

230 V AC | HEAVY DUTY

AGMATIC RAM2500

MODEL AG-RAM2500

High-torque AC electromechanical operator for residential and commercial sliding gates up to 2,500 kg.

RESIDENTIAL / COMMERCIAL



2,500 kg

MAXIMUM GATE WEIGHT

45 N.m

OUTPUT TORQUE

12 m/min

NOMINAL GATE SPEED

1,200 W

RATED POWER

Heavy-gate performance

The AGMATIC RAM2500 combines a 230 V AC motor, 1,200 W rated power and 45 N.m output torque for demanding sliding-gate applications. The intensive-duty rating supports frequent access where correct gate mechanics and installation conditions are maintained.

Typical applications

- Commercial gates
- Industrial access
- Warehouses
- Large residences

Final selection must consider actual gate mass, track condition, wheel friction, alignment, wind pressure, travel length and site duty.

Drive and integration highlights

- 230 V AC drive** High-torque motor system
- 45 N.m torque** Heavy rack-and-pinion output
- Intensive duty** Frequent access operation
- Keyed manual release** Controlled emergency access
- IP44 enclosure** Protected installation required
- Quiet operation** Declared noise <= 56 dB
- Control integration*** Project controller dependent

*Photocells, access control, push buttons, warning devices and automatic functions depend on the selected control panel, accessories and project wiring.

ENGINEERING DATA

AGMATIC RAM2500 | AG-RAM2500 | Heavy-duty AC sliding gate operator

Electrical and mechanical specifications

Values reproduced from supplied manufacturer data

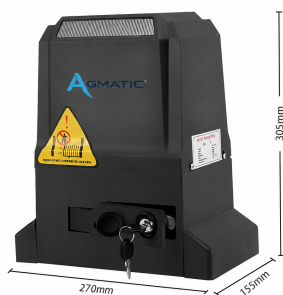
POWER SUPPLY	230 V AC
MOTOR VOLTAGE	230 V AC
MOTOR TYPE	AC electromechanical
RATED POWER	1,200 W
OUTPUT TORQUE	45 N.m
MOTOR ROTATION	1,400 rpm
RUNNING SPEED	12 m/min
DUTY RATING	Intensive

MAX. GATE WEIGHT	Up to 2,500 kg*
PROTECTION CLASS	IP44
OPERATING RANGE	-45 C to +65 C**
DECLARED NOISE	<= 56 dB
DIMENSIONS	305(H) x 270(W) x 155(D) mm
PACKING WEIGHT	Approx. 16.5 kg
APPLICATION	Residential / commercial
MANUAL RELEASE	Key-operated

*Maximum gate weight depends on gate condition, track alignment, wheel friction, wind and installation quality.

**Temperature range is manufacturer-supplied; confirm final component and site suitability.

Product dimensions



Drive output architecture

Heavy-duty AC motor with external drive pinion



ENGINEERING SELECTION NOTE

Use a level reinforced foundation, correctly aligned rack and free-running gate wheels. Provide drainage and keep the IP44 operator above standing-water level. Install compatible safety devices, isolation and mechanical end stops as required by the risk assessment. Electrical and access-control interfaces must follow the selected controller manual and applicable regulations.