



**HEAT PUMPS  
 BID #2021B-7  
 BID TABULATION**

**ALL PRICES TO INCLUDE DELIVERY**

Climate Master Model #	RF PECK			JOHNSON CONTROLS INC		
	Manufacturer and Model # of Unit Bid	10/31/21 - 9/30/22	10/1/22 - 9/30/23	Manufacturer and Model # of Unit Bid	10/31/21 - 9/30/22	10/1/22 - 9/30/23
		Base Bid Price Each	Base Bid Price Each		Base Bid Price Each	Base Bid Price Each
<b>A. Console Unit</b>	<b>ClimateMaster</b>			JCI/ClimateMaster 208/1/60		
TRC07	N/A	N/A	N/A	N/A	N/A	N/A
TRC09	TRC09	\$2,980.00	\$3,239.00	JRC09	\$2,436.00	N/A
TRC12	TRC12	\$3,098.00	\$3,367.00	JRC12	\$2,525.00	N/A
TRC15	TRC15	\$3,222.00	\$3,502.00	JRC15	\$2,621.00	N/A
<b>**Please quote complete with hanger kit and 24V controls.</b>						
<b>B. Ceiling Mount Unit**</b>	<b>ClimateMaster</b>					
TCH009	TCH009	\$2,372.00	\$2,578.00	JCH009 208/1/60	\$2,036.00	
TCH030	TCH030	\$3,253.00	\$3,536.00	JCH030 208/3/60	\$2,834.00	
TCH036	TCH036	\$3,303.00	\$3,591.00	JCH036 208/3/60	\$2,920.00	
TCH042	TCH042	\$3,520.00	\$3,826.00	JCH042 208/3/60	\$3,095.00	
TCH060	TCH060	\$4,087.00	\$4,442.00	JCH060 208/3/60	\$3,629.00	
<b>CONTROLLER OPTIONS</b>						
<b>1. SOLID STATE CONTROL SYSTEM (CXM)</b>	if not included Please Specify			if not included Please Specify		
<b>a. Options:</b>	<b>INCLUDED YES/NO</b>	<b>10/31/21 - 9/30/22 Base Bid Price Each</b>	<b>10/1/22 - 9/30/23 Base Bid Price Each</b>	<b>INCLUDED YES/NO</b>	<b>10/31/21 - 9/30/22 Base Bid Price Each</b>	<b>10/1/22 - 9/30/23 Base Bid Price Each</b>
Anti-short cycle time delay on compressor operation	YES			YES	INCLUDED	N/A
Random start on power up mode	YES					
Low voltage protection	YES					
High voltage protection	YES					
Unit shutdown on high or low refrigerant pressures	YES					
Unit shutdown on low water temperature	YES					
Condensate overflow electronic protection	YES					
Option to reset unit at thermostat or disconnect	YES					
Automatic intelligent reset. Unit shall automatically reset the unit 5 minutes after trip if the fault has cleared. If a fault occurs 3 times sequentially, without thermostat meeting temperature, then lockout requiring manual reset will occur.	YES			YES	INCLUDED	N/A
Ability to defeat time delays for servicing	YES					
Light emitting diode (LED) on circuit board to indicate high pressure, low pressure, low voltage, high voltage, freeze protection, condensate overflow, and control voltage status	YES					
The low pressure switch shall not be monitored for the first 120 seconds after a compressor start command to prevent nuisance safety trips.	YES					
24V output to cycle a motorized water valve or other device with compressor contactor	YES					
Unit Performance Sentinel (UPS). The UPS warns when the heat pump is running inefficiently	YES					
Water coil freeze protection (selectable for water or anti-freeze)	YES					

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CONTROLLER OPTIONS CONTINUED	RF PECK			JOHNSON CONTROLS INC		
	if not included Please Specify			if not included Please Specify		
	INCLUDED YES/NO	10/31/21 - 9/30/22 Base Bid Price Each	10/1/22 - 9/30/23 Base Bid Price Each	INCLUDED YES/NO	10/31/21 - 9/30/22 Base Bid Price Each	10/1/22 - 9/30/23 Base Bid Price Each
Air Coil freeze protection	YES					
<b>2. BALANCED SOLID STATE CONTROL SYSTEM (DXM)</b>						
a. Control shall have all of the above mentioned features of the CXM control system along with the following expanded options included:	YES					
Removable thermostat connector	YES					
Night setback control	YES					
Random start on return from night setback	YES					
Minimized reversing valve operation (Unit control logic shall only switch the reversing valve when cooling is demanded for the first time. The reversing valve shall be held in this position until the first call for heating, ensuring quiet operation and increased valve life)	YES			YES	INCLUDED	N/A
Override temperature control with 2-hour (adjustable) timer for room occupant to override setback temperature at the thermostat	NO	NOT SPECIFIED	NOT SPECIFIED			
Dry contact night setback output for digital night setback thermostats	YES					
Ability to work with heat pump or heat/coll (Y,W) type thermostats	YES					
Ability to work with heat pump thermostats using O or B reversing valve control	YES					
Emergency shutdown contacts	YES					
Boilerless system heat control at low loop water temperature	YES					
Ability to allow up to 3 units to be controlled by one thermostat	YES					
Ability to operate an external damper	YES					
Ability to automatically change fan speed from multistage thermostat	YES					
Relay to start system pump	YES					
75VA control transformer. Control transformer shall have load side short circuit and overload protection via a built in circuit breaker.	YES					
<b>3. REMOTE SERVICE SENTINEL</b>	YES			YES	INCLUDED	N/A
<b>4. MULTIPLE PROTOCOL CONTROL INTERFACE SYSTEM</b>	NO	\$578.00	\$628.00	YES	INCLUDED	N/A
<b>5. ACCESSORIES</b>				NO	AVAILABLE UPON FURTHER INFORMATION	N/A
a. Console Model Supply & Return Hose Kit, #AHK0501	NO	\$60.00	\$66.00			
b. Supply & Return Hoses for Ceiling Mount Unit	NO	\$156.00	\$169.00			
c. Motorized Water Valve, 3GPM/Ton	NO	\$238.00	\$259.00			
d. Replacement Controller	NO	\$251.00	\$273.00			
e. Climate Master Circuit Boards, #DXM 17B0002N01	NO	\$376.00	\$409.00			
f. Climate Master FP2 Sensor, #17B005N02	NO	\$80.00	\$87.00			


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g. Expansion Valve, #33B0006N08	NO	\$160.00	\$174.00			

For clarification of any component of the technical specifications provided please contact the Jefferson County Buildings Department at 315-785-5137.

COMPRESSOR WARRANTY (Please indicate # of years)	<b>ONE YEAR STANDARD/INCLUDED. ADD 5% TO BASE BID FOR 5 YEAR.</b>		12 MONTHS PARTS ONLY (ADDITIONAL WARRANTY OPTIONS ARE AVAILABLE FOR ADDITIONAL COST)
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ALL DATA IS PRELIMINARY AND DOCUMENTED AT THE TIME OF BID OPENING, SUBJECT TO ERRORS OR OMISSIONS.  
 THIS DATA SHOULD NOT BE INTERPRETED AS CONFIRMATION OF BID RESULTS UNLESS SIGNED BY THE JEFFERSON COUNTY PURCHASING DEPARTMENT.  
 THIS BID TABULATION DOES NOT IMPLY AN AWARD HAS BEEN MADE UNLESS NOTED.


11/1/21  
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 PURCHASING DATE