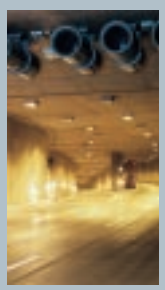
Reliable ventilation –
Even at high temperatures

Advantages

- Safe ventilation in the event of accidents guarantees smoke-free access routes for effective fire fighting and life-saving
- Reduction of fire damage through reduced thermal stress of the building
- Available from rated power 0.55 kW
- No deviation from standard with regard to allocation of power rating to shaft height
- Ready-to-connect, heat-resistant silicone cables
- D-end locating bearing
- Motor series up to 200kW, certified to prEN 12101-3 standard
- Tested and certified for high lateral force withstand capability
- Functional duration higher than standard values in the event of a fault
- Both axial-flow ventilation and radial-flow ventilation possible
- Can be used without test in already certified plants

Smoke extraction motors

If the worst happens in buildings with smoke detection, things can quickly heat up for ventilation systems and heat dissipation systems. It is then crucial to maintain ventilation as long as necessary to avoid a catastrophe and increase survival chances. Our new certified low-voltage motors for combustion gas ventilators can safely handle even high environmental temperatures. They thus reduce the thermal stress of the building, for example, and keep escape routes and access routes reliably smoke-free.



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Smoke extraction motors in accordance with prEN 12101-3
Technical specifications

Applications

- Discos
- Shopping malls
- Airports
- Industrial buildings
- Movie theaters
- Warehouses
- Theaters
- Stairwells
- Tunnels
- Enclosed car parks

Special versions

There are various options, such as

- Connecting cable on side (left or right)
- PTC thermistor protection
- Re-lubricating device
- Degree of protection IP 65
- Anti-condensation heater
- Integral fan

Temperature-time classification

Class	Temperature [°C]	Minimum function duration [min]
F200	200	120
F300	300	60
F400	400	120

The test duration for the F200, F300 and F400 certification tests was around 180 mins. (instead of the required minimum function duration)

Range of products in accordance with prEN 12101-3

Sizes	80M to 315L
Power ratings	0.75 kW to 200 kW
Designs	IM B3, IM V1, IM B35
Frequency	50 Hz
Number of poles	2-pole, 4-pole and 6-pole More poles and pole reversibility on request
Voltages	230/400 VΔ/Y, 500 VΔ, 400/690 VΔ/Y, 500 VY
Converters	Converter operation possible with voltage front times at ts ≤ 0.1µs at V ≤ 500 V (except in the event of fire)

Certification and testing by
Research and Testing Laboratory of the Institute for Building Physics and Building Installation Practice at the Technical University of Munich, Karl-Benz-Straße 15, D-85221 Dachau, Germany

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