



CASE STUDY

Small Living Company

Providing year-round heating and cooling
for a new tiny home community

The Small Living Company's tiny houses

The Challenge

The Small Living Company is developing a 62-acre "ecovillage." Housing in phase one of the development will include 24 trailer-mounted tiny homes. There are three different-sized models. Each is 8.5'-wide with 16', 24' and 32'-long units available. Each cabin is intended to be an investment property that the owners rent out for short-term stays.

The Small Living Company needed HVAC systems that could provide year-round heating and cooling for each unit. Given the tight quarters, the chosen system would need to have a small footprint, be extremely quiet and run on 110 volts.

The intention is for the units to stay on site, but owners would have the option to move them. So, the HVAC equipment needed to be roadworthy.



We really wanted to find a heating and cooling solution that kept people super comfortable but was also very quiet,”

-AARON MARKEL, FOUNDER OF THE SMALL LIVING COMPANY

The Solution

Small Living Company founder Aaron Markel had previously run an HVAC company and was familiar with Mitsubishi Electric Canada's products. He knew that air-source heat pumps would likely be the best option but, due to small space, the units had to run on 110 volts. After doing some research, he realized that Mitsubishi Electric offered the only solution that met all of his criteria. For the outdoor units (24 in total) he selected the MUZ-JP12WA-U1. These were paired with the MSZ-JP12WA-U1 indoor units.

The Results

The heat pumps met all the criteria Markel was looking for. They were small, quiet, energy efficient and provided four-season temperature control. Plus, with the outdoor unit mounted at the back of the cabin, they could be safely transported if the owner wanted to take it on a road trip.

"I make a point to sleep overnight in each one of the units before we hand them over and they all work great. The owners and renters have been happy with the comfort level," says Markel.



SUMMARY

Client: The Small Living Company

Location: Hammond, Ontario

Engineering consultant: Dustin Design & Drafting

Contracting firm: Aim Project Management

Challenge: The client needed an HVAC system for a set of tiny houses intended for year-round living. The equipment needed to be small and extremely quiet.

Key criteria:

- 110-volt system
- Provide heating and cooling
- Energy efficient
- Small footprint
- Quiet

Solution: The client selected 24 sets of MSZ-JP12WA-U1 indoor units paired with MUZ-JP12WA-U1 outdoor units.

Results: Complete customer satisfaction.

Mitsubishi Electric Canada

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Vision

To be the most trusted industry leader in providing innovative heating, cooling and ventilation technology, engineered specifically for Canadian climates.

Mission

To deliver quality, comfort and value to all Canadians through leading-edge engineering, locally inspired design and a dedication to superior service.

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