



Comparison of Winter Running Costs

Heat Pump vs Electric Fan Heaters

Running for an hour each morning and a few hours each evening (6 hours per day)



Running during the day (8 hours per day)



Running during the day (12 hours per day)



Running all day and night (24 hours per day)



Running cost (\$) over 90 day winter period ● MSZ-AP50 ● Electric Fan

ECOCORE®

AP Classic | AP Plus



MSZ-AP50VG(K)D2

Heating Capacity: 6.0kW | Input: 1620W



2 1/2 Electric Fan Heaters

Heating Capacity: 6.0kW total | Input: 2400W per heater

This energy usage guide provides an estimated cost only, based on the assumption that the heat pump has been sized correctly. The compressor adjusts its operation to maintain a constant temperature, regulating up and down as needed.

The EcoCore AP50 High Wall system has a rated/nominal heating capacity of 6.0kW, providing more than double the rated output of a 2.4kW electric heater.

These estimates compare the costs of using 2.4kW electric heaters to achieve the same 6.0kW heating capacity

as the AP50. To match the AP50's output, you would need 2.5 x 2.4kW electric heaters running simultaneously.

The MSZ-AP50 estimates are based on the system operating at approximately 60% capacity on average, due to compressor regulation. Electrical fan heaters are assumed to run at 100% capacity with no thermostat control. All electricity costs are estimated at 34.7c/kWh*. Actual running costs may vary depending on actual electrical unit cost and system usage.

*Based on MBIE QSOEP – 15 May 2024.