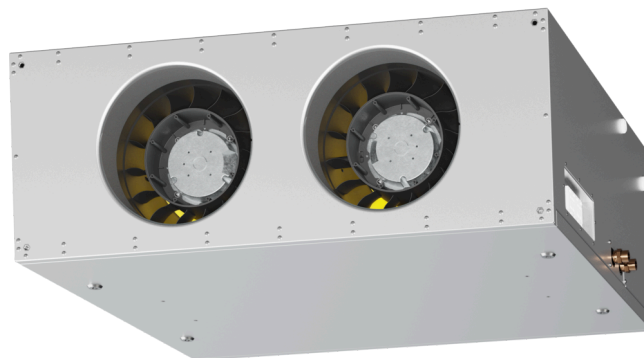


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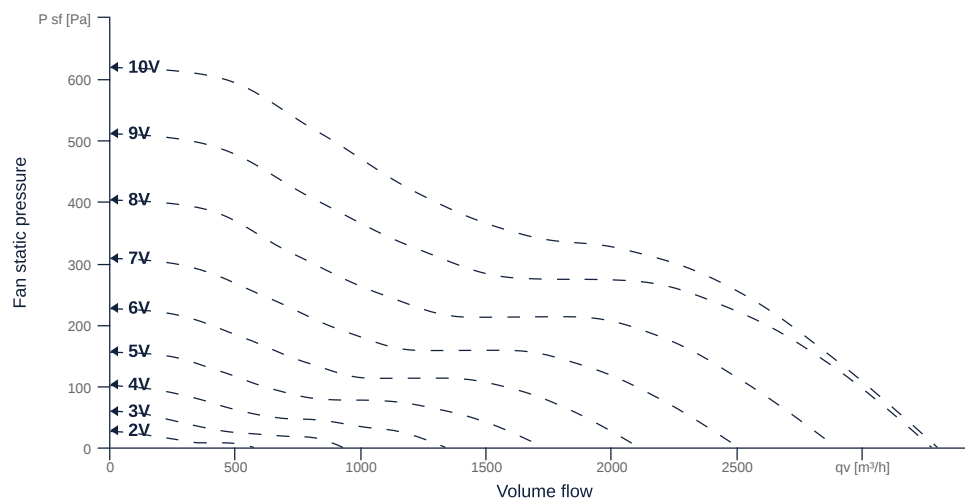
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- Flat supply air unit for ceiling mounting
- Frameless, double wall housing made of galvanized steel sheet, insulated
- EC diagonal fans, integrated controls
- Warm water heating, DX cooling
- Panel Filter M5
- Actuator multileaf damper OPEN/CLOSED



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)	6 A		fuse
IP-protection class (entire device)	IPX4		IP _{compl}
Weight	100	kg	m
Nominal air flow rate, nominal point m³/h	2998.8	m³/h	Q _{v,nom}
Nominal external pressure, static	100	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	Hot water		H _{type}
Type of cooler	Evaporator		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	0.83	m³/s	Q _{v,nom}
Actual electrical input power, nominal point	0.54	kW	P _{e,nom}
Internal specific fan power, nominal point	190	Ws/m³	SFP _{int}
Face velocity, nominal point	3.1	m/s	v _{nom}
Nominal external pressure, static	100	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	60.1	%	η _{es,SUP}
Highest external air leakage rate	1.7	%	
Enclosure sound level, nominal point	67	dB(A)	LWA2
Rating	Product is compliant 2018		



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MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	545	W	P _{ed, max}
Max. operating current (device)	3.73	A	I _{ed, max}
Max. speed	3220	1/min	n _{max}
Max. stat. efficiency	33.9	%	η _{es}
Max. fan efficiency	34.1	%	η _e
Max. flowrate	3290	m³/h	q _{v, max}
Max. stat pressure	620	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}

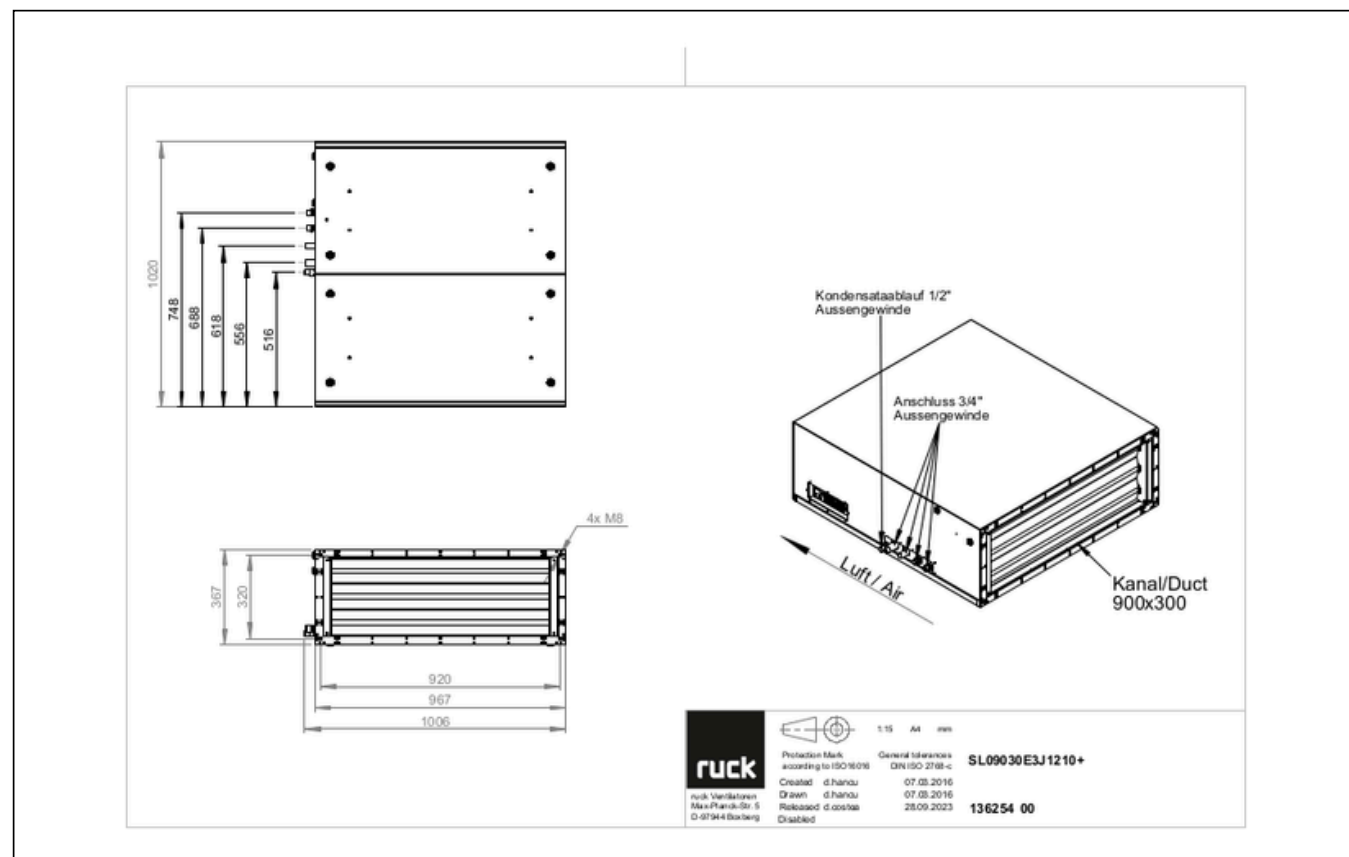
MOTOR DATA

Name	Value	Unit	Formula symbol
Rated frequency (device)	50		f
Is pole-changeable	No		pol _{exch}



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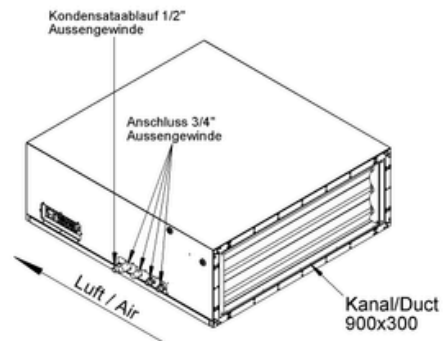
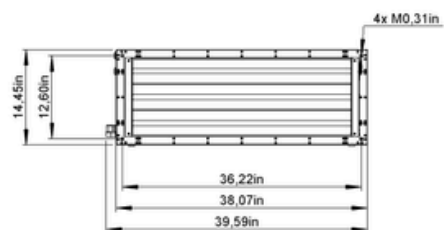
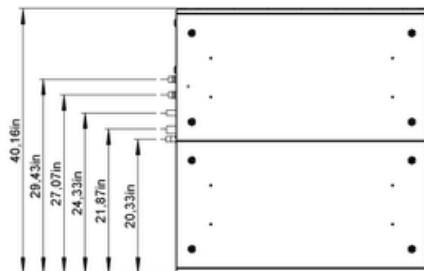
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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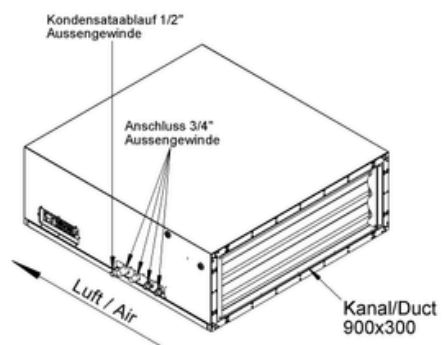
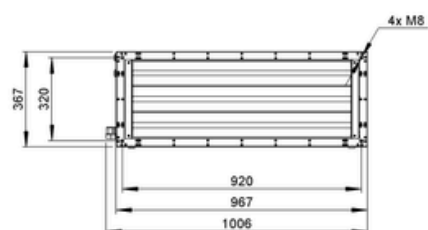
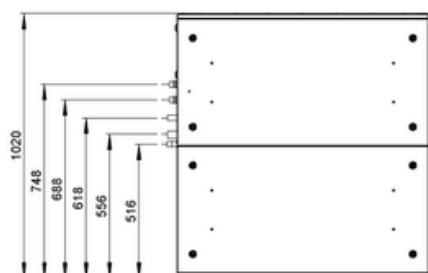


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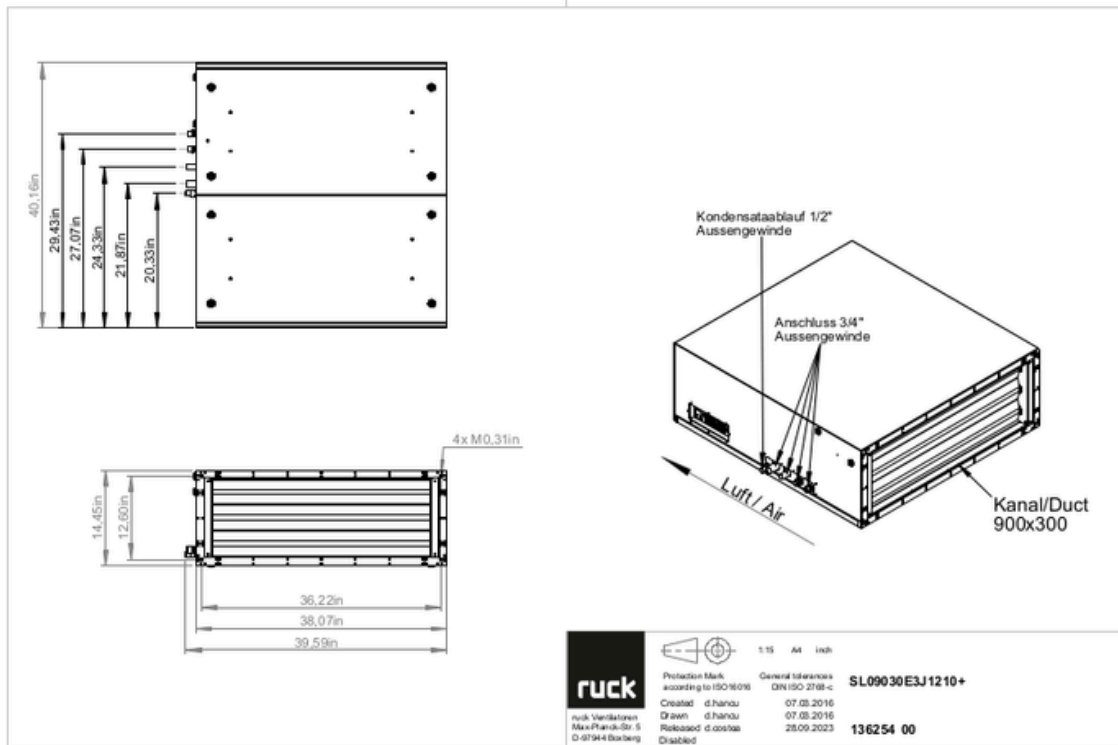
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MECHANICAL ACCESSORIES

VS 9030 | 110865



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

SYS 02 | 125204



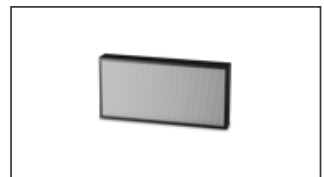
- Ball siphon
- Type suction side

LFP 20 ISO ePM1 55% | 168725



- Air filter panel
- ISO ePM1 55%
- 892x287x96 mm

LFP 20 ISO ePM10 50% | 168726



- Air filter panel
- ISO ePM10 50%
- 892x287x96 mm



ELECTRICAL ACCESSORIES

STK 02 | 112935



- 3-way ball-valve with actuator 230 V
- With actuator: Control 3-punct or ON/OFF
- Connections internal thread 3/4"
- Temperature range 0 °C...+50 °C

EHM 6030 R09 01 | 121427



- Electric heating module 60/30, 9 kW
- Steady temperature control
- Automatic device detection
- Connection side in supply air direction right

EHM 6030 L09 01 | 121428



- Electric heating module 60/30, 9 kW
- Steady temperature control
- Automatic device detection
- Connection side in supply air direction left

EHM 6030 R18 01 | 121429



- Electric heating module 60/30, 18 kW
- Steady temperature control
- Automatic device detection
- Connection side in supply air direction right

EHM 6030 L18 01 | 121430



- Electric heating module 60/30, 18 kW
- Steady temperature control
- Automatic device detection
- Connection side in supply air direction left

EHM 6030 R27 01 | 121431



- Electric heating module 60/30, 27 kW
- Steady temperature control
- Automatic device detection
- Connection side in supply air direction right

EHM 6030 L27 01 | 121432



- Electric heating module 60/30, 27 kW
- Steady temperature control
- Automatic device detection
- Connection side in supply air direction left

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

STK 02 | 168737



- 3-way ball-valve with actuator 230 V
- With actuator: Control 3-punct or ON/OFF
- Connections internal thread 3/4"
- Temperature range 0 °C...+50 °C



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