



Sidoor – AT12, AT18, AT40

New Generation

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SIEMENS

Sidoor – we drive them all

AT12, AT18, AT40

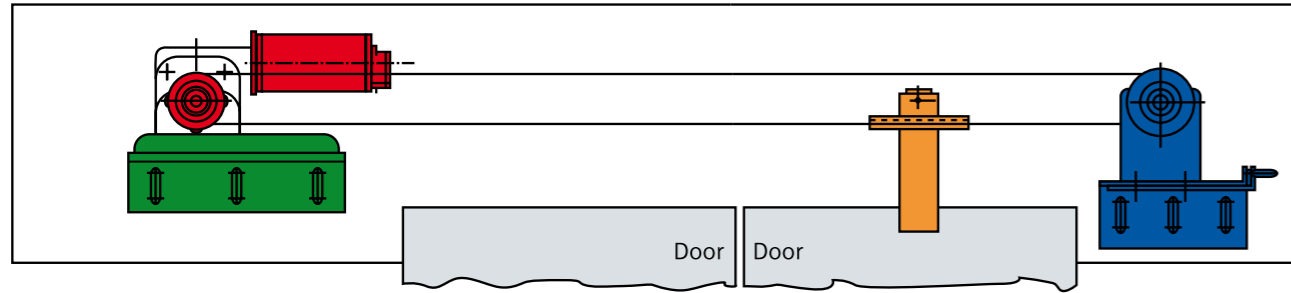
With Sidoor you reliably move the most diverse lift door systems. Make every opening into a grand entry.

Use the many advantages of the Sidoor family. They can be used everywhere, are fast and simple to install on site and the parameters provide great flexibility. A push of the red learning button is sufficient and the AT determines the optimal drive profile from only one training run. The condition oriented self optimization of

the system means that service and maintenance work takes place at longer intervals.

Profit from the competence and the proven quality of a brand name product. From Siemens, the market leader.

we drive them all



Technical summary - Sidoor complete system

- 230V AC +/- 15% input voltage
- 0.3 m - 4 m door opening
- 400 kg max. effective door weight
- 6 kg max. counterweight
- 0.7 m/s max. opening velocity
- Operating temperature -20°C to +55°C
- Control inputs 10V DC to 28V DC (floating)
- Auxiliary voltage output 24V DC +/-15% 0.4A (short-circuit protected)
- Final stage short-circuit protected
- Emergency power input over special emergency power module 24V +/- 15% (AT18/AT40)



Sidoor Highlights

AT12

- **Basic Version:** 120 kg max. door weight
- Integrated switching power supply: - less assembly time - less cable laying time
- No transformer: 80% weight savings
- Compact design: Low space requirement
- 1 button operation: for complete start-up

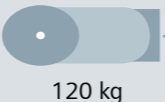

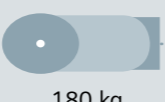

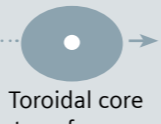
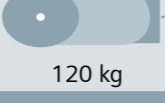
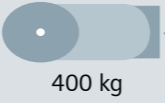
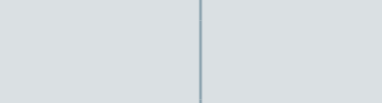

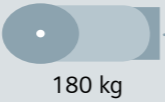
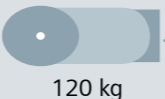
AT18

- **Business version:** 180 kg max. door weight
- PC Software: Comfortable operation/detailed diagnosis
- Flexible motor management: Power adaptation through 2 motor types
- Emergency power module: High availability

AT40

- **Premium version:** 400 kg max. door weight
- Dynamic door mass detection: Push 1 button - measure and forget
- Automatic friction value compensation: Reduced service requirements
- Flexible motor management: Power adaptation through 3 motor types

System Overview

Motor system	Controller	Power supply	System	Inputs	Outputs	Interfaces	Service	Auxiliary modules	Performance
DC Motor gearbox/sensor	16 Bit µPC Flash-Memory 4Q (H-Bridge) power element	1) Toroidal core transformer including rectifier filter 2) Optimized compact switching power supply	Siemens standard product	1x open 1x close 1x reverse 1x photoelectric sensor		Onboard	Siemens SVT	In = internal Ex = external	Max. velocity (Vmax) Opening time 1m door, single-leaf
 120 kg			AT12	3	2 Onboard 24 VDC	RS485 CAN	Siemens SVT	USB (Ex)	V max 0,5 m/s max 2,8 sec (typisch)
 180 kg		 Toroidal core transformer	AT18	4	3 mit externen Modul	RS485	Siemens SVT	Output relay (In)	V max 0,6 m/s max
 120 kg								Display/Operation (In)	2,5 sec (180 kg) (typical)
								USB (Ex)	
								Emergency power (Ex)	
								CAN (Ex) planned	
									2,7 sec (120 kg) (typical)
 400 kg			AT40	4	3 mit externen Modul	RS485	Siemens SVT	Output relay (In)	V max 0,7 m/s max
 180 kg								Display/Operation (In)	2,9 sec (400 kg) (typical)
 120 kg								USB (Ex)	
								Emergency power (Ex)	
								CAN (Ex) planned	
									2,4 sec (180 kg) (typical)
									2,6 sec (120 kg) (typical)

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