

ETA K 1300 H ODJR

165419

- Compact air handling unit with counter flow heat exchanger
- Horizontal connections, version right
- Frameless, double wall housing made of galvanized steel sheet, insulated
- Without heating, DX cooling, panel filter F7/M5
- For indoor and outdoor installation (optional accessories)
- Constructed acc. to VDI 6022
- Attention: Please note the calculated cooling/heating capacity and the displayed volume of the DX coils



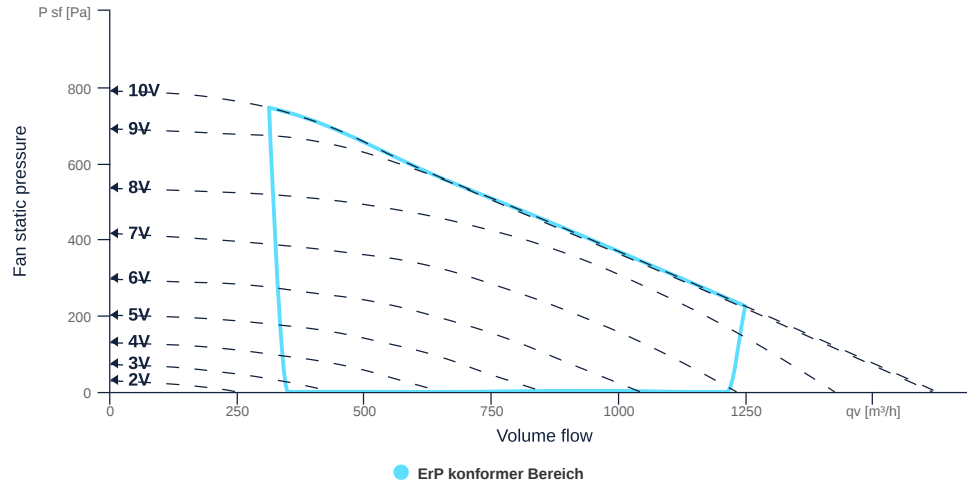
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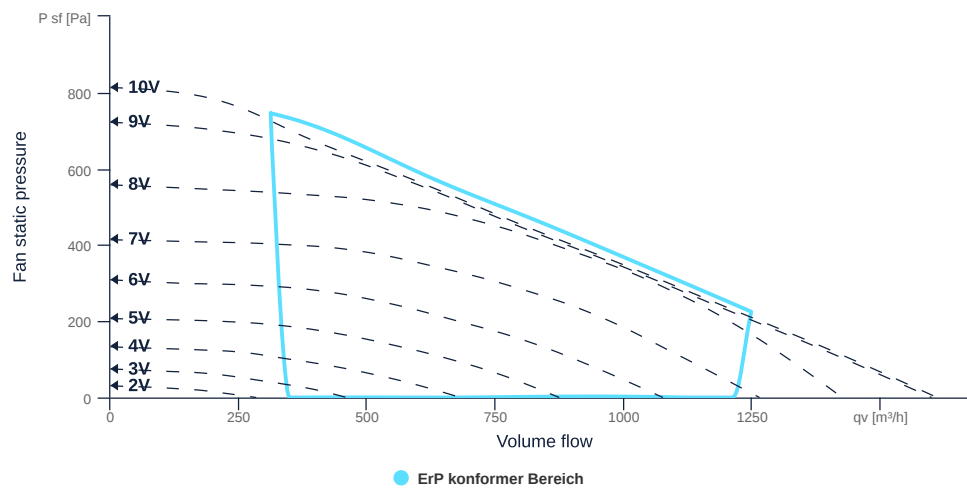
MAP

| 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) | 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) | IP44 | | IP _{compl} |
| Weight | 230 | kg | m |
| Nominal air flow rate, nominal point m ³ /h | 702 | m ³ /h | q _{v,nom} |
| Nominal external pressure, static | 338.6 | 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 | Condenser | | H _{type} |
| Type of cooler | Evaporator | | C _{type} |
| Outdoor installation | Yes, up to -20°C | | 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 | 82.2 | % | t _{NRVU} |
| Nominal air flow rate, nominal point m ³ /s | 0.2 | m ³ /s | q _{v,nom} |
| Actual electrical input power, nominal point | 0.35 | kW | P _{e,nom} |
| Internal specific fan power, nominal point | 388.1 | Ws/m ³ | SFP _{int} |
| Face velocity, nominal point | 0.7 | m/s | V _{nom} |
| Nominal external pressure, static | 338.6 | Pa | p _{s,nom} |
| supply air fan static efficiency, nominal point | 55.1 | % | η _{es,SUP} |
| static efficiency of the extract fan, nominal point | 55.1 | % | η _{es,EHA} |
| Enclosure sound level, nominal point | 65 | dB(A) | LWA ₂ |
| Rating | Product is compliant 2018 | | |



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MAXIMAL DATA

| Name | Value | Unit | Formula symbol |
|---------------------------------|-------|-------------------|----------------|
| Max. power consumption (device) | 590 | W | $P_{ed, max}$ |
| Max. operating current (device) | 4 | A | $I_{ed, max}$ |
| Max. speed | 2960 | 1/min | n_{max} |
| Max. stat. efficiency | 37.3 | % | η_{es} |
| Max. fan efficiency | 37.4 | % | η_e |
| Max. flowrate | 1625 | m ³ /h | $q_{v, max}$ |
| Max. stat pressure | 790 | 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 | | |

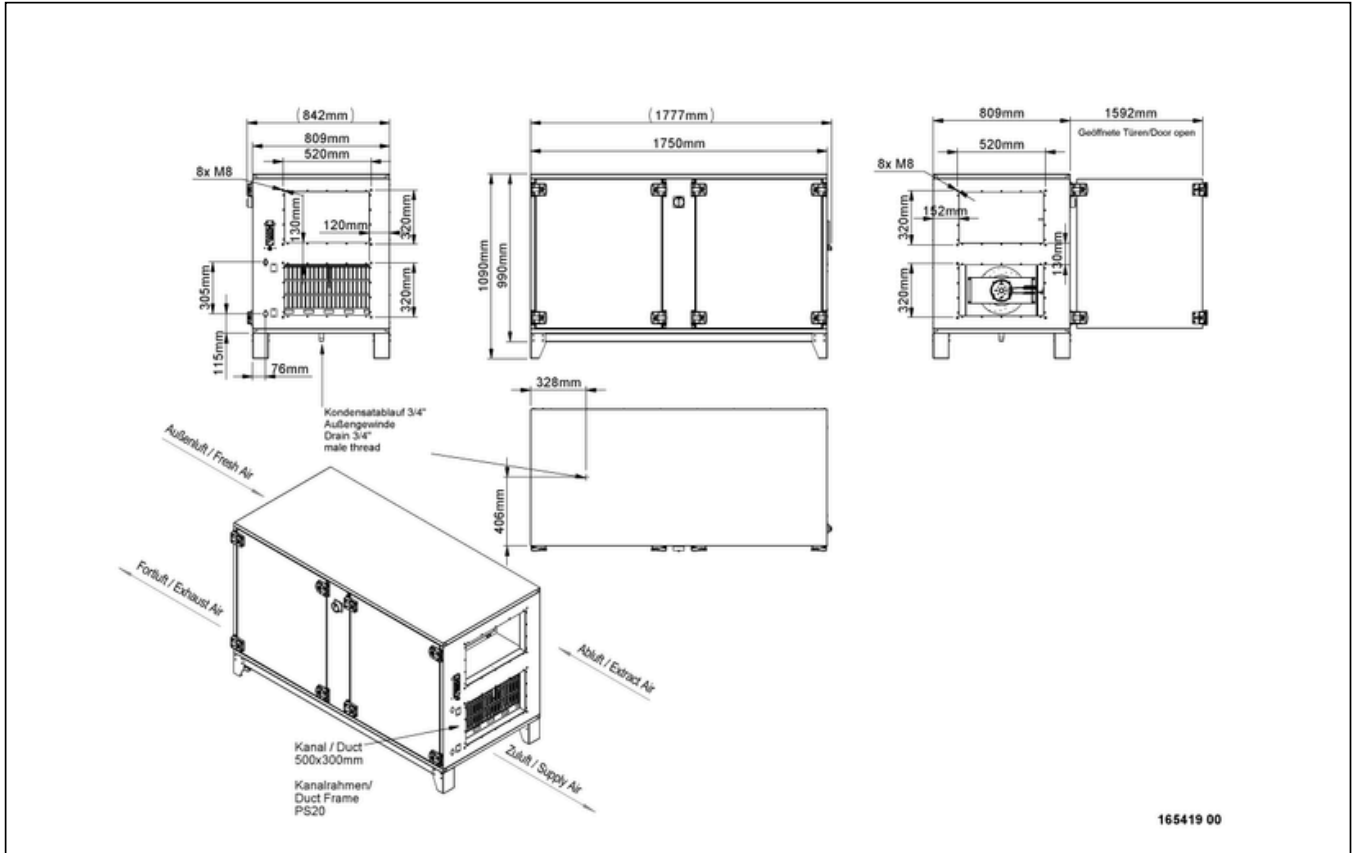
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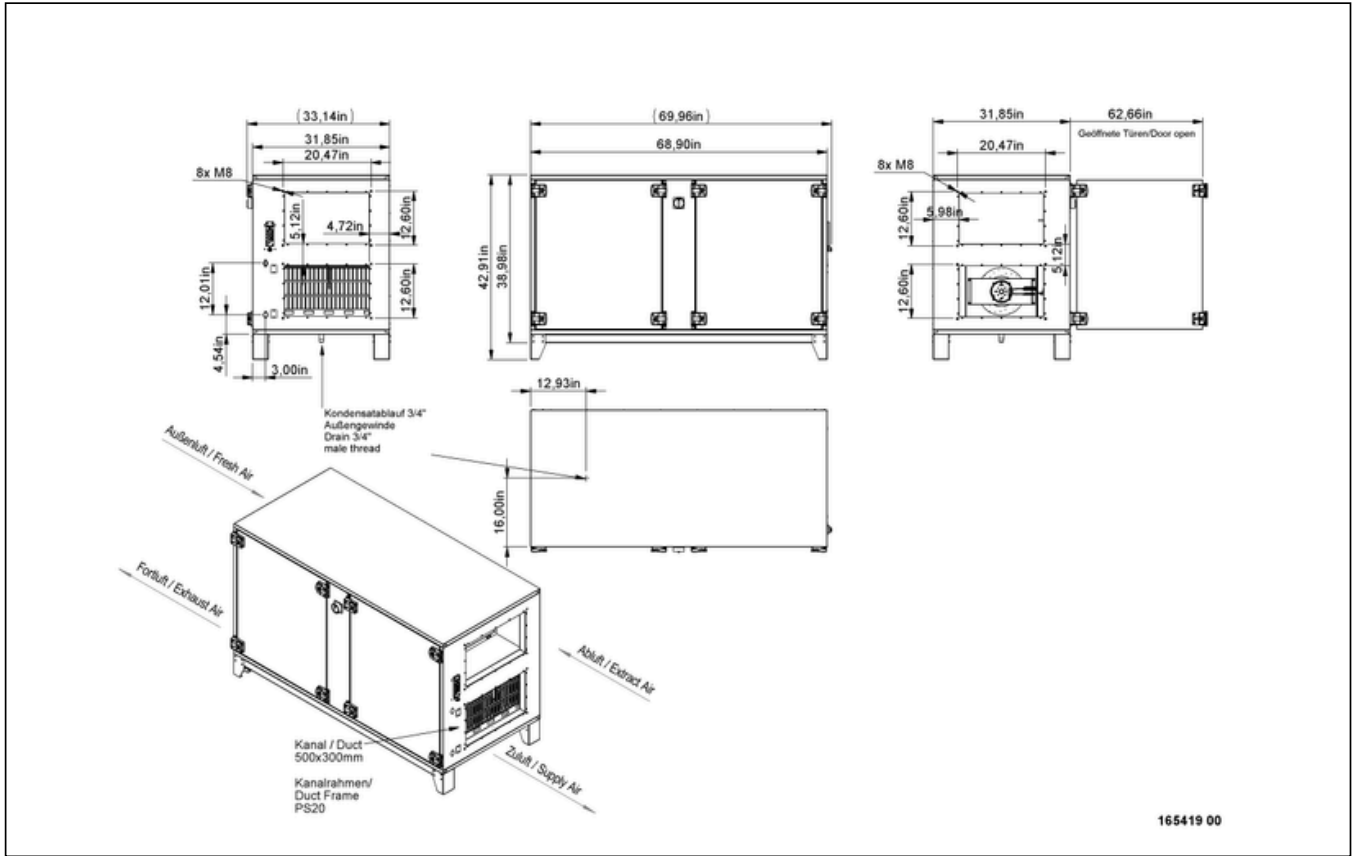
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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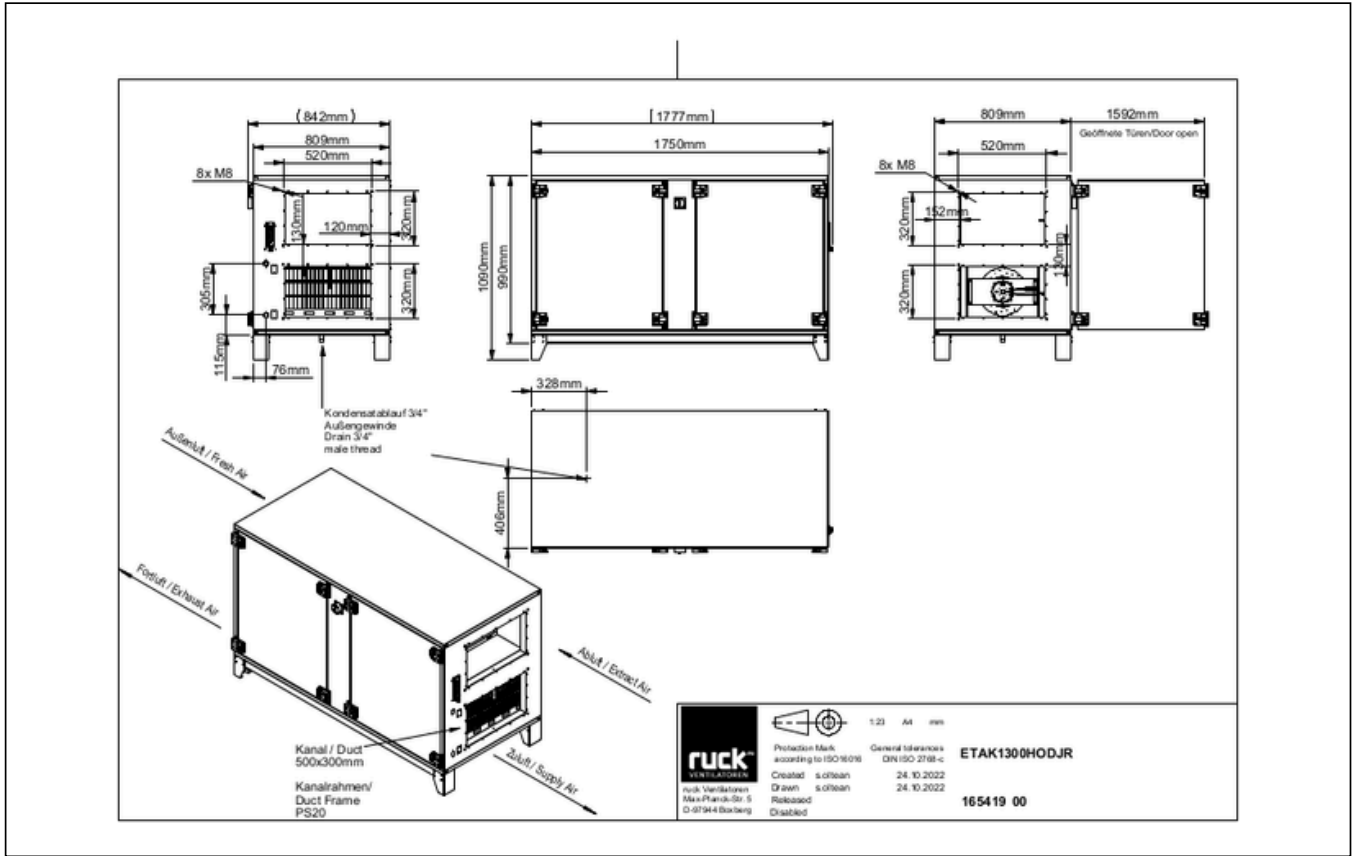
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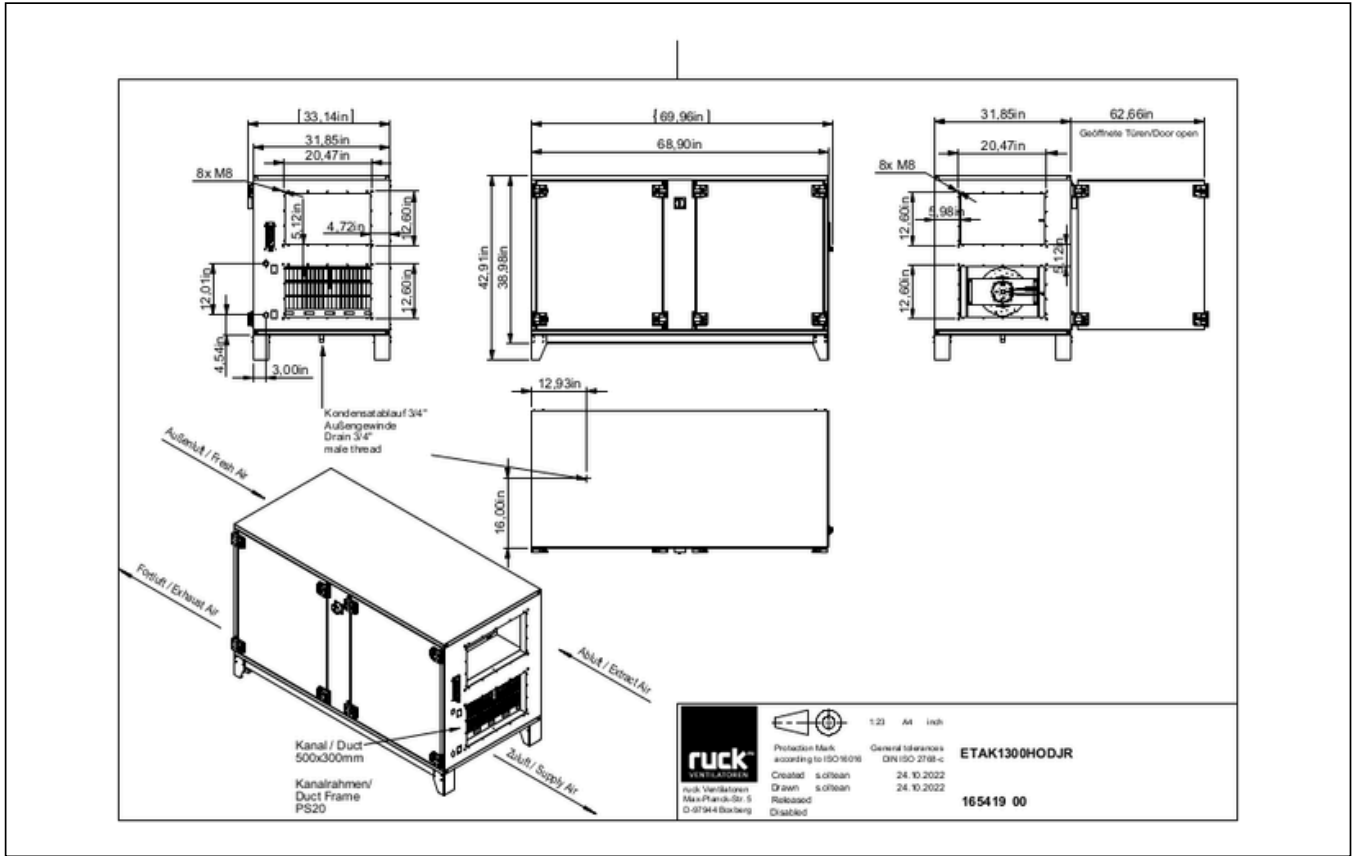
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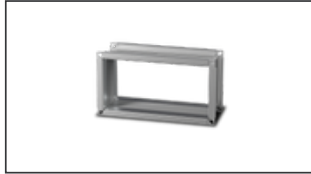
MECHANICAL ACCESSORIES

RSK 355D | 113491



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

VS 5030 | 102805



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

UKR 5030 03 | 138621



- Transition duct / tube
- Steel sheet, galvanized
- 500 x 300 mm / NW 355 mm with seal lips

UKR 5030 04 | 138688



- Transition duct / tube
- Steel sheet, galvanized
- 500 x 300 mm / NW 315 mm with seal lips

VM 355 | 102653



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

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 315 02 | 125467



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

MAK 355 02 | 125476



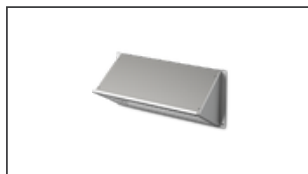
- Motor shut-off flap
- With actuator 3-point-control, with actuator 230 V, 50 Hz

SYS 01 | 123971



- Ball siphon
- Type suction side

WSH ETA K 1200 H / 1300 H | 142528



- Weather protection hood
- Galvanized steel sheet

MAK 315 01 | 125466



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

MAK 355 01 | 125475



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

RSK 315D | 113489



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

VM 315 | 102652



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

MAK H E 02 FR | 164555



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

MAK H E 02 3P | 164559

RD ETA K 1300 H | 165408

LFP 76 ISO ePM1 55% | 168771

LFP 76 ISO ePM10 50% | 168778



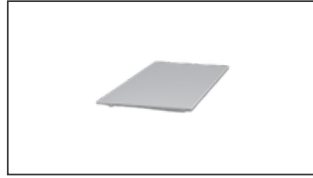
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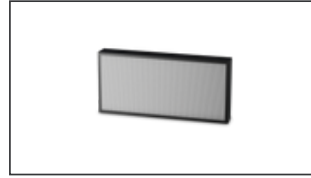
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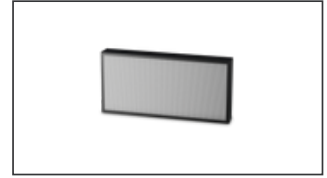
- Motorized shut-off flap
- Made of galvanized sheet steel, insulated
- Open-close, with 3-point control
- Actuator 230 V, 50/60 Hz



- Rain cover for outdoor installation
- Galvanized steel sheet



- Air filter panel
- ISO ePM1 55%
- 700x400x96 mm



- Air filter panel
- ISO ePM10 50%
- 700x400x96 mm

SDS 315 | 169609



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

SDS 355 | 169611



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



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ELECTRICAL ACCESSORIES

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 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

STK 05 | 168731



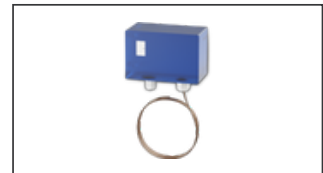
- 3-way ball-valve with actuator 230 V
- With actuator: Control 3-punct or ON/OFF
- Connections internal thread 1/2"
- Temperature range 0 °C...+50 °C

SEN CO2 02 | 168750



- Sensor for demand-based volume flow control
- 24 V AC ± 20 %, 15 - 35 V DC or 19 - 29 V AC
- Output 0 - 10 V DC
- Measurement 0 - 2000 ppm CO2

THE 02 | 168720



- Frost protection thermostat
- Control range -10 °C...+12 °C, temperature range -10 °C...+55 °C
- Output switching contact 1-pole changeover switch resp. contact
- Capillary length 6 m

THE 01 | 168724



- Frost protection thermostat
- Control range -10 °C...+12 °C, temperature range -10 °C...+55 °C
- Output switching contact 1-pole changeover switch resp. contact
- Capillary length 1,8 m

SEN RH 02 | 172658



- Humidity sensor
- Humidity 0..100 % rH
- Output 2 x 0-10V
- 15..35Vdc or 19..25Vac

