

Region: 5

Location: VA049

CSS #: 32296

Maximo Work Order No.: 15003

Asset #: NA

Date Issued: 9/16/21

Original Description: need Proposal for system replacement per Moore's -Unit 1 Located in confrence room located by the stairs to the mechanical room

Repairs Needed:

Moore's proposes to remove and replace the above split system with a new Carrier 3 ton heat pump split system with electric heat. This includes connecting to existing duct connections with modifications needed, drain line connections with a new overflow safety switch, refrigerant connections with new fittings and a system flush, electrical connections from the existing outdoor disconnect to the new unit and low voltage connections to the new digital thermostat. Pressure test the system and charge according to the manufacturers specifications. Start, test, and ensure proper

RS Means Line Buildup and Labor Summary (Data Version 2017, Q4):

Quantity	Line Item Number	Description	Labor Hours	Labor Rate/Hr	Materials	Equipment	Total
--	NA	Materials (see attached detail)	--	--	\$6,298.60	--	\$6,298.60
--	NA	Moore's Labor (2 men)	20	\$120.00	--	--	\$2,400.00
--	NA	TW Coordination	4	\$80.00	--	--	\$320.00

Estimate Summary:

Labor Hours	Labor Cost	Material Cost	Equipment	Total Cost	CE Factor	Total Estimate
24	\$2,720.00	\$6,298.60		\$9,018.60	106%	\$9,559.72



P.O. Box 119 • Altavista, VA 24517 • 24 Hour Service: 800.789.7199 • Fax: 888.722.2712 • MooresElectric.com

Proposal

April 28, 2022

Quotes are valid for 30 days.

USARC - VA049
6700 Strathmore Rd.
N Chesterfield, VA 23237
Email colopy@tideh2o.net & Mary.Lowery@tideh2o.net

Contact Name Mary Lowery & Adam Colopy
Telephone
Cell Phone 614-623-9569
Fax Number

WO: CSS-32296 WO 15003

DESCRIPTION OF EQUIPMENT:

System tagged #4
Carrier 3 ton Heat Pump Split System (2000 system 21 years old)
CU - M#38YCC036 S# 2800E31041 AHU - M# FB4ANF036 S# 2900A85348

DESCRIPTION OF REPAIRS:

To remove and replace the above split system with a new Carrier 3 ton heat pump split system with electric heat. This includes connecting to existing duct connections with modifications needed, drain line connections with a new overflow safety switch, refrigerant connections with new fittings and a system flush, electrical connections from the existing outdoor disconnect to the new unit and low voltage connections to the new digital thermostat. Pressure test the system and charge according to the manufacturers specifications. Start, test, and ensure proper operation of the system.

*** UNIT COMES WITH A ONE YEAR PARTS AND LABOR WARRANTY AND FIVE-YEAR COMPRESSOR PART WARRANTY***

*** There will be two men required due to our safety policy and amount of work needed***

NOTE: A BOOM TRUCK/LIFT WILL BE REQUIRED TO GET THE CONDENSERS UP ONTO THE ROOF.

NOTE: EQUIPMENT TIME IS SUBJECT TO CHANGE BASED ON STOCK AVAILABILITY.

NOTE: EQUIPMENT IS CURRENTLY IN LOCAL STOCK BUT LIMITED.

NOTE: WORK IS TO BE DONE DURING NORMAL BUSINESS HOURS.

NOTE: QUOTE IS ONLY VALID FOR 14 DAYS

NOTE: Customer is responsible for all non-returnable items and/or restocking charges that apply should the quote be cancelled by the customer, or the scope of work changes in anyway after Moore's has received approval.

Exclusions:

- All fire alarm wiring/connecting and/or coordination
- Engineering or drawings for permit and/or Structural load calculations
- Hazardous material testing, abatement or disposal
- Roof cutting or patching and/or structural modifications • Smoke detectors
- Temporary heating or cooling • Air test and balance • Overtime
- Annunciators/strobes or key switch boxes and wiring

MATERIAL, EQUIP OR PARTS

	Quantity		Sell price
Equipment	1.00	\$	3,903.60
Electrical	1.00	\$	90.00
Drain & Overflow Safety	1.00	\$	114.00
Ductwork	1.00	\$	180.00
Refrigerant Fittings & system Flush	1.00	\$	156.00
Torch, Vacuum & Nitrogen	1.00	\$	180.00
T-Stat & Wiring	1.00	\$	198.00
Duct lift	1.00	\$	420.00
Boom Truck/Lift	1.00	\$	780.00
Condenser Foundation Materials	1.00	\$	42.00
S&H	1.00	\$	180.00
Truck Fee	1.00	\$	55.00
Material Total		\$	6,298.60

LABOR ITEMIZED

			Labor
Labor - One Man	10	\$ 120.00	\$ 1,200.00
Labor - Second Man	10	\$ 120.00	\$ 1,200.00
Labor Total		\$	2,400.00

Thank you for your business. If you have any questions or concerns, please feel free to contact us via telephone or quotes@mooreselectric.com

Materials	\$	6,298.60
Labor	\$	2,400.00
TOTAL	\$	8,698.60

Robert Lowery, Changeout Estimator 434-309-2591

Approved by: _____

Standard Terms and Conditions

Payments past 30 days are subject to 1.5% monthly service charge on unpaid balance. Additional charges for payments made through credit cards may apply. Late payments sent to collections or legal process the purchaser agree to pay all costs, expenses, and reasonable attorney fees.

Carrier Enterprise, LLC

Carrier Mid-Atlantic
2401 Dabney Road
Richmond, VA 23230



BILL TO: MOORE'S ELECT & MECH CONST INC
P.O. BOX BOX 119
ALTAVISTA, VA 24517

QUOTE

ORDER NO.	898567-00	PAGE	1 OF 1
ORDER DATE	04/28/22	CUST #	108661
PURCHASE ORDER NO.	TIDEWATER 4 TON HP		
CONTACT	ROBERT		
PHONE	(434)369-4374/		
SALESPERSON	Adam Murphy		
EXPIRATION DATE	05/29/22		

DATE & TIME PRINTED 04/28/2022 09:00:00

SHIP TO: MOORE'S ELECT & MECH CONST INC
P O BOX 119
ALTAVISTA, VA 24517

NOT a Valid Payment Receipt

Visit us today at ma.carrierenterprise.com!

SHIP VIA	Best Way PPB	PAYMENT TERMS	1.5% 10 Prox	FOB	Shipping Point
REFERENCE		CUSTOMER SERVICE:		REMIT PAYMENT TO:	
INSTRUCTIONS		CONTACT	Leroy Dickenson		Carrier Enterprise, LLC - CMA
ORDER NOTES		PHONE	(804)678-5134/		P.O. Box 32156
		FAX	866-776-0860		New York, NY 10087-2156
		EMAIL	Leroy.Dickenson@carrierenterprise.com		

#	PRODUCT AND DESCRIPTION	SRC	DELIVERY DATE		QUANTITY	UNIT	UNIT PRICE	EXT. PRICE
			REQUEST	ESD				
2	FB4CNP048L00 FAN COIL ALUM 4T	1601	09/15/21		1	each	1,105.00	1,105.00
3	FC-2901N09 9KW ELECT HTR NON-FUSED	1601	09/15/21		1	each	100.00	100.00
4	25HCE448AP05 COMFORT 14 HEAT PUMP	1601	09/15/21		1	each	2,598.00	2,598.00

ANY SALE OF THE GOODS INDICATED ON THE FACE OF THIS ACKNOWLEDGEMENT IS SUBJECT TO SELLER'S GENERAL TERMS AND CONDITIONS OF SALE INCLUDING BUT NOT LIMITED TO STANDARD LIMITED WARRANTY TERMS. ACCEPTANCE OF THIS ORDER IS EXPRESSLY MADE CONDITIONAL ON YOUR ASSENT THERETO AND SELLER DOES NOT ACCEPT ANY ADDITIONAL OR DIFFERENT TERMS CONTAINED IN YOUR PURCHASE ORDER OR ANY OTHER COMMUNICATION FROM YOU. ANY TAX OR FREIGHT CHARGES NOTED ABOVE ARE ESTIMATES ONLY AND SUBJECT TO CHANGE PRIOR TO SHIPMENT. THIS IS NOT AN INVOICE.

SUBTOTAL	3,803.00
ESTIMATED TAX	231.60
ESTIMATED FREIGHT	0.00
TEMP INFLATION SURCHARGE	57.05
AMOUNT TENDERED	0.00
ESTIMATED AMOUNT DUE	4,091.65

THIS IS NOT AN INVOICE

Carrier Enterprise, LLC

Carrier Mid-Atlantic
2401 Dabney Road
Richmond, VA 23230



BILL TO: MOORE'S ELECT & MECH CONST INC
P.O. BOX BOX 119
ALTAVISTA, VA 24517

QUOTE

ORDER NO.	897793-00	PAGE	1 OF 1
ORDER DATE	04/28/22	CUST #	108661
PURCHASE ORDER NO.	TIDEWATER INC		
CONTACT	ROBERT		
PHONE	(434)369-4374/		
SALESPERSON	Adam Murphy		
EXPIRATION DATE	05/29/22		

DATE & TIME PRINTED 04/28/2022 09:07:29

SHIP TO: MOORE'S ELECT & MECH CONST INC
P O BOX 119
ALTAVISTA, VA 24517

NOT a Valid Payment Receipt

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SHIP VIA	Best Way PPB	PAYMENT TERMS	1.5% 10 Prox	FOB	Shipping Point
REFERENCE		CUSTOMER SERVICE:		REMIT PAYMENT TO:	
INSTRUCTIONS		CONTACT	Leroy Dickenson	Carrier Enterprise, LLC - CMA	
ORDER NOTES		PHONE	(804)678-5134/	P.O. Box 32156	
		FAX	866-776-0860	New York, NY 10087-2156	
		EMAIL	Leroy.Dickenson@carrierenterprise.com		

#	PRODUCT AND DESCRIPTION	SRC	DELIVERY DATE		QUANTITY	UNIT	UNIT PRICE	EXT. PRICE
			REQUEST	ESD				
1	25HCE436AP05 COMFORT 14 HEAT PUMP	1601	09/15/21		2	each	2,045.00	4,090.00
2	FB4CNP036L00 FAN COIL ALUM 3T	1601	09/15/21		2	each	878.00	1,756.00
3	FC-2901N09 9KW ELECT HTR NON-FUSED	1601	09/15/21		2	each	100.00	200.00

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SUBTOTAL	6,046.00
ESTIMATED TAX	368.20
ESTIMATED FREIGHT	0.00
TEMP INFLATION SURCHARGE	90.69
AMOUNT TENDERED	0.00
ESTIMATED AMOUNT DUE	6,504.89

THIS IS NOT AN INVOICE

Technical Specs

Item	Refrigeration System Flush Kit
Form	Aqueous Solution
Size	19.5 oz
Color	Clear

Technical Specs Feedback

Application	Flush away particulates in Refrigeration Products
Non-Flammable	Yes
Non-Toxic	Yes
Optimum Boiling Point	115 Degrees F

Compliance and Restrictions

Documentation

Customers Also Viewed



NU-CALGON

Refrigeration Flush Solvent Kit, Clear

Item # 20LP89

Web Price

\$221.52 / each

Qty 1

Add to Cart

Product Categories / Plumbing / Plumbing Valves / Shut-Off Valves / Water Detection and Shut-Off Systems / Condensation Flood Detector Switch

Email Print



Product Image Feedback

DIVERSITECH

Condensation Flood Detector Switch

Item # 6XJG7 Mfr. Model # WS-1
UNSPSC # 39121531 Catalog Page # 3092

Country of Origin: China. Country of Origin is subject to change.

Solid state switch is designed to detect the presence of condensate water overflow.

☐ Compare this product

Web Price

\$76.37 / each

Qty

1

Add to Cart



Shipping



Pickup

Expected to arrive Mon. Sep 20.

Ship to 24517 | Change

Shipping Weight 0.6 lbs

Ship Availability Terms

Add to List

Technical Specs

Item	Condensation Flood Detector Switch	Amps	2 A
Voltage	24V AC		

Technical Specs Feedback

Customers Also Purchased



Customers Also Viewed



DIVERSITECH

Condensation Overflow
Safety Switch

Item # 6XJH7

Web Price

\$53.82 / each

Qty

1

Add to Cart

Chat with an Agent

100

Mechanical Control

Mechanical Service

"INSTALLING CONFIDENCE"

804-359-9624

Commercial / Industrial
HEAT - PLUMBING - CONTROLS - REFRIGERATION

TABLE 2
 $TC = TE + PM + M + P$

PANE 4

#4 ODU

EMC
Mechanical Services

"INSTALLING CONFIDENCE"

804-359-9624


Commercial / Industrial
 (P&T) - Plumbing - Construction - Mechanical/Electrical

$$T_1 = T_2 = \dots = T_n = P$$

TO PAGE 4

ODU4
roof pen.
3/4x3/8 ls



A white outdoor air conditioning unit with a black grille and a fan on top, mounted on a concrete rooftop. The unit is positioned next to a brown metal structure. To the right of the unit, there is a small electrical control box and some piping. The background shows a clear sky and some distant buildings.

ODU4
3 ton
hp



SQUARE D
GENERAL DUTY
SAFETY SWITCH
INTERRUPTOR DE
SEGURIDAD
30 AMP
240 VAC / V •
800 3 888 6 1



DANGER



HAZARD OF ELECTRICAL SHOCK, BURN OR EXPLOSION

- Never operate switch with door open
 - Turn off switch before removing or installing fuses or making load side connections
 - Always use a properly rated voltage sensing device at all live and load side fuse slots to confirm switch is off
 - Turn off power supplying switch before doing any other work on or inside switch
- Failure to follow the above instructions will cause death, serious personal injury or electrical shock

PELIGRO

PELIGRO DE HERIDA ELECTRICA, QUEMADURA
O EXPLOSION

- Nunca haga funcionar el disyuntor con la puerta abierta
 - Desconecte al desconectar antes de quitar o instalar fusibles o antes de realizar las conexiones del lado de carga
 - Siempre use un dispositivo sensor de tensión nominal apropiado en todos los slots para fusibles del lado de línea y carga para confirmar que el disyuntor está desconectado
 - Desconecte la alimentación al desconectar antes de realizar cualquier trabajo interno
- El incumplimiento de estas instrucciones puede causar la muerte, lesiones personales graves o una descarga eléctrica

EDU 4 disconnect

ODU
4





Carrier

Technical specifications label on the HVAC unit.

CARRIER
4A

Safety and operational instructions label on the disconnect switch.

Barcode label on the disconnect switch.

Carrier
4A



SQUARE D

GENERAL DUTY
SAFETY SWITCH
INTERRUPTOR DE
SEGURIDAD DE
USO GENERAL

60 AMP
240 Vac / V-



DANGER / PELIGRO

HAZARD OF ELECTRIC SHOCK, BURN OR EXPLOSION
PELIGRO DE DESCARGA ELECTRICA, QUEMADURAS O EXPLOSION


- Never operate switch with door open. Keep door fastened.
- Nunca haga funcionar el interruptor con la puerta abierta. Mantenga la puerta asegurada.
- Turn off switch before removing or installing fuses or making load side connections.
- Apague el interruptor antes de extraer o instalar fusibles o de hacer las conexiones en el lado de carga.
- Always use a properly rated voltage sensing device at all line and load side fuse clips to confirm switch is off.
- Confirme siempre que el interruptor está apagado, utilizando un dispositivo que mida la tensión en todos los portafusibles instalados en el lado de línea y de carga.
- Turn off power supplying switch before doing any other work on or inside switch.
- Desconecte toda la alimentación al interruptor antes de realizar cualquier otro trabajo sobre éste o en su interior.

Failure to follow these

El incumplimiento de estas



Carrier
4A

 **WARNING: READ SAFETY INSTRUCTIONS**
Before attempting to install, service, or repair this unit, read the safety instructions carefully. Failure to do so could result in death or serious injury.

⚡ DANGER / PELIGRO

Electrical Safety:

- 1. Disconnect power to the unit before attempting any service or repair work.
- 2. Do not touch the electrical components of the unit.
- 3. Do not use ladders or other equipment to reach the unit.
- 4. Do not use the unit as a step ladder.
- 5. Do not use the unit to support any weight.
- 6. Do not use the unit to store anything.
- 7. Do not use the unit to dry clothes or other items.
- 8. Do not use the unit to heat or cool food.
- 9. Do not use the unit to dry hair or other items.
- 10. Do not use the unit to dry your hands.

General Safety:

- 1. Do not touch the fan blades or other moving parts of the unit.
- 2. Do not touch the condenser coils or other parts of the unit.
- 3. Do not touch the refrigerant lines or other parts of the unit.
- 4. Do not touch the electrical components of the unit.
- 5. Do not touch the unit when it is running.
- 6. Do not touch the unit when it is hot.
- 7. Do not touch the unit when it is cold.
- 8. Do not touch the unit when it is vibrating.
- 9. Do not touch the unit when it is making noise.
- 10. Do not touch the unit when it is leaking.

Additional Information:

- 1. This unit is not to be used in a bathroom or other wet area.
- 2. This unit is not to be used in a kitchen or other area where food is prepared.
- 3. This unit is not to be used in a room where flammable or explosive materials are present.
- 4. This unit is not to be used in a room where there is a risk of fire.
- 5. This unit is not to be used in a room where there is a risk of explosion.
- 6. This unit is not to be used in a room where there is a risk of asphyxiation.
- 7. This unit is not to be used in a room where there is a risk of poisoning.
- 8. This unit is not to be used in a room where there is a risk of infection.
- 9. This unit is not to be used in a room where there is a risk of disease.
- 10. This unit is not to be used in a room where there is a risk of death.

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Ahu4
access



