| General technical data | |
|---|---|
| Operating voltage | 3~AC 230 V<br>3~AC 400 V |
| Frequency (Hz) | 50 |
| Motor duty cycle (DC–%) | 40 |
| Protection class (IP) | 54 |
| Insulation class | F |
| Approved temperature range (°C) | –5...+60 |
| Continuous sound pressure level dB(A) | <70 |
| Building fuse (A) | 10 (T) |

# Selection for roller door operator

| Siederohr DIN EN 10220 (mm) | 101,6 × 3,6 | 108,0 × 3,6 | 133,0 × 4,0 | 159,0 × 4,5 | 177,8 × 5,0 |
|---|---|---|---|---|---|
| GIGAroll 018.140 **140 Nm** | 188 | 178 | 149 | 128 | 115 |
| GIGAroll 014.300 **300 Nm** | 402 | 382 | 320 | 273 | 247 |
| | | | | | |
| **Siederohr DIN EN 10220 (mm)** | **108 × 3,6** | **133,0 × 4,0** | **159,0 × 4,5** | **177,8 × 5,0** | **193,7 × 5,4** |
| GIGAroll 014.450 **450 Nm** | 573 | 480 | 410 | 371 | 343 |
| GIGAroll 011.550 **550 Nm** | 701 | 586 | 501 | 454 | 420 |
| | | | | | |
| **Siederohr DIN EN 10220 (mm)** | **133 × 4,0** | **159,0 × 4,5** | **177,8 × 5,0** | **193,7 × 5,4** | **219,1 × 5,9** |
| GIGAroll 013.650 **650 Nm** | 693 | 592 | 536 | 496 | 443 |
| GIGAroll 010.1000 **1000 Nm** | 1066 | 911 | 825 | 763 | 682 |
| GIGAroll 009.1400 **1400 Nm** | 1492 | 1276 | 1154 | 1068 | 955 |

**Note:**
The curtain weights table applies only to doors with a half safety winding and doors wider than high. 20% friction and a profile thickness of 20 mm have been factored in. The weights given are based on the starting position when the door moves out of the bottom end position (door in closed state). In case of roller shutters with unfavourable winding ratios (for example, door higher than wide, improper running-in, additional seals, special profile shapes, heights, thicknesses, full safety winding), the given curtain weights must be reduced approx. by a further 15-35%..

| 193,7 × 5,4 | 219,1 × 5,9 | 244,5 × 6,3 | 273,0 × 6,3 | 298,5 × 7,1 | 323,9 × 7,1 |
|---|---|---|---|---|---|
| 107 | 95 | 86 | 78 | 72 | 66 |
| 229 | 205 | 185 | 167 | 154 | 142 |
| | | | | | |
| **219,1 × 5,9** | **244,5 × 6,3** | **273,0 × 6,3** | **298,5 × 7,1** | **323,9 × 7,1** | **355,6 × 8,0** |
| 307 | 277 | 250 | 230 | 213 | 195 |
| 375 | 339 | 306 | 282 | 261 | 239 |
| | | | | | |
| **244,5 × 6,3** | **273,0 × 6,3** | **298,5 × 7,1** | **323,9 × 7,1** | **355,6 × 8,0** | **406,4 × 8,8** |
| 401 | 362 | 333 | 308 | 282 | 249 |
| 617 | 557 | 512 | 474 | 434 | 383 |
| 863 | 779 | 717 | 664 | 608 | 536 |

# GIGAroll operator systems with 400 V

| GIGAroll | Article name/ item number | Integrated dead man control unit | Integrated safety catch | Compatible with GIGAcontrol TA | Emergency hand crank | Emergency hand chain | Maintenance release |
|---|---|---|---|---|---|---|---|
|  | 018.140 CAET0 **9077V000** | | ● | | ● | | |
| | 018.140 CAIT0 **9073V000** | ● | ● | | | ● | |
|  | 018.140 HAET0 **9078V000** | | ● | | | ● | |
| | 018.140 HAIT0 **9079V000** | ● | ● | | ● | | |
|  | 014.300 HAET0 **S11257-00001** | | ● | | ● | | |
| | 010.1000 HAET0 **S11261-00001** | | ● | | ● | | |
| | 009.1400 HAET0 **S11262-00001** | | ● | | ● | | |
|  | 014.300 CAET0 **S11314-00001** | | ● | | | ● | |
| | 014.450 CAET0 **S11258-00001** | | ● | | | ● | |
| | 011.550 CAET0 **S11259-00001** | | ● | | | ● | |
| | 013.650 CAET0 **S11260-00001** | | ● | | | ● | |

# Required accessories and components



GIGAcontrol A controller
**783V020**
**783V650**
**786V000**
**786V650**
See page 17



Connection cable until 0,55 kW
**20967V000** 5 m
**20967V001** 7 m
**20967V002** 11 m
**20967V003** 15 m
See page 79



Connection cable IP65 until 0,55 kW
**20967V650** 5 m
**20967V651** 7 m
**20967V652** 11 m
**20967V653** 15 m
See page 79



Connection cable until 0,55 kW
**S10944-00001** 5 m
**S10945-00001** 7 m
**S10946-00001** 11 m
See page 79



Mains connection cable with CEE plug 400 V
**20896V000**
See page 80



Mains connection cable IP67 with CEE plug 400 V
**S10611-00001**
See page 80

| Operating voltage (V) | Limit switch (revolutions) | Hollow shaft Ø mm | Output speed rpm | Output torque Nm | Motor outputs (kW) | Rated current (A) | Building feed (mm²) | Weight, approx. (kg) |
|---|---|---|---|---|---|---|---|---|
| 3~230/400 | 14 | 30,0 | 18 | 140 | 0,55 | 3,45/2 | 5 × 1,5 | 11 – 15 |
| 3~230/400 | 14 | 30,0 | 18 | 140 | 0,55 | 3,45/2 | 5 × 1,5 | 11 – 15 |
| 3~230/400 | 14 | 30,0 | 18 | 140 | 0,55 | 3,45/2 | 5 × 1,5 | 11 – 15 |
| 3~230/400 | 14 | 30,0 | 18 | 140 | 0,55 | 3,45/2 | 5 × 1,5 | 11 – 15 |
| 3~230/400 | 19 | 30,0 | 14 | 300 | 1,0 | 5/2,9 | 5 × 1,5 | 25 |
| 3~230/400 | 19 | 55,0 | 10 | 1000 | 2,2 | 13/7,5 | 5 × 1,5 | 52 |
| 3~230/400 | 19 | 55,0 | 09 | 1400 | 2,2 | 13/7,5 | 5 × 1,5 | 58 |
| 3~230/400 | 19 | 30,0 | 14 | 300 | 1,0 | 5/2,9 | 5 × 1,5 | 25 |
| 3~230/400 | 19 | 40,0 | 14 | 450 | 1,5 | 6,4/3,7 | 5 × 1,5 | 30 |
| 3~230/400 | 19 | 40,0 | 11 | 550 | 1,5 | 8,7/5,0 | 5 × 1,5 | 30 |
| 3~230/400 | 19 | 40,0 | 13 | 650 | 1,5 | 7,8/4,5 | 5 × 1,5 | 35 |



Pendulum base

**767V000**

See page 81

**You didn't find the right operator?**

Then simply call the SOMMER team for industrial door operators; our friendly and competent staff will help you select the correct operator for your needs.

# Technical drawing GIGAroll 400 V

### 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.

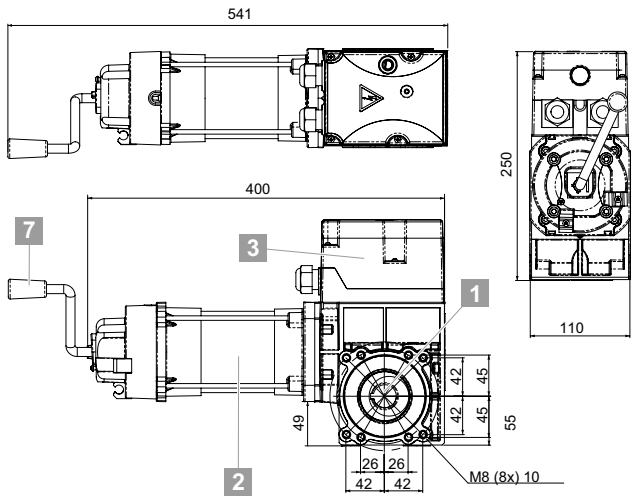
### Emergency release (D)

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)

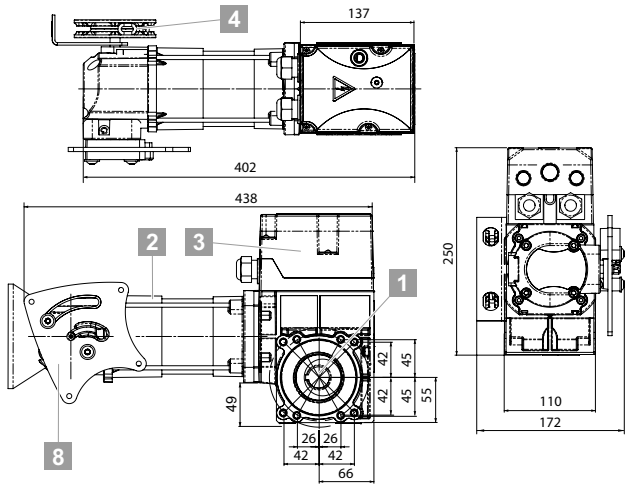
The operator is very frequently controlled in an emergency by a crank or emergency hand chain, which means that an additional maintenance release is useful for sectional doors. Because the operator is positioned directly on the spring shaft, it must be possible to disconnect the gear to check the spring tension.

GIGAroll 018.140 HAET0




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

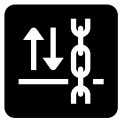
GIGAroll 018.140 HAET0




1 Worm gearing
2 Motor
3 Limit switch housing
4 Emergency hand crank housing
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# Technical drawing GIGAroll 400 V

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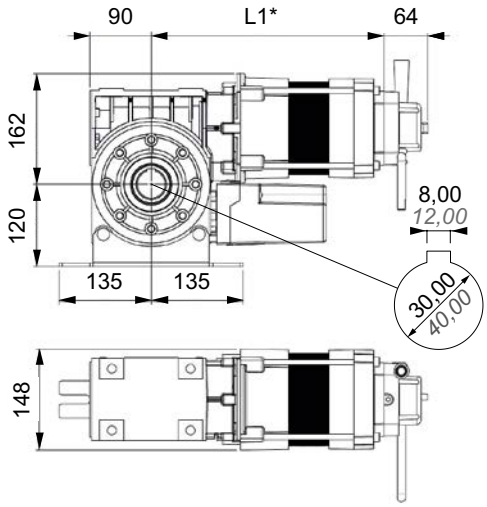
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### Maintenance release (M)



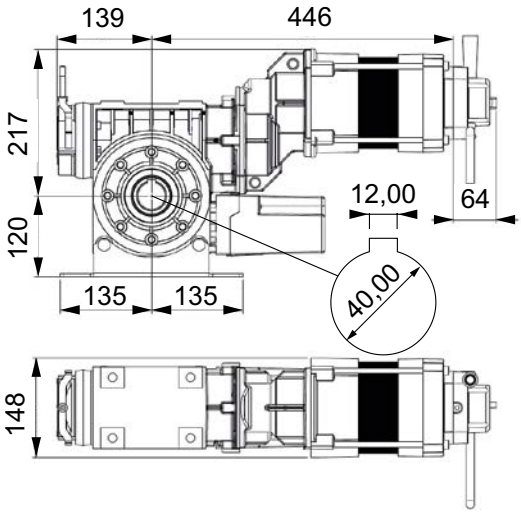
The operator is very frequently controlled in an emergency by a crank or emergency hand chain, which means that an additional maintenance release is useful for sectional doors. Because the operator is positioned directly on the spring shaft, it must be possible to disconnect the gear to check the spring tension.

## GIGAroll 014.300 HAET0 | GIGAroll 014.450 CAET0 | GIGAroll 011.550 CAET0 |



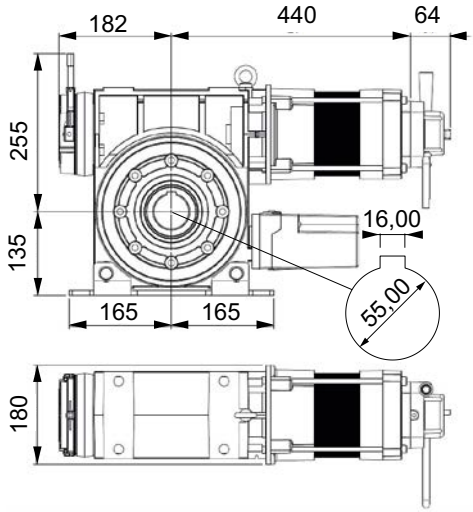



## GIGAroll 010.650 CAET0

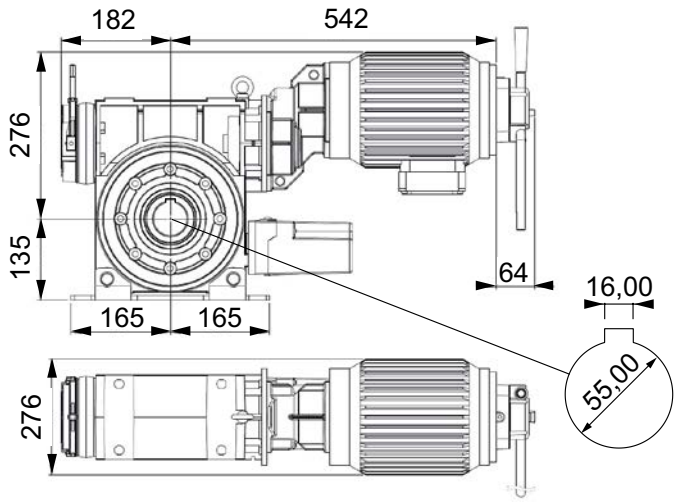




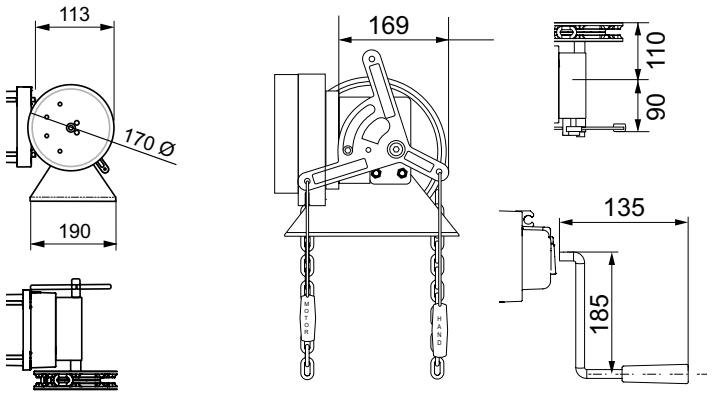

## GIGAroll 010.1000 HAET0




## GIGAroll 009.1400 HAET0




## GIGAspeed 090.180 CAET0



# Checklist for roller door operators

**Shaft-mounted**

☐ **on shaft Operator** as bearing ☐ **on shaft.** Separate bearing ☐ with chain drive

Ø Operator hollow shaft _____ mm

☐ Pendulum support axis dimension _____ mm

**Emergency release**

☐ Emergency hand crank ☐ Emergency hand chain

Weight door profile _____ kg

Ø winding shaft _____ mm

Door profile, height (Hp) _____ mm

Door profile, thickness (dp) _____ mm

Door size, height _____ mm

Door size, width _____ mm

Ø bale _____ mm
*(when gate completely opent)*

**Safety winding**

☐ half ☐ whole

**Connection cable**

☐ 5 m ☐ 7 m ☐ 11 m

## Control unit

☐ **Dead man** with integrated controller GIGAcontrol T *(only for operators with 140 Nm)*

☐ **Automatic** GIGAcontrol A R3, with 3 relay for a second option for shut-down *(operator until 1.5 kW)*

☐ **Automatic** GIGAcontrol A C3, with reversing contactor and relay for a second option for shut-down *(operator until 2,2 kW)*

**Additional modules**

☐ Radio receiver module

☐ Two-way traffic control module

☐ Induction loop module

## Accessories

☐ Handheld transmitter

☐ OSE set with door socket(s) and spiral cable

**Safety edge**

☐ 2 m ☐ 2,5 m

**Photocell**

☐ 2-wire ☐ 4-wire one-way☐ 4-wire reflection

**Induction loop module**

☐ 5 m ☐ 7 m ☐ 11 m

☐ Radar sensor

