

CRYSTAL ELEVATORS



You dream it. We build it.





RAM can help you tailor your **Crystal Elevator** to be a focal point in your home with stunning architectural features or it can be tucked away for seamless and simple use.

What do I need to think about when considering my **Elevator**?



RELIABLE

RAM products are designed to provide *best in class* reliability. RAM's elevators and lifts are designed to last the lifetime of your home.

NEW BUILD OR RETROFIT

More and more homes are being equipped with elevators so that people have options. In new builds, options are limitless but in retrofits space constraints and foundations are critical.

SPACE REQUIREMENTS

To limit the amount of space your elevator requires RAM's Crystal Elevator design does NOT require a machine room. RAM has incorporated the best features and technologies of commercial elevators and sized them to fit your home.

SIZE

RAM custom builds every elevator to suit your application. RAM recommends a minimum hoist way size of 60" x 60". See the technical section for our full range of sizes.



TRAVEL
HEIGHT

Crystal Elevators can be designed for travel heights up to 50 feet with multiple entry/exit points.

MAINTENANCE

Total cost of ownership is critical. By design, RAM has one of the lowest maintenance offerings that still ensures safe operation during the entire lifecycle.....low maintenance with a focus on safety is the key to peace of mind. Ask us how we do it and we'll be happy to spend the time with you so you can make an informed decision.

QUIET

With our innovative and proven drive systems, RAM can deliver one of the smoothest and quietest rides on the market. No matter the use quiet is always a sure sign of quality!

FINISHES

RAM has numerous standard finishes but if you can dream it we can build it! A sample of some of our more popular finishes can be provided but please also visit our webpage for new and exciting finishes as we continue to update them regularly.

POWER

LOW ENERGY – RAM Elevators use at least 50% less energy than other comparable products. **Battery backup** - optional. With up to 40 full up-down cycles our Tower of Power will come through when your local power grid fails... don't be stranded when it really counts.

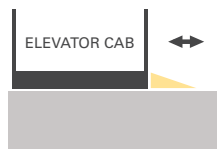
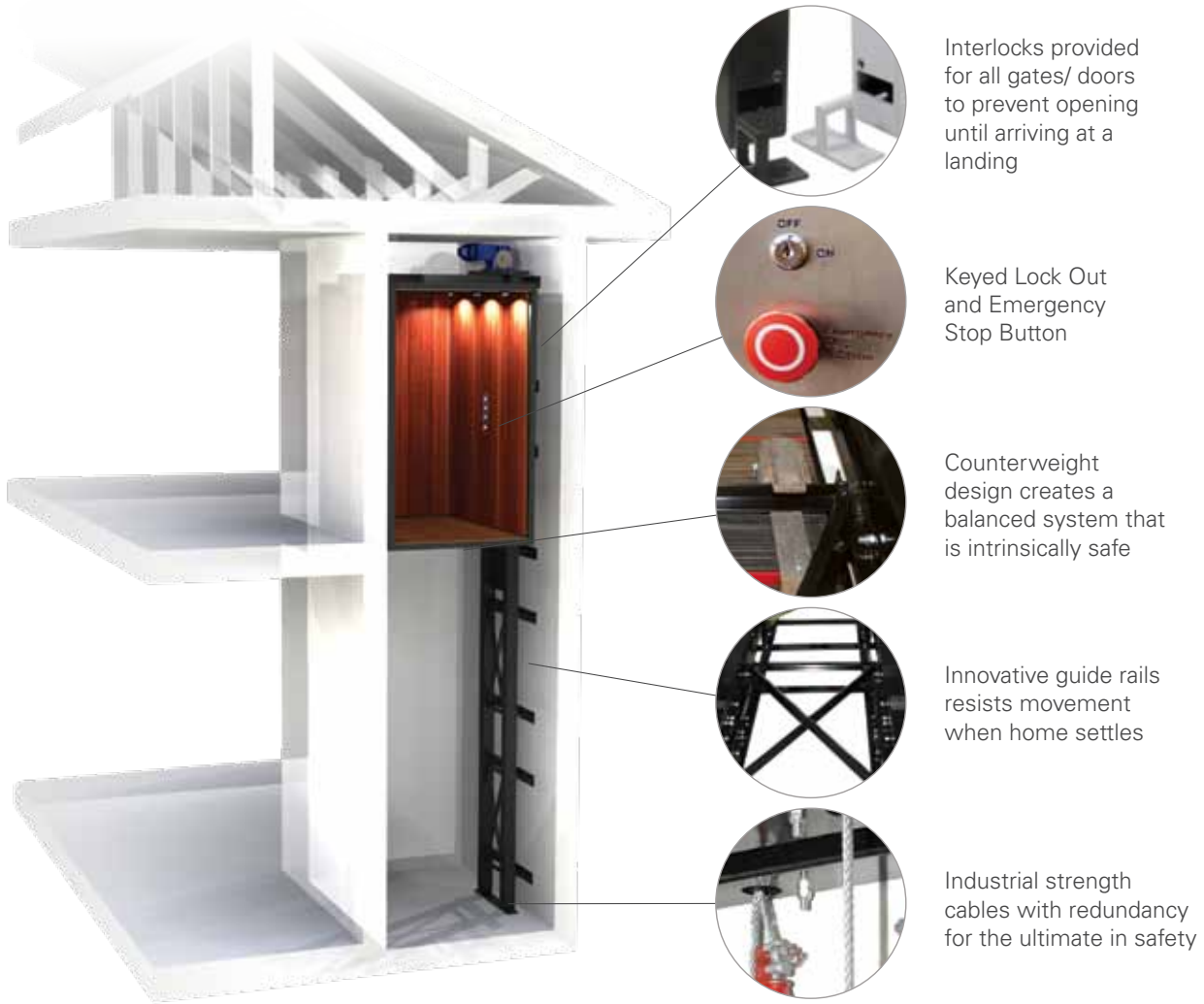


If you can dream it, we can build it –
every **Crystal Elevator** is custom built
for your home



1-800-563-4382

Standard Safety features



Slab with RAM's No Pit
(small ramp required for 3in rise)



Slab with RAM's 3in Pit



Typical Competitor 6-12 in Pit
(requires extensive ground prep)

Low Profile Floor creates **"Pit less"** design to minimize total installed costs in new or existing buildings – only a 3in depression or ramp required where other product require 6 – 12in pit.



Since 1987 RAM has been designing innovative elevators for homes and public buildings. RAM works in partnership with a strong dealer network that installs and maintains our products across North America.

Contact RAM today for a consultation or a custom quote.

CRYSTAL Elevator Specs

LIFTING CAPACITY: UP TO 1400 LB

TRAVEL SPEED: UP TO 50 FT/MIN

TRAVEL DISTANCE: UP TO 50 FT

Carriage:

- Carriages are built to suit variable shaft sizes adapting to building space requirements
- Structural steel members with durable powdercoated finish
- Carriage light curtain which uses sensors to detect motion outside of carriage envelope and stops the carriage automatically if breached
- Wall-mount phone
- Flooring – non skid rubber flooring or flooring supplied/installed by customer

Controls:

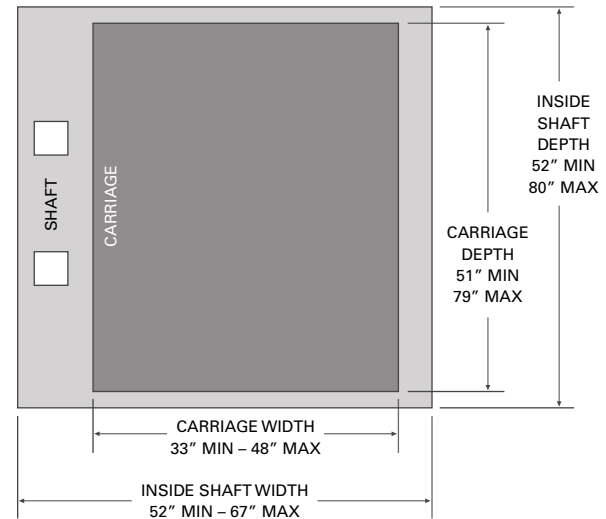
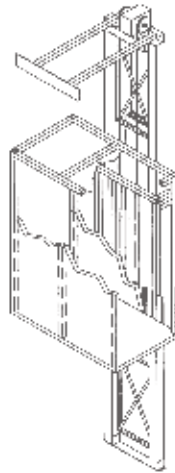
- 24V carriage and landing controls
- Automatic or constant-pressure operation
- Keyed operation for increased security
- Flexible PLC logic controls

Drive System:

- Counter-balanced Traction Sheave Drive
- Standard emergency manual cranking in both up and down directions in the event of power failure
- All machine and electrical components are contained within the shaft-way, eliminating the need for a separate machine room

Power:

- 20A/220V/1PH & 15A/110V/1PH c/w fused lockable disconnects
- 1.5 H.P. 3 phase motor with variable frequency speed control



Shaftway Construction:

- 2" x 6" wood frame structure as per supplied installation drawings, with painted drywall finish on inside as desired
- Designed to fit within standard 96" ceiling height at top floor

Doors:

- Mechanical or electrical elevator-certified interlocks installed on customer-supplied doors at each landing
- Customer supplied residential doors
- Bi-folding doors with ½ the swing of a conventional swing door for easy access
- Commercial grade Fire-rated swing doors for higher fire rating requirements
- Residential automatic sliding doors similar to typical passenger elevators

Code Compliance:

- Residential – CAN/CSA B613-M87
– ASME A17.1/CSA B44 Part

Warranty:

- The RAM CRYSTAL Elevator is covered by a 1 year warranty
- Extended Warranties Available, Contact RAM for details

Options:

- Carriage Folding Gates in Various Finishes & optional automatic opener
- Auto-lowering available in event of power failure
- RAM Tower of Power™ full battery backup - allows for regular use of the elevator, in both an up and down direction for up to 30 cycles, in the event of a power failure
- Various carriage finishes and lighting (see CRYSTAL Finishes document)
- Automatic door operators

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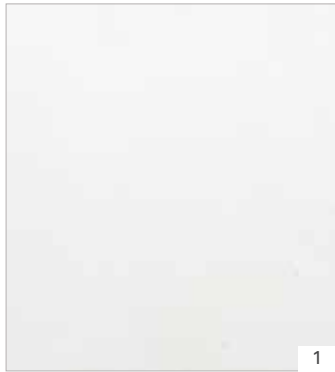


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Standard Finishes



1



2



3



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5



6



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- | | |
|-------------------|---|
| 1. White Melamine | 6. Contract Mahogany |
| 2. Contour White | 7. Portland Cherry |
| 3. Hardrock Maple | 8. Libretti |
| 4. Natural Oak | 9. Laminates or your own mill work finish |
| 5. Burma Cherry | |



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Carriage Finishes **CRYSTAL**

Ceiling Finish



Flooring Finish



Safety Car Gates



Door Options



1. Ceiling finish
2. Customer supplied ceiling
3. Flooring finish
4. Customer supplied flooring
5. Gate (Additional gate finishes available, contact RAM for details)

6. Infrared Light Curtain – the invisible safety curtain
7. Customer Supplied Residential Swing Doors
8. Residential Elevator Doors

Push Buttons



9



10

- 9. Brass
- 10. Stainless Steel
- 11. Brass
- 12. Copper
- 13. Stainless Steel

Control Plate & Handrail Finishes



11



12



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