

Admiral Halsey Senior Home



Admiral Halsey Senior Home Poughkeepsie, New York

Application: Elevator
Motor Size: 15HP
Average Savings: 34.81%
Annual Savings: \$453.32
Power Rate: \$0.09/kWh
Annual CO2 Reduction: 4 tons
Internal Rate of Return: 41%*

* IRR does not include unit installation costs

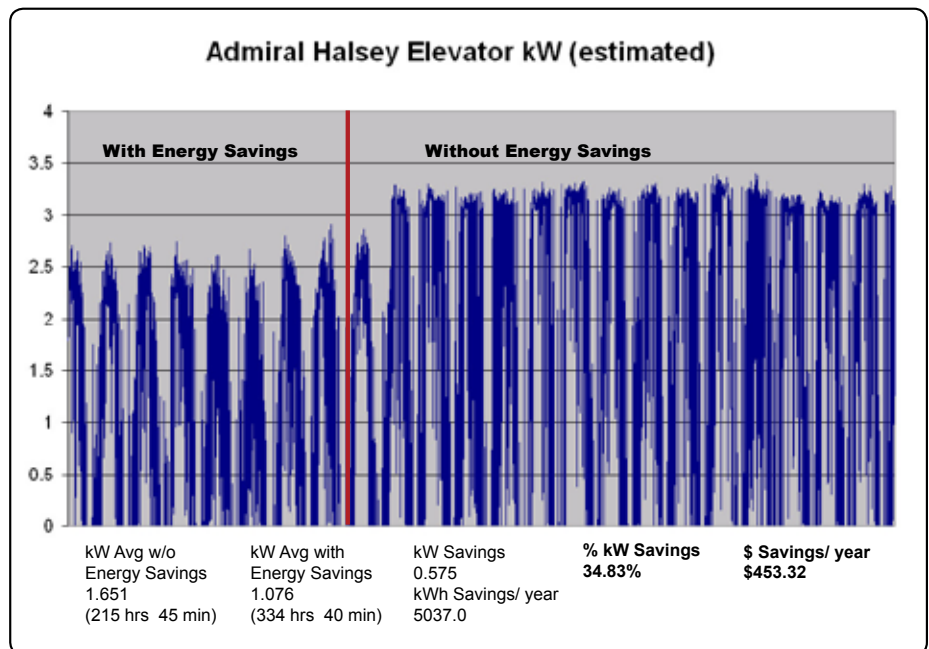
TEST SUMMARY

A 208V 15HP Power Efficiency motor efficiency controller was installed on an elevator at the Admiral Halsey Senior Home in Poughkeepsie, NY. On March 31, a power meter was installed to track the line voltage, current, kW, PF, KVA and KVAR. The test ran through April 13.

Test results showed that the motor efficiency controller lowered the average current used on the elevator from 13.996 average amps to 7.294 average amps for a 47.89% current savings. The average estimated kW on the elevator went from 1.651 kW to 1.076 kW for a 34.81% power reduction, yielding a savings of \$453.32 per year.

Once the device was installed, the motors were started to check rotation and to set the soft start and energy savings on. An inadvertent mistake in wiring resulted in lower than expected power savings. The Otis Elevator technician performed the necessary corrective measures, including the replacement of a part. The power savings were adjusted and the elevator ran smoothly through the testing period.

The following graph represents the kilowatt usage of the elevator over a period of 23 days. 9 days without the energy savings activated and 14 days with the energy savings activated.



Expected Product Life Savings

Product Life: 15 years
kWh Savings: 75,555 kWh
Cost Savings: \$9,782*
CO2 Reduction: 59 tons

* Expected life cost savings is based on a 5% annual increase in cost of power