ITEM #: CONDENSING UNIT  
Quantity: One (1)  
Manufacturer: RDT  
Model No.: IRW1-O1Z-CT3-AST  
Pertinent Data: Water Cooled, Indoor, See Drawing #FS  
Utilities Req’d: 208V/3PH; 4.3A; 1/2" Chilled Water Supply, 1/2" Chilled Water Return  
  
See plans for location and placement of item with reference to adjoining equipment.  
Furnish and set in place per manufacturer’s standard specifications and the following:  
1. Set in place in location as shown on drawings.  
2. Condensing Unit dimensions are 43" long x 33" wide x 35" high, and weighs 200 pounds.  
3. Verify location with the Architect.  
4. All copper tubing to be refrigerant grade Type "L". Hard copper joints to be sweat type fittings; mechanical bends are not acceptable.  
5. All suction lines with vertical rise of 15 feet or more are to be trapped for proper oil return.  
6. For steel to copper connections, use silver solder; for copper to copper connections, use sil-fos. Do not use soft solders on refrigerant lines.  
7. All piping to be pressure tested with nitrogen at 300 psi.  
8. All completed refrigeration systems must be evacuated to 500 microns or less with vacuum pump.  
9. UL-listed package with main fused disconnect, pre-piped and pre-wired for single point connection.  
10. Insulate suction lines back to all compressors.  
11. Provide plastic isolation bushings for copper to metal contact to prevent leakage.  
12. Compressor to be Scroll with suction and discharge valves.  
13. Provide compressor with shut-off valves, electronic oil failure control, breakers, and wiring for each.  
14. Replaceable liquid line drier with valves, pressure controls fitted with "super hoses", sight glass, and oil separator.  
15. Condensing unit shall be mounted on a vibration isolator a minimum of 1" x 1" hard rubber.  
16. Condensing unit shall be resting on a pull-out tray for ease of maintenance.  
17. Provide five-year compressor warranty and one-year parts and labor.  
18. K.E.C. shall contract with certified, licensed Refrigeration Mechanic possessing a certification 40 CFR Part 82 sub-part F, as mandated by the E.P.A.  
19. KEC shall be fully responsible for providing and coordinating installation of freon leak detection system for Item #, Condensing Unit, that shall monitor all refrigeration components included in the project.   
20. Unit shall be supplied with a cross-over valve in the event the Chilled water loop is interrupted than the unit shall be chilled by city water.  
21. Provide shop drawings for approval prior to fabrication.  
22. Must meet all applicable federal, state, and local laws, rules, regulations, and codes.