



TRION HIGH SCHOOL WEIGHT ROOM TRION, GEORGIA

PROJECT OVERVIEW

The Trion High School Weight Room is a 50' x 90' metal building located next to Trion City Schools' new gymnasium. The building, which was designed and developed by the school superintendent, features two-inch thick rubber tile with areas for weights, showers, a changing room and an electrical room. Installed equipment includes a 10 ton YANMAR outdoor VRF unit, 3 indoor fan coil units, YANMAR remote monitoring and an Intelligent Touch Controller.



REASON FOR CHOOSING YANMAR

YANMAR's VRF system offered several key benefits to Trion City Schools.

The return on investment period was calculated to be less than 5 years based on electrical cost savings by switching to natural gas, projected installation costs and maintenance costs.

Additionally, the customer can rely on YANMAR trained service personnel who will ensure that all maintenance and service of the system is completed properly and on schedule.

By using YANMAR's 24/7/365 remote monitoring system, YANMAR technical representatives will be notified of any problems that occur, so that they can be resolved quickly for increased unit uptime.

Plus, the system is backed by a 5 year/20,000 hour parts; 1 year/4,000 hour labor and 7 year/28,000 hour compressor warranty from the date it was commissioned.

ABOUT YANMAR VRF

The YANMAR Variable Refrigerant Flow (VRF) natural gas heat pump system provides a flexible way to efficiently heat and cool many different types of buildings, as well as reduce operating costs and emission levels.

QUICK FACTS

Application: Fitness Center

Location: Trion, Georgia

Commissioning Date: February 2017

Product Installed: NNCP120J

Results:

- Reduced electrical consumption
- Projected payback period of less than five years
- Dedicated service personnel
- Remote monitoring capabilities



TRION HIGH SCHOOL WEIGHT ROOM 10 TON VRF

“We decided to go with a natural gas heating and air system in our 50’ x 90’ weight room. YANMAR was with us from the beginning to end, and provided guidance throughout the process. We are 100% satisfied with YANMAR’s product, customer service and commitment to our school system, and we look forward to working with them in the future.” - Dr. Phillip Williams, Superintendent, Trion City Schools

RESULTS

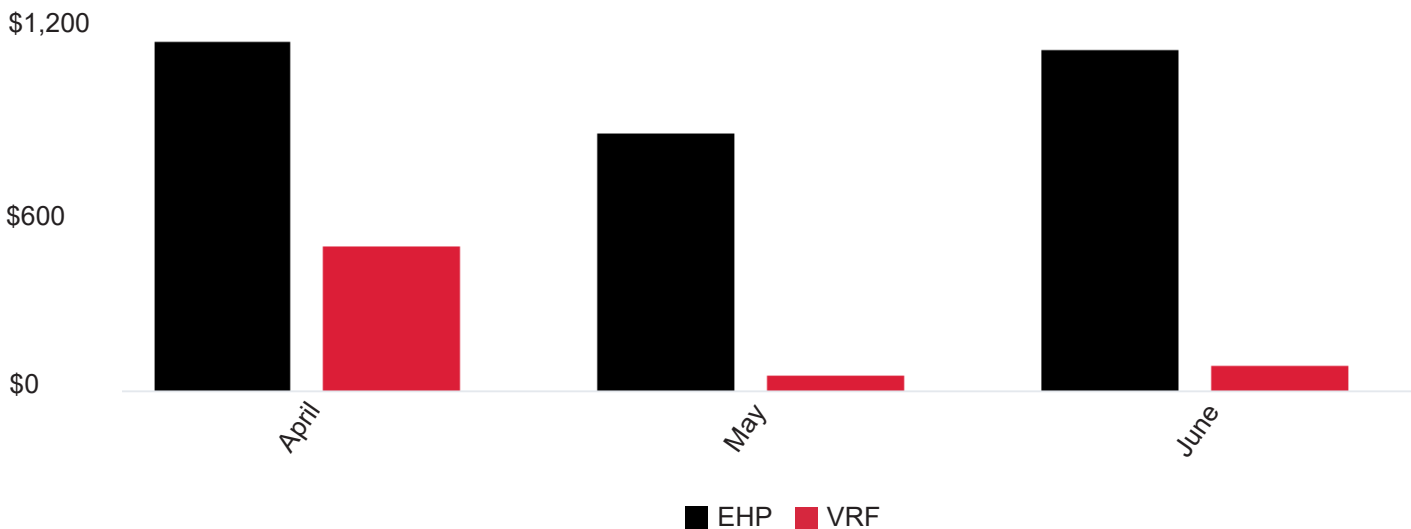
- Reduced electrical consumption for cooling the building by switching to a natural-gas driven YANMAR engine.
- Projected payback period of less than 5 years with more than \$3,500 in savings during the first three months of operation.
- By using natural gas as an energy source, the building produces lower amounts of harmful emissions than traditional heating and cooling equipment.

CONCLUSION

- In the first three months of operation, the YANMAR 10-ton VRF unit provided an operating costs savings of \$2,424.76. In fact, the City of Trion has been so impressed with YANMAR’s system that they have already awarded and begun installing a multi-unit VRF system project for their recreation center, which will be commissioned in August 2017.



YANMAR VRF Operating Costs - April through June 2017



Operating costs data is a calculated estimate only based on Remote Monitoring data and local average utility costs or bills.