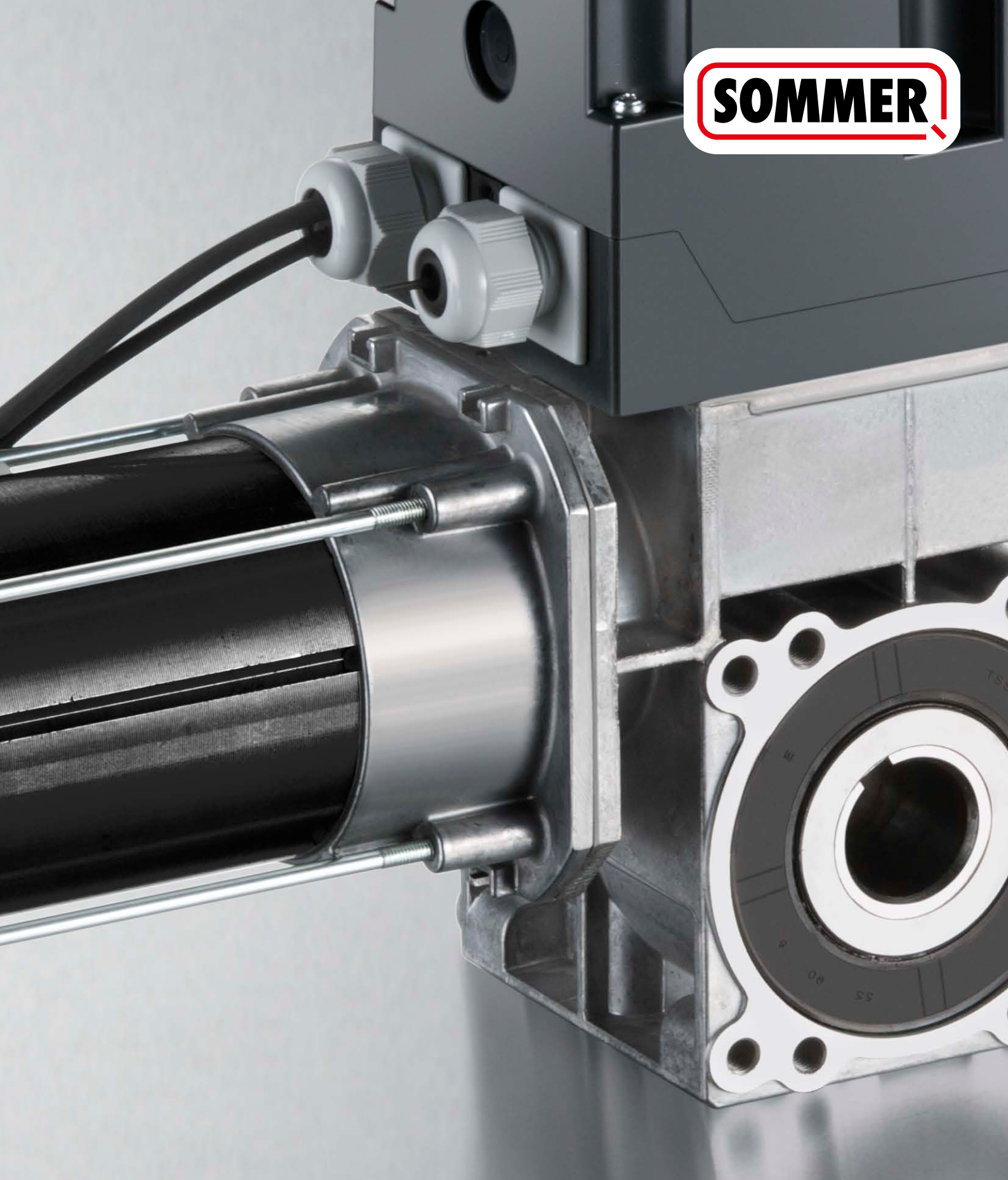




SOMMER



Industrial door operators

Main Catalogue 2018

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GIGAspeed for high-speed doors



Optimal efficiency in a compact design for high-speed doors: With integrated frequency converter, the operator system has what it takes to meet customer requirements in the rapidly growing market for PVC high-speed doors. With or without integrated safety catch: this system is suitable for a wide range of applications.

The GIGAspeed operators can be manufactured precisely to your requirements with a range of different hollow shafts from Ø 25.0 to Ø 30 mm. And of course, other rpms and tractive powers are also available.

GIGAspeed with frequency converter 230 V	39
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Frequency converter

SOMMER frequency converters are always permanently mounted on the operator and precisely adjusted to it. SOMMER has been able to avoid the use of complex, large and expensive extruded sections for operators up to 1.1 kW. This saves space and simplifies installation of the operator.

SOMMER frequency converters can be adjusted and programmed with the plain-text display of the GIGAcontrol A controller. In addition, customers can save up to 10 presettings (frequency converter profiles) in the controller.

General technical data	
Operating voltage	1 ~ AC 230 V
Frequency (Hz)	50
Motor duty cycle (DC-%)	60
Protection class (IP)	54/65*
Insulation class	F
Approved temperature range** (°C)	-5...+60
Continuous sound pressure level dB(A)	<70
Building fuse (A)	10 (T)

* optional ** <-5° with electrical heating on request



1. The display of the GIGAcontrol A shows measurements for the voltage, current and temperature in the converter
2. Automatic identification of the frequency converter can be configured directly via the GIGAcontrol A control unit
3. With built-in brake chopper for motor braking and brake rectifier for the direct connection of an electromagnetic/spring brake
4. Added torque for frequency ranges above and below the nominal speed (50 Hz)
5. PFC (power factor control) – state of the art technology in accordance with DIN EN 61000-3-2 (EMC standard)
6. Improved cooling thanks to compact design
7. Higher immunity to interference thanks to improved EMC properties

GIGAspeed operator systems with frequency converter 230 V

	Article name/ item number	Integrated safety catch	Emergency hand crank	Emergency hand chain	Brake
	045.080 HXFS0 S11397-00001		•		Motor
	045.080 HXFS1 S11109-00001		•		Motor
	115.060 HAFS1 S11283-00001	•	•		Motor
	070.055 HXFS0 S11082-00001		•		Motor
	070.055 HXFS0 S11083-00001		•		Motor
	070.055 HXFS0 S11080-00001		•		Motor
	070.055 HXFS0 S11081-00001		•		Motor
	080.040 HXFS0 S10895-00001		•		Motor
	080.040 HXFS1 S11078-00001		•		Motor
	080.040 HXFS1 S11079-00001		•		Motor
	080.040 HAFS1 S10985-00001	•	•		Motor
	080.040 HAFS1 S10995-00001	•	•		Motor
	080.040 HAFS1 S11076-00001	•	•		Motor
	080.040 HAFS1 S11077-00001	•	•		Motor
	080.040 HAFS0 S10909-00001	•	•		Motor
	080.085 HXFS1 S11557-00001		•		Motor
	080.085 HAFS1 S11281-00001	•	•		Motor
	115.035 HXFS1 S11556-00001		•		Motor
	115.060 HXFS1 S11555-00001		•		Motor
	115.060 HXFS1 S11168-00001		•		Motor
	115.060 HXFS0 S11107-00001		•		Motor
	115.060 HAFS1 S11625-00001	•	•		Motor
	115.060 HAFS1 S10369-00001	•	•		Motor

Operating voltage (V)	Limit switch (revolutions)	Hollow shaft Ø mm	Output speed rpm	Output torque Nm	Motor outputs (kW)	Rated current (A)	Building feed (mm ²)
1~230	14	25.4	30~75	80	1.0	7.5	3 × 1.5
1~230	14	30.0	30~75	80	1.0	7.5	3 × 1.5
1~230	14	25.0	100~140	60	1.0	7.5	3 × 1.5
1~230	14	25.4	20~100	55	1.0	7.5	3 × 1.5
1~230	29	25.4	20~100	55	1.0	7.5	3 × 1.5
1~230	14	30.0	20~100	55	1.0	7.5	3 × 1.5
1~230	29	30.0	20~100	5	1.0	7.5	3 × 1.5
1~230	14	30.0	20~100	40	1.0	7.5	3 × 1.5
1~230	29	25.0	20~120	40	1.0	7.5	3 × 1.5
1~230	29	25.4	20~120	40	1.0	7.5	3 × 1.5
1~230	14	25.0	20~120	40	1.0	7.5	3 × 1.5
1~230	14	25.4	20~120	40	1.0	7.5	3 × 1.5
1~230	29	25.4	20~120	40	1.0	7.5	3 × 1.5
1~230	29	25.4	20~120	40	1.0	7.5	3 × 1.5
1~230	29	30.0	20~120	40	1.0	7.5	3 × 1.5
1~230	14	25.0	70~120	85	1.0	7.5	3 × 1.5
1~230	14	25.4	70~120	85	1.0	7.5	3 × 1.5
1~230	14	25.0	100~140	35	0.55	7.5	3 × 1.5
1~230	14	25.0	100~140	60	1.0	7.5	3 × 1.5
1~230	14	25.4	100~140	60	1.0	7.5	3 × 1.5
1~230	14	30.0	100~140	60	1.0	7.5	3 × 1.5
1~230	14	25.0	100~140	60	1.0	7.5	3 × 1.5
1~230	14	25.4	100~140	60	1.0	7.5	3 × 1.5

GIGAspeed operator systems with frequency converter 230 V

	Article name/ item number	Integrated safety catch	Emergency hand crank	Emergency hand chain	Brake
	115.060 HAFS0 S10914-00001	•	•		Motor
	115.060 HAFS1 S10370-00001	•	•		Motor
	115.060 HAFS1 S10371-00001	•	•		Motor
	115.060 HAFS1 S10372-00001	•	•		Motor
	140.040 HXFS0 S11086-00001		•		Motor
	140.040 HXFS0 S11084-00001		•		Motor
	140.040 HXFS0 S11087-00001		•		Motor
	140.040 HXFS0 S11085-00001		•		Motor

Accessories and components



GIGAcontrol A
controller
781V020
783V120
See page 17



Connection cable
until 1 kW
S11047-00001 3 m
S10595-00001 5 m
S10789-00001 7 m
S10790-00001 11 m
See page 81



Connection cable **IIP65**
until 1 kW
S10596-00001 7 m
S10597-00001 11 m
See page 81



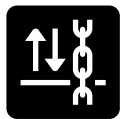
Mains connection cable
with CEE plug 230 V
21021V000
See page 82



Mains connection cable
with 3-pole plug 230 V
40019V001
See page 82

Technical drawing

Emergency hand chain (C)



Emergency operation with the emergency hand chain, required in the event of a power failure, is noted for its durability and ease of use.

Emergency hand crank (H)



Operators with an emergency hand crank offer a simple and cost-effective way of closing and opening doors in the event of power failure.

Emergency release (D)



Operators with an emergency release provide the user with a particularly quick way of opening or closing doors in the event of a power failure.

The door is mechanically disconnected from the operator and can then be opened and closed manually.

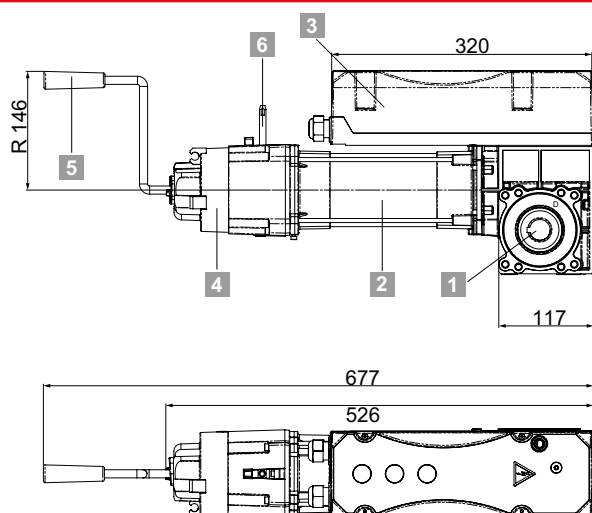
Maintenance release (M)



The operator is very frequently controlled in an emergency by a crank or emergency hand chain, which means that an additional maintenance release is useful for sectional doors. Because

the operator is positioned directly on the spring shaft, it must be possible to disconnect the gear to check the spring tension.

GIGAspeed



- 1** Worm gearing
- 2** Motor
- 3** Limit switch housing
- 4** Emergency hand crank housing
- 5** Emergency hand crank
- 6** Brake housing/brake