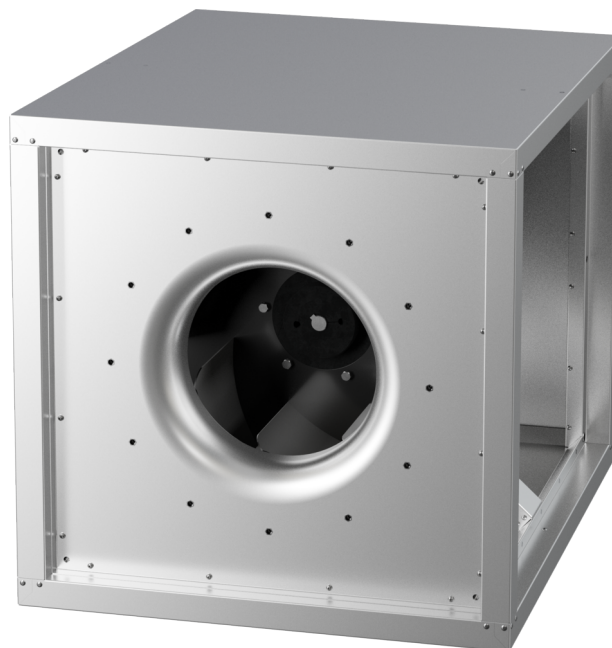


# MPC 400 D4 40

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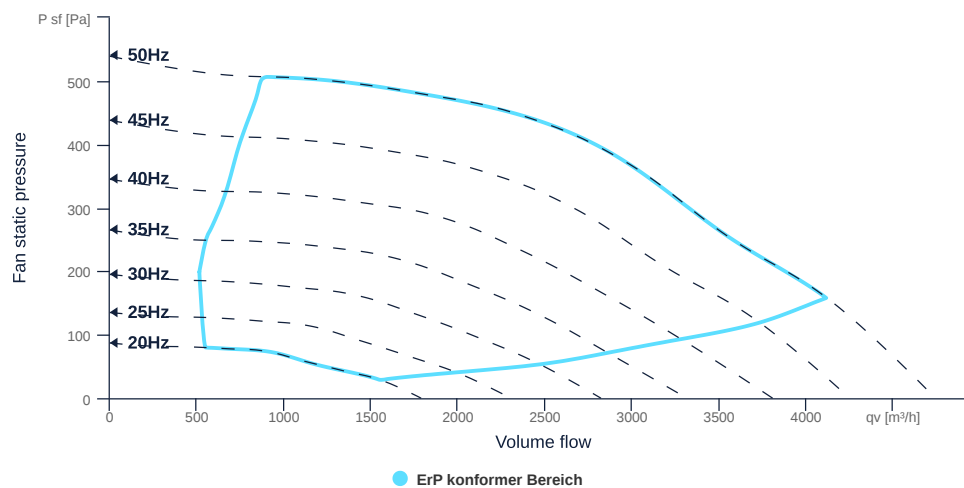
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- Radial fan with backward curved impeller
- Variable discharge direction right / left / linear
- Double wall housing made of galvanized steel sheet, insulated
- Efficient IE3 motor, frequency controllable
- Motor protection via frequency converter or motor protection switch
- With bottom tray



## MAP

| Name        | Value | Unit |
|-------------|-------|------|
| Volume flow | 0     | m³/h |
| Pressure    | 0     | Pa   |



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# MPC 400 D4 40

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## GENERAL DATA

| Name                      | Value | Unit | Formula symbol      |
|---------------------------|-------|------|---------------------|
| ERP conformity            | Yes   |      |                     |
| Duct size                 | -     |      | WxH <sub>duct</sub> |
| Pipe connection size (DN) | DN500 |      | DN                  |



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## GENERAL DATA

| Name                                      | Value            | Unit | Formula symbol      |
|-------------------------------------------|------------------|------|---------------------|
| Rated voltage (entire device)             | 400              | V    | $U_{rated}$         |
| Phases (entire device)                    | 3~               |      | phase               |
| Electrical protection (entire device)     | 6 A              |      | fuse                |
| Housing material                          | Galvanized steel |      | matcasing           |
| Impeller material                         | Steel            |      | matimpeller         |
| Weight                                    | 66               | kg   | m                   |
| Nominal air flow rate, nominal point m³/h | 2732.4           | m³/h | $q_{v,nom}$         |
| Nominal external pressure, static         | 407.3            | Pa   | $p_{s,nom}$         |
| Fan type                                  | Radial           |      | Fan <sub>type</sub> |
| Category / Installation situation         | A                |      | cat                 |

## ERP DATA (LOT 6)

| Name                                            | Value                     | Unit  | Formula symbol   |
|-------------------------------------------------|---------------------------|-------|------------------|
| Nominal air flow rate, nominal point m³/s       | 0.76                      | m³/s  | $q_{v,nom}$      |
| Actual electrical input power, nominal point    | 0.55                      | kW    | $P_{e,nom}$      |
| Face velocity, nominal point                    | 2.4                       | m/s   | $v_{nom}$        |
| Nominal external pressure, static               | 407.3                     | Pa    | $p_{s,nom}$      |
| supply air fan static efficiency, nominal point | 58.2                      | %     | $\eta_{es,SUP}$  |
| Highest external air leakage rate               | 0.02                      | %     |                  |
| Enclosure sound level, nominal point            | 61                        | dB(A) | L <sub>WA2</sub> |
| Rating                                          | Product is compliant 2018 |       |                  |

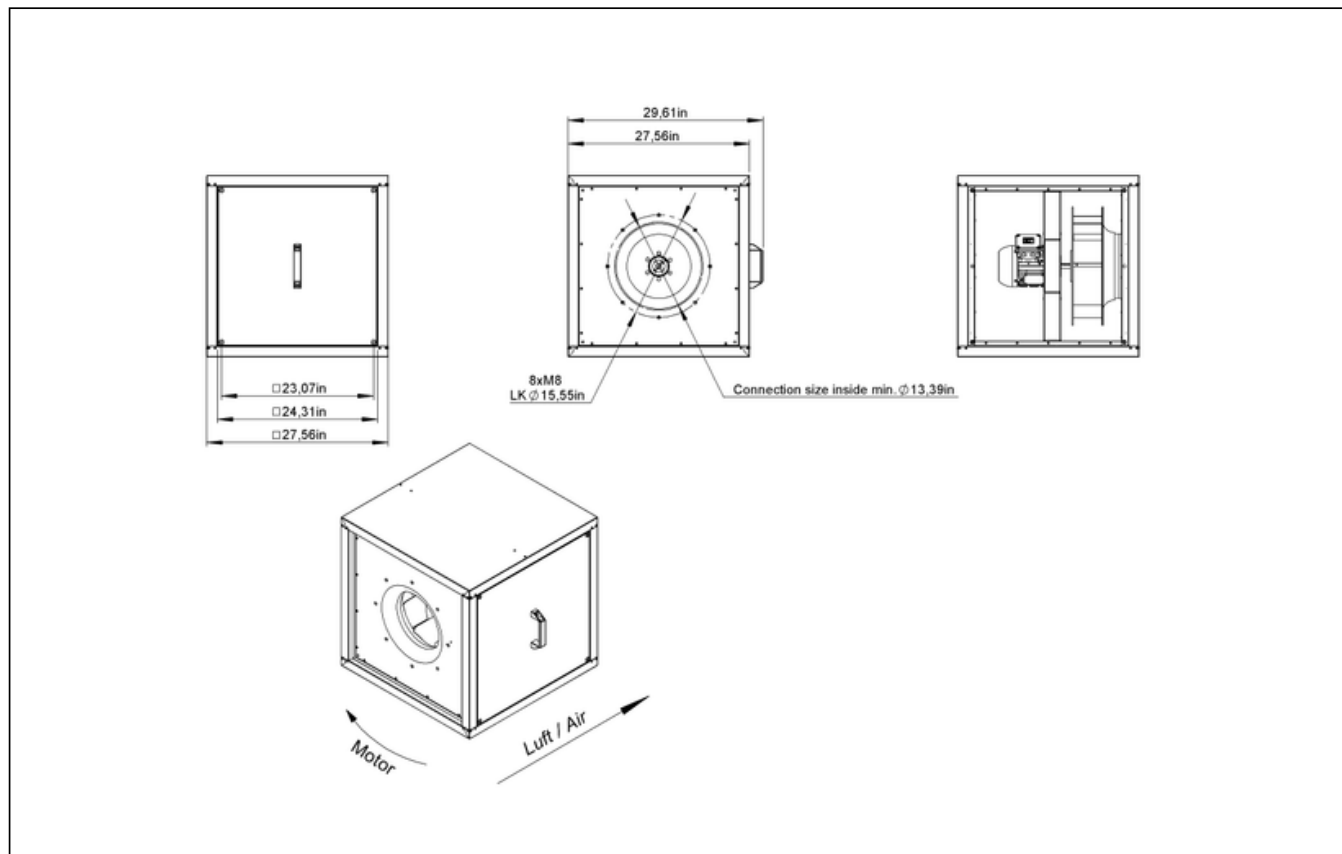
## MAXIMAL DATA

| Name                            | Value | Unit  | Formula symbol |
|---------------------------------|-------|-------|----------------|
| Max. power consumption (device) | 553   | W     | $P_{ed,max}$   |
| Max. operating current (device) | 1.1   | A     | $I_{ed,max}$   |
| Max. speed                      | 1480  | 1/min | $n_{max}$      |
| Max. stat. efficiency           | 52.6  | %     | $\eta_{es}$    |
| Max. fan efficiency             | 53.2  | %     | $\eta_e$       |
| Max. flowrate                   | 4730  | m³/h  | $q_{v,max}$    |
| Max. stat pressure              | 540   | Pa    | $p_{sf,max}$   |
| Max. medium temperature         | 60    | °C    | $T_{m,max}$    |
| Max. environment temperature    | 60    | °C    | $T_{amb,max}$  |
| Min. environment temperature    | -20   | °C    | $T_{amb,min}$  |



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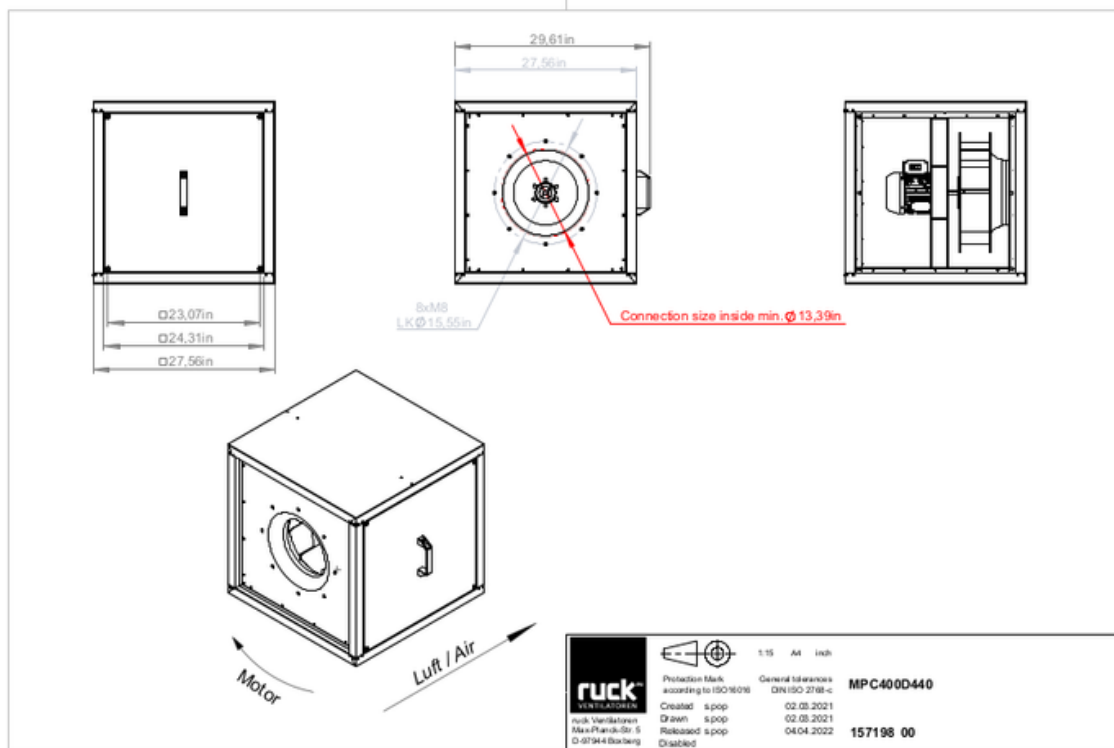
## SCHALTPLÄNE / MASSZEICHNUNGEN



# MPC 400 D4 40

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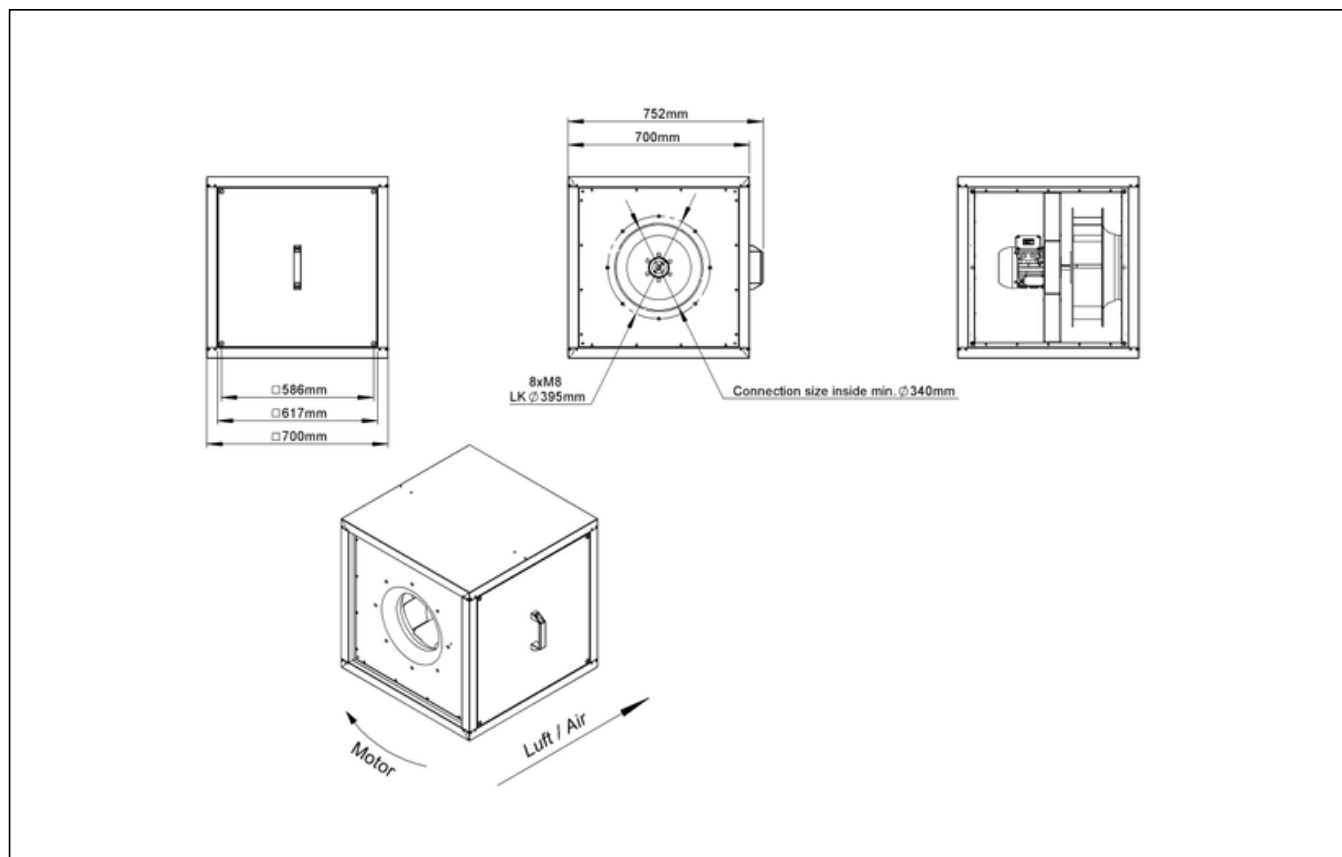


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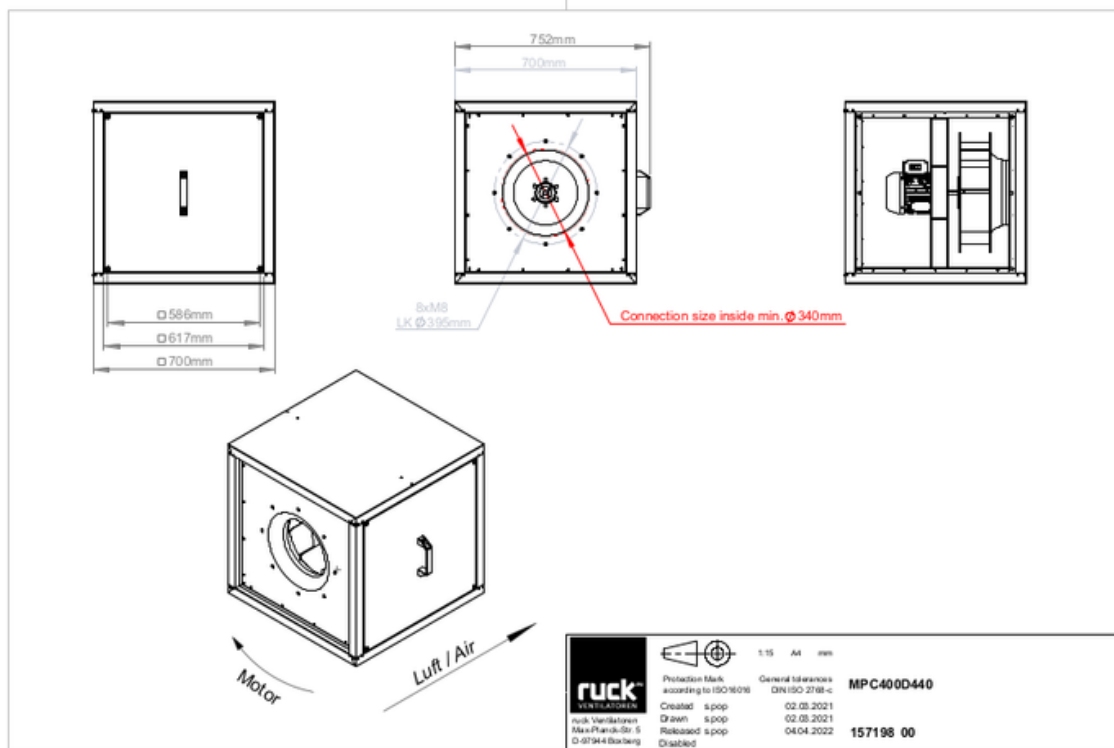


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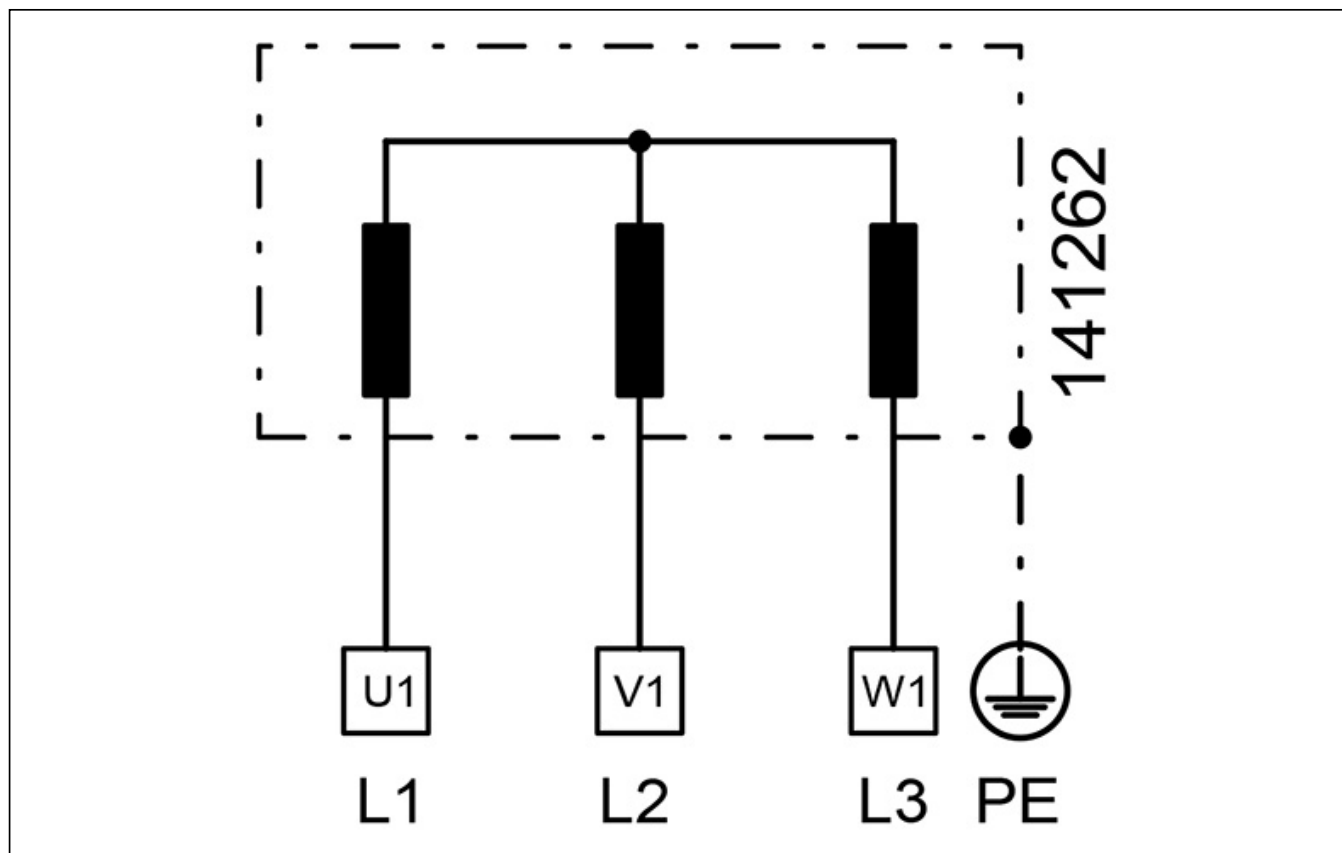


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## MECHANICAL ACCESSORIES

**FB 700 | 160866**



- Air filter box for panel filter
- For MPC box 700
- For 1 or 2 filter (not included)
- Housing made of galvanized sheet steel

**USM 700 400 | 107214**



- Transition spigot
- Galvanized steel sheet
- Insulated

**USM 700 450 | 107240**



- Transition spigot
- Galvanized steel sheet
- Insulated

**USM 700 500 | 107241**



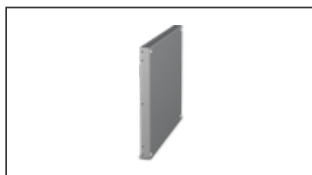
- Transition spigot
- Galvanized steel sheet
- Insulated

**GR MPC 02 | 123432**



- Base frame für MPC
- Galvanized steel sheet

**UCP 700 | 142568**



- Closed panel
- Galvanized steel sheet

**RVK 355 | 153889**



- Automatic tube shutter
- Sheet steel, powder coated
- For vertical installation
- Flange mounting

**RVK H 355 | 154872**



- Automatic tube shutter
- Sheet steel, powder coated
- For horizontal installation
- Flange mounting

**UQR 700 400 01 | 139863**



- Transition duct/tube
- Galvanized steel sheet
- Incl. 4 cylinder cap screws (M8 x 16 mm), 4 serrated lock washers for nominal size M8

**UQR 700 450 01 | 139868**



- Transition duct/tube
- Galvanized steel sheet
- Incl. 4 cylinder cap screws (M8 x 16 mm), 4 serrated lock washers for nominal size M8

**UQR 700 500 01 | 139871**



- Transition duct/tube
- Galvanized steel sheet
- Incl. 4 cylinder cap screws (M8 x 16 mm), 4 serrated lock washers for nominal size M8

**VM 400 | 102654**



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

**VM 500 | 118094**



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

**VM 450 | 119495**



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

**AS MPC 400 | 140847**



- Inlet spigot
- Galvanized steel sheet

**AS MPC 450 | 140852**



- Inlet spigot
- Galvanized steel sheet

**AS MPC 500 | 140871**

**RAF 355 | 154018**

**RVS 355 | 154176**

**ESD 355 | 153961**



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# MPC 400 D4 40

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- Inlet spigot
- Galvanized steel sheet



- Round flange
- Sheet steel, powder coated

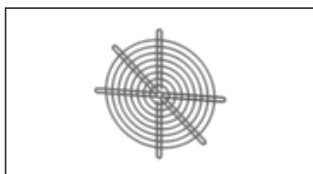


- Tube connection spigot
- Sheet steel, powder coated
- Suitable for outdoor installation
- Flange mounting



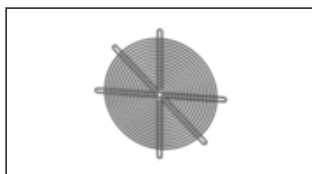
- Inlet cone
- Steel sheet, powder coated
- Flange mounting

## SGW 355 | 154049



- Protection grille, wide meshed
- Steel sheet, galvanized
- Flange mounting

## SGE 355 | 154062



- Protection grille, narrow meshed
- Steel sheet, galvanized
- Flange mounting

## RD MPC 700 | 140093



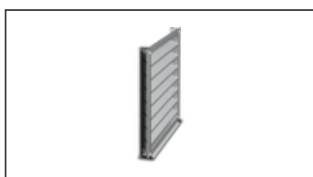
- Rain cover for outdoor installation
- Galvanized steel sheet

## WSH MPC 02 | 123433



- Weather protection hood
- Galvanized steel sheet

## WSG MPC 700 | 140748



- Weather protection grille
- Galvanized steel sheet

## RAS 355 | 154247



- Round spigot, flexible
- Galvanized steel sheet, plastic band (PES)
- Temperature resistant up to 75 °C
- Flange mounting



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## ELECTRICAL ACCESSORIES

**GS 03 | 107633**



- Device switch
- $U_{max} = 400\text{ V}$ ,  $I_{max} = 25\text{ A}$
- Switching capacity  $400\text{ V } 3\sim = 5,5\text{ kW}$
- Protection class IP 55

**MS 01 | 140407**



- Motor protection switch with Isolator switchfunktion
- $I_{max} = 400\text{ V}$ , 50/60 Hz
- Max. 0.55 kW
- Protection class IP 55

**MTP 20 | 128146**



- Potentiometer 10 k $\Omega$
- Switching contact 1A/250V AC - 2,5A/12V DC
- Max. ambient temperature 50 °C
- VDE

**MTP 30 | 143289**



- Stepped potentiometer 10 k $\Omega$
- Step 1 + 2 settable 10 % - 100 % Vdc
- Step 3 100 % Vdc
- Supply voltage+10 Vdc

**MTP 40 | 147359**



- Potentiometer 10 k $\Omega$
- Connection in terminal box
- Max. ambient temperature 50 °C
- PU: 20 pieces

**SEN AIR | 148641**



- Airflow and temperature transducer
- Measuring range temperature 0...+50 °C
- With adjustable switching threshold (air speed)
- Measuring range air velocity up to 20 m/s

**CON P1000 | 115259**



- Constant pressure control
- Actual value display possible via optional control unit
- Output 0-10 V DC + FC enable + setpoint reached
- Pressure setting by means of decade switch

**FU 075 13 | 141842**



- Frequency converter
- Supply voltage 230 V 1~ 50/60 Hz
- Output voltage 0 - 230 V 3~
- Protection class IP 20, for switch cabinet

**FU 075 19 | 141853**



- Frequency converter IP66
- Supply voltage 230 V 1~ 50/60 Hz
- Output voltage 0 - 230 V 3~
- Fire mode function (smoke extract fans)

**FU 075 25 | 141864**



- Frequency converter
- Supply voltage 400 V 3~ 50/60 Hz
- Output voltage 0 - 400 V 3~
- Protection class IP 20, for switch cabinet

**FU 075 31 | 141875**



- Frequency converter
- Supply voltage 400 V 3~ 50/60 Hz
- Output voltage 0 - 400 V 3~
- Fire mode function (smoke extract fans)

**MTP 50 | 153133**



- Potentiometer with multifunction output
- 230 VAC  $\pm 10\%$  / 50-60 Hz
- Selectable output: 1-10 VDC / 2-20 mA / 10-100 % PWM
- Min. and max. output value adjustable

