

EL 560 E4 01

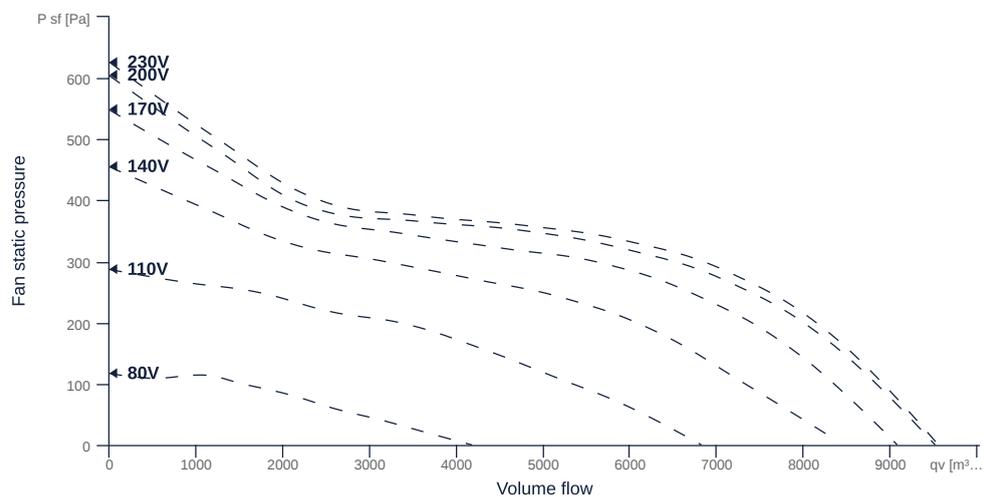
119349

- Innovative, high-efficiency diagonal fan
- Optimally tuned, CFD-optimized aerodynamics
- The benchmark for efficiency since 2007
- Robust single phase AC motor
- Conveyed medium temperature up to 80 °C in continuous operation
- Housing made of aluminum



FAN CURVES

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



to the product detail page

GENERAL DATA

| Name | Value | Unit | Formula symbol |
|---------------------------------------|-----------|------|---------------------|
| Labeling | none | | |
| Duct size | - | | WxHduct |
| Pipe connection size (DN) | DN560 | | DN |
| Rated voltage (entire device) | 230 | v | U _{rated} |
| Phases (entire device) | 1~ | | phase |
| Electrical protection (entire device) | 10 A | | fuse |
| Housing material | Aluminium | | matcasing |
| Impeller material | Aluminium | | matimpeller |
| IP-protection class (entire device) | IPX4 | | IPcompl |
| IP-Protection class (terminal box) | IP44 | | IPebox |
| Weight | 38 | kg | m |
| Fan type | Diagonal | | Fan _{type} |
| Category / Installation situation | A | | cat |

MAXIMAL DATA

| Name | Value | | Unit | Formula symbol |
|---------------------------------|-------|-------|------|-----------------------|
| | 50 Hz | 60 Hz | | |
| Max. power consumption (device) | 1120 | 1630 | w | P _{ed, max} |
| Max. operating current (device) | 7.61 | 8.6 | A | I _{ed, max} |
| Max. speed | 1430 | 1660 | rpm | n _{max} |
| Max. stat. efficiency | 49.6 | 50.3 | p | η _{es} |
| Max. fan efficiency | 53.9 | 54.8 | p | η _e |
| Max. flowrate | 9550 | 10970 | CmH | Q _{v, max} |
| Max. stat pressure | 630 | 810 | Pa | p _{st, max} |
| Max. medium temperature | 80 | 50 | °C | T _{m, max} |
| Max. environment temperature | 80 | 50 | °C | T _{amb, max} |
| Min. environment temperature | -25 | -25 | °C | T _{amb, min} |
| Min. voltage | 80 | 80 | v | U _{min} |



to the product detail page

EL 560 E4 01

119349

MOTOR DATA

| Name | Value | | Unit | Formula symbol |
|--------------------------|----------|---------------------|------|----------------|
| | 50 Hz | 60 Hz | | |
| Rated frequency (device) | | 50 | | f |
| Motor type | | AC 1~ | | phase |
| Control type | | stepless-controlled | | ctrltype |
| Installation type | | IRM (In) | | install |
| Rotation direction | | right | | rotation |
| Isolation class | | ISO F | | ISOclass |
| Motor-protection | | TAO | | protectmotor |
| Protection class | | IP54 | | IPmotor |
| Is pole-changeable | | No | | polexch |
| Type of power supply | | AC 1~ | | pwrsupmotor |
| Capacity capacitor | | 40 | µF | Ccond |
| Voltage capacitor | | 400 | v | VUcond |
| Number of poles (1) | | 4.000000 | | num polesw1 |
| Rated voltage | 230 | | v | Urated, f1 |
| Rated current | 6.6 | | A | Irated, f1 |
| Nominal power | 900 | | w | Pa |
| Speed | 1370 | | rpm | nr1 |
| Cos Phi | 0.860000 | 0.000000 | | cos φ |
| UL-Certification motor | | None | | ULcert |

ERP DATA (LOT11)

| Name | Value | Unit | Formula symbol |
|---|----------|------|----------------|
| Speed at the energy efficiency optimum | 1401 | rpm | nopt |
| Efficiency level | 49 | p | N |
| Efficiency category | statisch | | catefficiency |
| Input power of the motor at the energy efficiency optimum | 1.04 | kw | Pe, opt |
| Overall efficiency | 59.3 | p | ηges |
| Measurement category | A | | meas cat |
| Fan pressure at energy efficiency optimum | 324 | Pa | pt, opt |
| Flowrate at energy efficiency optimum | 6143 | CmH | qv, opt |

SMOKE EXTRACT DATA

| Name | Value | Unit | Formula symbol |
|-----------------------|-------|------|----------------|
| Fire resistance class | None | | Fclass |

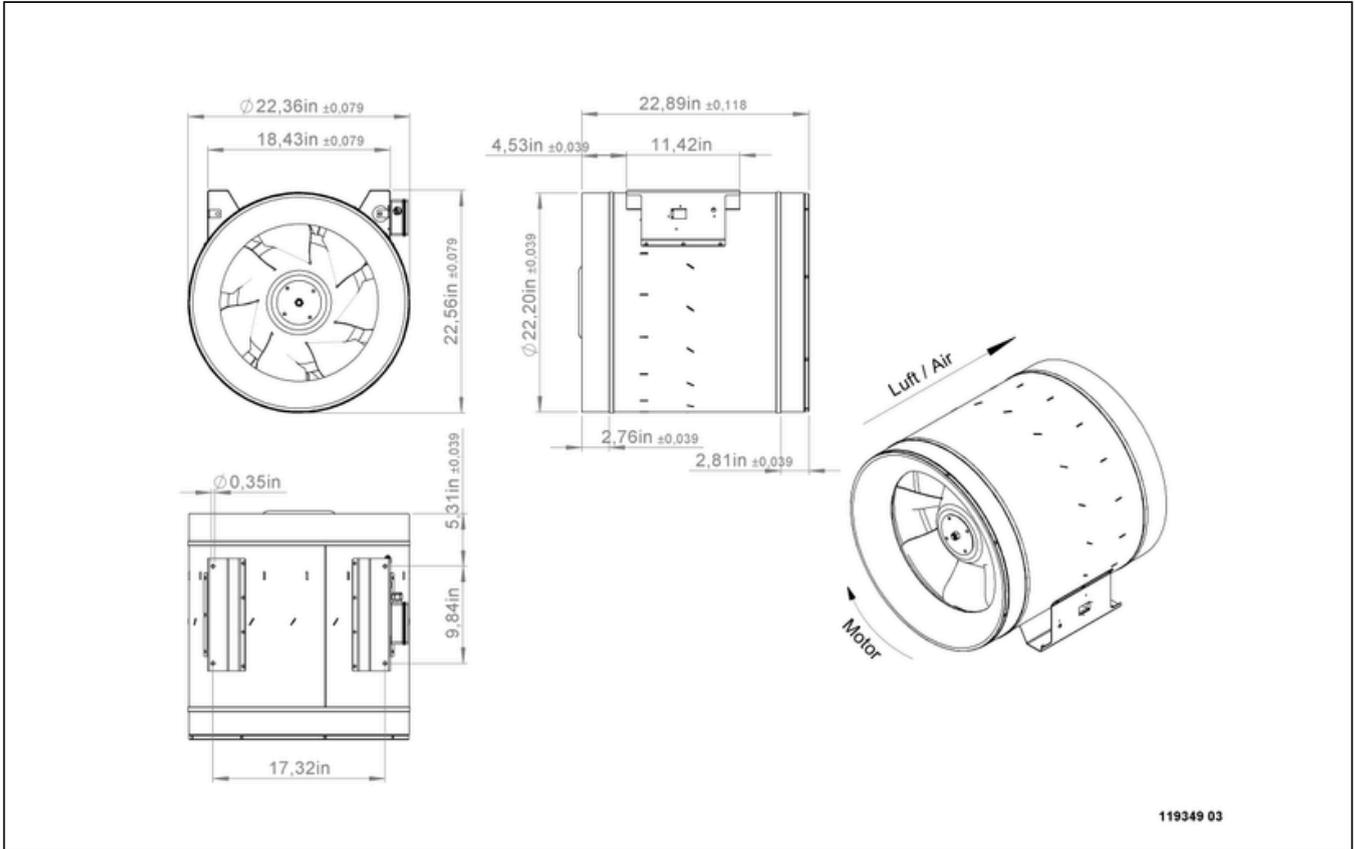


to the product detail page

EL 560 E4 01

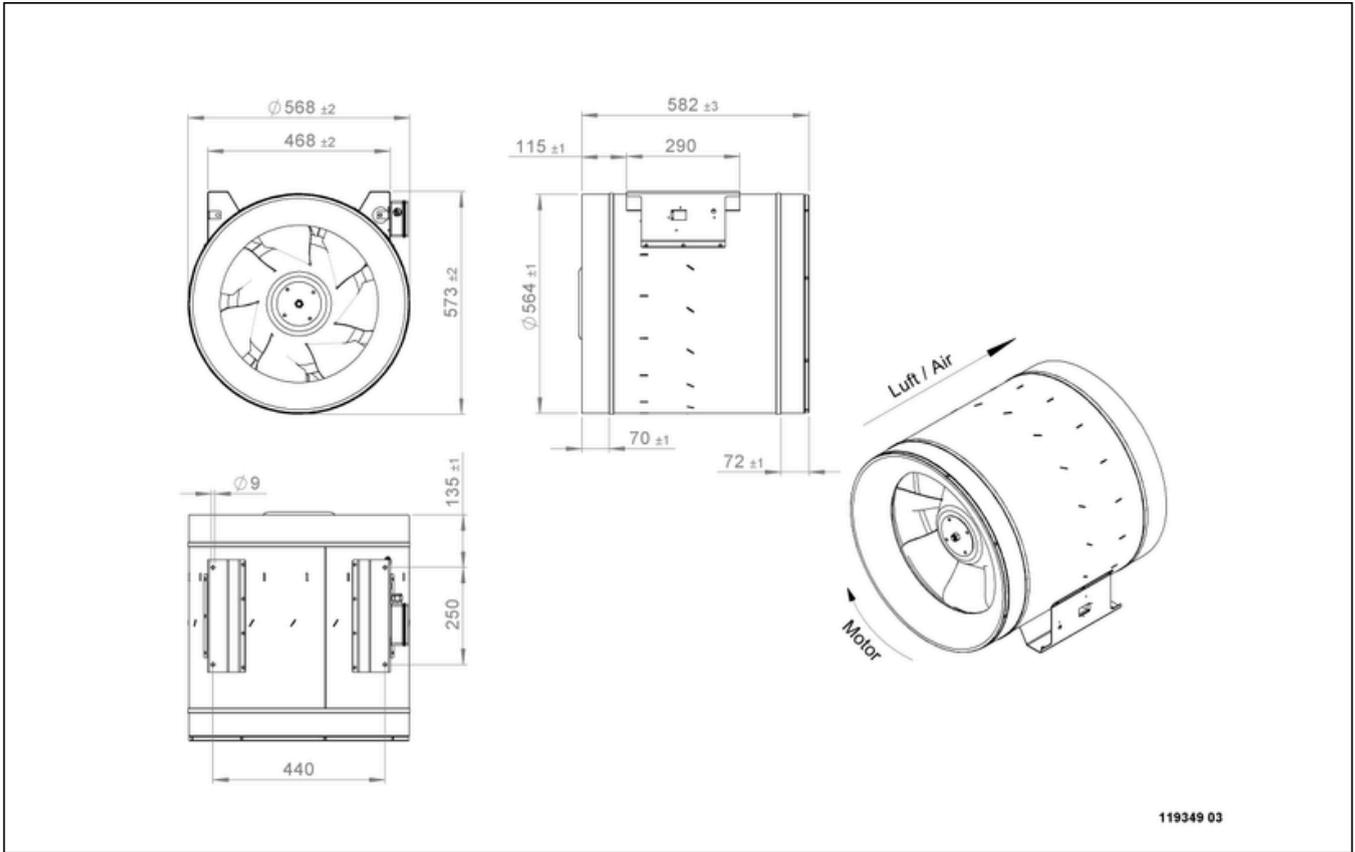
119349

CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



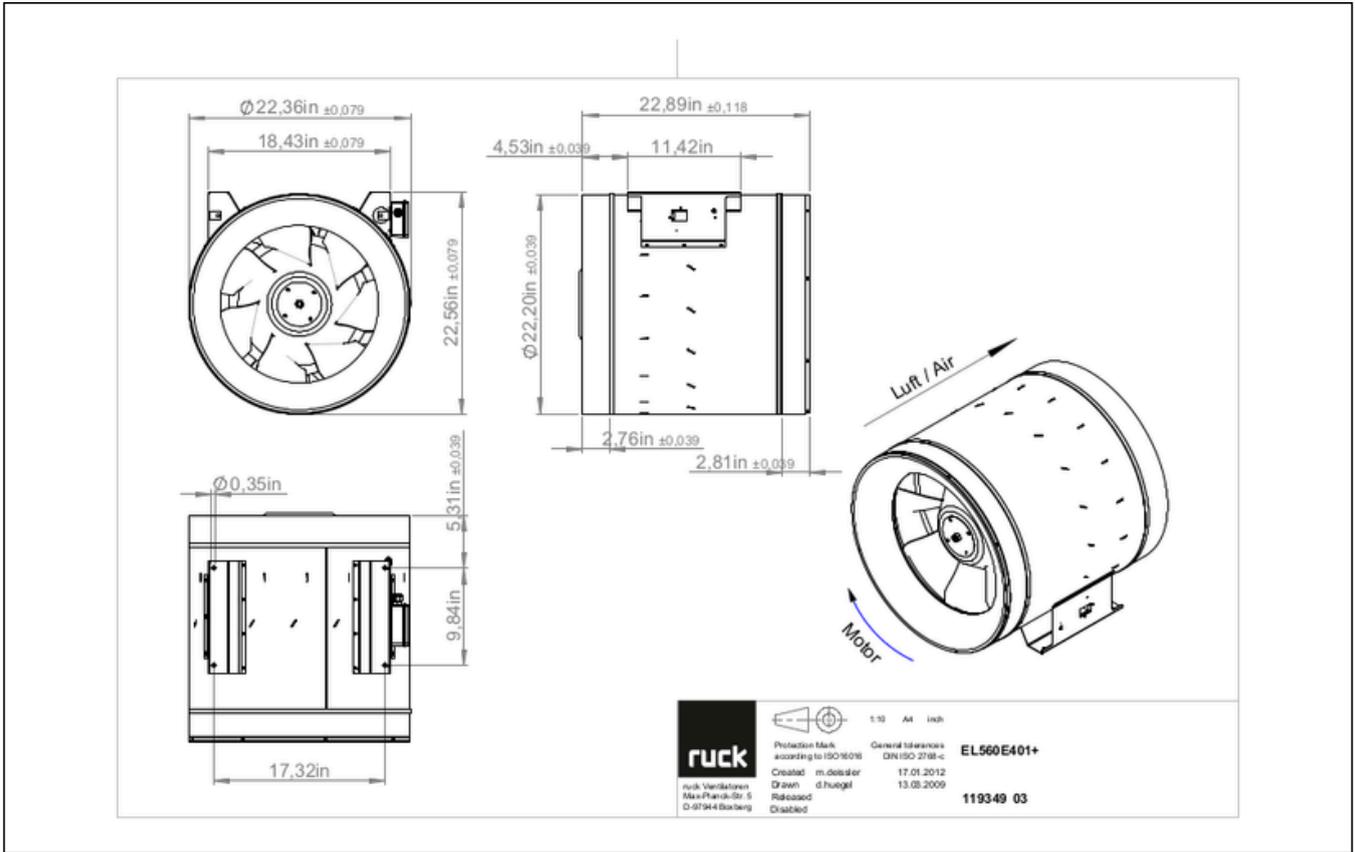
EL 560 E4 01

119349



EL 560 E4 01

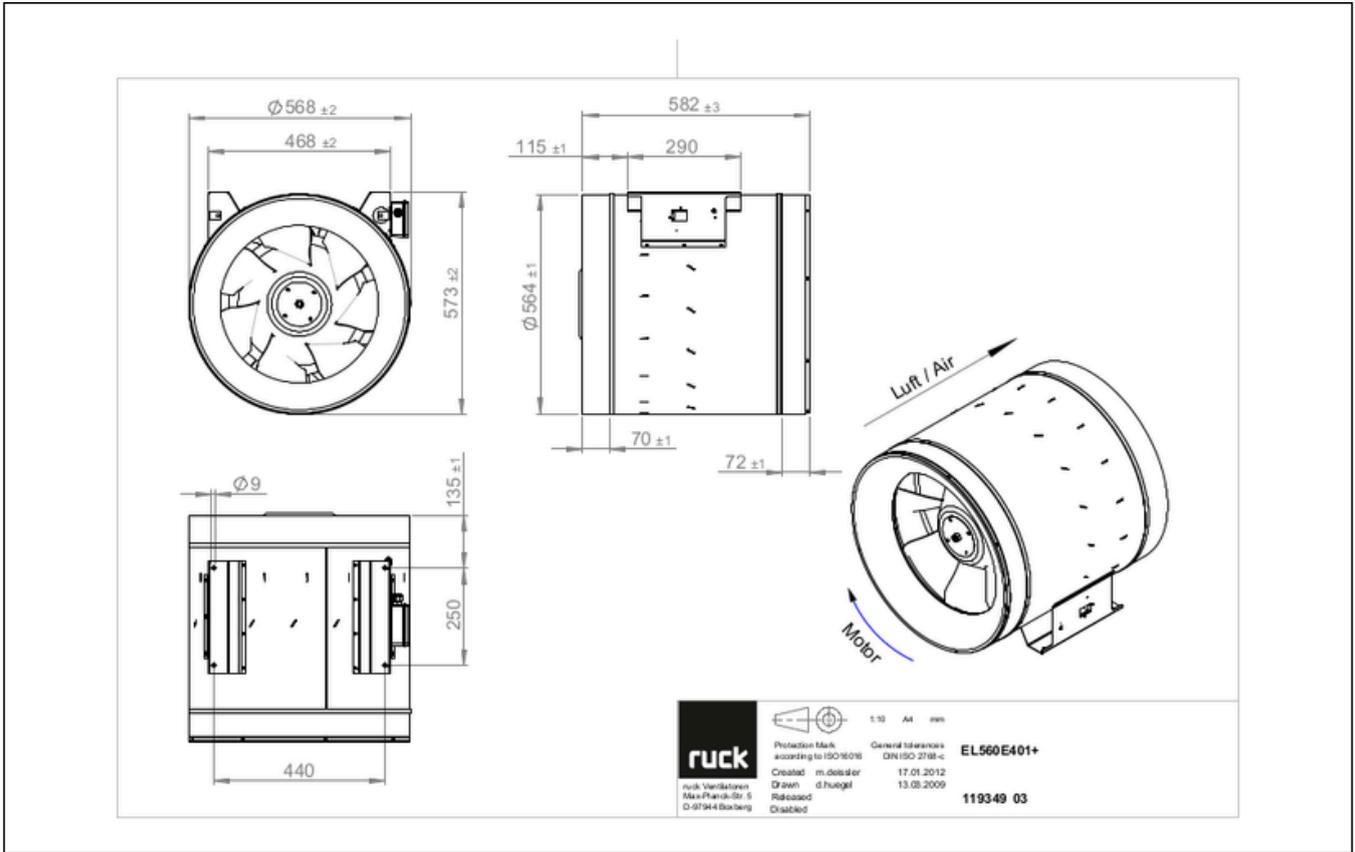
119349



to the product detail page

EL 560 E4 01

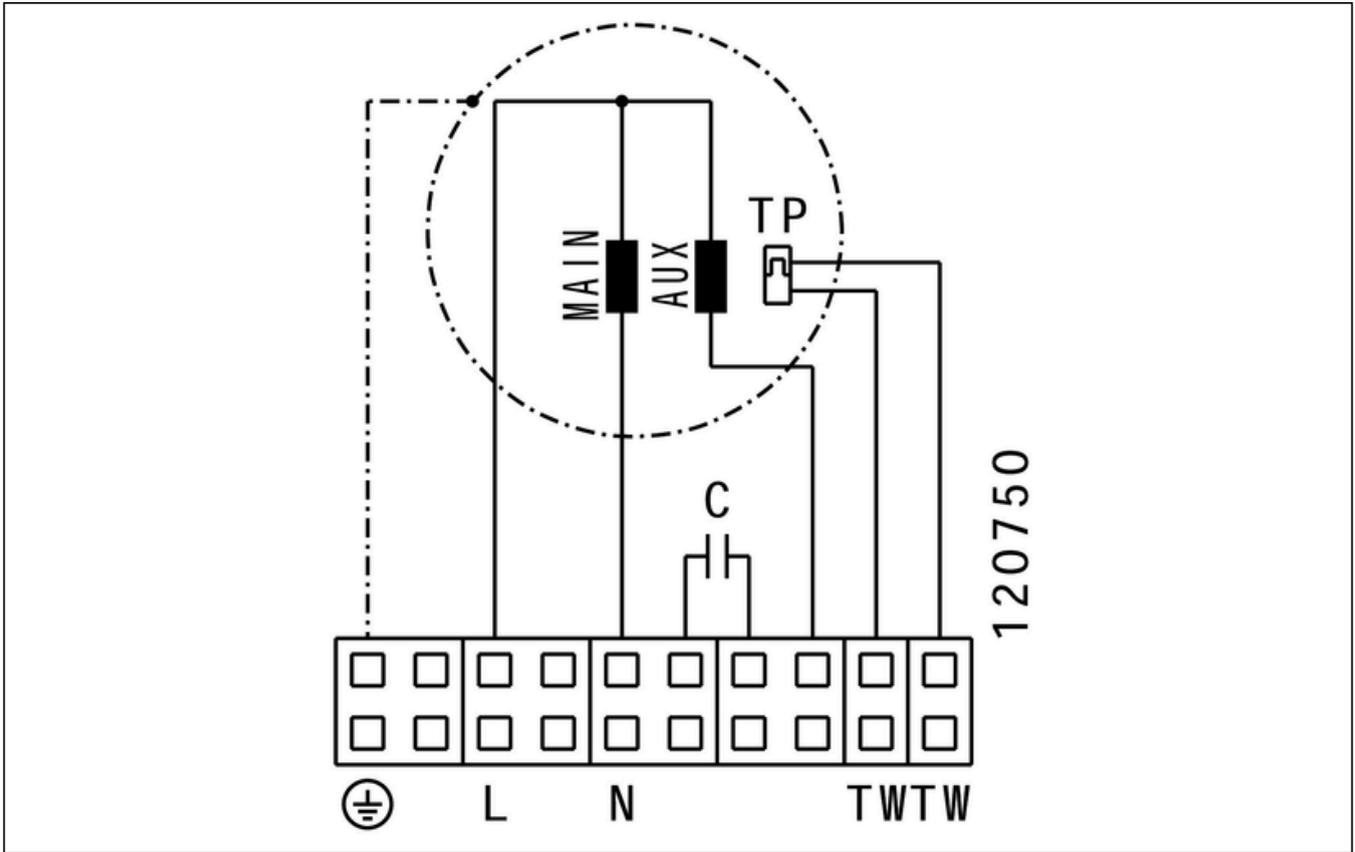
119349



to the product detail page

EL 560 E4 01

119349



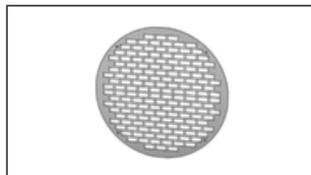
MECHANICAL ACCESSORIES

VM 560 | 119496



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

SG 560 02 | 119412



- Inlet protection grille for Etaline
- Galvanized steel sheet



to the product detail page

ELECTRICAL ACCESSORIES

GS 01 | 102787



- Isolator switch
- $U_{max} = 400\text{ V}$, 50/60 Hz
- Switching capacity 400 V 3~ = 7,5 kW
- $I_{max} = 25\text{ A}$

TEM 075 | 103507



- 5-step transformer
- 230 V, 50/60 Hz, 7,5 A
- Output voltage: 230-190-170-140-110-80-0 V
- Protection class IP 54
- With motor protection

TEM 075S | 109729



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

TEM 075G | 109988



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

TEM 075V | 136272



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

TES 100 02 | 146198



- 5-step transformer
- 230 V, 50/60 Hz, 10 A
- Without housing, control cabinet installation
- Protection class IP 20

