



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
 HHR90118

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 ROBERTA WAGNER
 304-558-0067

VENDOR *709033529 804-385-7700
 Southern Air Inc
 Timothy Lusk
 13 Mercer Plaza
 Mercer Mall Road
 Bluefield, WV 24701

SHIP TO
 HEALTH AND HUMAN RESOURCES
 OPERATIONS
 VARIOUS LOCALES AS INDICATED
 ON PURCHASE ORDER

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
03/27/2009				

BID OPENING DATE: 04/07/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 2						
1. QUESTIONS AND ANSWERS ARE ATTACHED.						
2. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.						
EXHIBIT 10						
REQUISITION NO.: HHR90118						
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NO.'S:						
NO. 1 <input checked="" type="checkbox"/>						
NO. 2 <input checked="" type="checkbox"/>						
NO. 3						
NO. 4						
NO. 5						
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.						
VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL						

RECEIVED
 2009 APR -6 P 12:35
 PURCHASING DIVISION
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Timothy A. Lusk</i>	TELEPHONE 304.324.4272	DATE 4/2/09
TITLE Branch Manager	FEIN 54-0604377	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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ROBERTA WAGNER 304-558-0067

VENDOR

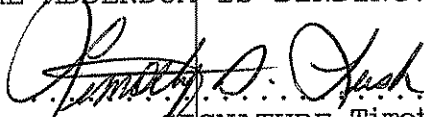
*709033529 804-385-7700
 SOUTHERN AIR INC
 2655 LAKESIDE DR
 LYNCHBURG VA 24502

SHIP TO

HEALTH AND HUMAN RESOURCES
 OPERATIONS
 VARIOUS LOCALES AS INDICATED
 ON PURCHASE ORDER

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/27/2009				

BID OPENING DATE: 04/07/2009 BID OPENING TIME: 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: center;">  SIGNATURE Timothy D. Lusk Southern Air, Inc. COMPANY 4/2/09 DATE </p> <p>REV. 11/96</p> <p style="text-align: center;">END OF ADDENDUM NO. 2</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE 	TELEPHONE 304.324.4272	DATE 4/2/09	
TITLE Branch Manager	FEIN 54-0604377	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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VENDOR

*709033529 804-385-7700
 SOUTHERN AIR INC
 2655 LAKESIDE DR
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SHIP TO

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DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/27/2009				

BID OPENING DATE: 04/07/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		031-06		
HVAC SYSTEM FOR SOUTHERN HIGHLANDS MENTAL HEALTH CTR						
***** THIS IS THE END OF RFQ HHR90118 ***** TOTAL:						See Page 4
Note Attachments for substitution of Air Distribution & Roof Top HVAC Units						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *[Signature]* TELEPHONE 304.324.4272 DATE 4/2/09

TITLE Branch Manager FEIN 54-0604377 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia
DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT
West Virginia Code §21-1D-5

STATE OF WEST VIRGINIA,

COUNTY OF _____, TO-WIT:

I, Robert Bieri II, Jr., after being first duly sworn, depose and state as follows:

- 1. I am an employee of Southern Air, Inc; and
(Company Name)
- 2. I do hereby attest that Southern Air, Inc
(Company Name)

maintains a valid written drug free workplace policy and that such policy is in compliance with **West Virginia Code §21-1D-5**.

The above statements are sworn to under the penalty of perjury.

Southern Air, Inc
(Company Name)

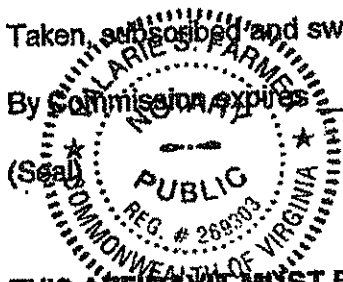
By: [Signature]

Title: Treasurer

Date: 3/5/09

Taken, subscribed and sworn to before me this 5th day of March 2009

By commission expires 12/31/10



Valerie S. Jarman
(Notary Public)

THIS AFFIDAVIT MUST BE SUBMITTED WITH THE BID IN ORDER TO COMPLY WITH WV CODE PROVISIONS. FAILURE TO INCLUDE THE AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF THE BID.

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor must make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: Southern, Inc.
Authorized Signature: [Signature] Date: 3/6/09
Purchasing Affidavit (Revised 01/01/09)

BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, Southern Air, Inc.
of #13 Mercer Plaza, Mercer Mall Road, Bluefield, WV 24701 as Principal, and Hartford Accident and Indemnity
Company of One Hartford Plaza, Hartford, CT 06155, a corporation organized and existing under the laws of the State of CT
with its principal office in the City of Hartford, CT as Surety, are held and firmly bound unto the State
of West Virginia, as Obligee, in the penal sum of Five Percent of Amount Bid (\$ 5% of Bid) for the payment of which,
well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the
Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for
HVAC System for Southern Highlands Mental Health Center

NOW THEREFORE,

- (a) If said bid shall be rejected, or
- (b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal attached
hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform the
agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in full
force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event,
exceed the penal amount of this obligation as herein stated.

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no
way impaired or affected by any extension of the time within which the Obligee may accept such bid, and said Surety does hereby
waive notice of any such extension.

IN WITNESS WHEREOF, Principal and Surety have hereunto set their hands and seals, and such of them as are corporations
have caused their corporate seals to be affixed hereunto and these presents to be signed by their proper officers, this
31st day of March, 2009.

Principal Corporate Seal

Southern Air, Inc.
(Name of Principal)
By [Signature]
(Must be President or
Vice President)
Vice-President
(Title)

Surety Corporate Seal

Hartford Accident and Indemnity Company
(Name of Surety)
[Signature]
Attorney-In-Fact
Theresa S. Stump, Attorney-In-Fact

**IMPORTANT – Surety executing bonds must be licensed in West Virginia to transact surety insurance. Raised corporate seals
must be affixed, a power of attorney must be attached.**

POWER OF ATTORNEY

Direct Inquiries/Claims to:

THE HARTFORD
 BOND, T-4
 P.O. BOX 2103, 690 ASYLUM AVENUE
 HARTFORD, CONNECTICUT 06115
 call: 888-266-3488 or fax: 860-757-5835
 Agency Code: 14-730214 & 14-730836

KNOW ALL PERSONS BY THESE PRESENTS THAT:

- Hartford Fire Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- Hartford Casualty Insurance Company, a corporation duly organized under the laws of the State of Indiana
- Hartford Accident and Indemnity Company, a corporation duly organized under the laws of the State of Connecticut
- Hartford Underwriters Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- Twin City Fire Insurance Company, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of Illinois, a corporation duly organized under the laws of the State of Illinois
- Hartford Insurance Company of the Midwest, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of the Southeast, a corporation duly organized under the laws of the State of Florida

having their home office in Hartford, Connecticut, (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint, up to the amount of unlimited:

E. Bruce Wilsie, Theresa S. Stump, Keith F. Young, Deanna W. Sparks, Sherrie B. Denison, Robert P. Martin Sr., Matthew D. Kerr III, Vickie H. Bibee of Roanoke VA, Robert M. Coon, Susan F. Queen, Linda P. Greenway of Greensboro NC, Latimer Williams, Tambri Doby of Charlotte NC, R. Hutcheson Mauck Jr., Mike Philhower, Stacey W. Hall of Richmond VA, William B. San Soucie, Joanna M. Carson, Lindsey M. DeJarnette, Stephen B. Dolin, Cary A. Hammock, Kelly B. Barker of Lynchburg, VA

their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(ies) only as delineated above by , and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on September 12, 2000, July 21, 2003 or January 22, 2004, the Companies have caused these presents to be signed by its Assistant Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



 Cheryl A. Cohen, Assistant Secretary









 Glenn S. MacDonald, Assistant Vice President

STATE OF CONNECTICUT }
 COUNTY OF HARTFORD } ss. Hartford

On this 4th day of September, 2008, before me personally came Glenn S. MacDonald, to me known, who being by me duly sworn, did depose and say: that (s)he resides in the County of Hartford, State of Connecticut; that (s)he is the Assistant Vice President of the Companies, the corporations described in and which executed the above instrument; that (s)he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that (s)he signed his/her name thereto by like authority.



Therese M. Forgetta
 Therese M. Forgetta
 Notary Public


My Commission Expires August 31, 2013

CERTIFICATE

I, the undersigned, Assistant Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of **March 31, 2009**

Signed and sealed at the City of Hartford.










 R. Scott Cochran, Assistant Vice President



CONTRACTOR LICENSE

Authorized by the

West Virginia Contractor Licensing Board

Number: WV001545

Classification:

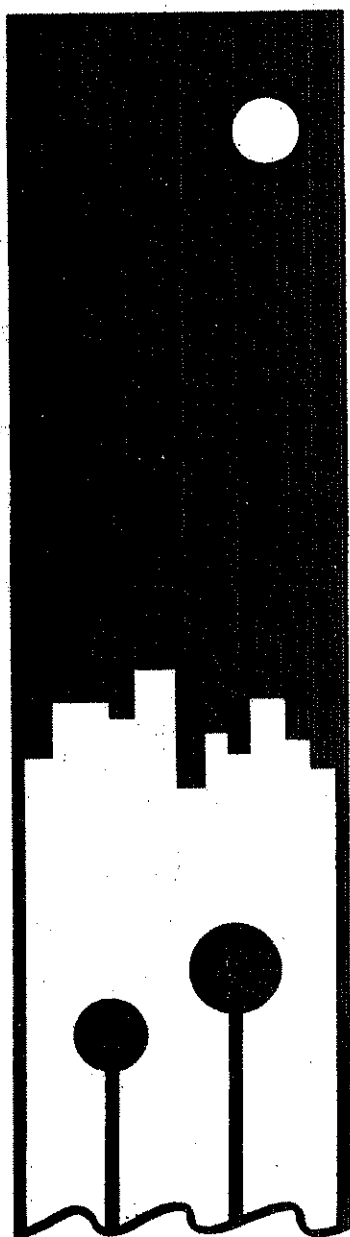
ELECTRICAL
HEATING, VENTILATING & COOLING
PIPING
PLUMBING

SOUTHERN AIR INCORPORATED OF VA
PO BOX 4205
LYNCHBURG, VA 24502-0205

Date Issued

Expiration Date

AUGUST 19, 2008	AUGUST 19, 2009
-----------------	-----------------



WEST VIRGINIA CONTRACTOR LICENSING BOARD

[Handwritten Signature]
Authorized Company Signature

Michael A. Carl
Chair, West Virginia Contractor
Licensing Board

This license, or a copy thereof, must be posted in a conspicuous place at every construction site where work is being performed. This license number must appear in all advertisements, on all bid submissions and on all fully executed and binding contracts. This license cannot be assigned or transferred by licensee. Issued under provisions of West Virginia Code, Chapter 21, Article 11.





PRODUCER:

BrickStreet Mutual Insurance Company
400 Quarrier Street
Charleston, WV 25301

CERTIFICATE HOLDER:

**SOUTHERN AIR INCORPORATED
POST OFFICE BOX 4205
LYNCHBURG, VIRGINIA 24502-0205**

INSURED:

**SOUTHERN AIR INCORPORATED
POST OFFICE BOX 4205
LYNCHBURG, VIRGINIA 24502-0205**

CERTIFICATE OF INSURANCE

The policy of insurance listed below has been issued to the insured named above for the policy period and coverage indicated. This certificate is issued as a matter of information only and confers no rights upon the certificate holder. This certificate does not amend, extend or alter the coverage afforded by the policy below. Coverage is contingent on the insured's compliance with policy conditions and premium payment.

If the policy is canceled before the expiration date, BrickStreet Mutual Insurance Company will endeavor to mail a written notice to the certificate holder within 30 days of cancellation. Failure to mail the notice shall impose no obligation or liability of any kind upon BrickStreet Mutual Insurance Company.

POLICY NUMBER: WC10009071-05

DATE CERTIFICATE ISSUED: 04/21/2008

POLICY EFFECTIVE DATE: 04/03/2008

EXPIRATION DATE: 04/03/2009

WORKERS COMPENSATION AND EMPLOYERS LIABILITY

LIMITS / COVERAGE

WORKERS COMPENSATION - STATUTORY LIMITS

EMPLOYERS LIABILITY LIMITS:

BODILY INJURY BY ACCIDENT:	\$ 100,000.00	EACH ACCIDENT
BODILY INJURY BY DISEASE:	\$ 500,000.00	POLICY LIMIT
BODILY INJURY BY DISEASE:	\$ 100,000.00	EACH EMPLOYEE

**WV BROAD FORM EMPLOYERS LIABILITY ENDORSEMENT -
COVERAGE FOR WV CODE 23-4-2(d)(2)(ii)**

**FEDERAL COAL MINE HEALTH AND SAFETY ACT COVERAGE ENDORSEMENT -
COVERAGE FOR WV CODE 23-4b-1 - FEDERAL BLACK LUNG COVERAGE**

SPECIAL PROVISIONS IF ANY:

ACORD CERTIFICATE OF LIABILITY INSURANCE

OP ID SOUTH-1

DATE (MM/DD/YYYY) 01/20/09

PRODUCER Scott Insurance (Rke) 10 Franklin Road SE Ste. 550 Roanoke VA 24001 Phone: 540-343-8071 Fax: 540-345-2958	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW	
	INSURERS AFFORDING COVERAGE	NAIC #
INSURED Southern Air, Inc. P.O. Box 4205 Lynchburg VA 24502	INSURER A: Massachusetts Bay Ins Co (A-)	22306
	INSURER B: North River Insurance Co. (A-)	
	INSURER C: Liberty Mutual Fire Ins Co (A)	23043
	INSURER D: Hanover Insurance Company (A-)	22292
	INSURER E: Federal Insurance Co (A++)	20281

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC	LDR3932207	10/01/08	10/01/09	EACH OCCURRENCE \$ 1,000,000
					DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000
					MED EXP (Any one person) \$ 5,000
					PERSONAL & ADV INJURY \$ 1,000,000
					GENERAL AGGREGATE \$ 2,000,000
					PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	ADR4072078	10/01/08	10/01/09	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
					BODILY INJURY (Per person) \$
					BODILY INJURY (Per accident) \$
					PROPERTY DAMAGE (Per accident) \$
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$
					OTHER THAN EA ACC \$
					AUTO ONLY: AGG \$
B	EXCESS/UMBRELLA LIABILITY <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE RETENTION \$	553-091596-2	10/01/08	10/01/09	EACH OCCURRENCE \$ 25,000,000
					AGGREGATE \$ 25,000,000
					\$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below	WA515D275025148	10/01/08	10/01/09	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER
					E.L. EACH ACCIDENT \$ 1,000,000
					E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
D	OTHER Equipment Installation	RHR4060235 RHR4060235	10/01/08	10/01/09	Lsd/Rent 125,000
					Installat 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

CERTIFICATE HOLDER

CANCELLATION

SOUTH-5

Southern Air, Inc.
 2655 Lakeside Drive
 Box 4205
 Lynchburg VA 24502-0205

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

Martha Moore

IMPORTANT

If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

Shultz & James, Inc.
3433 Brambleton Avenue SW
Roanoke, VA 24018
(540) 772-1014 Fax: (540) 772-1017

Date: March 25, 2009
To: Southern Air, Inc
Attn: David Stowers
Re: Southern Highlands CMHC

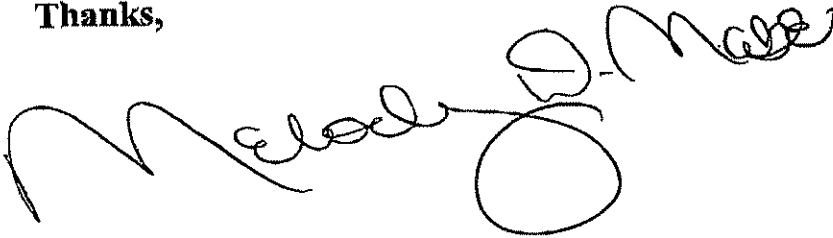
of Pages Including Cover Sheet: 5

Remarks:

Please find attached copies of Tuttle and Bailey submittal data for the Southern Highlands CMHC project as per your request.

You did not mention the square to rounds option – I have included information for this if desired. As per the Diffuser and Grille Schedule “No Panels” are allowed – that is why BB, CC, DD & KK will be 22”x22” necks and require a square to round adapter.

Thanks,

A handwritten signature in black ink, appearing to read "Melody D. Mabe". The signature is fluid and cursive, with a large loop at the end.

Melody D. Mabe, CIT
mmabe@sjincva.com



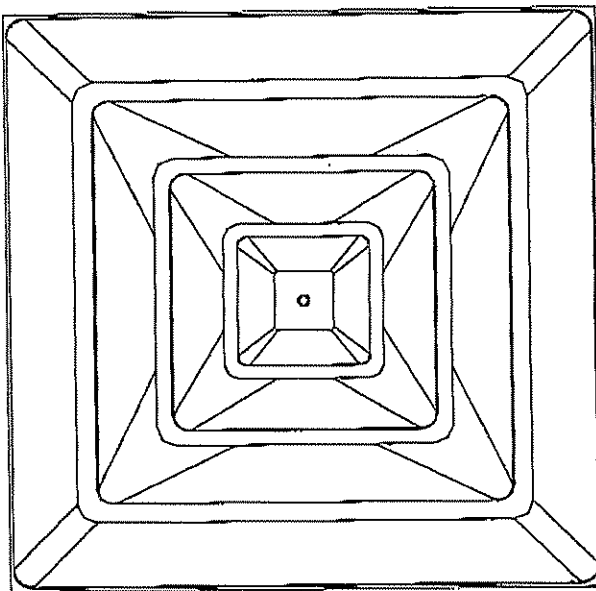
SUBMITTAL DRAWING

- Steel (1300) or ~~Aluminum (A1300)~~ construction
- Frame SF (surface mount) includes an aluminum mounting frame
- Standard finish is white
- Two earthquake tabs are standard on all frame styles
- Core is non-removable
- ~~Optional round damper to be ordered separately~~
- Damper is adjustable through hole in center cone

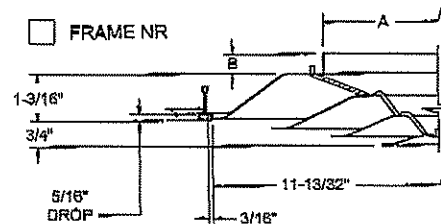
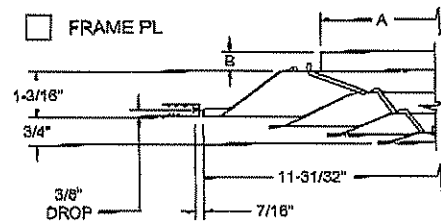
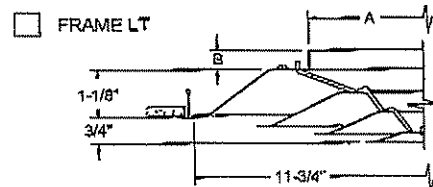
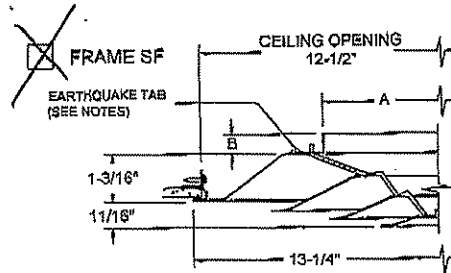
" A "

Face View

See specific frame details for dimensions



NOMINAL NECK SIZE	SERIES 1300 STEEL & ALUMINUM A	SERIES 1300 STEEL B	SERIES A1300 ALUMINUM B
6	5 7/8"	1 1/2"	1 1/2"
8	7 7/8"	1 1/2"	1 1/2"



Dimensions are in inches, Product information subject to change without notice

PROJECT: Southern Highlands CMHC
 ARCHITECT: _____
 ENGINEER: _____
 CONTRACTOR: Southern Air, Inc.
 LOCATION: _____

SUBMITTED BY:
 Shultz & James, Inc.
 3433 Brambleton Ave. SW
 Roanoke, VA 24018

DATE: 7-15-00 SD-1605.1
1300 & A1300 Series
 Fixed Pattern Diffuser
 w/Round Neck
 12 x 12 module



SUBMITTAL DRAWING

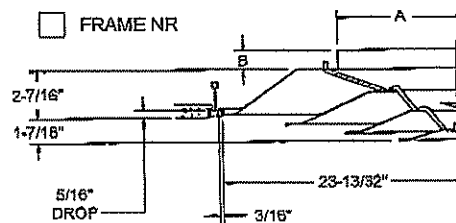
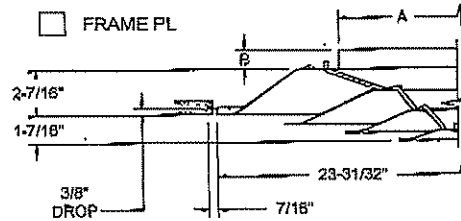
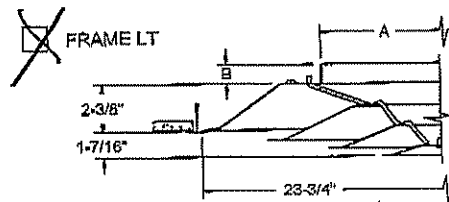
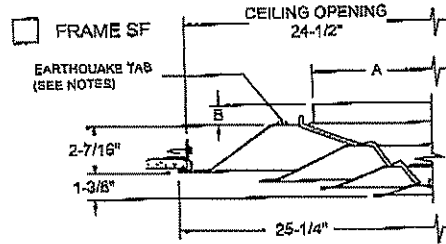
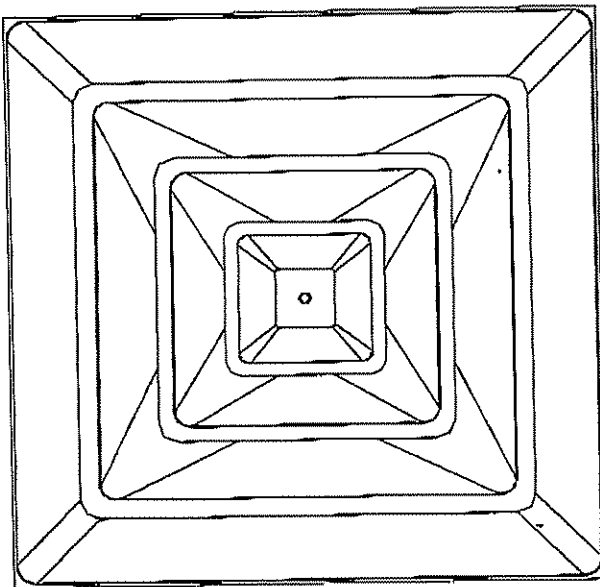
- Steel (1300) or Aluminum (A1300) construction
- Frame SF (surface mount) includes an aluminum mounting frame
- Standard finish is white
- Two earthquake tabs are standard on all frame styles
- Core is non-removable

- Optional round damper to be ordered separately
- Damper is adjustable through hole in center cone

"B, C, D"

Face View

See specific frame details for dimensions



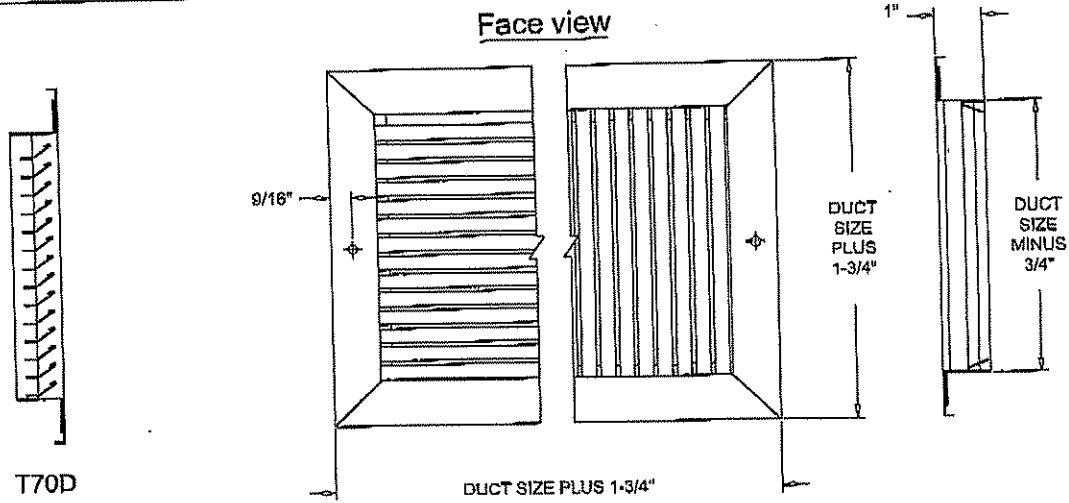
NOMINAL NECK SIZE	SERIES 1300 STEEL & ALUMINUM A	SERIES 1300 STEEL B	SERIES A1300 ALUMINUM B
6	5 7/8"	1"	1 1/2"
8	7 7/8"	1"	1 1/2"
10	9 7/8"	1 1/2"	1 1/2"
12	11 7/8"	1 1/2"	1 1/2"
14	13 7/8"	1 1/2"	1 1/2"
15	14 7/8"	1 1/2"	1 1/2"

Dimensions are in inches, Product information subject to change without notice

PROJECT: Southern Highlands CMHC	SUBMITTED BY:	DATE: 7-15-00	SD-1425.1
ARCHITECT:	Shultz & James, Inc. 3433 Brambleton Ave. SW Roanoke, VA 24018	1300 & A1300 Series Fixed Pattern Diffuser w/Round Neck 24 x 24 module	
ENGINEER:			
CONTRACTOR: Southern Air, Inc.			
LOCATION:			

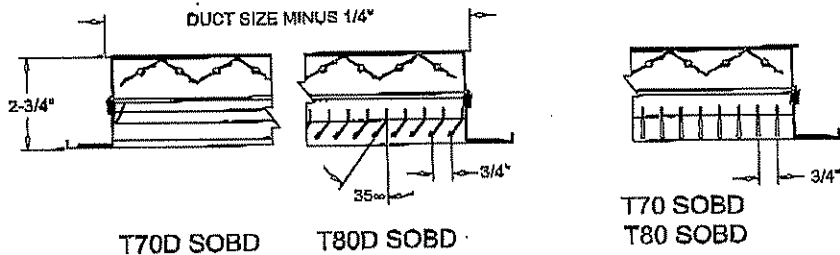
Tuttle & Bailey® SUBMITTAL DRAWING

- Bars spaced on 3/4" centers
- Model T70: horizontal bars, 0° fixed deflection
- Model T80: vertical bars, 0° fixed deflection
- Model T70D: horizontal bars, 35° fixed deflection
- Model T80D: vertical bars, 35° fixed deflection
- Steel construction
- Standard grille finish is white (WH), standard finish for SOBD is mill



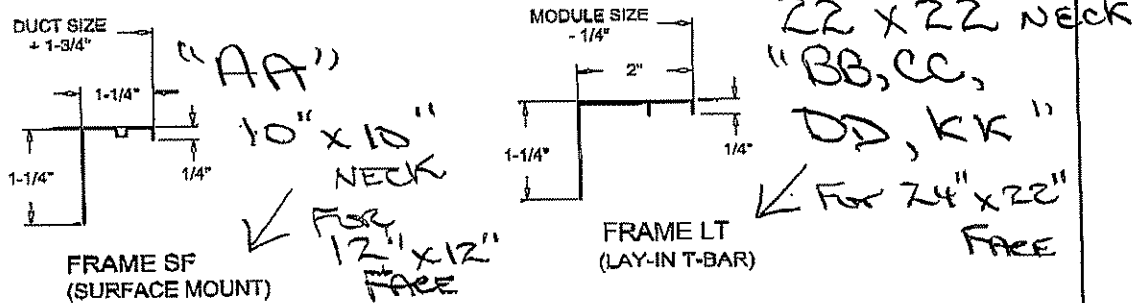
T70D

T70 T80
T70D T80D



T70D SOBD T80D SOBD T70 SOBD T80 SOBD

T70

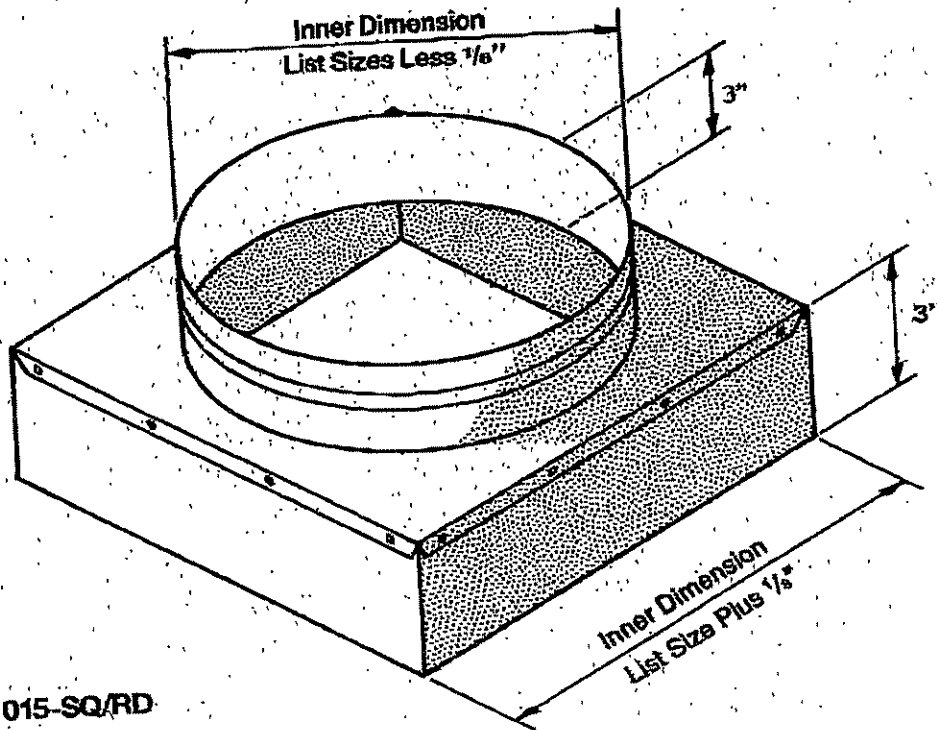


Dimensions are in inches. Product information subject to change without notice.

JOB NAME: Southern Highlands CMHC	SUBMITTED BY: Shultz & James, Inc. 3433 Brambleton Ave. SW Roanoke, VA 24018	DATE: 8-1-00	SD-1324.1
LOCATION: _____	ARCHITECT: _____	T70 & T80 Fixed Bar Return Grilles & Registers 3/4" Bar Spacing	
ENGINEER: _____	CONTRACTOR: Southern Air, Inc.		

Southern Highlands Cmte SQUARE TO ROUND TRANSITIONS

AIR-TRAC®



015-SQ/RD

- (24) 22x22 to 8" x
- (17) 22x22 to 10" x
- (3) 22x22 to 3" x

- STANDARD CONSTRUCTION:**
- 28 gauge galvanized steel
 - Riveted Construction
 - 3" high square w 3" collar
 - Round collar may vary from 4" to square neck size
- Example:** 12 x 12 sq. w/12" collar
- Square/rectangular to round

SUBMITTAL DATA

For: Approval

Order #:
Project: Mental Health Center
Location: Mercer Co, WV
Unit Tags: RTU-1, RTU-2, RTU-3, RTU-4, RTU-5, RTU-6, RTU-7, RTU-8, RTU-9
RTU-10

Date

3/25/2009

Project Name

Mental Health Center

Client / Purchaser**Order No.****Submittal Summary Page**

(Equipment Only. Refer to Quotation Page or Schedules for Selected Accessories)

Qty	Tag #	Model #	Description
1	RTU-1	DJ060N08N1SAA3	Single Packaged R-22 Air Conditioner, 13 SEER, 5 Ton, 80 MBH Output Aluminized Steel, 1 Stage (036, 048), Belt Drive, 208/230-1-60, Powered Convenience Outlet (110 VAC), 3rd Generation
1		1FA0403	KIT,MANUAL DAMPER,3-6T R:A
1		1RC0434	Roof Curb 14" 3-6 Ton
1	RTU-2	DJ048N06N1SAA2	Single Packaged R-22 Air Conditioner, 13 SEER, 4 Ton, 60 MBH Output Aluminized Steel, 1 Stage (048), Belt Drive, 208/230-1-60, Powered Convenience Outlet (110 VAC), 2nd Generation
1		1FA0403	KIT,MANUAL DAMPER,3-6T R:A
1		1RC0434	Roof Curb 14" 3-6 Ton
1	RTU-3	DJ036N08N1SAA2	Single Packaged R-22 Air Conditioner, 13 SEER, 3 Ton, 80 MBH Output Aluminized Steel, 1 Stage (036, 048), Belt Drive, 208/230-1-60, Powered Convenience Outlet (110 VAC), 2nd Generation
1		1FA0403	KIT,MANUAL DAMPER,3-6T R:A
1		1RC0434	Roof Curb 14" 3-6 Ton
1	RTU-4	DJ036N08N2SAA2	Single Packaged R-22 Air Conditioner, 13 SEER, 3 Ton, 80 MBH Output Aluminized Steel, 1 Stage (036, 048), Belt Drive, 208/230-3-60, Powered Convenience Outlet (110 VAC), 2nd Generation
1		1FA0403	KIT,MANUAL DAMPER,3-6T R:A
1		1RC0434	Roof Curb 14" 3-6 Ton
1	RTU-5	D2NZ024N03606	Single Packaged R-410A Air Conditioner, 2nd Generation, 13 SEER, 2 Ton, Natural Gas Heat Aluminized Steel, 1 Stage, 36,000 BTUH, 208/230-1-60
1		1FF0110	FILTER FRAME KIT - S.P.P.
1		2EE04703124	S.P.P. ECONO - SINGLE BLADE
1		2EC06700124	TRANSFORMER KIT - S.P.P.
1		2EC04700924	DUAL ENTHALPY SENSOR KIT
1		2EC04700524	SINGLE ENTHALPY SENSOR KIT
1		1RC0463	14" ROOF CURB
1	RTU-6	D2NZ024N03606	Single Packaged R-410A Air Conditioner, 2nd Generation, 13 SEER, 2 Ton, Natural Gas Heat Aluminized Steel, 1 Stage, 36,000 BTUH, 208/230-1-60
1		1FF0110	FILTER FRAME KIT - S.P.P.
1		1FA0406	MANUAL O.D.A. DAMPER
1		1RC0463	14" ROOF CURB
1	RTU-7	DF090N15Q2SAA4	Single Packaged R-22 Air Conditioner, 10.4 EER, 7.5 Ton, 150 MBH Output Aluminized Steel, High Static Motor/Economizer/Power Exhaust (Downflow only), 208/230-3-60, Powered Convenience Outlet (110 VAC), 4th Generation
1		2EC04700924	DUAL ENTHALPY SENSOR KIT
1		1RC0471	14"HIGH PREDATOR ROOF CURB
1	RTU-8	DJ036N08N2SAA2	Single Packaged R-22 Air Conditioner, 13 SEER, 3 Ton, 80 MBH Output Aluminized Steel, 1 Stage (036, 048), Belt Drive, 208/230-3-60, Powered Convenience Outlet (110 VAC), 2nd Generation
1		1FA0403	KIT,MANUAL DAMPER,3-6T R:A
1		1RC0434	Roof Curb 14" 3-6 Ton
1	RTU-9	DF078N10Q2SAA3	Single Packaged R-22 Air Conditioner, 10.4 EER, 6.5 Ton, 100 MBH Output Aluminized Steel, High Static Motor/Economizer/Power Exhaust (Downflow only), 208/230-3-60, Powered Convenience Outlet (110 VAC), 3rd Generation
1		2EC04700924	Dual Enthalpy Sensor - (When ordering a 2-5 ton residential packaged unit, must also order 2EC04700524)
1		1RC0471	Roof Curb, 14" Height
1	RTU-10	DJ060N08N2SAA3	Single Packaged R-22 Air Conditioner, 13 SEER, 5 Ton, 80 MBH Output Aluminized Steel, 1 Stage (036, 048), Belt Drive, 208/230-3-60, Powered Convenience Outlet (110 VAC), 3rd Generation
1		1FA0403	KIT,MANUAL DAMPER,3-6T R:A
1		1RC0434	Roof Curb 14" 3-6 Ton



Sunline 3-6 Ton

DJ - 13 SEER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 4

Order No:

Project Name: **Mental Health Center**

Model #: **DJ060N08N1SAA3**

Quantity: 1 Tag #: RTU-1

System: **DJ060N08N1SAA3**

Cooling Performance

Total capacity	62.5 MBH
Sensible capacity	45.5 MBH
Refrigerant type	R22
Seasonal Efficiency (at ARI)	13.00 SEER
Efficiency (at ARI)	11.20 EER
Ambient DB temp.	95 °F
Entering DB temp.	80 °F
Entering WB temp.	67 °F
Leaving DB temp.	59.02 °F
Leaving WB temp.	57.18 °F
Sound power	81 dB(A)
Elevation	0 ft.

Heating Performance

Entering DB temp.	65.00 °F
Heating output capacity (Max)	80 MBH
Heating input capacity (Max)	100 MBH
Leaving DB temp.	101.57 °F
Air temp. rise	36.57 °F
AFUE	80.5 %
SSE	80.8 %
Stages	1

Supply Air Blower Performance

Supply air	2000 CFM
Ext. static pressure	0.75 IWG
Blower speed	1151.00 RPM
Duct location	Bottom
Motor rating	1.50 HP
Actual required BHP	1.20 HP
Power input	1.12 kW

Electrical Data

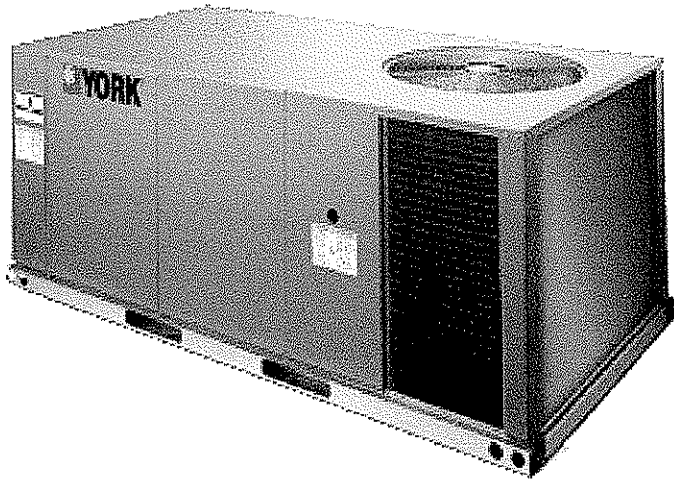
Power supply	208-1-60
Min circuit ampacity	55.80 Amps
Max over-current protection	60 Amps
Derated	Yes
Can derate	Yes
Derated voltage	208 V

Dimensions & Weight

Hgt	33 in.	Len	83 in.	Wth	45 in.
Weight with factory installed options	650 lbs.				
Field installed accessory weight	95.0 lbs.				

Clearances

Right	24 in.	Front	32 in.	Back	12 in.
Top	72 in.	Bottom	0 in.	Left	24 in.



5 TON

- 13.0 to 13.5 SEER / 11.0 to 11.8 EER

STANDARD FEATURES

- Simplicity® control board is factory installed.
- Units are available in the following configurations: cooling only, cooling with electric heat, and cooling with gas heat. Electric heaters are available as factory-installed options or field-installed accessories.
- Installation time and costs are reduced by easy power and control wiring.
- All units are factory-wired, piped, charged, and tested prior to shipment.
- Factory-installed options are available such as stainless steel heat exchanger, electric heating elements, single enthalpy economizer, high static drive blower motor, coil guard, dirty filter switch, hinged filter door, and toolless access panels further reduce installation costs.
- Convertible airflow design means no panel cutting is required, and no accessory panel is necessary.
- Wide range of indoor airflows using belt and direct drive blowers.
- Grooved copper tubes and enhanced aluminum- fin construction improve heat transfer.
- Gas and electric utility knockouts are provided on unit side and bottom for easy connections.
- Compressor is internally protected against high pressure and temperature.
- Optional factory mounted supply and return air smoke detectors.
- Permanently lubricated condenser and evaporator fan motor bearings need no annual maintenance.
- Durable finish, made of powder-painted, galvanized steel to meet ASTM-B-117 1000-hour salt-spray test demands.
- Full-perimeter base rails are permanently attached to provide a solid unit foundation and fork lift access.
- Standard units are shipped with 1" throw-away filters installed, while 2" filters are optional.
- Units installed with heat exchangers are corrosion-resistant, with aluminized or stainless steel tubular construction for durability and long service life.
- Units installed with electric heaters are wired for single point power supply connection.
- Optional BAS factory mounted controls include: York® Simplicity® INTELLI-Comfort™, Novar® ETC-3, Honeywell W7750C, Johnson Control YK-UNT-1126, and Computer Process Controls Model 810-3060 ARTC.
- Optional single input electronic enthalpy economizer includes a slide-in / plug-in damper assembly with fully modulating spring-return motor actuator capable of introducing up to 100% outdoor air with nominal 1% leakage type dampers.
- Complete line of field-installed accessories, propane and high-altitude conversion kits, motorized dampers, single enthalpy economizers, and dual enthalpy sensors are available.





Sunline 3-6 Ton
DJ - 13 SEER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 5

Order No:

Project Name: **Mental Health Center**

Model #: **DJ060N08N1SAA3**

Quantity: 1 Tag #: **RTU-1**

System: **DJ060N08N1SAA3**

FACTORY WARRANTY

- Five-Year Limited Warranty On Compressor
- Ten-Year Heat Exchanger Warranty
- One-Year Warranty all other parts

Factory Installed Options

DJ060N08N1SAA3

Product Category:	D	Single Packaged R-22 Air Conditioner
Product Identifier:	J	13 SEER
Nominal Cooling Capacity:	060	5 Ton
Heat Type and Nominal Heat Capacity:	N08	80 MBH Output Aluminized Steel, 1 Stage (036, 048)
Airflow:	N	Belt Drive
Voltage:	1	208/230-1-60
Installation Options:	S	Powered Convenience Outlet (110 VAC)
Additional Options:	AA	
Product Generation:	3	3rd Generation

Field Installed Accessories

- 1FA0403 - KIT, MANUAL DAMPER, 3-6T R:A (9.0 lbs)
- 1RC0434 - Roof Curb 14" 3-6 Ton (86.0 lbs)



Sunline 3-6 Ton

DJ - 13 SEER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 6

Order No:

Project Name: **Mental Health Center**

Model #: **DJ048N06N1SAA2**

Quantity: 1 Tag #: **RTU-2**

System: **DJ048N06N1SAA2**

Cooling Performance

Total capacity	49.0 MBH
Sensible capacity	35.0 MBH
Refrigerant type	R22
Seasonal Efficiency (at ARI)	13.45 SEER
Efficiency (at ARI)	11.75 EER
Ambient DB temp.	95 °F
Entering DB temp.	80 °F
Entering WB temp.	67 °F
Leaving DB temp.	59.83 °F
Leaving WB temp.	57.38 °F
Sound power	83 dB(A)
Elevation	0 ft.

Heating Performance

Entering DB temp.	65.00 °F
Heating output capacity (Max)	60 MBH
Heating input capacity (Max)	75 MBH
Leaving DB temp.	99.14 °F
Air temp. rise	34.14 °F
AFUE	80.9 %
SSE	81.6 %
Stages	1

Supply Air Blower Performance

Supply air	1600 CFM
Ext. static pressure	0.75 IWG
Blower speed	1047.00 RPM
Duct location	Bottom
Motor rating	1.50 HP
Actual required BHP	0.85 HP
Power input	0.79 kW

Electrical Data

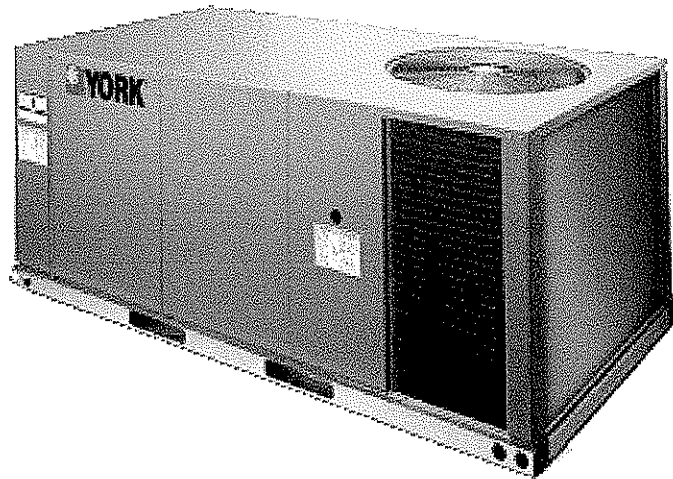
Power supply	208-1-60
Min circuit ampacity	39.10 Amps
Max over-current protection	50 Amps
Derated	Yes
Can derate	Yes
Derated voltage	208 V

Dimensions & Weight

Hgt	33 in.	Len	83 in.	With	45 in.
Weight with factory installed options	635 lbs.				
Field installed accessory weight	95.0 lbs.				

Clearances

Right	24 in.	Front	32 in.	Back	12 in.
Top	72 in.	Bottom	0 in.	Left	24 in.



4 TON

- 13.0 to 13.5 SEER / 11.0 to 11.8 EER

STANDARD FEATURES

- Simplicity® control board is factory installed.
- Units are available in the following configurations: cooling only, cooling with electric heat, and cooling with gas heat. Electric heaters are available as factory-installed options or field-installed accessories.
- Installation time and costs are reduced by easy power and control wiring.
- All units are factory-wired, piped, charged, and tested prior to shipment.
- Factory-installed options are available such as stainless steel heat exchanger, electric heating elements, single enthalpy economizer, high static drive blower motor, coil guard, dirty filter switch, hinged filter door, and toolless access panels further reduce installation costs.
- Convertible airflow design means no panel cutting is required, and no accessory panel is necessary.
- Wide range of indoor airflows using belt and direct drive blowers.
- Grooved copper tubes and enhanced aluminum- fin construction improve heat transfer.
- Gas and electric utility knockouts are provided on unit side and bottom for easy connections.
- Compressor is internally protected against high pressure and temperature.
- Optional factory mounted supply and return air smoke detectors.
- Permanently lubricated condenser and evaporator fan motor bearings need no annual maintenance.
- Durable finish, made of powder-painted, galvanized steel to meet ASTM-B-117 1000-hour salt-spray test demands.
- Full-perimeter base rails are permanently attached to provide a solid unit foundation and fork lift access.
- Standard units are shipped with 1" throw-away filters installed, while 2" filters are optional.
- Units installed with heat exchangers are corrosion-resistant, with aluminized or stainless steel tubular construction for durability and long service life.
- Units installed with electric heaters are wired for single point power supply connection.
- Optional BAS factory mounted controls include: York® Simplicity® INTELLI-Comfort™, Novar® ETC-3, Honeywell W7750C, Johnson Control YK-UNT-1126, and Computer Process Controls Model 810-3060 ARTC.
- Optional single input electronic enthalpy economizer includes a slide-in / plug-in damper assembly with fully modulating spring-return motor actuator capable of introducing up to 100% outdoor air with nominal 1% leakage type dampers.
- Complete line of field-installed accessories, propane and high-altitude conversion kits, motorized dampers, single enthalpy economizers, and dual enthalpy sensors are available.





Sunline 3-6 Ton
DJ - 13 SEER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 7
Order No:

Project Name: **Mental Health Center**

Model #: **DJ048N06N1SAA2**

Quantity: 1 Tag #: RTU-2

System: **DJ048N06N1SAA2**

FACTORY WARRANTY

- Five-Year Limited Warranty On Compressor
- Ten-Year Heat Exchanger Warranty
- One-Year Warranty all other parts

Factory Installed Options

DJ048N06N1SAA2

Product Category:	D	Single Packaged R-22 Air Conditioner
Product Identifier:	J	13 SEER
Nominal Cooling Capacity:	048	4 Ton
Heat Type and Nominal Heat Capacity:	N06	60 MBH Output Aluminized Steel, 1 Stage (048)
Airflow:	N	Belt Drive
Voltage:	1	208/230-1-60
Installation Options:	S	Powered Convenience Outlet (110 VAC)
Additional Options:	AA	
Product Generation:	2	2nd Generation

Field Installed Accessories

- 1FA0403 - KIT, MANUAL DAMPER, 3-6T R:A (9.0 lbs)
- 1RC0434 - Roof Curb 14" 3-6 Ton (86.0 lbs)



Sunline 3-6 Ton

DJ - 13 SEER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 8

Order No:

Project Name: **Mental Health Center**

Model #: **DJ036N08N1SAA2**

Quantity: 1 Tag #: RTU-3

System: **DJ036N08N1SAA2**

Cooling Performance

Total capacity	37.0 MBH
Sensible capacity	26.0 MBH
Refrigerant type	R22
Seasonal Efficiency (at ARI)	13.50 SEER
Efficiency (at ARI)	11.65 EER
Ambient DB temp.	95 °F
Entering DB temp.	80 °F
Entering WB temp.	67 °F
Leaving DB temp.	60.02 °F
Leaving WB temp.	57.23 °F
Sound power	84 dB(A)
Elevation	0 ft.

Heating Performance

Entering DB temp.	65.00 °F
Heating output capacity (Max)	80 MBH
Heating input capacity (Max)	100 MBH
Leaving DB temp.	125.96 °F
Air temp. rise	60.96 °F
AFUE	80.5 %
SSE	80.8 %
Stages	1

Supply Air Blower Performance

Supply air	1200 CFM
Ext. static pressure	0.75 IWG
Blower speed	951.50 RPM
Duct location	Bottom
Motor rating	1.50 HP
Actual required BHP	0.64 HP
Power input	0.59 kW

Electrical Data

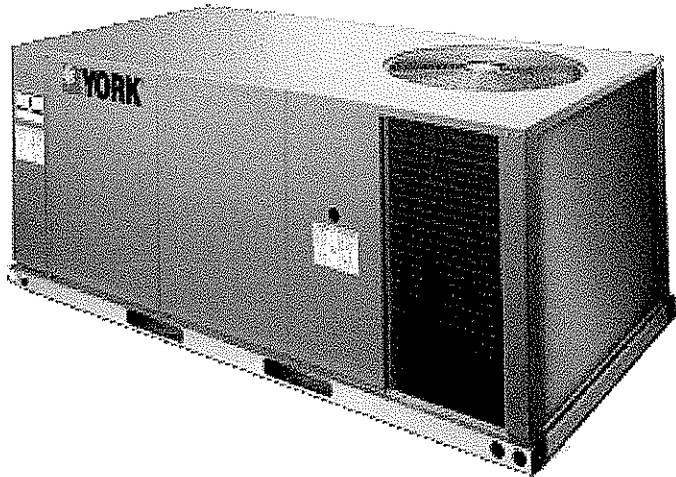
Power supply	208-1-60
Min circuit ampacity	34.00 Amps
Max over-current protection	45 Amps
Derated	Yes
Can derate	Yes
Derated voltage	208 V

Dimensions & Weight

Hgt	33 in.	Len	83 in.	With	45 in.
Weight with factory installed options	635 lbs.				
Field installed accessory weight	95.0 lbs.				

Clearances

Right	24 in.	Front	32 in.	Back	12 in.
Top	72 in.	Bottom	0 in.	Left	24 in.



3 TON

- 13.0 to 13.5 SEER / 11.0 to 11.8 EER

STANDARD FEATURES

- Simplicity® control board is factory installed.
- Units are available in the following configurations: cooling only, cooling with electric heat, and cooling with gas heat. Electric heaters are available as factory-installed options or field-installed accessories.
- Installation time and costs are reduced by easy power and control wiring.
- All units are factory-wired, piped, charged, and tested prior to shipment.
- Factory-installed options are available such as stainless steel heat exchanger, electric heating elements, single enthalpy economizer, high static drive blower motor, coil guard, dirty filter switch, hinged filter door, and toolless access panels further reduce installation costs.
- Convertible airflow design means no panel cutting is required, and no accessory panel is necessary.
- Wide range of indoor airflows using belt and direct drive blowers.
- Grooved copper tubes and enhanced aluminum-fin construction improve heat transfer.
- Gas and electric utility knockouts are provided on unit side and bottom for easy connections.
- Compressor is internally protected against high pressure and temperature.
- Optional factory mounted supply and return air smoke detectors.
- Permanently lubricated condenser and evaporator fan motor bearings need no annual maintenance.
- Durable finish, made of powder-painted, galvanized steel to meet ASTM-B-117 1000-hour salt-spray test demands.
- Full-perimeter base rails are permanently attached to provide a solid unit foundation and fork lift access.
- Standard units are shipped with 1" throw-away filters installed, while 2" filters are optional.
- Units installed with heat exchangers are corrosion-resistant, with aluminized or stainless steel tubular construction for durability and long service life.
- Units installed with electric heaters are wired for single point power supply connection.
- Optional BAS factory mounted controls include: York® Simplicity® INTELLI-Comfort™, Novar® ETC-3, Honeywell W7750C, Johnson Control YK-UNT-1126, and Computer Process Controls Model 810-3060 ARTC.
- Optional single input electronic enthalpy economizer includes a slide-in / plug-in damper assembly with fully modulating spring-return motor actuator capable of introducing up to 100% outdoor air with nominal 1% leakage type dampers.
- Complete line of field-installed accessories, propane and high-altitude conversion kits, motorized dampers, single enthalpy economizers, and dual enthalpy sensors are available.





Sunline 3-6 Ton
DJ - 13 SEER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 9

Order No:

Project Name: **Mental Health Center**

Model #: **DJ036N08N1SAA2**

Quantity: 1 Tag #: **RTU-3**

System: **DJ036N08N1SAA2**

FACTORY WARRANTY

- Five-Year Limited Warranty On Compressor
- Ten-Year Heat Exchanger Warranty
- One-Year Warranty all other parts

Factory Installed Options

DJ036N08N1SAA2

Product Category:	D	Single Packaged R-22 Air Conditioner
Product Identifier:	J	13 SEER
Nominal Cooling Capacity:	036	3 Ton
Heat Type and Nominal Heat Capacity:	N08	80 MBH Output Aluminized Steel, 1 Stage (036, 048)
Airflow:	N	Belt Drive
Voltage:	1	208/230-1-60
Installation Options:	S	Powered Convenience Outlet (110 VAC)
Additional Options:	AA	
Product Generation:	2	2nd Generation

Field Installed Accessories

- 1FA0403 - KIT, MANUAL DAMPER, 3-6T R:A (9.0 lbs)
- 1RC0434 - Roof Curb 14" 3-6 Ton (86.0 lbs)



Sunline 3-6 Ton

DJ - 13 SEER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 10

Order No:

Project Name: **Mental Health Center**

Model #: **DJ036N08N2SAA2**

Quantity: 1 Tag #: RTU-4

System: **DJ036N08N2SAA2**

Cooling Performance

Total capacity	37.0 MBH
Sensible capacity	26.0 MBH
Refrigerant type	R22
Seasonal Efficiency (at ARI)	13.50 SEER
Efficiency (at ARI)	11.65 EER
Ambient DB temp.	95 °F
Entering DB temp.	80 °F
Entering WB temp.	67 °F
Leaving DB temp.	60.02 °F
Leaving WB temp.	57.23 °F
Sound power	84 dB(A)
Elevation	0 ft.

Heating Performance

Entering DB temp.	65.00 °F
Heating output capacity (Max)	80 MBH
Heating input capacity (Max)	100 MBH
Leaving DB temp.	125.96 °F
Air temp. rise	60.96 °F
AFUE	80.5 %
SSE	80.8 %
Stages	1

Supply Air Blower Performance

Supply air	1200 CFM
Ext. static pressure	0.75 IWG
Blower speed	951.50 RPM
Duct location	Bottom
Motor rating	1.50 HP
Actual required BHP	0.64 HP
Power input	0.59 kW

Electrical Data

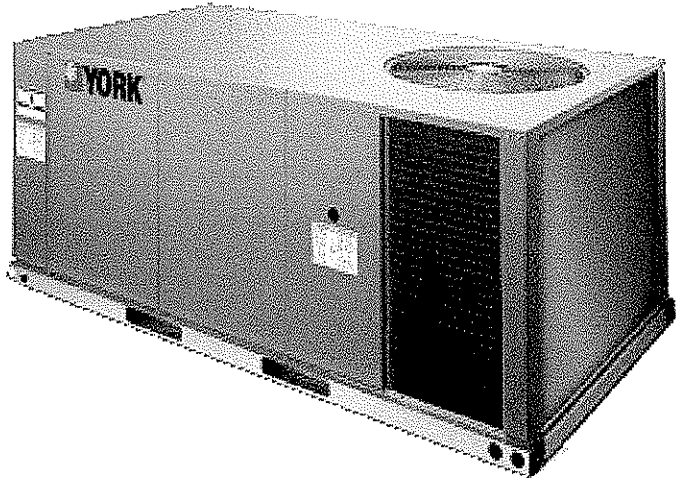
Power supply	208-3-60
Min circuit ampacity	28.30 Amps
Max over-current protection	35 Amps
Derated	Yes
Can derate	Yes
Derated voltage	208 V

Dimensions & Weight

Hgt	33 in.	Len	83 in.	Wth	45 in.
Weight with factory installed options	635 lbs.				
Field installed accessory weight	95.0 lbs.				

Clearances

Right	24 in.	Front	32 in.	Back	12 in.
Top	72 in.	Bottom	0 in.	Left	24 in.



3 TON

- 13.0 to 13.5 SEER / 11.0 to 11.8 EER

STANDARD FEATURES

- Simplicity® control board is factory installed.
- Units are available in the following configurations: cooling only, cooling with electric heat, and cooling with gas heat. Electric heaters are available as factory-installed options or field-installed accessories.
- Installation time and costs are reduced by easy power and control wiring.
- All units are factory-wired, piped, charged, and tested prior to shipment.
- Factory-installed options are available such as stainless steel heat exchanger, electric heating elements, single enthalpy economizer, high static drive blower motor, coil guard, dirty filter switch, hinged filter door, and toolless access panels further reduce installation costs.
- Convertible airflow design means no panel cutting is required, and no accessory panel is necessary.
- Wide range of indoor airflows using belt and direct drive blowers.
- Grooved copper tubes and enhanced aluminum- fin construction improve heat transfer.
- Gas and electric utility knockouts are provided on unit side and bottom for easy connections.
- Compressor is internally protected against high pressure and temperature.
- Optional factory mounted supply and return air smoke detectors.
- Permanently lubricated condenser and evaporator fan motor bearings need no annual maintenance.
- Durable finish, made of powder-painted, galvanized steel to meet ASTM-B-117 1000-hour salt-spray test demands.
- Full-perimeter base rails are permanently attached to provide a solid unit foundation and fork lift access.
- Standard units are shipped with 1" throw-away filters installed, while 2" filters are optional.
- Units installed with heat exchangers are corrosion-resistant, with aluminized or stainless steel tubular construction for durability and long service life.
- Units installed with electric heaters are wired for single point power supply connection.
- Optional BAS factory mounted controls include: York® Simplicity® INTELLI-Comfort™, Novar® ETC-3, Honeywell W7750C, Johnson Control YK-UNT-1126, and Computer Process Controls Model 810-3060 ARTC.
- Optional single input electronic enthalpy economizer includes a slide-in / plug-in damper assembly with fully modulating spring-return motor actuator capable of introducing up to 100% outdoor air with nominal 1% leakage type dampers.
- Complete line of field-installed accessories, propane and high-altitude conversion kits, motorized dampers, single enthalpy economizers, and dual enthalpy sensors are available.





Sunline 3-6 Ton
DJ - 13 SEER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 11

Order No:

Project Name: **Mental Health Center**

Model #: **DJ036N08N2SAA2**

Quantity: **1** Tag #: **RTU-4**

System: **DJ036N08N2SAA2**

FACTORY WARRANTY

- Five-Year Limited Warranty On Compressor
- Ten-Year Heat Exchanger Warranty
- One-Year Warranty all other parts

Factory Installed Options

DJ036N08N2SAA2

Product Category:	D	Single Packaged R-22 Air Conditioner
Product Identifier:	J	13 SEER
Nominal Cooling Capacity:	036	3 Ton
Heat Type and Nominal Heat Capacity:	N08	80 MBH Output Aluminized Steel, 1 Stage (036, 048)
Airflow:	N	Belt Drive
Voltage:	2	208/230-3-60
Installation Options:	S	Powered Convenience Outlet (110 VAC)
Additional Options:	AA	
Product Generation:	2	2nd Generation

Field Installed Accessories

- 1FA0403 - KIT, MANUAL DAMPER, 3-6T R:A (9.0 lbs)
- 1RC0434 - Roof Curb 14" 3-6 Ton (86.0 lbs)



Affinity

DNZ - 13 SEER Single Pkg. G/E R-410A AC
YAC

Date: 3/25/2009 Page: 12

Order No:

Project Name: **Mental Health Center**

Model #: **D2NZ024N03606**

Quantity: 1 Tag #: RTU-5

System: **D2NZ024N03606**

Cooling Performance

Total capacity	22.35 MBH
Sensible capacity	14.85 MBH
Refrigerant type	R410A
Efficiency (at ARI)	13.20 EER
Ambient DB temp.	95 °F
Entering DB temp.	80 °F
Entering WB temp.	67 °F
Leaving DB temp.	58.93 °F
Leaving WB temp.	56.04 °F
Sound power	77 dB(A)
Elevation	0 ft.

Heating Performance

Entering DB temp.	65.00 °F
Heating output capacity (Max)	36 MBH
Leaving DB temp.	65.00 °F
Stages	1

Supply Air Blower Performance

Supply air	650 CFM
Ext. static pressure	0.74 IWG
Unit static resistance	0.01 IWG
Blower speed description	Med
Duct location	Bottom
Motor rating	0.50 HP
Actual required BHP	0.50 HP
Power input	0.23 kW

Electrical Data

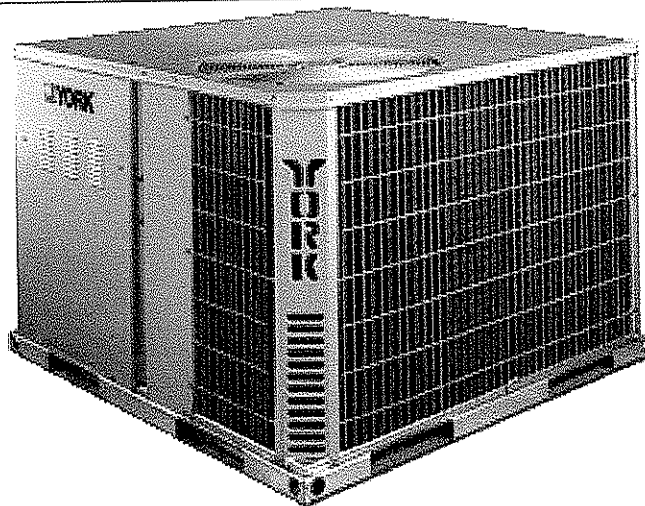
Power supply	208-1-60
Min circuit ampacity	21.30 Amps
Max over-current protection	30 Amps
Derated	Yes
Can derate	Yes
Derated voltage	208 V

Dimensions & Weight

Hgt	34.016 in.	Len	48.992 in.	Wth	47.008 in.
Weight with factory installed options	360 lbs.				
Field installed accessory weight	141.0 lbs.				

Clearances

Right	12 in.	Front	36 in.	Back	0 in.
Top	36 in.	Bottom	0 in.	Left	24 in.



2 TON

- 13.0 to 13.5 SEER / 11.1 to 11.8 EER / 80% AFUE

Standard Features

- R410A Refrigerant
- Low and high pressure switches on all products.
- High efficient rifled tube with enhanced fin condenser and evaporator coils.
- Internal Compressor protection (temperature and pressure)
- Standard cooling operation down to 45° F (Low Ambient Kit TO 0° F available)
- Refrigerant system strainer.
- Single or two stage gas heat.
- Blow thru heat exchanger design with aluminized steel tubes.
- Induced draft post-purge gas control logic.
- Reliable spark to pilot ignition.
- Igniton control provides a red LED for diagnostic error codes.
- Compact size cabinet with single footprint.
- Bottom and/or side electrical and gas utility connections.
- Top discharge condenser air design with flush mounted grille guard.
- Full perimeter, removable base rails with built in rigging and shipping provisions.
- Heavy guage galvanized steel cabinet with a painted finish which has industry leading 1000 hour salt spray rating per ASTM-B117 Federal Testing Standards.
- Easily field convertible from side to bottom discharge. No other accessory needed.
- Attractive cabinet design with single piece "watershed" top cover and drip edge to extend cabinet life and deter water collection.
- Factory installed, attractive protection condenser coil grille.
- Foil face insulation which does not emit fibers inot air stream.
- Permanently Lubricated Condenser and Evaporator Fan Motor bearings need no annual maintenance.
- Slide out blower assembly with multi-speed (5) direct drive motors on all models.
- Non-Corrosive Condensate Pan internally sloped to meet strict requirements of ASHRAE 62-89 indoor Air Quality Standard
- Rigid mounted, protected refrigerant access ports externally accessible.
- Both numbered and colored wires
- All three phase models have built in filter rack with cleanable filters and 75VA Transformer with resettable circuit breaker.





Affinity

DNZ - 13 SEER Single Pkg. G/E R-410A AC
YAC

Date: 3/25/2009 Page: 13

Order No:

Project Name: **Mental Health Center**

Model #: **D2NZ024N03606**

Quantity: 1 Tag #: **RTU-5**

System: **D2NZ024N03606**

Location

- Units may be installed on combustible floors made from wood or class A, B, or C roof covering material.
- Units must be installed outdoors. Overhanging structures or shrubs should not obstruct condenser air discharge outlet.
- Locate the unit so that the vent hood outlet is at least: 3 feet above any forced air inlet located within 10 horizontal feet (excluding those integral to the unit); 4 feet below, 4 horizontal feet from, or 1 foot above any door or gravity air inlet to the building; 4 feet from electric meters, gas meters, regulators and relief equipment.
- A 1 inch clearance must be provided between any combustible material and the supply air ductwork for a distance of 3 feet from the unit. The products of combustion must not be allowed to accumulate within a confined space and re-circulate.

Factory Warranty on 1 Phase Units:

- Ten-Year Warranty on the Compressor
- 20-Year warranty on the heat exchanger
- Five-Year Limited Warranty on all other parts

Factory Warranty on 3 Phase Units:

- Five-Year Limited Warranty On Compressor
- 20-Year warranty on the heat exchanger
- One-Year Warranty all other parts

Factory Installed Options

D2NZ024N03606

Product Category:	D	Single Packaged R-410A Air Conditioner
Product Generation:	2	2nd Generation
Product Identifier:	NZ	13 SEER
Nominal Cooling Capacity:	024	2 Ton
Factory Installed Gas Heat:	N	Natural Gas Heat Aluminized Steel, 1 Stage
Nominal Gas Heating Output Capacity:	036	36,000 BTUH
Voltage:	06	208/230-1-60

Field Installed Accessories

- 1FF0110 - FILTER FRAME KIT - S.P.P. (2.0 lbs)
- 1RC0463 - 14" ROOF CURB (75.0 lbs)
- 2EC04700524 - SINGLE ENTHALPY SENSOR KIT (1.0 lbs)
- 2EC04700924 - DUAL ENTHALPY SENSOR KIT (1.0 lbs)
- 2EC06700124 - SINGLE TRANSFORMER KIT - S.P.P. (2.0 lbs)
- 2EE04703124 - S.P.P. ECONO - SINGLE BLADE (60.0 lbs)



Affinity

DNZ - 13 SEER Single Pkg. G/E R-410A AC
YAC

Date: 3/25/2009 Page: 14

Order No:

Project Name: **Mental Health Center**

Model #: **D2NZ024N03606**

Quantity: **1** Tag #: **RTU-6**

System: **D2NZ024N03606**

Cooling Performance

Total capacity	22.8 MBH
Sensible capacity	16.3 MBH
Refrigerant type	R410A
Efficiency (at ARI)	13.20 EER
Ambient DB temp.	95 °F
Entering DB temp.	80 °F
Entering WB temp.	67 °F
Leaving DB temp.	61.21 °F
Leaving WB temp.	58.07 °F
Sound power	77 dB(A)
Elevation	0 ft.

Heating Performance

Entering DB temp.	65.00 °F
Heating output capacity (Max)	36 MBH
Leaving DB temp.	65.00 °F
Stages	1

Supply Air Blower Performance

Supply air	800 CFM
Ext. static pressure	0.65 IWG
Unit static resistance	0.02 IWG
Blower speed description	Med/Hi
Duct location	Bottom
Motor rating	0.50 HP
Actual required BHP	0.50 HP
Power input	0.27 kW

Electrical Data

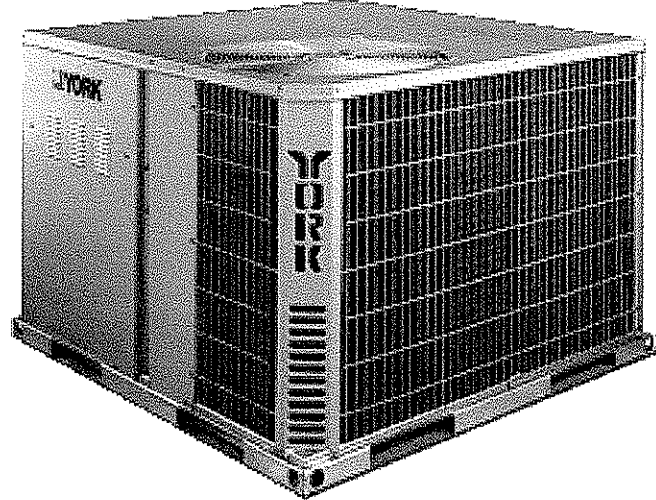
Power supply	230-1-60
Min circuit ampacity	21.30 Amps
Max over-current protection	30 Amps
Can derate	Yes
Derated voltage	208 V

Dimensions & Weight

Hgt	34.016 in.	Len	48.992 in.	Wth	47.008 in.
Weight with factory installed options	360 lbs.				
Field installed accessory weight	87.0 lbs.				

Clearances

Right	12 in.	Front	36 in.	Back	0 in.
Top	36 in.	Bottom	0 in.	Left	24 in.



2 TON

- 13.0 to 13.5 SEER / 11.1 to 11.8 EER / 80% AFUE

Standard Features

- R410A Refrigerant
- Low and high pressure switches on all products.
- High efficient rifled tube with enhanced fin condenser and evaporator coils.
- Internal Compressor protection (temperature and pressure)
- Standard cooling operation down to 45° F (Low Ambient Kit TO 0° F available)
- Refrigerant system strainer.
- Single or two stage gas heat.
- Blow thru heat exchanger design with aluminized steel tubes.
- Induced draft post-purge gas control logic.
- Reliable spark to pilot ignition.
- Igniton control provides a red LED for diagnostic error codes.
- Compact size cabinet with single footprint.
- Bottom and/or side electrical and gas utility connections.
- Top discharge condenser air design with flush mounted grille guard.
- Full perimeter, removable base rails with built in rigging and shipping provisions.
- Heavy guage galvanized steel cabinet with a painted finish which has industry leading 1000 hour salt spray rating per ASTM-B117 Federal Testing Standards.
- Easily field convertible from side to bottom discharge. No other accessory needed.
- Attractive cabinet design with single piece "watershed" top cover and drip edge to extend cabinet life and deter water collection.
- Factory installed, attractive protection condenser coil grille.
- Foil face insulation which does not emit fibers inot air stream.
- Permanently Lubricated Condenser and Evaporator Fan Motor bearings need no annual maintenance.
- Slide out blower assembly with multi-speed (5) direct drive motors on all models.
- Non-Corrosive Condensate Pan internally sloped to meet strict requirements of ASHRAE 62-89 Indoor Air Quality Standard
- Rigid mounted, protected refrigerant access ports externally accessible.
- Both numbered and colored wires
- All three phase models have built in filter rack with cleanable filters and 75VA Transformer with resettable circuit breaker.





Affinity

DNZ - 13 SEER Single Pkg. G/E R-410A AC
YAC

Date: 3/25/2009 Page: 15

Order No:

Project Name: **Mental Health Center**

Model #: **D2NZ024N03606**

Quantity: **1** Tag #: **RTU-6**

System: **D2NZ024N03606**

Location

- Units may be installed on combustible floors made from wood or class A, B, or C roof covering material.
- Units must be installed outdoors. Overhanging structures or shrubs should not obstruct condenser air discharge outlet.
- Locate the unit so that the vent hood outlet is at least: 3 feet above any forced air inlet located within 10 horizontal feet (excluding those integral to the unit); 4 feet below, 4 horizontal feet from, or 1 foot above any door or gravity air inlet to the building; 4 feet from electric meters, gas meters, regulators and relief equipment.
- A 1 inch clearance must be provided between any combustible material and the supply air ductwork for a distance of 3 feet from the unit. The products of combustion must not be allowed to accumulate within a confined space and re-circulate.

Factory Warranty on 1 Phase Units:

- Ten-Year Warranty on the Compressor
- 20-Year warranty on the heat exchanger
- Five-Year Limited Warranty on all other parts

Factory Warranty on 3 Phase Units:

- Five-Year Limited Warranty On Compressor
- 20-Year warranty on the heat exchanger
- One-Year Warranty all other parts

Factory Installed Options

D2NZ024N03606

Product Category:	D	Single Packaged R-410A Air Conditioner
Product Generation:	2	2nd Generation
Product Identifier:	NZ	13 SEER
Nominal Cooling Capacity:	024	2 Ton
Factory Installed Gas Heat:	N	Natural Gas Heat Aluminized Steel, 1 Stage
Nominal Gas Heating Output Capacity:	036	36,000 BTUH
Voltage:	06	208/230-1-60

Field Installed Accessories

- 1FA0406 - MANUAL O.D.A. DAMPER (10.0 lbs)
- 1FF0110 - FILTER FRAME KIT - S.P.P. (2.0 lbs)
- 1RC0463 - 14" ROOF CURB (75.0 lbs)



Predator 6.5-12.5 Ton

DF - 10.4 to 10.5 EER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 16

Order No:

Project Name: **Mental Health Center**

Model #: **DF090N15Q2SAA4**

Quantity: **1** Tag #: **RTU-7**

System: **DF090N15Q2SAA4**

Cooling Performance

Total capacity	92.4 MBH
Sensible capacity	68.3 MBH
Refrigerant type	R22
Efficiency (at ARI)	10.50 EER
Ambient DB temp.	95 °F
Entering DB temp.	80 °F
Entering WB temp.	67 °F
Leaving DB temp.	59.01 °F
Leaving WB temp.	57.27 °F
Part load efficiency	11.6 IPLV
Sound power	84 dB(A)
Elevation	0 ft.

Heating Performance

Entering DB temp.	65.00 °F
Heating output capacity (Max)	150 MBH
Heating input capacity (Max)	180 MBH
Leaving DB temp.	109.44 °F
Air temp. rise	44.44 °F
SSE	80.0 %

Supply Air Blower Performance

Supply air	3000 CFM
Ext. static pressure	0.75 IWG
Unit static resistance	0.20 IWG
Blower speed	1304.00 RPM
Duct location	Bottom
Motor rating	3.00 HP
Actual required BHP	2.12 HP
Power input	1.98 kW

Electrical Data

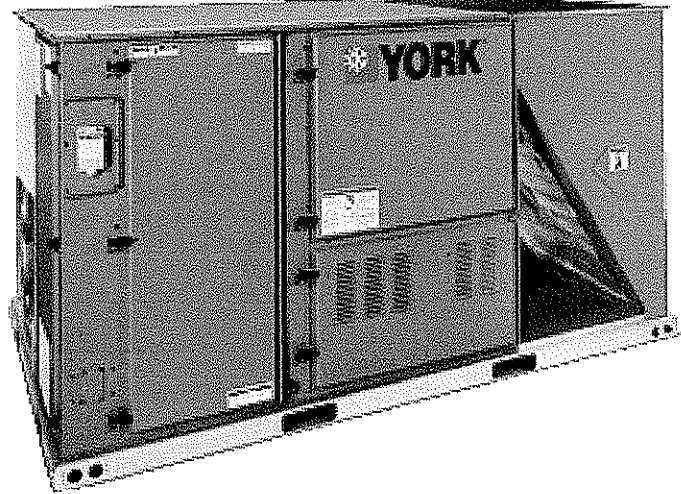
Power supply	208-3-60
Min circuit ampacity	58.20 Amps
Max over-current protection	70 Amps
Derated	Yes
Can derate	Yes
Derated voltage	208 V

Dimensions & Weight

Hgt	42 in.	Len	89 in.	Wth	59 in.
Weight with factory installed options	1125 lbs.				
Field installed accessory weight	136.0 lbs.				

Clearances

Right	12 in.	Front	36 in.	Back	36 in.
Top	72 in.	Bottom	0 in.	Left	36 in.



7.5 TON

- 10.4 - 10.5 EER

STANDARD FEATURES

- COMPLETE FACTORY PACKAGE - TESTED, CHARGED, WIRED
- Two-Stage Heating with Spark Ignition
- Hermetically Sealed Compressor
- Simplicity® Controls
- Adjustable Belt Drive Blower
- Solid Core Liquid Line Filter Driers
- Two-Stage Cooling with Independent Circuits and Face-Split Evaporator Coil
- Induced Draft with Post Purge Logic on Gas Fired Units
- Bottom or Side Duct Connections
- Low Voltage Relay Board with Terminal Strip
- Crankcase Heaters
- Solid State Control Board with Flash Code to Monitor System Operation
- Slide-out Condensate Drain Pan
- Hinged Access Panels
- Slide-out Blower/ Motor Assembly
- Low Ambient to 0° F
- Compressor Anti-Recycle Protection
- Plug-Type Wiring Harness Connectors for Economizers
- Permanently Lubricated Motors
- 24 Volt Control Circuit with Compressor Lock Out Protection
- High Pressure, Low Pressure and Freezestat Controls
- Copper Tube/ Aluminum Fin Coils
- Easy access to all electrical components
- Rigging holes and forklift slots in base rails for lifting
- Single Point Power Connection Standards
- Powder Paint Finish that meets ASTM-B117 1000 hr. salt spray test standards
- CSA Agency Approval on all Units

FACTORY WARRANTY

- One-Year Limited Parts Warranty on the Complete Unit
- Four Additional Years Warranty on the Compressor
- Nine Additional Years Warranty on the Gas Fired Heat Exchanger



ARI Standard 340/350
Commercial and Industrial Unitary
Air Conditioning Equipment





YORK[®]

Predator 6.5-12.5 Ton

DF - 10.4 to 10.5 EER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 17

Order No:

Project Name: **Mental Health Center**

Model #: **DF090N15Q2SAA4**

Quantity: **1** Tag #: **RTU-7**

System: **DF090N15Q2SAA4**

Factory Installed Options

DF090N15Q2SAA4

Product Category:	D	Single Packaged R-22 Air Conditioner
Product Identifier:	F	10.4 EER
Nominal Cooling Capacity:	090	7.5 Ton
Heat Type and Nominal Heat Capacity:	N15	150 MBH Output Aluminized Steel
Airflow:	Q	High Static Motor/Economizer/Power Exhaust (Downflow only)
Voltage:	2	208/230-3-60
Installation Options:	S	Powered Convenience Outlet (110 VAC)
Additional Options:	AA	
Product Generation:	4	4th Generation

Field Installed Accessories

- 1RC0471 - 14" HIGH
PREDATOR ROOF CURB
(135.0 lbs)
- 2EC04700924 - DUAL
ENTHALPY SENSOR KIT (1.0
lbs)



Sunline 3-6 Ton

DJ - 13 SEER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 18

Order No:

Project Name: **Mental Health Center**

Model #: **DJ036N08N2SAA2**

Quantity: **1** Tag #: **RTU-8**

System: **DJ036N08N2SAA2**

Cooling Performance

Total capacity	37.0 MBH
Sensible capacity	26.0 MBH
Refrigerant type	R22
Seasonal Efficiency (at ARI)	13.50 SEER
Efficiency (at ARI)	11.65 EER
Ambient DB temp.	95 °F
Entering DB temp.	80 °F
Entering WB temp.	67 °F
Leaving DB temp.	60.02 °F
Leaving WB temp.	57.23 °F
Sound power	84 dB(A)
Elevation	0 ft.

Heating Performance

Entering DB temp.	65.00 °F
Heating output capacity (Max)	80 MBH
Heating input capacity (Max)	100 MBH
Leaving DB temp.	125.96 °F
Air temp. rise	60.96 °F
AFUE	80.5 %
SSE	80.8 %
Stages	1

Supply Air Blower Performance

Supply air	1200 CFM
Ext. static pressure	0.75 IWG
Blower speed	951.50 RPM
Duct location	Bottom
Motor rating	1.50 HP
Actual required BHP	0.64 HP
Power input	0.59 kW

Electrical Data

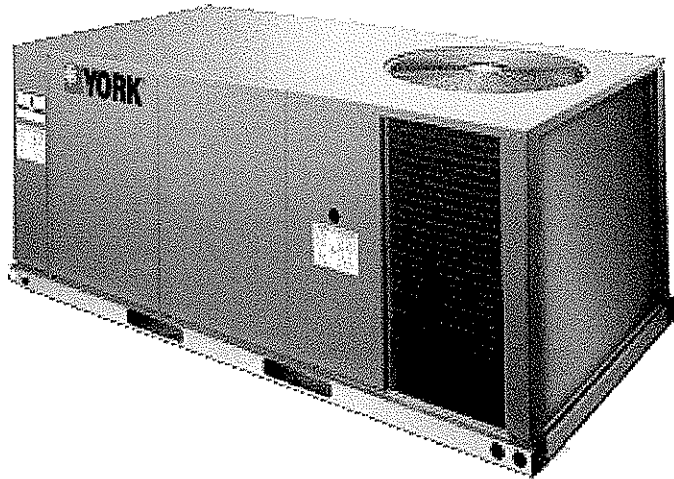
Power supply	208-3-60
Min circuit ampacity	28.30 Amps
Max over-current protection	35 Amps
Derated	Yes
Can derate	Yes
Derated voltage	208 V

Dimensions & Weight

Hgt	33 in.	Len	83 in.	With	45 in.
Weight with factory installed options	635 lbs.				
Field installed accessory weight	95.0 lbs.				

Clearances

Right	24 in.	Front	32 in.	Back	12 in.
Top	72 in.	Bottom	0 in.	Left	24 in.



3 TON

- 13.0 to 13.5 SEER / 11.0 to 11.8 EER

STANDARD FEATURES

- Simplicity® control board is factory installed.
- Units are available in the following configurations: cooling only, cooling with electric heat, and cooling with gas heat. Electric heaters are available as factory-installed options or field-installed accessories.
- Installation time and costs are reduced by easy power and control wiring.
- All units are factory-wired, piped, charged, and tested prior to shipment.
- Factory-installed options are available such as stainless steel heat exchanger, electric heating elements, single enthalpy economizer, high static drive blower motor, coil guard, dirty filter switch, hinged filter door, and toolless access panels further reduce installation costs.
- Convertible airflow design means no panel cutting is required, and no accessory panel is necessary.
- Wide range of indoor airflows using belt and direct drive blowers.
- Grooved copper tubes and enhanced aluminum- fin construction improve heat transfer.
- Gas and electric utility knockouts are provided on unit side and bottom for easy connections.
- Compressor is internally protected against high pressure and temperature.
- Optional factory mounted supply and return air smoke detectors.
- Permanently lubricated condenser and evaporator fan motor bearings need no annual maintenance.
- Durable finish, made of powder-painted, galvanized steel to meet ASTM-B-117 1000-hour salt-spray test demands.
- Full-perimeter base rails are permanently attached to provide a solid unit foundation and fork lift access.
- Standard units are shipped with 1" throw-away filters installed, while 2" filters are optional.
- Units installed with heat exchangers are corrosion-resistant, with aluminized or stainless steel tubular construction for durability and long service life.
- Units installed with electric heaters are wired for single point power supply connection.
- Optional BAS factory mounted controls include: York® Simplicity® INTELLI-Comfort™, Novar® ETC-3, Honeywell W7750C, Johnson Control YK-UNT-1126, and Computer Process Controls Model 810-3060 ARTC.
- Optional single input electronic enthalpy economizer includes a slide-in / plug-in damper assembly with fully modulating spring-return motor actuator capable of introducing up to 100% outdoor air with nominal 1% leakage type dampers.
- Complete line of field-installed accessories, propane and high-altitude conversion kits, motorized dampers, single enthalpy economizers, and dual enthalpy sensors are available.





Sunline 3-6 Ton
DJ - 13 SEER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 19

Order No:

Project Name: **Mental Health Center**

Model #: **DJ036N08N2SAA2**

Quantity: **1** Tag #: **RTU-8**

System: **DJ036N08N2SAA2**

FACTORY WARRANTY

- Five-Year Limited Warranty On Compressor
- Ten-Year Heat Exchanger Warranty
- One-Year Warranty all other parts

Factory Installed Options

DJ036N08N2SAA2

Product Category:	D	Single Packaged R-22 Air Conditioner
Product Identifier:	J	13 SEER
Nominal Cooling Capacity:	036	3 Ton
Heat Type and Nominal Heat Capacity:	N08	80 MBH Output Aluminized Steel, 1 Stage (036, 048)
Airflow:	N	Belt Drive
Voltage:	2	208/230-3-60
Installation Options:	S	Powered Convenience Outlet (110 VAC)
Additional Options:	AA	
Product Generation:	2	2nd Generation

Field Installed Accessories

- 1FA0403 - KIT,MANUAL DAMPER,3-6T R:A (9.0 lbs)
- 1RC0434 - Roof Curb 14" 3-6 Ton (86.0 lbs)



YORK®

Predator 6.5-12.5 Ton

DF - 10.4 to 10.5 EER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 20

Order No:

Project Name: **Mental Health Center**

Model #: **DF078N10Q2SAA3**

Quantity: 1 Tag #: **RTU-9**

System: **DF078N10Q2SAA3**

Cooling Performance

Total capacity	75.82 MBH
Sensible capacity	55.47 MBH
Refrigerant type	R22
Efficiency (at ARI)	10.40 EER
Ambient DB temp.	95 °F
Entering DB temp.	80 °F
Entering WB temp.	67 °F
Leaving DB temp.	58.69 °F
Leaving WB temp.	56.97 °F
Part load efficiency	11 IPLV
Sound power	84 dB(A)
Elevation	0 ft.

Heating Performance

Entering DB temp.	65.00 °F
Heating output capacity (Max)	100 MBH
Heating input capacity (Max)	120 MBH
Leaving DB temp.	102.04 °F
Air temp. rise	37.04 °F
SSE	80.0 %

Supply Air Blower Performance

Supply air	2400 CFM
Ext. static pressure	0.75 IWG
Unit static resistance	0.03 IWG
Blower speed	848.4 RPM
Duct location	Bottom
Motor rating	2.00 HP
Actual required BHP	1.15 HP
Power input	1.08 kW

Electrical Data

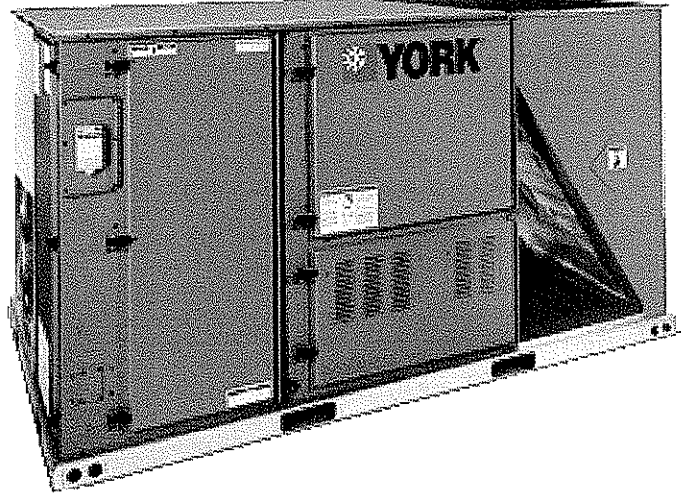
Power supply	208-3-60
Min circuit ampacity	50.60 Amps
Max over-current protection	60 Amps
Derated	Yes
Can derate	Yes
Derated voltage	208 V

Dimensions & Weight

Hgt	51 in.	Len	89 in.	Wth	59 in.
Weight with factory installed options	1298 lbs.				
Field installed accessory weight	136.0 lbs.				

Clearances

Right	12 in.	Front	36 in.	Back	36 in.
Top	72 in.	Bottom	0 in.	Left	36 in.



6.5 TON

- 10.4 - 10.5 EER

STANDARD FEATURES

- COMPLETE FACTORY PACKAGE - TESTED, CHARGED, WIRED
- Two-Stage Heating with Spark Ignition
- Hermetically Sealed Compressor
- Simplicity® Controls
- Adjustable Belt Drive Blower
- Solid Core Liquid Line Filter Driers
- Two-Stage Cooling with Independent Circuits and Face-Split Evaporator Coil
- Induced Draft with Post Purge Logic on Gas Fired Units
- Bottom or Side Duct Connections
- Low Voltage Relay Board with Terminal Strip
- Crankcase Heaters
- Solid State Control Board with Flash Code to Monitor System Operation
- Slide-out Condensate Drain Pan
- Hinged Access Panels
- Slide-out Blower/ Motor Assembly
- Low Ambient to 0° F
- Compressor Anti-Recycle Protection
- Plug-Type Wiring Harness Connectors for Economizers
- Permanently Lubricated Motors
- 24 Volt Control Circuit with Compressor Lock Out Protection
- High Pressure, Low Pressure and Freezstat Controls
- Copper Tube/ Aluminum Fin Coils
- Easy access to all electrical components
- Rigging holes and forklift slots in base rails for lifting
- Single Point Power Connection Standards
- Powder Paint Finish that meets ASTM-B117 1000 hr. salt spray test standards
- CSA Agency Approval on all Units

FACTORY WARRANTY

- One-Year Limited Parts Warranty on the Complete Unit
- Four Additional Years Warranty on the Compressor
- Nine Additional Years Warranty on the Gas Fired Heat Exchanger



ARI Standard 500266
Commercial and Institutional
Air Conditioning Equipment





Predator 6.5-12.5 Ton
 DF - 10.4 to 10.5 EER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 21

Order No:

Project Name: **Mental Health Center**

Model #: **DF078N10Q2SAA3**

Quantity: 1 Tag #: RTU-9

System: **DF078N10Q2SAA3**

Factory Installed Options

DF078N10Q2SAA3

Product Category:	D	Single Packaged R-22 Air Conditioner
Product Identifier:	F	10.4 EER
Nominal Cooling Capacity:	078	6.5 Ton
Heat Type and Nominal Heat Capacity:	N10	100 MBH Output Aluminized Steel
Airflow:	Q	High Static Motor/Economizer/Power Exhaust (Downflow only)
Voltage:	2	208/230-3-60
Installation Options:	S	Powered Convenience Outlet (110 VAC)
Additional Options:	AA	
Product Generation:	3	3rd Generation

Field Installed Accessories

- 1RC0471 - Roof Curb, 14" Height (135.0 lbs)
- 2EC04700924 - Dual Enthalpy Sensor - (When ordering a 2-5 ton residential packaged unit, must also order 2EC04700524) (1.0 lbs)



Sunline 3-6 Ton

DJ - 13 SEER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 22

Order No:

Project Name: **Mental Health Center**

Model #: **DJ060N08N2SAA3**

Quantity: **1** Tag #: **RTU-10**

System: **DJ060N08N2SAA3**

Cooling Performance

Total capacity	62.5 MBH
Sensible capacity	45.5 MBH
Refrigerant type	R22
Seasonal Efficiency (at ARI)	13.00 SEER
Efficiency (at ARI)	11.20 EER
Ambient DB temp.	95 °F
Entering DB temp.	80 °F
Entering WB temp.	67 °F
Leaving DB temp.	59.02 °F
Leaving WB temp.	57.18 °F
Sound power	81 dB(A)
Elevation	0 ft.

Heating Performance

Entering DB temp.	65 °F
Heating output capacity (Max)	80 MBH
Heating input capacity (Max)	100 MBH
Leaving DB temp.	101.57 °F
Air temp. rise	36.57 °F
AFUE	80.5 %
SSE	80.8 %
Stages	1

Supply Air Blower Performance

Supply air	2000 CFM
Ext. static pressure	0.75 IWG
Blower speed	1151.00 RPM
Duct location	Bottom
Motor rating	1.50 HP
Actual required BHP	1.20 HP
Power input	1.12 kW

Electrical Data

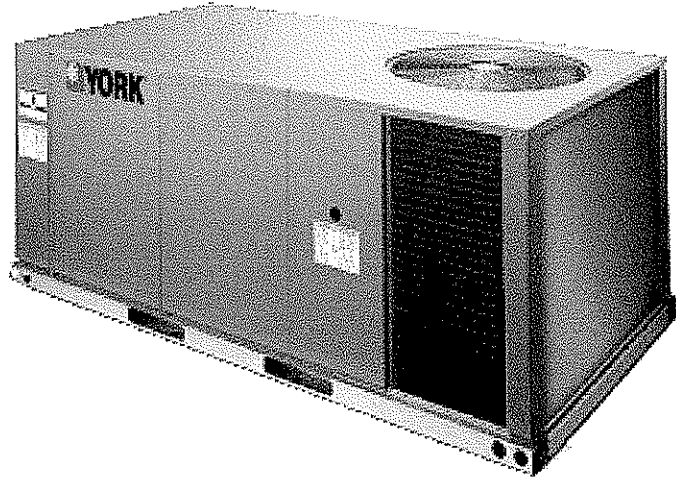
Power supply	208-3-60
Min circuit ampacity	39.10 Amps
Max over-current protection	40 Amps
Derated	Yes
Can derate	Yes
Derated voltage	208 V

Dimensions & Weight

Hgt	33 in.	Len	83 in.	With	45 in.
Weight with factory installed options	650 lbs.				
Field installed accessory weight	95.0 lbs.				

Clearances

Right	24 in.	Front	32 in.	Back	12 in.
Top	72 in.	Bottom	0 in.	Left	24 in.



5 TON

- 13.0 to 13.5 SEER / 11.0 to 11.8 EER

STANDARD FEATURES

- Simplicity® control board is factory installed.
- Units are available in the following configurations: cooling only, cooling with electric heat, and cooling with gas heat. Electric heaters are available as factory-installed options or field-installed accessories.
- Installation time and costs are reduced by easy power and control wiring.
- All units are factory-wired, piped, charged, and tested prior to shipment.
- Factory-installed options are available such as stainless steel heat exchanger, electric heating elements, single enthalpy economizer, high static drive blower motor, coil guard, dirty filter switch, hinged filter door, and toolless access panels further reduce installation costs.
- Convertible airflow design means no panel cutting is required, and no accessory panel is necessary.
- Wide range of indoor airflows using belt and direct drive blowers.
- Grooved copper tubes and enhanced aluminum- fin construction improve heat transfer.
- Gas and electric utility knockouts are provided on unit side and bottom for easy connections.
- Compressor is internally protected against high pressure and temperature.
- Optional factory mounted supply and return air smoke detectors.
- Permanently lubricated condenser and evaporator fan motor bearings need no annual maintenance.
- Durable finish, made of powder-painted, galvanized steel to meet ASTM-B-117 1000-hour salt-spray test demands.
- Full-perimeter base rails are permanently attached to provide a solid unit foundation and fork lift access.
- Standard units are shipped with 1" throw-away filters installed, while 2" filters are optional.
- Units installed with heat exchangers are corrosion-resistant, with aluminized or stainless steel tubular construction for durability and long service life.
- Units installed with electric heaters are wired for single point power supply connection.
- Optional BAS factory mounted controls include: York® Simplicity® INTELLI-Comfort™, Novar® ETC-3, Honeywell W7750C, Johnson Control YK-UNT-1126, and Computer Process Controls Model 810-3060 ARTC.
- Optional single input electronic enthalpy economizer includes a slide-in / plug-in damper assembly with fully modulating spring-return motor actuator capable of introducing up to 100% outdoor air with nominal 1% leakage type dampers.
- Complete line of field-installed accessories, propane and high-altitude conversion kits, motorized dampers, single enthalpy economizers, and dual enthalpy sensors are available.





Sunline 3-6 Ton
DJ - 13 SEER Single Pkg. R-22 AC

Date: 3/25/2009 Page: 23
Order No:

Project Name: **Mental Health Center**

Model #: **DJ060N08N2SAA3**

Quantity: **1** Tag #: **RTU-10**

System: **DJ060N08N2SAA3**

FACTORY WARRANTY

- Five-Year Limited Warranty On Compressor
- Ten-Year Heat Exchanger Warranty
- One-Year Warranty all other parts

Factory Installed Options

DJ060N08N2SAA3

Product Category:	D	Single Packaged R-22 Air Conditioner
Product Identifier:	J	13 SEER
Nominal Cooling Capacity:	060	5 Ton
Heat Type and Nominal Heat Capacity:	N08	80 MBH Output Aluminized Steel, 1 Stage (036, 048)
Airflow:	N	Belt Drive
Voltage:	2	208/230-3-60
Installation Options:	S	Powered Convenience Outlet (110 VAC)
Additional Options:	AA	
Product Generation:	3	3rd Generation

Field Installed Accessories

- 1FA0403 - KIT,MANUAL DAMPER,3-6T R:A (9.0 lbs)
- 1RC0434 - Roof Curb 14" 3-6 Ton (86.0 lbs)