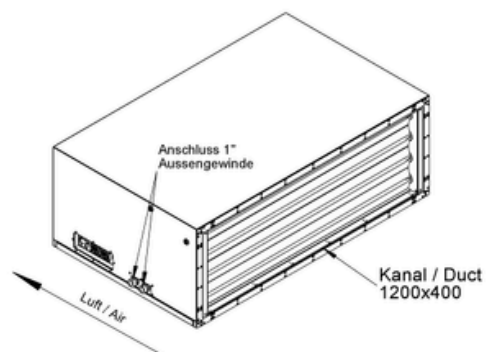
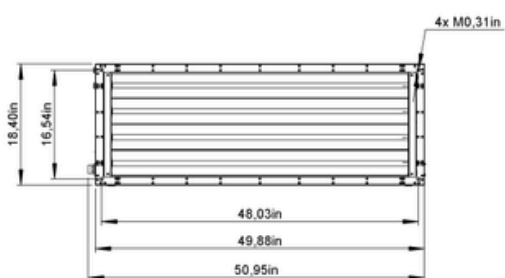
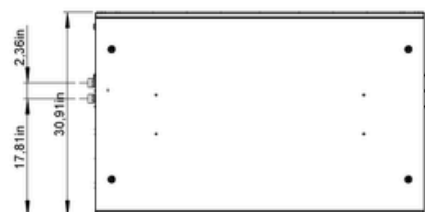
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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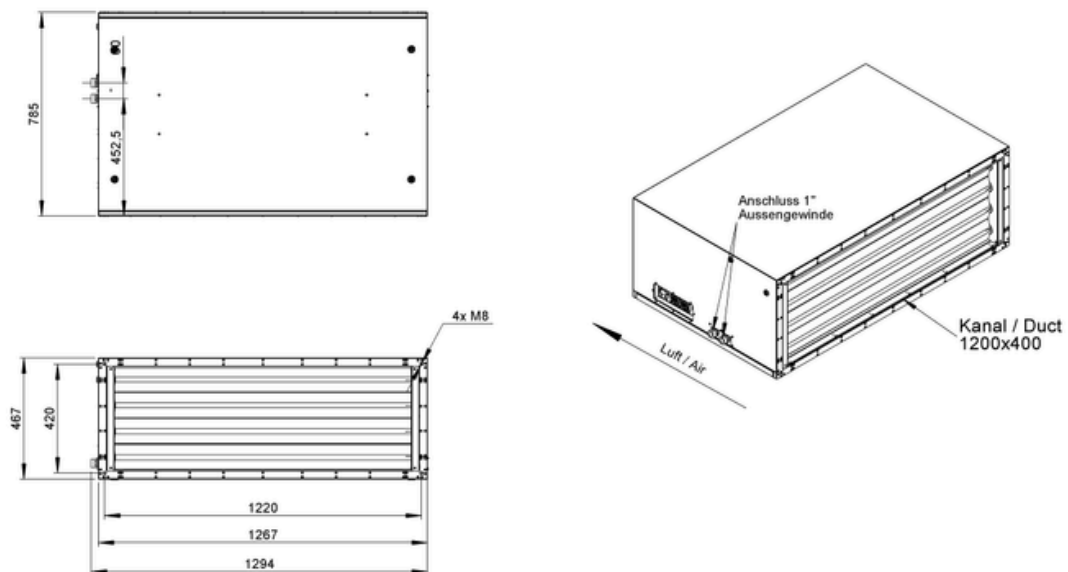


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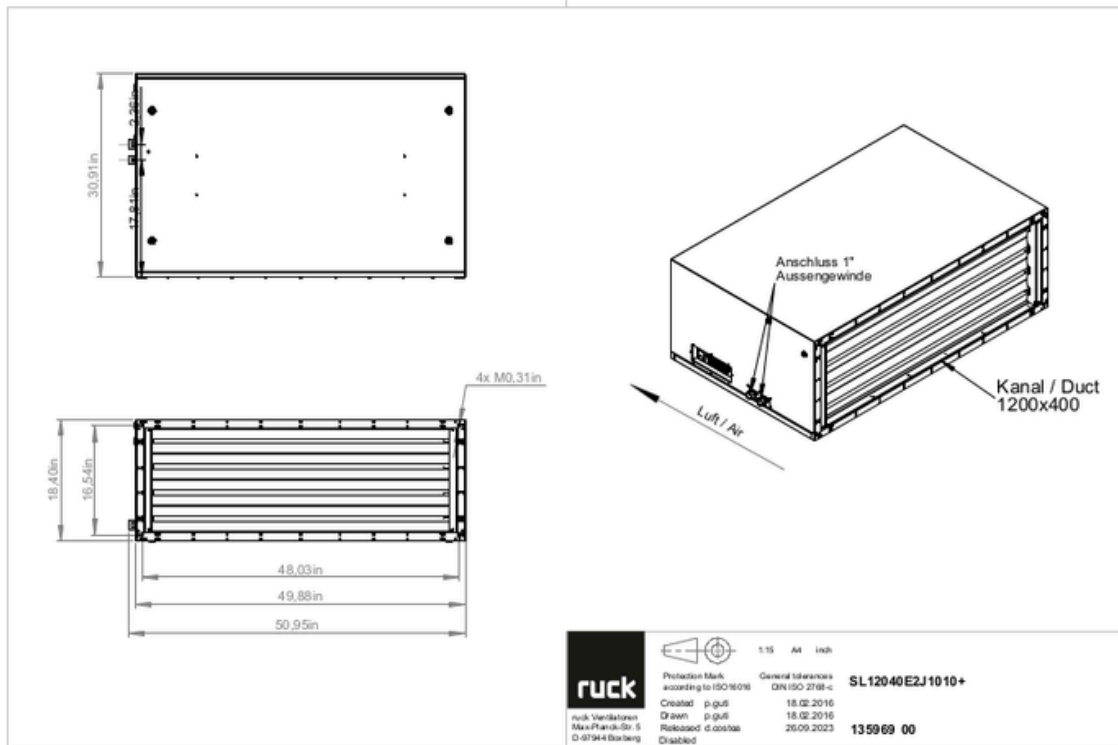
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MECHANICAL ACCESSORIES

VS 12040 | 127080



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

DVRI 12040 01 | 151921



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

KWRI 12040 01 | 152059



- 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)

LFP 23 ISO ePM10 50% | 168760



- Air filter panel
- ISO ePM10 65%
- 1192x387x96 mm

LFP 23 ISO ePM1 55% | 168767



- Air filter panel
- ISO ePM1 55%
- 1192x387x96 mm



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ELECTRICAL ACCESSORIES

STK 03 | 112936



- 3-way ball-valve with actuator 230 V
- With actuator: Control 3-punct or ON/OFF
- Connections internal thread 1 ``
- Temperature range 0 °C...+50 °C

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

TEM 035V | 136273



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

SEN RH | 148636



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

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



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