AUTO GATES

FAAC gate motors compared with BFT, CAME and DEA

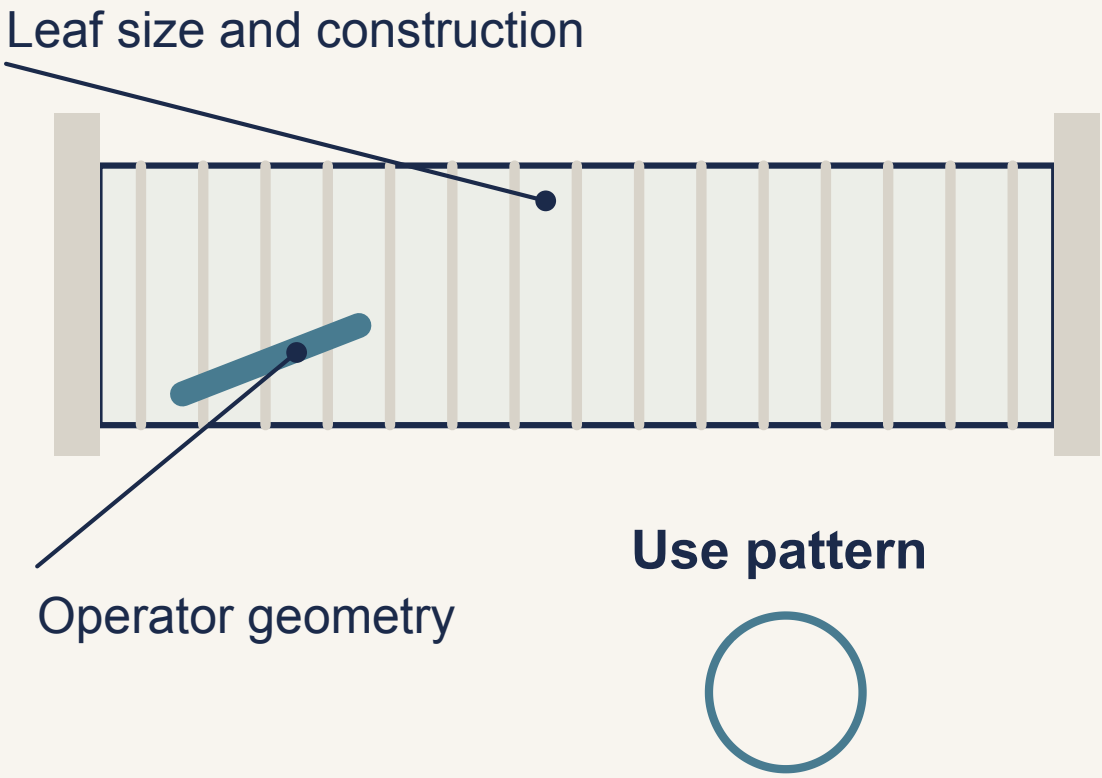
By DirectHome Team Updated 12 October 2026 9 min read Explore our auto gates service ↗

A FAAC 412 auto gate motor is rated for a swing leaf up to 1.8 m. For a longer leaf, BFT's PHOBOS BT A25 reaches 2.5 m with an electric lock, CAME's AXI25DGS takes 2.5 m and 250 kg, and DEA's LOOK comes in 3 m and 5 m versions. Gate weight, hinges and daily use narrow the choice.

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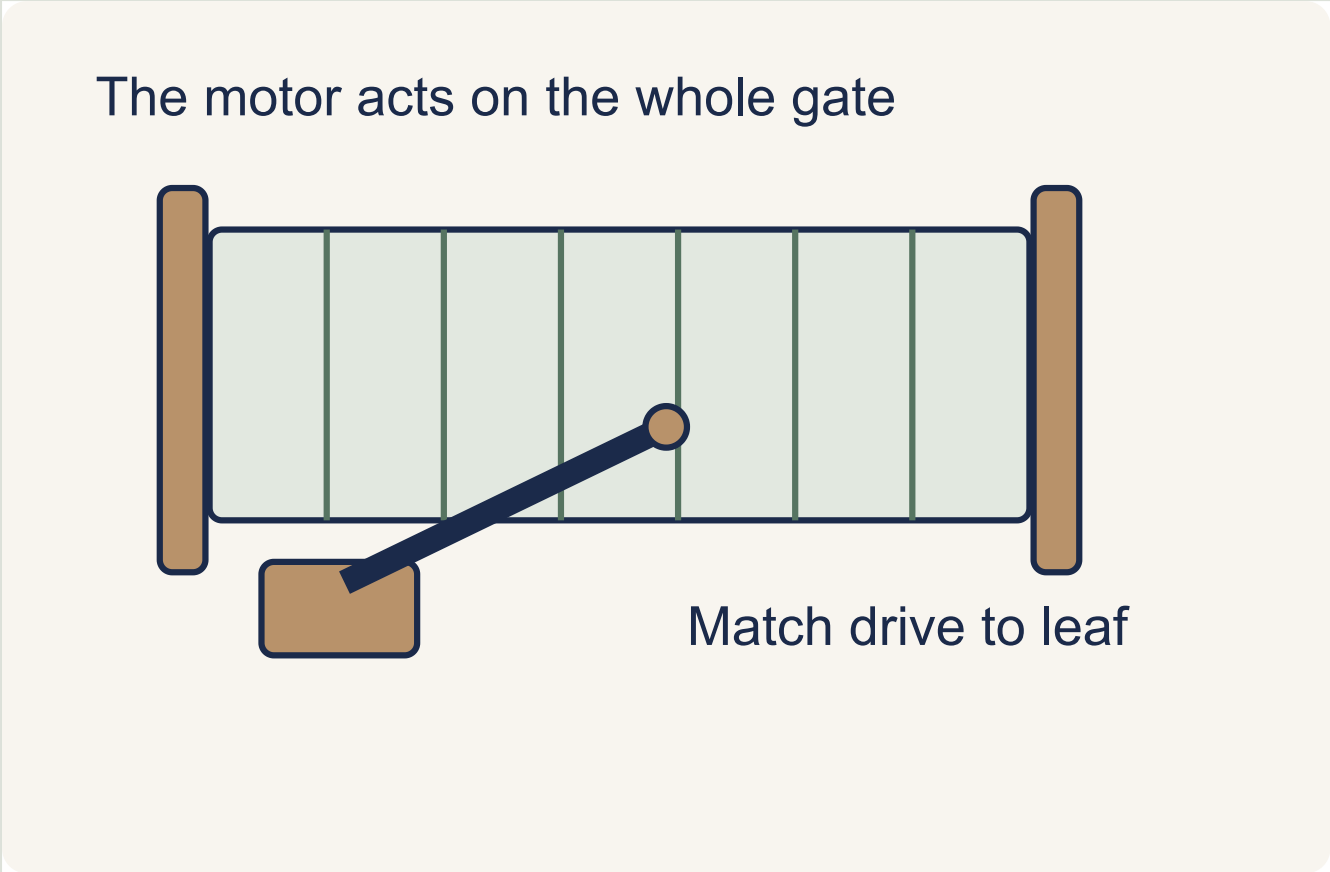
A motor rating needs a gate context



Match the exact operator to the whole gate.

Leaf geometry, construction and use pattern affect the operator choice. A model rating needs the context of the actual gate.

Four Swing-Gate Options Compared



The operator needs to suit the leaf and the way it moves on the installed gate.

These are external operators for swing gates, suitable for comparing proposals for auto gate installation or replacement. A leaf is one moving panel, not the full driveway opening. Each maker sells other models too. BFT's PHOBOS manual, for example, also covers the longer A40, rated for leaves up to 3 m without an electric lock or 4 m with one. Check the exact model on your quote and ask whether it is stocked and warranted in Singapore.

Four swing-gate operators and their published configurations. Check length and weight together against the exact model manual.

Reference model	Published configuration	What changes the choice
FAAC 412	230 V electromechanical operator; single leaf up to 1.8 m; 18 cycles per hour.	A 2.2 m leaf is outside this model's stated width limit. Choose another suitable model rather than relying on the brand name.

Reference model	Published configuration	What changes the choice
BFT PHOBOS BT A25	24 V; up to 2 m without an electric lock or 2.5 m with one; manual lists approximately 400 kg maximum leaf weight.	The lock changes the installation scope above 2 m. Battery kit BT BAT is optional; confirm the exact manual revision for the supplied equipment.
CAME AXI25DGS	24 V with encoder; headline limits 2.5 m and 250 kg; 50% duty cycle.	Check the combined operating limits. Blackout operation needs dedicated accessories and CONNECT remote control needs a gateway.
DEA LOOK	Family has 320 mm and 520 mm stroke versions for leaves up to 3 m and 5 m respectively.	Specify the version and applicable weight limit. The 5 m reach applies only to the 520 mm version.

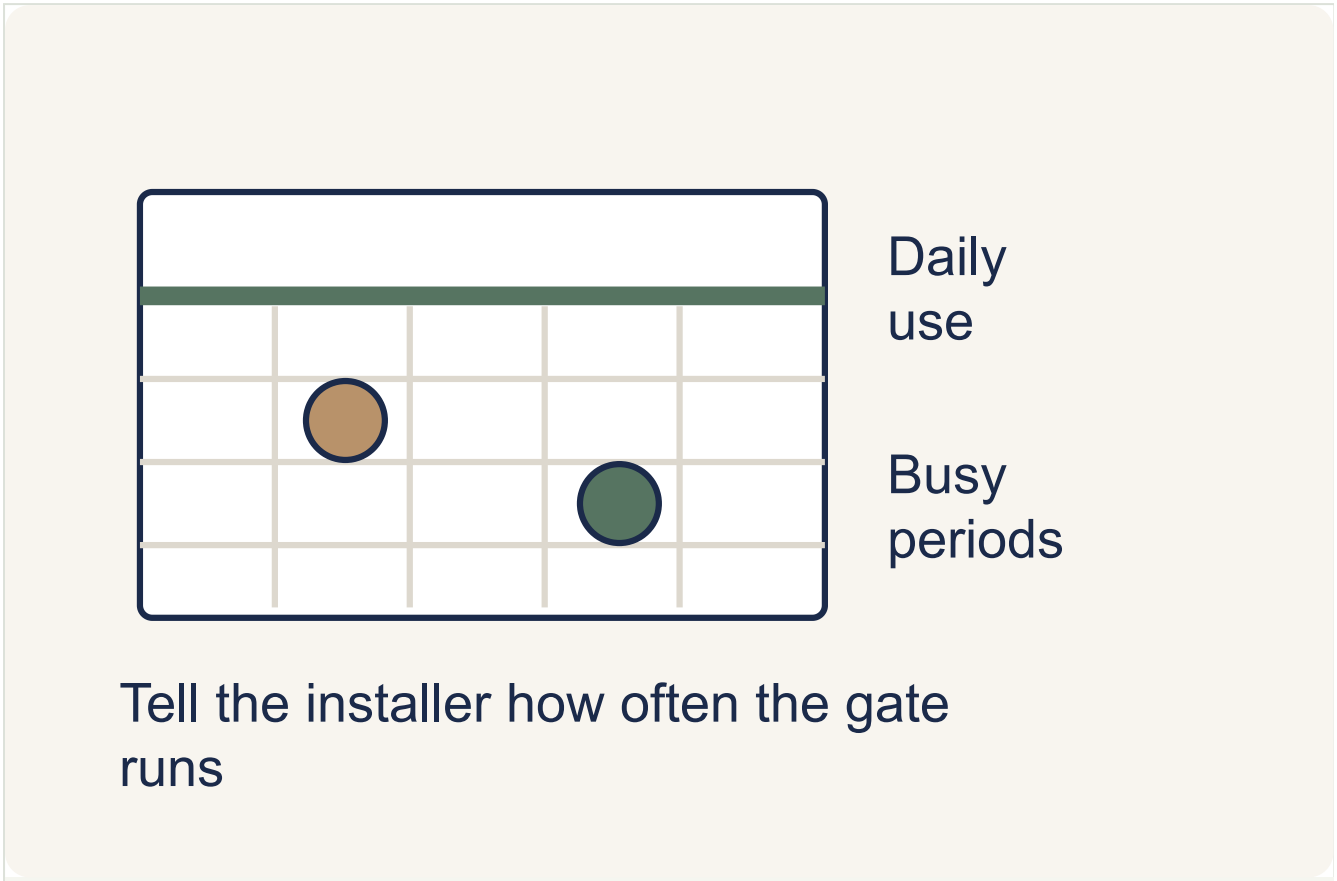
An encoder gives the controller feedback about movement. For DEA LOOK, encoder equipment varies by version and works alongside external safety accessories; it is not a substitute for assessing the complete gate. Actuator stroke means how far the arm extends or retracts, while its mounting position determines how that movement opens the leaf.

For example, a 2.2 m swing leaf exceeds the FAAC 412 page's 1.8 m limit. The PHOBOS BT A25 manual treats that same length differently depending on whether an electric lock is fitted. That is a real difference to resolve before comparing quotations. Neither example says a motor is suitable just because the leaf falls below a headline length: weight, hinge position, wind exposure and the available mounting space still matter.

Have a qualified gate technician assess the mechanical condition with the power isolated and the gate secured before close inspection. A motor cannot correct a loose post or worn hinge. Homeowner observations should stay at a safe distance, without touching moving parts or opening electrical covers.

If the driveway layout is still undecided, the swing or sliding gate comparison explains the space each movement needs. Our auto gate buying guide brings the layout, controls and installation decisions together.

Duty Cycle and Heavy Use



Describe ordinary use and busy periods so the operator can be matched to the household's pattern.

Duty ratings describe how frequently an operator can run under specified conditions; manufacturers may express them as cycles or operating-time limits. Check the definition in the model's documentation and compare it with the household's busiest periods, not only an average day.

The FAAC 412 specification gives 18 cycles per hour, while the CAME AXI technical data states a 50% duty cycle. One counts cycles and the other describes operating time relative to rest. Ask the installer to interpret each rating for the proposed gate; the figures cannot be ranked as if they were the same unit.

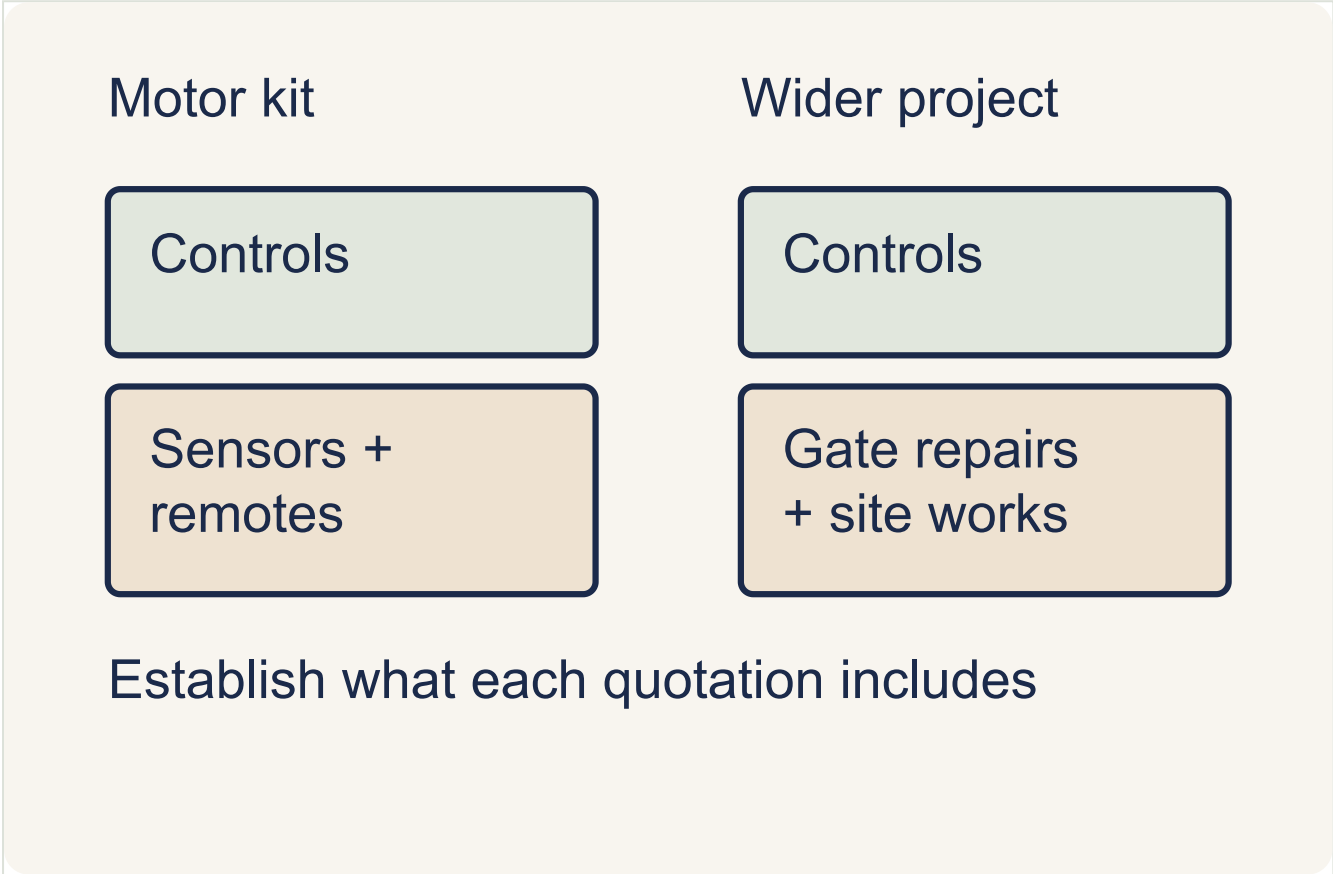
A gate that operates repeatedly in a short burst can place different demands on the drive from the same number of movements spread across a day. Weight is also only part of the load: a wide solid panel catches wind, and worn hinges or a dirty track resist movement. The operator rating, gate geometry and installation condition therefore belong in one assessment. Choosing a larger motor without resolving friction or trapping hazards can preserve the underlying problem.

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Compare the Complete Installed Cost



A motor kit and a project that includes repairing the gate can have different quotation boundaries.

Use the same inclusions for each quotation. Leave an unquoted item unresolved rather than assuming it is free.

Cost line	What the installed quotation should identify
Drive and controls	Exact motor model, number of arms, controller and remotes.
Safe operation	Required safety devices, locks, stops and commissioning work.
Existing gate	Hinge, post or other repair work and any components proposed for reuse.
Power and access features	Electrical work, battery equipment, intercom connection and app hardware.

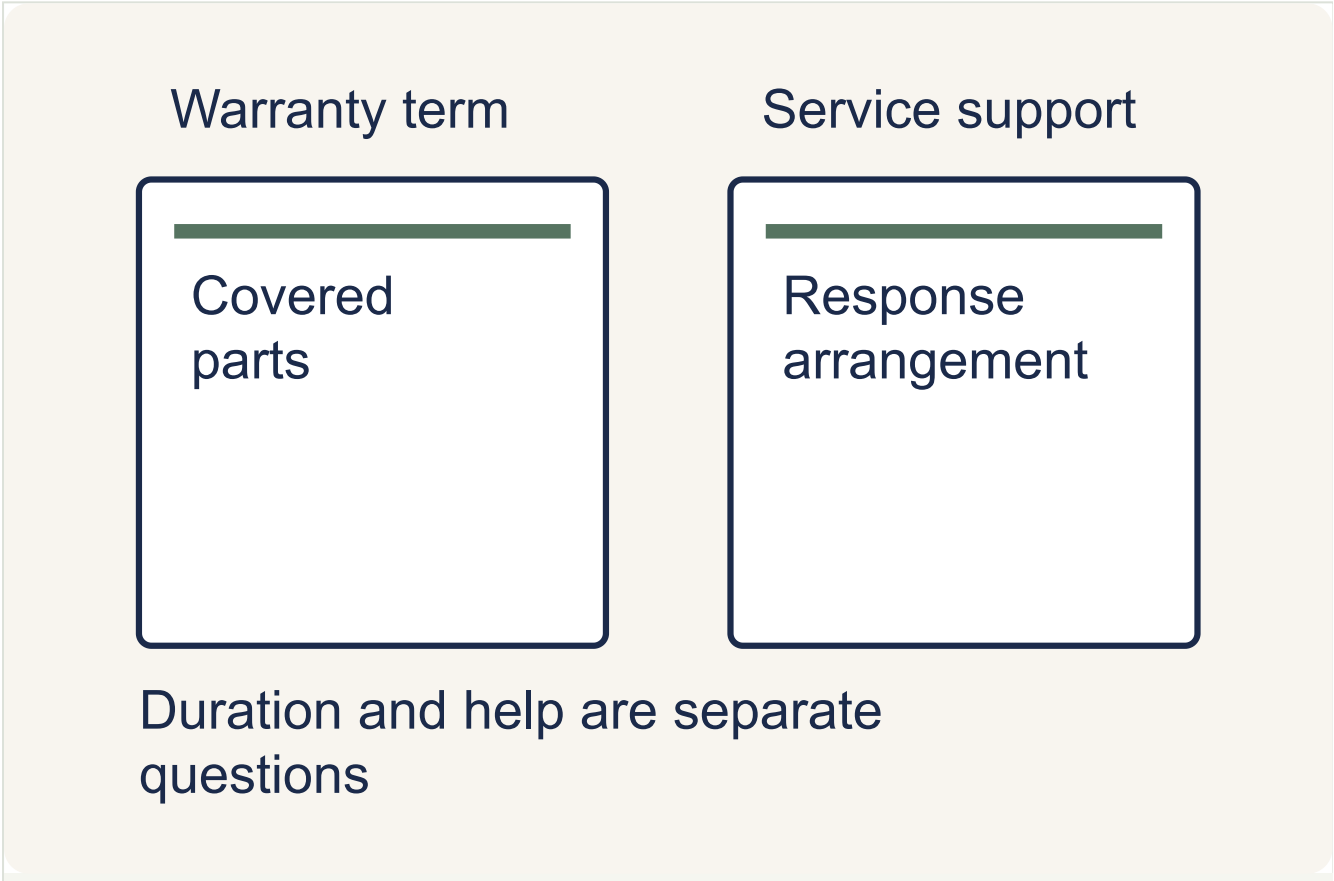
Cost line	What the installed quotation should identify
Handover and support	User instructions, warranty issuer, labour cover and chargeable visits.

A motor’s price on its own isn’t the cost of an automated gate. One quotation may supply only the drive, while another includes two arms, the controller, safety devices and repairing the existing gate. Have each proposal fill the same scope before deciding which total is lower.

For a PHOBOS BT A25 leaf longer than 2 m, the electric lock in BFT’s model table is part of that scope. Battery backup and connected control also need compatible equipment. A quotation that leaves those items out cannot be compared directly with one that includes them.

Show whether the existing gate is being retained, repaired or replaced, and whether GST is included. Our auto gate cost guide covers the broader project budget.

Warranty Terms



Written warranty cover and the arrangement for obtaining service are separate ownership questions.

Read product and installation cover separately.

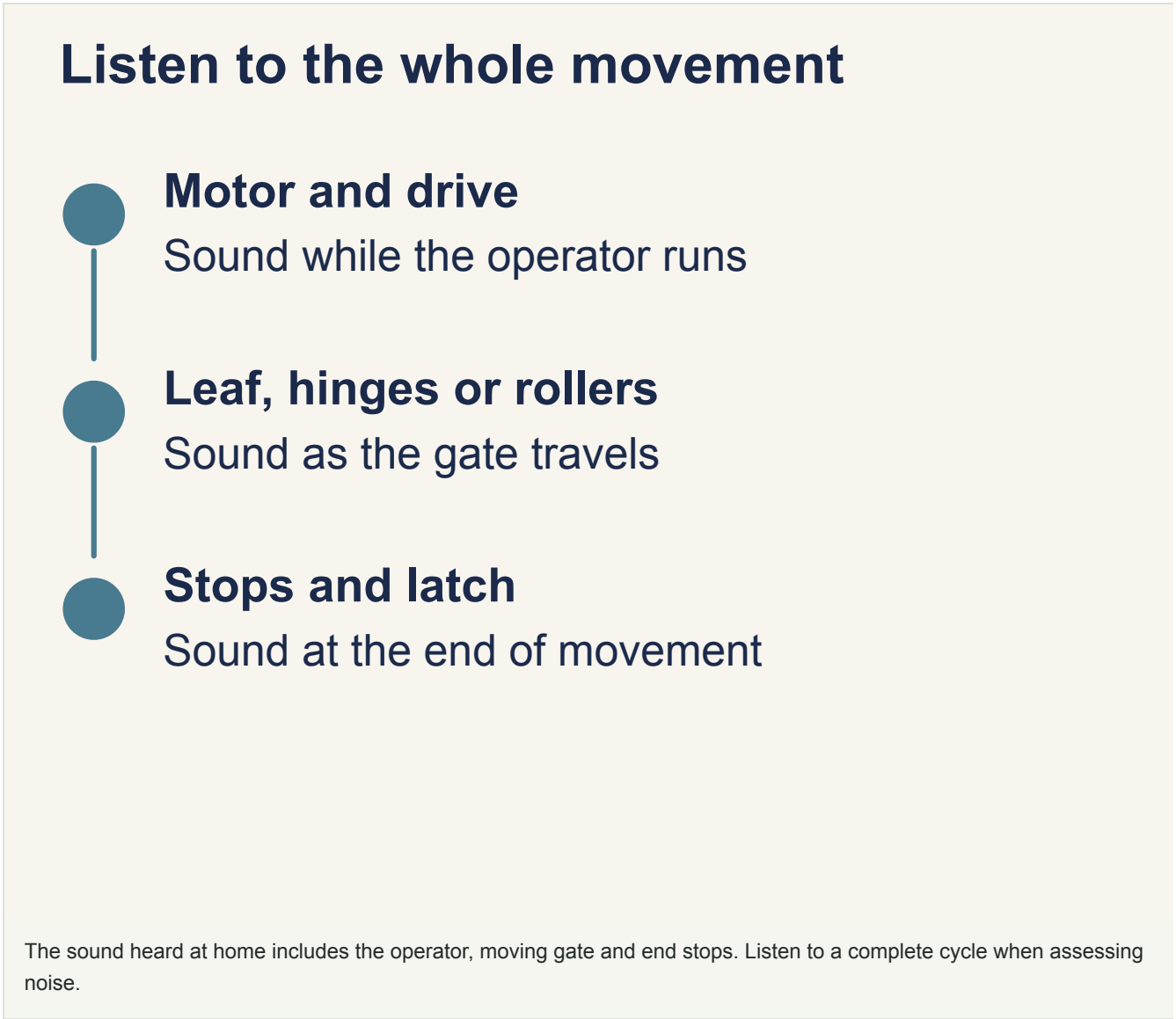
Part of cover	Question that changes the repair bill
Motor or gearbox	Is the remedy repair or replacement, and who supplies it locally?
Controller and accessories	Are boards, remotes, batteries and safety devices included?
Labour and attendance	Are diagnosis, removal, refitting and travel covered?
Conditions	Which maintenance, misuse or environmental exclusions apply?

A motor warranty can cover a replacement component while leaving labour, diagnosis or transport chargeable. Separate those costs before treating a long term as comprehensive cover. A warranty advertised for a different country or distributor does not automatically apply to a Singapore installation.

Identify who issues the product warranty and who warrants the installation. If the controller or a safety device fails, the paperwork should show whether it falls under the same cover as the motor. Keep any maintenance conditions beside the warranty so they can be followed.

Local parts support changes what happens after a fault is diagnosed. Ask who obtains a replacement board or arm, how chargeable work is approved and what happens if the model is discontinued. A written attendance commitment still does not promise that the required part will be available on that visit.

Noise Levels

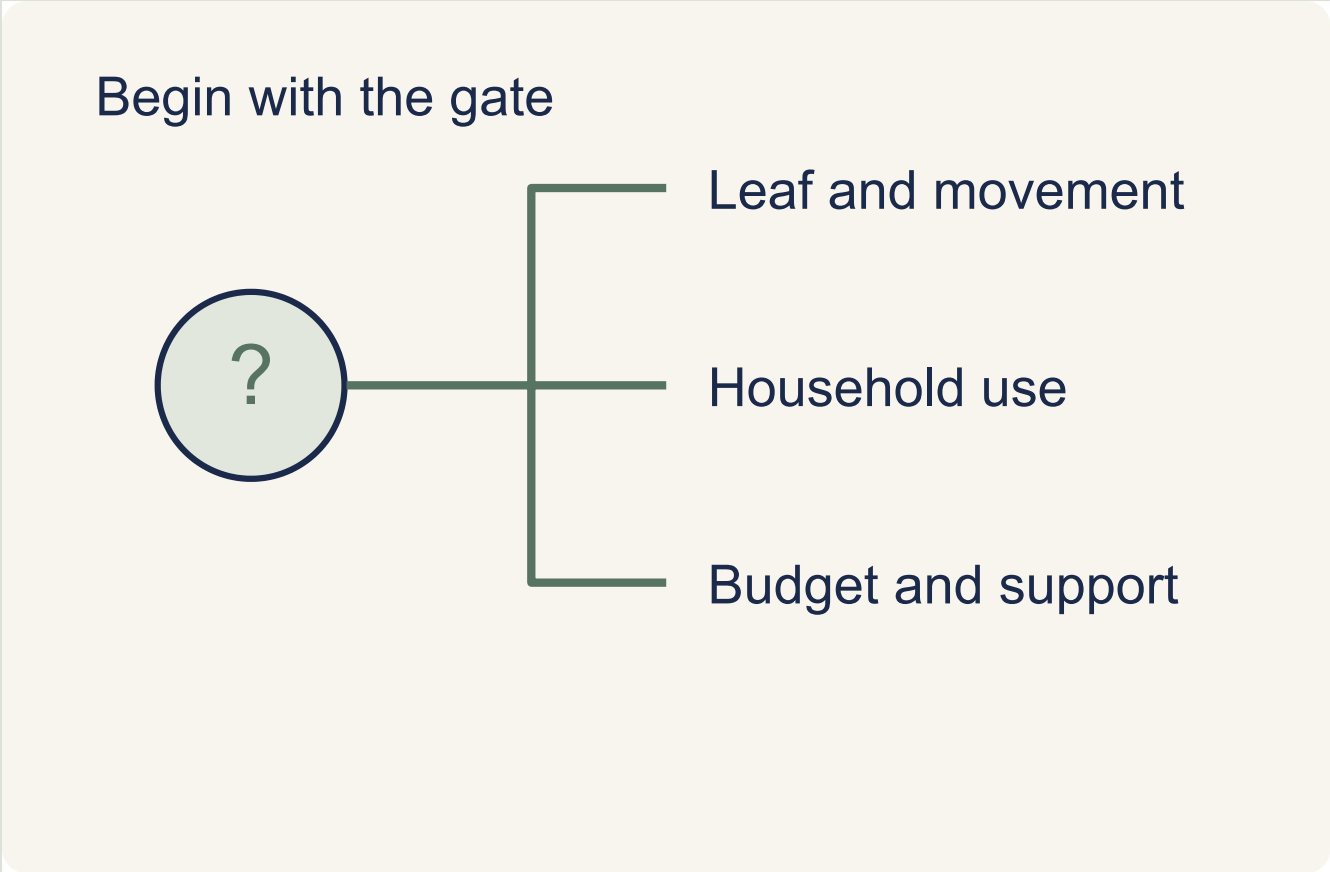


The sound heard at home includes the operator, moving gate and end stops. Listen to a complete cycle when assessing noise.

The four reference families above use electric motors and mechanical drives. Their model specifications explain operating limits and controls, but do not provide a like-for-like test of the noise heard inside a bedroom. Hinges, gate panels, end stops and the latch can all contribute to what you hear.

If a bedroom faces the gate, ask to hear the proposed model on a similar installation. Include the complete opening and closing cycle in the check: the motor, gate movement, stops and latch all matter to the sound you will hear. Record any agreed adjustment work in the installation scope.

Which One Do You Pick?

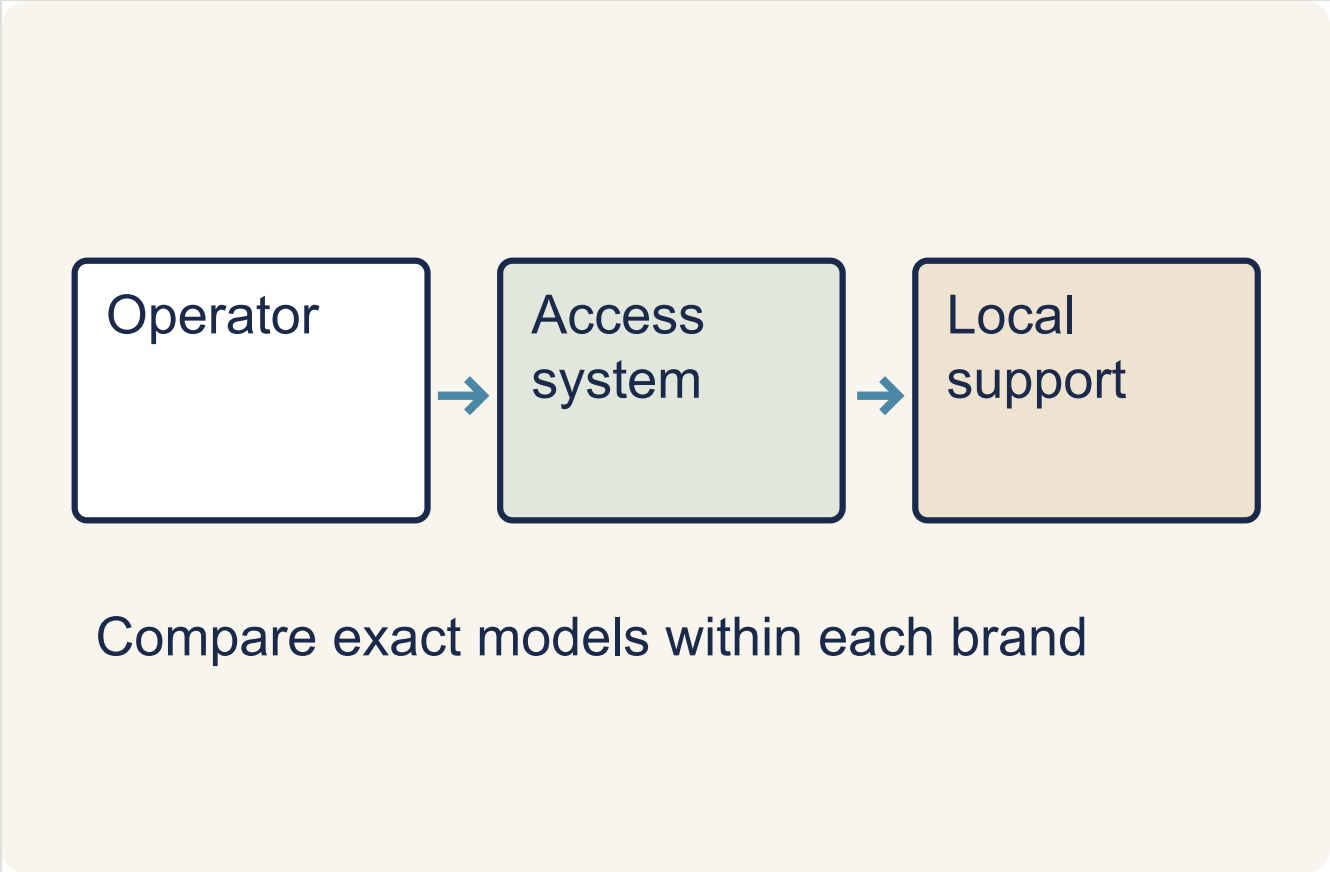


Pick the model rated for your leaf's length, weight and daily use, with parts you can get in Singapore. No single brand is best on every gate.

For a swing leaf up to 1.8 m, shortlist the FAAC 412 when its use rating and mounting geometry fit. For a 2.2 m leaf, the PHOBOS BT A25 needs the electric-lock configuration in its manual; the CAME AXI25DGS provides another model to assess. For a longer leaf, examine the relevant DEA LOOK version and its weight limits before pricing it.

No single brand is the best or most reliable on every gate. The best gate motor for yours is the model rated for its leaf length, weight and daily use, fitted with the safety devices it needs and backed by parts you can get in Singapore. Bring the leaf dimensions, the model name from the existing motor's label (read it with the gate closed and switched off, without opening any cover) and any quotations to discuss an auto gate replacement.

If You Are Also Considering Nice or Ranger



Compare the operator, access ecosystem and local support offered for each exact model.

Check a Nice or Ranger quote the same way. Ask for the exact model and its manual, then check its leaf length, weight limit and use rating against your gate as in the table above. Treat claims about speed, power and app control as questions for that model's manual.

For app control, distinguish opening the gate from checking whether it is closed or giving someone temporary access. Those functions may need different control equipment or subscriptions. Have the proposed features demonstrated and any recurring charge written into the offer.

Our gate brand buying article covers choosing between brands more broadly.

Common questions

Which gate motor is the most reliable?

No single brand is the most reliable on every gate. Pick a model rated for your leaf's length and weight and your busiest hour of use, have the hinges and posts checked before a motor goes on, and confirm who in Singapore supplies its parts and repairs it.

How much does an installed FAAC auto gate kit cost in Singapore?

There’s no current independent published price for an installed kit in Singapore. The total moves with the number of arms, the controller and remotes, the safety devices, any electric lock or battery kit, electrical work and repairs to the existing gate, so ask for each line priced and GST stated. Our auto gate cost guide covers the wider project budget.

What are the different types of gate motors?

Swing gates use drives that turn the leaf around its hinges, including linear arms, articulated arms and underground operators. Sliding drives move the gate sideways along its run. Swing operators can be electromechanical or hydraulic. All four models in the table above are electromechanical, and DEA, the maker of the LOOK, also makes a hydraulic swing operator for large and heavy gates, the OLI/N.

How do I choose between an AC and DC sliding gate motor?

AC or DC tells you how the motor is powered, not which motor is better, so ask what each one does in a power cut. Of the swing motors on this page, the 412 uses a single-phase AC motor on 230 V mains, and when the power goes, its maker’s release key lets the gate be opened by hand. The CAME AXI’s motor runs on 24 V DC and can keep working through a blackout with the maker’s dedicated accessories. BFT’s manual lists a BT BAT battery kit that runs the 24 V PHOBOS for a short time without mains power. For a sliding gate, ask the same of the exact model you’re quoted and check any battery kit is in the price. Our auto gate battery backup article covers backup power in more detail.

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