

Region: 5

Location: VA050

CSS #: 30717

Maximo Work Order No.: 14350

Asset #:

Date Issued: 05/26/21

Original Description: Chiller #2 - Issue #1 - The control board for Circuit #2 has a burnt spot on it and needs to be replaced -once board is replaced we can further diagnose for proper operation -cause > possible power surge issues from incoming power (Issue #1 board goes to Moores

Chiller #2 -Issue #2 - The top mounted draft inducer actuator is bad and needs to be replaced (Will)

Repairs Needed:

Moores Technician will return to site to remove and replace the compressor control module. Start, test and ensure proper operations. TWI Technician, Will will replace the top mounted draft inducer actuator.

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	Moores Materials (See attached detail)	--	--	\$729.18	--	\$729.18
--	NA	TWI Materials (See attached detail)	--	--	\$932.40	--	\$932.40
--	NA	Moores Labor	8	\$120.00	--	--	\$960.00
--	NA	TWI Labor	8	\$80.00	--	--	\$640.00

Estimate Summary:

Labor Hours	Labor Cost	Material Cost	Equipment	Total Cost	CE Factor	Total Estimate
16	\$1,600.00	\$1,661.58		\$3,261.58	106%	\$3,457.27



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

Proposal

May 26, 2021

Quotes are valid for 30 days.

USARC - VA050	Contact Name	Mary Lowery & Adam Colopy
6002 Strathmore Rd	Telephone	0.00
Chesterfield, VA 23232	Cell Phone	614-623-9569
Email	Fax Number	0.00

adam.colopy@tideh2o.net & Mary.Lowery@tideh2o.net

DESCRIPTION OF EQUIPMENT:

Chiller #2
Make: CGAFC604ARA1000DE
Serial: C09E14916

DESCRIPTION OF PROBLEM:

Arrived on site, checked in with POC. Located both site chiller is, one for the first floor and one for the second and third floors. Performed PM of chiller #2, checking all electrical connections, contactor's, refrigerant pressure is and testing the system operations from the integrated Trane control module at chiller. Upon doing so found circuit two with contactor fault. In speaking with tidewater tech, he had found circuit two breaker tripped the previous day he was onsite to clean the condenser coils. Shut system down ohm'd out both compressor contactor's and found contactor 2a out of tolerance, replaced contactor and verified wire placement and connections. Cycled system on at which time the compressor control module arced, shut system back down, further verified board failure which is the result of the initial breaker trip. Cycled chiller two back on, leaving circuit 2 off, tested operations of chiller circuit one, which is operating properly at this time. Will quote replacement control module.

DESCRIPTION OF REPAIRS:

Technician will return to site to remove and replace the compressor control module. Start, test and ensure proper operations.

MATERIAL, EQUIP OR PARTS

	Quantity	Sell price
Control Module	1.00	\$ 620.18
Shipping	1.00	\$ 54.00
Truck Fee	1.00	\$ 55.00
Material Total		\$ 729.18

LABOR ITEMIZED

		Labor
Labor - One Man	8	\$ 120.00 \$ 960.00
Labor Total		\$ 960.00

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	\$ 729.18
Labor	\$ 960.00
TOTAL	\$ 1,689.18

Robert Lowery, Changeout Estimator 434-309-2591
Ian Harris, Estimator 434-309-2497
James Davis, Estimator 434-309-2568
Marvin Slaughtner, Estimator 434-369-3514
Jared Underwood, Estimator 434-306-2446

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 agrees to pay all costs, expenses, and reasonable attorney fees.



Trane U.S. Inc.
RICHMOND PARTS SUPPLY
10404 LAKERIDGE PKWY STE 300
ASHLAND, VA 23005
USA
PH: 804-747-4774
Ashland@tranesupply.com

QUOTATION

Order Number	
14888718	
Order Date	Page
5/26/2021 12:36:00	1 of 1

Quote Expires On 8/24/2021

Prepared For:

MOORES ELECTRICAL & MECHANICAL
101 EDGEWOOD DR
ALTAVISTA, VA 24517
USA

Ship To:

MOORES ELECTRICAL & MECHANICAL
10404 LAKERIDGE PKWY STE 300
ASHLAND, VA 23005
USA

8007897199

Requested By: mark Slaughter,

P21 ID: 1059185

Internal Account: 3708004

Payment Terms: N30

Customer No: 94020

National Account ID:

<i>PO Number</i>	<i>Ship Route</i>	<i>Quoted By:</i>
		Kristen Fraser

Unit Info: Make / Model / Serial

<i>Quantities</i>					<i>Item ID</i>	<i>Pricing</i>	<i>Unit</i>	<i>Extended</i>
<i>Ordered</i>	<i>Allocated</i>	<i>Remaining</i>	<i>UOM</i>	<i>Disp.</i>	<i>Item Description</i>	<i>UOM</i>	<i>Price</i>	<i>Price</i>
			<i>Unit Size</i>	<i>Weight</i>		<i>Unit Size</i>	<i>Store Pickup</i>	<i>HazMat</i>

Pickup Location-RICHMOND PARTS SUPPLY, 10404 LAKERIDGE PKWY STE 300, , ASHLAND, VA, 23005

1	0	1 EA	MOD01468		EA	516.82	516.82
Non-Returnable		1.0	5.00	MODULE; COMPRESSOR, MULTIPLE CIRCUIT	1.0	Y	N
				COM			
				PRESSOR			

Total Lines: 1

SUB-TOTAL 516.82

CENTRAL VIRGINIA DISTRICT TAX 3.62

VIRGINIA TAX 22.22

HANOVER TAX 5.17

QUOTE TOTAL 547.83

U.S. Dollars

This is a quote, not an invoice. Prices quoted are valid for 30 days from the day of the quote unless otherwise indicated. Tax is an estimate and is subject to changes in shipping address and applicable tax rates. Shipping and Handling charges will be applied if necessary at the time of the order. Quoted items are subject to availability and are not guaranteed to be in stock. Returned parts may be subject to restocking fees and Special Order parts may not be returnable.

All purchases are subject to Trane Parts and Supplies terms of sale, www.trane.com/PartsTermsOfSale

ML7284A-3006

Manufactured by **HONEYWELL**



representative photo
[click to zoom](#)

Weight: 3.40 lbs

Estimated Value - \$740.00

[Save as much as 50 %](#)

[Last Value Update: 2/21/2013](#)

[Have you seen this for less?](#)