

Cold Climate Air Source Heat Pump (CC-ASHP) Pricing

The product cost estimates provided by three local industry wholesalers are for Cold Climate (also called low-temperature or hyper heat) products that are rated to -25 Celsius and have a higher cost than the standard units used in other jurisdictions.

CC-ASHP System	Estimated Installation Cost	Estimated Home Size
Whole Home (Furnace)	\$15,000 - \$18,000	2,500 ft ² split level
Mini-Split (Ductless, 4 Units)	\$14,000 - \$16,000	1,000 ft ² older style bungalow

Estimated installation cost (taxes not included) is the average cost provided to Efficiency Manitoba by three local independent manufacturers including estimated labour. If a manufacturer did not provide mark-up on their quoted price, a +25% assumption for mark-up was added to the product cost. Additional costs may occur situationally such as electrical panel upgrade, ductwork modification, or snow guarding equipment to name a few. These costs and applicable taxes have not been included in the table above.

Within the cost-effectiveness analysis of CC-ASHP, Efficiency Manitoba used \$15,000 for the total capital cost estimate of a whole home (ducted) system. Based on additional discussion with industry, whole home (ducted) CC-ASHP systems have an estimated cost of \$15,000 - \$18,000 (plus applicable taxes) for the supply and installation of a central system with auxiliary (back-up) heat. The size of the system required is based on the homes heating load. For a CC-ASHP that is installed at the end of life of an existing furnace, the incremental cost is reduced to approximately \$12,000-\$15,000 to consider the cost that would have been incurred for a new electric furnace.

Mini-split systems are used in homes without ducting, usually having base board heating. These tend to be smaller and older homes (approximately 1,000 square feet) with baseboard heat and are not typically open plan; therefore, to effectively heat the home with a mini-split system four terminal units may be required; one for each room requiring heat. The electrical base board heat would remain in the home for when the CC-ASHP does not operate. Mini-Split Systems CC-ASHP (not-ducted) with 4 terminal units has an approximate installation cost of \$3,500-\$4,000 per head resulting in a \$14,000 to \$16,000 range based on contractor pricing estimates including labour, plus applicable taxes.