

Case Study: Hanbell / Trane Compressor Replacement on RTAA

Site Location:

- N. Fort Myers High School
North Fort Myers, Florida
Lee Co. School District

Concerns:

- Cost of Trane rebuilt compressor
- How would Hanbell fit in RTAA frame
- How would oil return be guaranteed to the Hanbell compressor
- How would the Trane controller respond to the Hanbell compressor

Equipment:

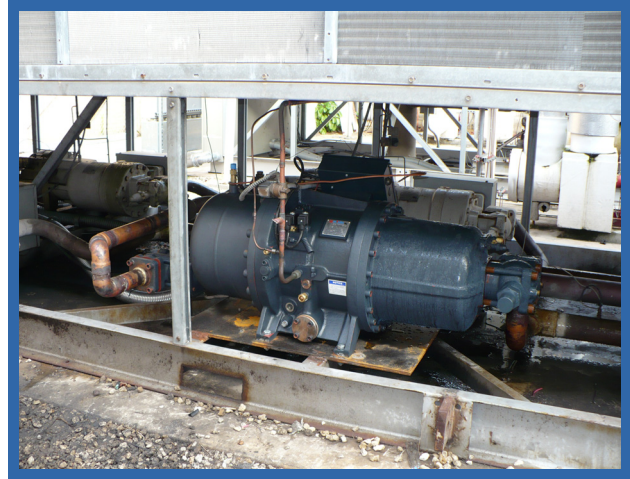
- One Trane RTAA 400 ton Chiller
- Two (2) Refrigerant Circuits
- Two (2) Compressors per Circuit
- Two (2) EXV's per Circuit
- Air Cooled Condenser
- Two (2) U-Tube Oil Separators per Circuit
- One (1) Oil Pressure Differential Switch per Compressor

Steps Taken:

- Removal of Trane CHB100 Compressor
- Install 3/8" steel plate to RTAA frame
- Install MCS Hanbell RC15LF Compressor (changed load solenoid to normally closed)
- Utilize existing Trane controls

Results:

Compressor #2 on circuit #1 had failed. The Trane compressor was removed and a 3/8" steel plate was installed and bolted through the original Trane compressor mounting holes. The Hanbell compressor was positioned on the plate to allow for the best piping connections. Mounting holes were then made in the plate for the Hanbell compressor. Once the Hanbell was bolted into place, the piping work was completed. This work added less than 8 hours to the total job completion. The wiring was then completed and the Trane controller activated. The wiring connection to the Hanbell was verified and accepted by the Trane controller and the compressor was brought into service.



Hanbell RC15LF Compressor replacing Trane screw compressor on a Trane RTAA Chiller



**\$7000.00 DOLLARS SAVED BY
THE SCHOOL DISTRICT !**

NEW COMPRESSOR WITH TWO YEAR WARRANTY !