

COUNTY OF TUSCOLA

DEPARTMENT OF BUILDINGS & GROUNDS

125 W. Lincoln St
Caro, Michigan 48723
(989)672-3756

MICHAEL MILLER
Director

THOMAS McLANE
Assistant Director

TO: INTERESTED CONTRACTORS

FROM: MIKE MILLER DIRECTOR OF BUILDINGS & GROUNDS

DATE: June 13, 2023

RE: LIEBERT HVAC REPLACEMENT

Tuscola County will be accepting bids on the replacement of Liebert HVAC equipment: At the Tuscola County Central Dispatch Located at:

1301 Cleaver RD
Caro, MI 48723

The following specifications shall be considered in your bid:

_Quantity (1) Liebert PDX Air-Cooled System

- **Model Number: PX029UA1CD09FC**
- Each unit will provide a total cooling capacity of **101.0 MBH**, and a sensible cooling capacity of **89.2 MBH** at approximately 75°F DB, 61°F WB, and 45% RH.
- 208 Voltage, 3 Phase, 60 Hz, **73.9 FLA, 90.1 WSA, 100 OPD**

System Details:

- **Upflow with Rear Air Return**
- Liebert iCOM Control with High Definition Display
- iCOM based communication
 - BACnet IP (Ethernet Port)
 - Modbus RTU (RS-485 Port)
 - IP Protocols over one network
- Variable speed EC plug fans
- **Digital scroll**, variable capacity compressor utilizing R-410A
- Crankcase Heater
- Thermal Expansion Valve
- Evaporator Type: tilted- slab, copper tubes - aluminum fins with hydrophilic coating
- Two-Stage **12kW** Electric Reheat.
- Infrared Humidifier **7.7 lbs/hr**
- 65,000 Amp, rms Short Circuit Current Rating
- Locking Disconnect Switch
- **Dual-float condensate pump** factory-mounted internal to unit
- Filter Rating: MERV 8 per ASHRAE 52.2-2007

- Unit Color: RAL 7021 Black Gray Matte
- Supply Air Sensor
- Temperature/Humidity Sensors internal for return air sensing
- One Remote Shut Down Contact
- Three Alarm Contacts
- 24” Floorstand
- **Full Duct Collar Plenum**
- Plenum Color: RAL 7021 Black Gray Matte

One (1) Liebert MC Air-Cooled Microchannel Condenser

Liebert MC Condenser Details:

- **Model MCM040E1YD0WFB**
- 208/230 Volt, 3 Phase, 60 Hz, **2.3 FLA, 2.9 WSA, 15 OPD**
- Microchannel aluminum coil
- Variable Speed EC Fans
- Premium electronic control board providing communication with iCOM using CANbus
- Aluminum exterior panels and 18” aluminum legs
- Single refrigerant circuit condenser
- R-410A set points
- Domestic packaging
- Short Circuit Current Rating of 65,000 Amps, rms

Shipped Loose Accessories:

Surge Protective Device for Liebert MC Condense

Bonding and Insurance Requirements

Bonding not required

Proof of insurance, including workmen’s compensation is required prior to starting work

Scope of Work

- Contractor will remove the existing units and provide and install new units, including but not limited to, any required wiring, roof work or repair, curbs, duct, piping, and controls for a complete and operational system.
- Contractor is responsible to provide and install any special mounting hardware for equipment as well as all installation materials (conduit, tubing, railways, junction boxes, fittings, piping, duct, etc.) for a complete project.
- All field devices and equipment will be mounted as per manufacturer recommendation.
- Contractor is responsible for equipment startup
- Contractor is responsible for on-site installation supervision throughout the duration of the project.
- Contractor is responsible for patching all building penetrations performed by the contractor during installation.
- Each unit removal and replacement will occur within the same day. If not possible then temp cooling shall be provided for the equipment room and dispatching area.
- Contractor shall provide O & M manuals for all contractor provided equipment.
- This contractor is responsible for all generated trash.
- Contractor shall clean all work areas on a daily basis and equipment after project completion.
- Contractor is responsible for all required permits.
- Installation done as required by Federal, State, local codes and laws and following manufactures recommendations.
- Any and all correspondence concerning this project shall be directed to Mike Miller

Equipment Warranty

- Compressors Shall Have a limited warranty for a full five years.
- All other covered components shall have a limited warranty for one year.

Contractor is to view location and verify all measurements before bidding.

Please call ahead to set up a time to view the project.

All work is to be completed by qualified personal.

All bids must be submitted by 4:00pm on June 30, 2023 to County Controllers Office 125 W. Lincoln St Caro, MI 48723 STE 500.

48723. Only closed sealed bids labeled "Dispatch HVAC PROJECT" on the envelope will be accepted.

Any questions or to set up an appointment please call Mike Miller at 989-672-3756.

Disclaimer

Tuscola County reserves the right at its sole discretion to reject any and all proposals received without penalty and not to enter a contract as a result of this RFP. The County also reserves the right to negotiate separately with any source whatsoever in any manner necessary to attend to the best interests of the County, to waive irregularities in any proposal and to accept a proposal which best meets the needs of the County, irrespective of the bid price."

By submitting a bid, the bidder is acknowledging that there will be no contractual relationship between Tuscola County and the bidder until both parties have formally approved and signed a written contract to be developed by Tuscola County legal counsel.

The County reserves the right to make an award without further discussion of any proposal submitted. Therefore, the proposal should be submitted initially on the most favorable terms which the offer can propose. There will be no best and final offer procedure. The County does reserve the right to contact an offer for clarification of its proposal."