



Project Background

The school in Northern New Brunswick was designed for students from Balmoral, Dundee, Eel River Crossing and Saint-Maure. The 66,000 sq. ft. building can accommodate 315 students in its 16 classrooms. It also boasts a music room, an arts and science room, a technology room, a cafeteria and kitchen, a resource centre, an administration centre, and a gymnasium.

As residents of the town contributed \$288,000 towards this \$14 million project, it was imperative that the school was versatile enough to also function as a community centre. David Foulem Architects designed the project to incorporate numerous state-of-the-art technologies, ensuring that it was the most environmentally friendly structure possible.

Quick Facts

- **Location** — Balmoral, NB
- **Nordic Model** — W400
- **Unit Capacity** — 35 tons
- **Units Installed** — 4
- **Total System Capacity** — 140 tons
- **Unit Type** — water-to-water
- **Unit Functionality** — Heating only units, pasive cooling
- **Project Size** — 66,000 sq. ft.
- **Project Value** — \$14 Million
- **Designed By** — David Foulem Architects
- **Certifications** — LEED Silver Certified



Geothermal Advantage

It was important that La Mosaïque du Nord School was not only a dynamic and stimulating educational environment, but that it was an environmentally responsible gathering place for the entire community. It was therefore important to include many modern and sustainable features.

The modern design includes Nordic® heat pumps, low-flow water features and motion-activated lighting. This school draws on four W400 commercial water-to-water heat pumps, equating to a total of 140 nominal tons of capacity, to provide active heating and passive cooling as required by the season.

The Result

La Mosaïque du Nord has been recognized for its sustainability initiatives. Natural Resources Canada has recognized the school for its energy-efficiency, and it has been promoted as a green school. It has also met the requirements for and been awarded LEED Silver certification.

For more on how Maritime Geothermal Ltd.'s Nordic® heat pumps can impact your property, call to **Speak with one of our experts** or **find your local dealer** today.

