

CPP&S CRAC unit refurbishing process

Refurbishing includes:

INSPECTION

- Main fan HP & voltage
- #1 Compressor
- #2 Compressor
- Replace belt(s)
- Replace all contactors
- Install shipping blocks (compressors)
- Replace filters
- Pressure test system
- Pull vacuum on system
- System charged, capped and ready for shipment.

START-UP

- Turn ON main disconnect.
- Check all control voltage transformers for proper output. Change tap if necessary.
- Check fan rotation for proper direction. Change wiring at contactor if necessary.
- Check Main Fan amps and record.
- Increase temperature set point to energize reheats. Check and record amperage.
- Adjust all set points if needed for proper operation after testing.
- Increase humidity set point to energize humidifier. Check and record amperage.
- Chilled water and econo coil (glycool) only. Decrease temperature set point to energize valve motor. Check for full valve travel in cooling mode. Adjust controls out of cooling mode. Check for valve closure.
- Decrease humidity set point to call for dehumidification.- Check for valve travel in dehumidification mode.
- Decrease temperature set point to energize compressor(s). Check and record compressor amps.
- Check compressor operation pressure and record to include suction pressure, discharge pressure
- Clear sight glass?
- Check Compressor oil sight glass per operation manual, adjust accordingly
- Check pressure switch settings, high pressure cutout, low pressure cutout/cut-in