

24 V BLDC | HEAVY DUTY

# SWING PRO A300

MODEL AG-SPA300

Articulated-arm swing gate operator engineered for villas, residential entrances and controlled-access gates.

INDOOR / OUTDOOR INSTALLATION\*



**24 V DC**

WORKING VOLTAGE

**90 N.m**

OUTPUT TORQUE

**Up to 300 kg\***

GATE LEAF WEIGHT

**-35 to +85 C**

OPERATING RANGE

## Dependable gate operation

The AGMATIC SWING PRO A300 combines a 24 V brushless drive, 1:290 reduction system and reinforced articulated arm for controlled opening and closing. Its cast-aluminium housing and #45 steel arm support demanding outdoor applications while retaining compact installation dimensions.

### Typical applications

- Villa gates
- Residential entrances
- Commercial access
- Dual-leaf gates

\*Subject to gate width, geometry, wind load and site conditions.

## Control and safety capabilities

- **Adjustable speed** Opening / closing calibration
- **Resistance rebound** Obstruction-response logic
- **Opening delay** Programmable sequencing
- **Dual-gate linkage** Coordinated double-leaf control
- **NO / NC modes** Normally open / normally closed
- **Presence sensing** Compatible sensor input\*
- **Traffic-light warning** Optional signalling interface\*
- **BLE + 430 MHz** Mobile / remote control support\*

\*Accessory, controller and regional configuration dependent.

# ENGINEERING DATA

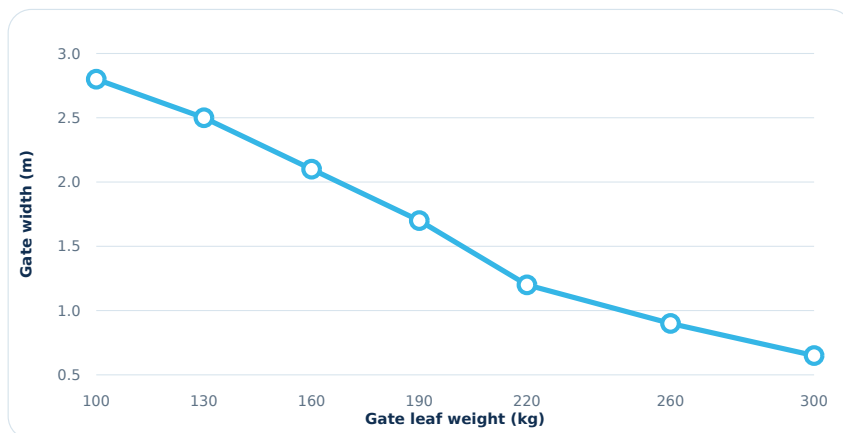
AGMATIC SWING PRO A300 | AG-SPA300 | Articulated-arm swing gate operator

## Electrical and drive specifications

|                       |                     |
|-----------------------|---------------------|
| WORKING VOLTAGE       | 24 V DC             |
| POWER SUPPLY RATING   | 180 W               |
| MOTOR TYPE            | Brushless DC (BLDC) |
| MOTOR POWER           | 80 W                |
| REDUCTION RATIO       | 1:290               |
| OUTPUT TORQUE         | 90 N.m              |
| MOTOR SPEED           | 1,800 rpm           |
| STANDBY POWER         | < 6 W               |
| REMOTE FREQUENCY      | 430 MHz             |
| WIRELESS INTERFACE    | BLE support         |
| OPERATING TEMPERATURE | -35 C to +85 C      |

|                      |                    |
|----------------------|--------------------|
| HOUSING DIMENSIONS   | 215 x 161 x 180 mm |
| HOUSING MATERIAL     | Cast aluminium     |
| ARTICULATED ARM SIZE | 350 mm             |
| BASE SIZE            | 72 x 38 x 7 mm     |
| ARM MATERIAL         | #45 steel          |
| ARM TENSILE STRENGTH | > 450 MPa          |
| PACKAGE DIMENSIONS   | 440 x 255 x 180 mm |
| TOTAL WEIGHT         | Approx. 8.7 kg     |
| INSTALLED REACH      | Approx. 480 mm     |
| BRACKET HEIGHT       | Approx. 360 mm     |
| UPPER LINK REFERENCE | Approx. 250 mm     |

## Gate leaf selection guide



### REFERENCE POINTS

| LEAF WEIGHT | MAX. WIDTH* |
|-------------|-------------|
| 100 kg      | 2.80 m      |
| 130 kg      | 2.50 m      |
| 160 kg      | 2.10 m      |
| 190 kg      | 1.70 m      |
| 220 kg      | 1.20 m      |
| 260 kg      | 0.90 m      |
| 300 kg      | 0.65 m      |

\*Indicative selection values, per gate leaf.

### ENGINEERING SELECTION NOTE

Final operator selection must consider actual leaf weight and length, hinge geometry, gate infill, wind pressure, mechanical stops, opening angle, duty cycle, mounting rigidity and site exposure. Use compatible safety sensors and accessories where required by the project risk assessment and applicable regulations.

Self-locking, presence sensing, traffic-light warning, mobile control and double-gate functions depend on installation and controller configuration.