

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2024-255
Item to be Scouted	Variable Refrigerant Flow (VRF) Ductless HVAC Unit
Days to be scouted	30
Response Due By	09/28/2024
Description	United States manufacturers of BABAA-compliant VRF HVAC Unit. VRF is a ductless HVAC system technology. VRF systems can accommodate multiple indoor units that run on a single controlled system. A VRF system regulates refrigerant flow to the system to match the heating and cooling demands of different zones, allowing for individualized temperature control and energy efficiency. Consists of an outdoor unit, branch controller, and multiple indoor units.
Notify Requester Immediately	No
State item to be used in	Maine

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Electrical / Mechanical / Electronic Assembly
Provide dimensions / size / tolerances / performance specifications for the item	Provide simultaneous heating/cooling (heat recovery) and VRF heat pump systems including outdoor unit, BC (Branch Circuit) Controller (or comparable branch devices), multiple indoor units, and an integral DDC (Direct Digital Controls) system in accordance with applicable reference standards listed below. This system is capable of 96,000 BTU/hr cooling and 108,000 BTU/hr heating.
List required materials needed to make the product, including materials of product components	See Above. Domestic components in the BABAA compliant manufactured product (VRF Ductless HVAC Unit) must exceed 55% of the total component cost and be assembled in the United States.
Are there applicable certification requirements?	Yes
Certification(s) required	UL
Details	Build America, Buy America Act (BABAA) compliant Must submit BABAA manufactured product self-certification manufactured product letter for VRF Ductless HVAC Units that details compliant product.
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
NAICS 1	
NAICS 2	

Additional Technical Comments	<ol style="list-style-type: none"> 1. Air-Conditioning, Heating, and Refrigeration Institute (AHRI): AHRI 210/240 Performance Rating of Unitary Air-conditioning and Air-source Heat Pump Equipment, AHRI 270 Sound Performance Rating of Outdoor Unitary Equipment 2. American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) 3. ASTM International (ASTM): ASTM B1003 Standard Specification for Seamless Copper Tube for Linesets, ASTM C534 Standard Specification for Preformed Flexible Elastomeric Cellular Thermal Insulation in Sheet and Tubular Form, ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials 4. American Society of Mechanical Engineers (ASME): ASME B16.22 Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings 5. International Energy Conservation Code (IECC) 6. International Organization for Standardization (ISO): ISO 9001 Quality Management Systems – Requirements, ISO 14001 Environmental Management Systems – Requirements with guidance for use 7. National Fire Protection Association (NFPA): NFPA 70 National Electrical Code 8. Underwriters Laboratories (UL): UL 1995 Heating and Cooling Equipment
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Section 4: Business Information

Estimated potential business volume	1 each
Estimated target price / unit cost information (if unavailable explain)	TBD in negotiations, Costs are calculated within total project cost.
When is it needed by?	Q2024
Describe packaging requirements	No requirements, Product must be delivered undamaged.
Where will this item be shipped?	Tennessee

Additional Comments

Is there other information you would like to include?	<p>Provide written documentation in response to the Supplier Scouting request of being a current Build America Buy America Act compliant HVAC manufacturer with past experience manufacturing VRF Ductless HVAC Units.</p> <p>Information on BABAA compliance requirements can be found at Made in America Office link https://www.madeinamerica.gov/.</p> <p>Agency - USDA - Submitted by CBS POC - Joe Edmondson joe.edmondson@okalliance.com</p>
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