

FAAC vs BFT vs CAME vs DEA: Auto Gate Motors Compared

By [DirectHome Team](#) Updated 16 September 2026 9 min read [Explore our auto gates service ↗](#)

FAAC, BFT, CAME and DEA offer swing-gate motors with different limits and control options. The FAAC 412 is a reference for shorter leaves; the BFT PHOBOS BT A25 and CAME AXI25DGS cover longer ones, while DEA LOOK offers two actuator lengths. This comparison explains what those differences mean for your driveway, then separates the motor choice from installation cost and local aftercare.

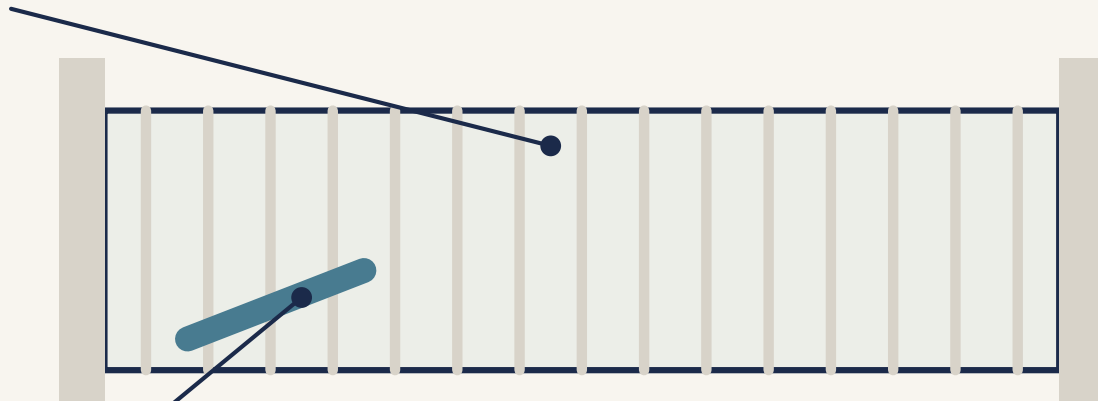
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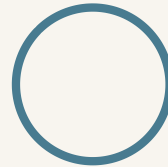


A motor rating needs a gate context

Leaf size and construction



Use pattern



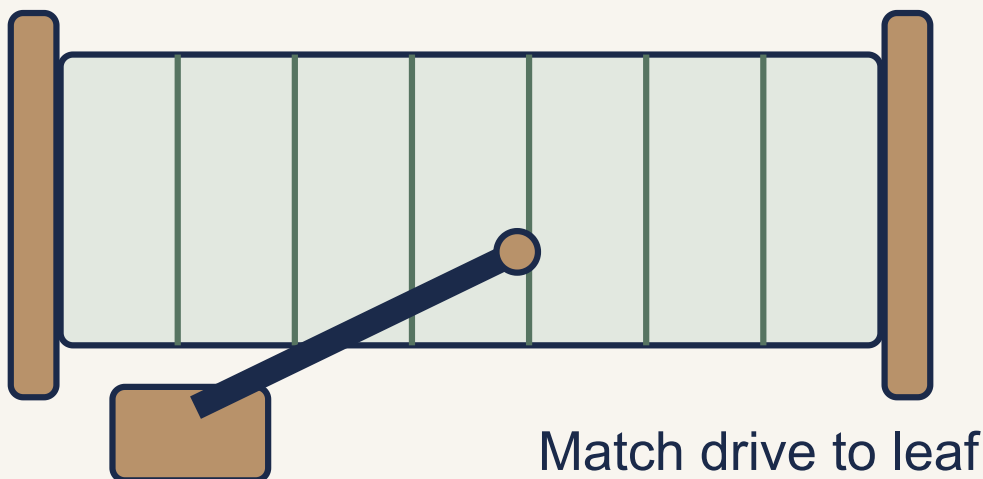
Operator geometry

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 motor acts on the whole gate



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

The examples below are external operators for swing gates. A leaf is one moving gate panel, not the full driveway opening. Use the exact model on your quotation: each brand also makes other operators, and these examples do not establish Singapore stock or installation terms. For a sliding gate, start with our [swing-versus-sliding comparison](#) instead.

Representative models and configurations. The installer must check the combined length, weight and mounting limits for the actual gate.

Reference option	Documented limits or configuration	What changes for the homeowner
FAAC 412	230 V; maximum single-leaf width 1.8 m; published use frequency 18 cycles per hour.	A compact residential reference. A wider leaf needs another suitable model; a strong-looking arm does not override its length limit.
BFT PHOB OS BT A25	24 V; up to 2 m without an electric lock, or 2.5 m with one; manual lists maximum leaf weight about 400 kg.	Above 2 m the lock becomes part of the installation. The manual also identifies optional battery backup; it is not included merely because the motor is 24 V.

Reference option	Documented limits or configuration	What changes for the homeowner
CAME AXI25 DGS	24 V with encoder; published maximum leaf length 2.5 m and maximum weight 250 kg, subject to the model operating limits.	CONNECT control uses a compatible gateway. Blackout operation needs the dedicated accessories; include them if the feature matters.
DEA LOOK	Family has 320 mm and 520 mm actuator-stroke versions for leaves up to 3 m and 5 m respectively; selected version and gate weight determine suitability.	Longer-stroke options cover different gate geometry. Encoder availability and connected-control hardware vary by version; specify them rather than buying the family name.

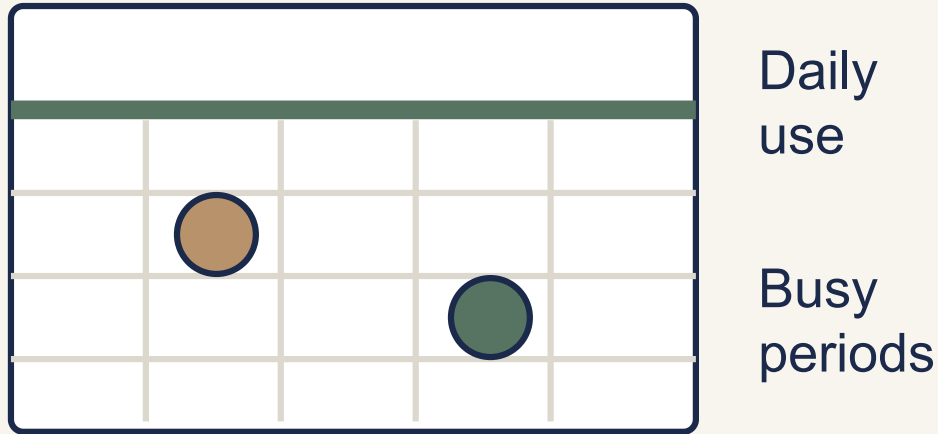
An encoder gives the controller feedback about movement; it does not replace the safety devices and assessment needed for the gate. Actuator stroke means how far the arm extends or retracts, not how far the gate travels across the driveway. The mounting geometry connects that arm movement to the leaf's opening angle.

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.

The motor affects daily gate movement, but it works as part of a complete installation. A correctly selected operator cannot compensate for damaged hinges, an unstable post or a binding track. Have the mechanical condition and safety design assessed alongside the motor.

The brands discussed here offer different models and accessories. Compare the proposed [operator](#) rather than assuming that one brand has a single mechanism, price or endurance rating. Local availability and service support should be confirmed for that exact model.

Duty Cycle and Heavy Use



Tell the installer how often the gate runs

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 data](#) states a 50% duty cycle. These are different measures: one counts cycles; the other limits operating time relative to rest. They are not a brand league table. Compare the model's own definition with the morning period when several family members, cars and deliveries may use the gate.

Shared access and frequent visitors can place different demands on a gate from occasional household use. The installer should select for those demands, the panel and local exposure. There is no universal daily-cycle threshold that makes one brand the correct choice.

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

Motor kit

Controls

Sensors + remotes

Wider project

Controls

Gate repairs + site works

Establish what each quotation includes

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

Singapore installation-guide examples for motor types, not prices for the four specific models above. Confirm kit contents, number of operators, electrical work and GST.

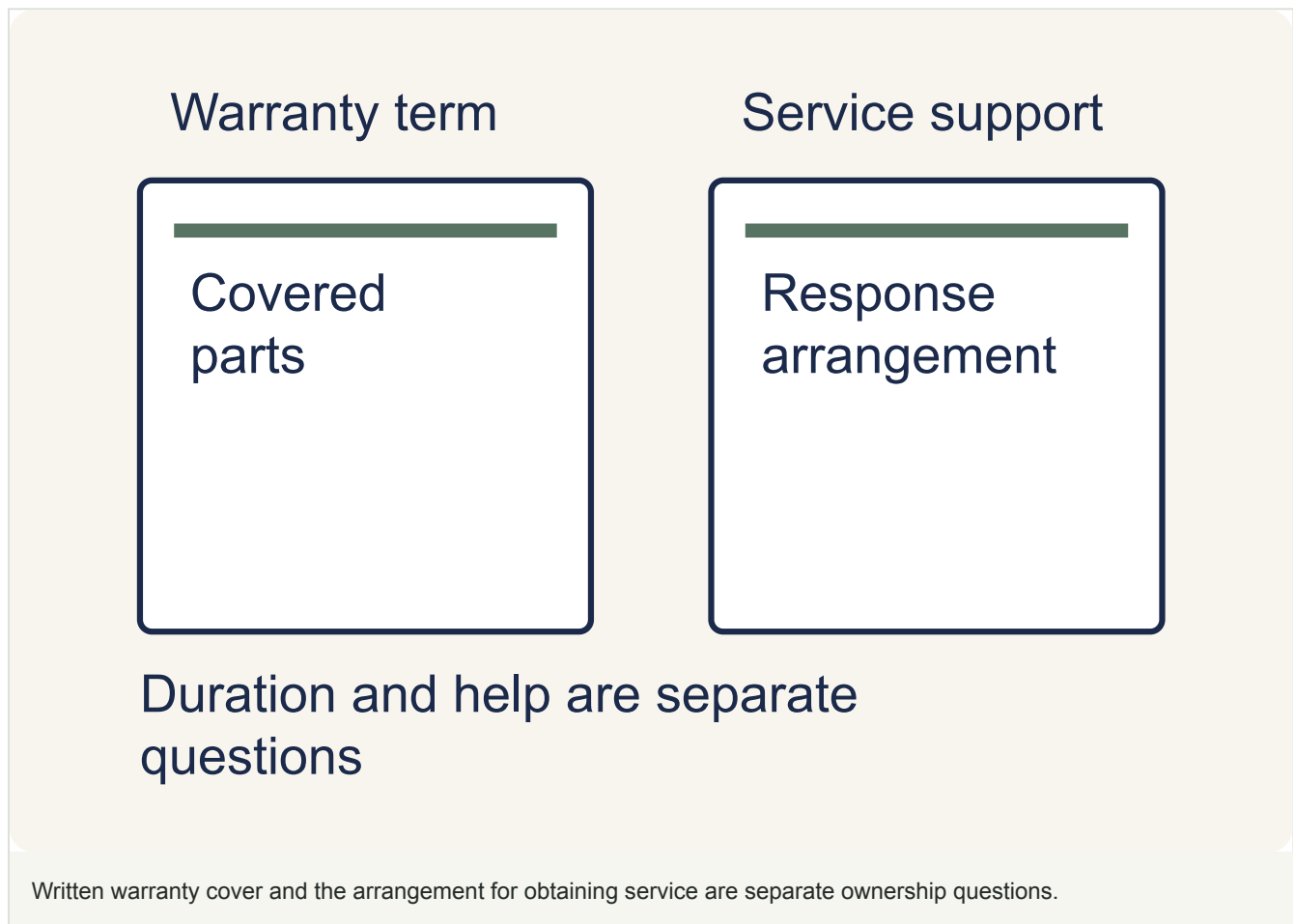
Motor installation scope	Budget reference
Basic swing-arm retrofit	S\$1,200–S\$1,600
Premium Italian swing-arm retrofit	S\$1,800–S\$2,500
Underground motor retrofit	S\$2,200–S\$3,200
Standard sliding motor retrofit	S\$1,500–S\$2,200

These [motor-installation budget examples](#) help distinguish the scale of work. They do not establish a FAAC-versus-BFT-versus-CAME-versus-DEA price ranking. A specific model may need a different controller, lock or safety arrangement; its installed quotation must include those items. Compare a sliding system only if the site can accommodate its sideways travel.

Request installed quotations for an equivalent scope: operator, control board, safety devices, remotes, electrical work and commissioning. State whether the existing [gate](#) is being retained. A motor-only price cannot be compared directly with a complete fabricated gate installation.

Have hinges, tracks, racks, posts and power provision assessed before agreeing to reuse them. Repairs to those parts can change the total more than the operator choice. Keep any provisional allowances visible until the site assessment resolves them.

Warranty Terms



An illustrative warranty comparison: use the actual terms supplied with each quotation. These are not warranties offered by the named brands.

Written offer	If a covered motor fails after 18 months	Question that changes the cost
24 months on the motor; labour limited to 12 months	A replacement motor may be covered while the repair visit is chargeable.	What are diagnosis, labour, travel and shipping charges?
24 months on covered parts and labour	The covered repair may include labour, subject to the stated exclusions.	Does cover include the board and accessories, and who attends locally?

A two-year motor warranty and two-year parts-and-labour cover can leave very different repair bills. The comparison above shows why the scope matters as much as the number of years. Use the term in the local contract; a warranty advertised for another country or distributor does not automatically apply to your Singapore installation.

Obtain the actual warranty terms for the quoted model and installation. Separate product and labour cover, identify the issuer and check access or call-out charges. A brand does not establish a universal Singapore warranty period.

Ask how faults are reported, whether emergency attendance is offered and what response commitments are contractual. Keep the local contact and exclusions in the handover documents. A long warranty period without a clear remedy can leave important costs with the owner.

Listen to the whole movement



Motor and drive

Sound while the operator runs



Leaf, hinges or rollers

Sound as the gate travels



Stops and latch

Sound at the end of movement

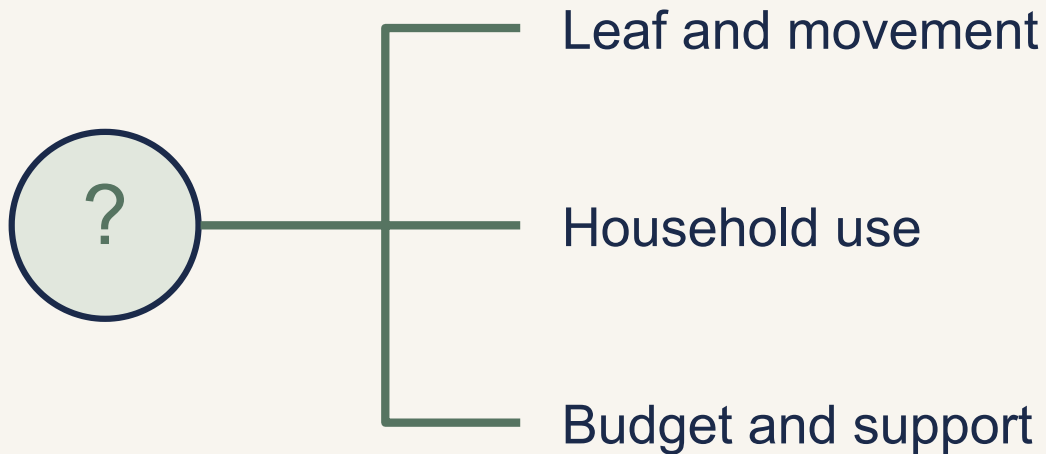
The sound heard at home includes the operator, moving gate and end stops. Listen to a complete cycle when assessing noise.

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?

Begin with the gate

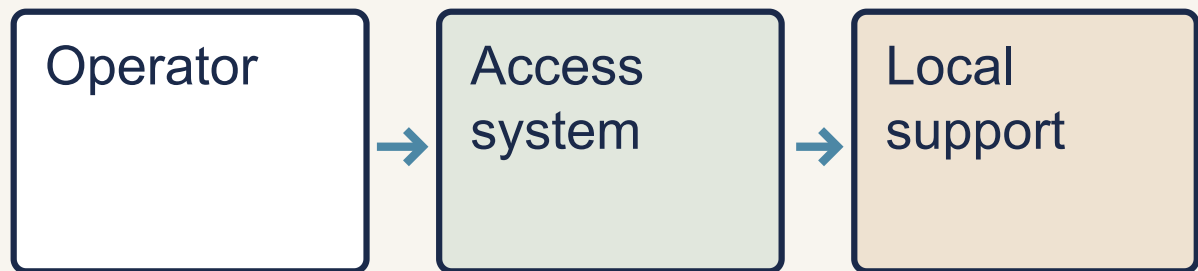


Gate movement, household use, budget and support should guide the model comparison.

For a leaf up to 1.8 m, the FAAC 412 may belong on the shortlist when its use rating and installation geometry fit. Between 2 m and 2.5 m, the PHOBOS BT A25 manual adds an electric-lock requirement; that lock belongs in the scope and price. If connected controls or battery operation matter, compare the specified controller and accessories for the BFT, CAME or DEA proposal. For a longer leaf, a longer-stroke LOOK configuration may be relevant, subject to the actual weight and mounting assessment.

Send [DirectHome](#) the gate type, dimensions, fault history and any quotations to discuss the options. Confirm which installer will do the work and maintain the system before accepting a proposal.

If You Are Also Considering Nice or Ranger



Compare exact models within each brand

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

If a FAAC operator is quoted, obtain its exact model and electrical specification. Do not assume every swing arm has the same voltage, mechanism or warranty. The written proposal should identify both the equipment and local warranty issuer.

For a Nice proposal, identify the compatible connected-control equipment and demonstrate the features you need. App control, status feedback and temporary user access are separate functions; support for one does not establish all the others.

For a Ranger proposal, apply the same checks: model, gate ratings, installed safety design, manual instructions and parts support. A quoted opening speed or remote range applies only under its stated conditions and should not become a prediction for every driveway.

Compare those proposals on the same site and scope. The best choice is the one that meets the gate's requirements with clear installation and support responsibilities, at an acceptable total ownership cost.

Frequently asked questions

Which auto gate motor brand lasts longest in Singapore?

Service life cannot be ranked reliably by brand alone. Gate condition, operator selection, installation, exposure and maintenance all matter. Compare model documentation and local parts support rather than assuming a fixed replacement age.

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

A FAAC price needs the exact operator, controller and installation scope. For context, Singapore motor-installation examples include S\$1,200–S\$1,600 for a basic swing-arm retrofit and S\$1,800–S\$2,500 for a premium Italian swing-arm retrofit. These are motor-type references, not FAAC model quotes. Confirm safety devices, locks, electrical work and GST before comparing totals.

Is FAAC, Nice or Ranger better for my gate?

Compare the actual models against your gate, expected use and required features. Check connected-control compatibility, the warranty issuer and local parts arrangements. A brand name alone does not establish a universal winner.

What warranty should I expect on an auto gate motor?

Compare the actual local term and remedy. For example, 24 months on the motor with only 12 months of labour cover can leave you paying for a repair visit in year two. A parts-and-labour offer may cover more, subject to its exclusions. Those are illustrative terms, not a standard warranty for every brand.

Are hydraulic or electromechanical gate motors quieter?

A drive-mechanism label alone does not establish noise. Compare the proposed models on similar installations and listen through a complete cycle, including movement, stops and latch.

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