

Case Study - 60 Ton Package Unit

Saks Fifth Avenue - San Antonio, TX



11%

Annual Energy Savings



29,600

Annual kWh Savings



\$3,000

Annual \$ Savings

See reverse side for notes on savings calculations



When CMI Texas first heard of the advantages of converting from R-22 to Bluon's TdX 20, they were skeptical. Virtually identical capacity, no oil change, and more energy efficiency in an R-22 replacement refrigerant seemed way too good to be true.

However, once they converted and data logged a 60 ton conversion, CMI became a true believer and saw Bluon's claims be verified. Energy Savings with no loss of capacity!



"Bluon is at the forefront of tackling energy efficiency in our existing heating and air conditioning infrastructure."

- **Leonardo DiCaprio**, Bluon Investor & Board Advisor

EQUIPMENT

HVAC Unit

Carrier 60 Ton Package Rooftop

Model

50AJE060600SC

TEST DATES

R-22

10/12/17

Bluon TdX 20 (R-458A)

10/13/17

TEST METHODOLOGY

Data collected over two similar periods on the same system, before and after conversion. Averages calculated with system running.

NOTES

Increase in cooling capacity results in decreased run time. Avg. power consumption calculated with minute by minute data, via data loggers - does not include the energy consumed by external fans/blowers. Savings don't account for the expense related to the rising cost of R-22.

Bluon TdX 20 (R-458A)

R-22

Avg. Outside Air (F°)	79	72
Avg. Power Consumption (kW)	26.1	26.6
Avg. Compressor (amps)	32.8	33.3
Avg. Suction Line (psig)	60.0	67.0
Avg. Discharge Line (psig)	220.0	203.6
Avg. RA-SA Delta T (F°)	15.0	15.1
Avg. Cooling (kW)	143.5	131.8



Bluon TdX 20 is only R-22 replacement solution that upgrades your equipment, saving you money every month.

www.bluonenergy.com | 855.425.8686 | info@bluonenergy.com