

AUTOMATIC SLIDING FIRE DOORS

The MB-78EI DPA system is used for internal or external fire barriers with automatic sliding single- or double-leaf doors in the class EI15 or EI30.

The applied motor allows the efficient and failure-free operation of doors with a leaf weight of up to 200 kg. The maximum size of the structure in a door opening:

- height of 1-leaf and 2-leaf doors: up to 2550 mm
- width of 1-leaf doors: up to 1500 mm
- width of 2-leaf doors: up to 3000 mm

Diversity of solutions

Versatility and attractiveness of the system is additionally enhanced by the possibility to select from several variants of solutions for different constructional details, e.g. bottom sealing of door leaves or the shape and height of doorsills.

Wide glazing range. Freedom of hardware selection

The MB-78EI construction has been adapted to typical hardware, locks and hinges, following European standards. Sections are equipped with grooves of such dimensions as to enable fixing of multi-point locking hardware and connecting members, as per EURO standard. Thus, it is possible to meet the demands of our customers without changing the basic construction.

Flexible glazing

MB-78EI system can be glazed with package of thickness between 8 mm and 60 mm

- single glass units in accordance with EN 357:2005
- double or triple glazing units in accordance with EN 1279-1:2006 and EN 1279-5+A1:2009, with fire rated glass internally and safety glass externally
- multi-layer panels made of two aluminium or steel sheets of relevant thickness and gyp-rock or Promatec insulation between with additional mineral wool layer of 70 kg/m³ minimum density if required.

Fire rated glass range

Tested and approved to be used with MB-78EI system includes:

- Pyrobel of thickness between 9.3-36 mm

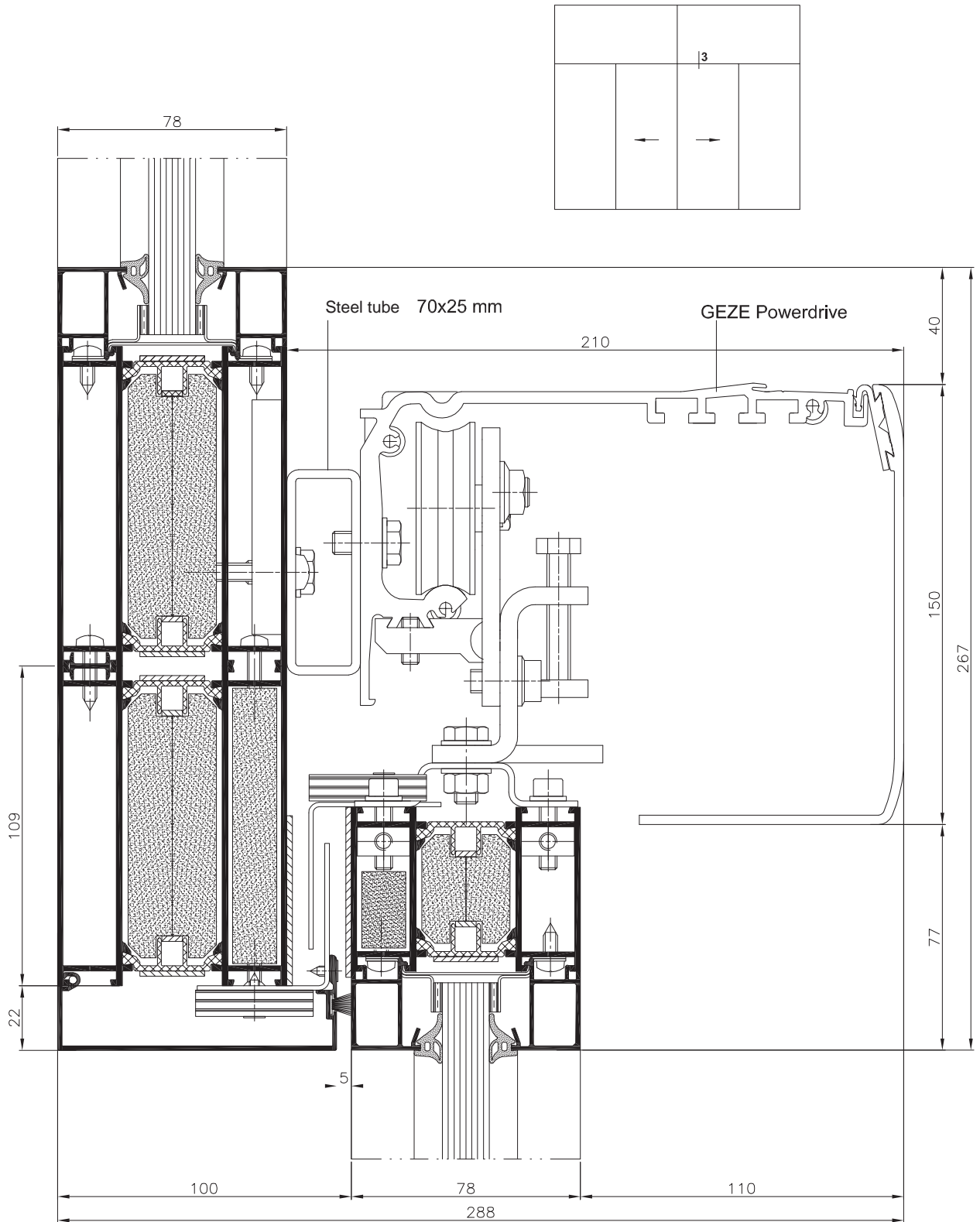
- Polflam of thickness between 20-25 mm
- Contraflam Lite of thickness between 13-22 mm
- Contraflam 30 of thickness between 16-20 mm
- Contraflam 60 of thickness between 25-35 mm
- Contraflam 60 of thickness 40 mm
- Pyrostop of thickness between 15-25 mm
- Promaglas of thickness between 17-30 mm
- Pyranowa of thickness between 15-25 mm
- Fireswiss of thickness between 15-28 mm
- Q4Firestop of thickness between 16.5-27 mm

Performance:

- Air permeability: class 2 EN 12207
- Water tightness: class 5A, EN 12208
- Resistance to windload: 2400(Pa), EN 12179, EN13116
- Acoustic insulation: $R_w = 41$ dB (subject to the glazing package being used)



MB-78EI DPA sliding doors - vertical section



Scale 1:2