

## NOTICE OF COMMITTEE MEETING

**COMMITTEE:** EXECUTIVE COMMITTEE

**PLACE:** COUNTY BOARD ROOM – SECOND FLOOR, ONEIDA COUNTY COURTHOUSE  
ZOOM CALL-IN OPTION – 1-312-626-6799  
Meeting ID: 858 7476 9933 Passcode: 772302

**\*\* If you are having difficulties with zoom please call the County Clerk's Office at 715-369-6125. Zoom is being offered as a convenience for this meeting. If zoom functionality drops, the meeting will continue in-person at the location listed above.**

**DATE:** WEDNESDAY, APRIL 22, 2026 **TIME:** 8:30 AM

The Executive Committee consists of a quorum of County Board Supervisors that also sit on the County Facilities Committee and Public Safety Committee, however, those committees will not take any formal action at this meeting. It is possible that a quorum of county board members will be at this meeting to gather information about a subject over which they have decision-making responsibility. This constitutes a meeting of the County Board pursuant to State ex rel Badke v. Greendale Village Board, Wis 2d 553, 494 n.w.2d 408 (1993), and must be noticed as such, although the County Board will not take any formal actions at this meeting. It is also possible that there may be quorums of other County Board Committees present, although those committees will not take any formal action at this meeting.

### ALL AGENDA ITEMS ASSUMED TO BE DISCUSSION/DECISION ITEMS

#### AGENDA:

1. Call to order and Chairperson's announcements.
2. Approve agenda for today's meeting (order of agenda items at Chairperson's discretion).
3. Public comment
4. Elect Vice-Chair
5. Overlap Training Request – Juvenile Clerk/Assistant Register in Probate
6. Monthly reports (including invoices paid, budget to actual) and department updates:
  - a. LRES
    - LRES Monthly Update
  - b. Finance
    - Sales Tax by Month Report
  - c. ITS
    - IT Planning update
  - d. Treasurer
  - e. County Clerk
7. Public comment
8. Dates and items for future agenda/meetings
9. Closed Session - It is anticipated that a motion will be made, seconded, and approved by roll call vote to enter into closed session pursuant Section 19.85(1) (e), Wisconsin Stats., "Deliberating or negotiating the purchasing of public properties, the investing of public funds, or conducting other specified public business, whenever competitive or bargaining reasons require a closed session". (Topic: Koinonia Lease). A roll call vote will be taken to go into closed session and it is anticipated that the Committee will return to open session by roll call vote to consider the remainder of the meeting agenda.
10. Announcement of action taken in closed session, or take action based on closed session (NOTE: If the announcement of action taken in closed session would compromise the need for the closed session, the action taken will not be announced. Any action taken in closed session may be announced when the need for the closed session has passed).
11. Koinonia (Winnebago Street) – Project Request List
12. Adjourn

Notice of Posting	Time 4:30 p.m.	Date: 04/17/2026	Place: Courthouse Bulletin Board
Billy Fried, Chair	Notice posted by: Tracy Hartman, County Clerk		
Notice posted by chief presiding officer or his/her designee. Additional information on a specific agenda item may be obtained by contacting the person who posted this notice at 715-369-6125.			
News Media Notified via Mail/Fax/Email:	Time 4:30 p.m.	Date: 04/17/2026	
Northwoods River News	The Lakeland Times	North Star Journal	WPEG
WJFW TV Channel 12	NRG Media	WYCE Radio	Sunlight Report

Notice is hereby further given that pursuant to the Americans with Disabilities Act reasonable accommodations will be provided for qualified individuals with disabilities upon request. Please call Tracy Hartman at (715) 369-6125 with specific information on your request allowing adequate time to respond to your request.

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See reverse side of this notice for compliance checklist with the Wisconsin Open Meeting Law.

#### GENERAL REQUIREMENTS:

1. Must be held in a location which is reasonably accessible to the public.
2. Must be open to all members of the public unless the law specifically provides otherwise.

#### NOTICE REQUIREMENTS:

1. In addition to any requirements set forth below, notice must also be in compliance with any other specific statute.
2. Chief presiding officer or his/her designee must give notice to the official newspaper and to any members of the news media likely to give notice to the public.

#### MANNER OF NOTICE:

Date, time, place and subject matter, including subject matter to be considered in a closed session, must be provided in a manner and form reasonably likely to apprise members of the public and news media.

#### TIME FOR NOTICE:

1. Normally, a minimum of 24 hours prior to the commencement of the meeting.
2. No less than 2 hours prior to the meeting if the presiding officer establishes there is good cause that such notice is impossible or impractical.
3. Separate notice for each meeting of the governmental body must be given.

#### EXEMPTIONS FOR COMMITTEES & SUBUNITS

Legally constituted sub-units of a parent governmental body may conduct a meeting during the recess or immediately after the lawful setting to act or deliberate upon the subject which was the subject of the meeting, provided the presiding officer publicly announces the time, place and subject matter of the sub-unit meeting in advance of the meeting of the parent governmental body.

#### PROCEDURE FOR GOING INTO CLOSED SESSION:

1. Motion must be made, seconded and carried by roll call majority vote and recorded in the minutes.
2. If motion is carried, chief presiding officer must advise those attending the meeting of the nature of the

business to be conducted in the closed session, and the specific statutory exemption under which the closed session is authorized.

#### SYNOPSIS OF STATUTORY EXEMPTIONS UNDER WHICH CLOSED SESSIONS ARE PERMITTED:

1. Concerning a case which was the subject of a Judicial or quasi-judicial trial before this governmental body Sec. 19.85(1)(a)

2. Considering dismissal, demotion or discipline of any public employee or the investigation of charges against such person and the taking of formal action on any such matter; provided that the person is given actual notice of any evidentiary hearing which may be held prior to final action being taken and of any meeting at which final action is taken. The person under consideration must be advised of his/her right that the evidentiary hearing be held in open session and the notice of the meeting must state the same. Sec. 19.85(1)(b).

3. Considering employment, promotion, compensation or performance evaluation data of any public employee over which this body has jurisdiction or responsibility. Sec. 19.85(1)(c).

4. Considering strategy for crime detection or prevention. Sec. 19.85(1)(d).

5. Deliberating or negotiating the purchase of public properties, the investing of public funds, or conducting other specified public business whenever competitive or bargaining reasons require a closed session. Sec. 19.85(1)(e).

6. Considering financial, medical, social or personal histories or disciplinary data of specific person, preliminary consideration of specific personnel problems or the investigation of specific charges, which, if discussed in public, would likely have a substantial adverse effect on the reputation of the person referred to in such data. Sec. 19.85(1)(f), except where paragraph 2 applies.

7. Conferring with legal counsel concerning strategy to be adopted by the governmental body with respect to litigation in which it is or is likely to become involved. Sec. 19.85(1)(g).

8. Considering a request for advice from any applicable ethics board. Sec. 19.85(1)(h).

#### PLEASE REFER TO CURRENT STATUTE SECTION 19.85 FOR FULL TEXT

#### CLOSED SESSION RESTRICTIONS:

1. Must convene in open session before going into closed session.
2. May not convene in open session, then convene in closed session and thereafter reconvene in open session within twelve hours unless proper notice of this sequence was given at the same time and in the same manner as the original open meeting.

3. Final approval or ratification of a collective bargaining agreement may not be given in closed session.

4. No business may be taken up at any closed session except that which relates to matters contained in the chief presiding officer's announcement of the closed session.

5. In order for a meeting to be closed under Section 19.85(1)(f) at least one committee member would have to have actual knowledge of information which he or she reasonably believes would be likely to have a substantial adverse effect upon the reputation involved and there must be a probability that such information would be divulged. Thereafter, only that portion of the meeting where such information would be discussed can be closed. The balance of that agenda item must be held in open session.

#### BALLOTS, VOTES AND RECORDS:

1. Secret ballot is not permitted except for the election of officers of the body or unless otherwise permitted by specific statutes.

2. Except as permitted above, any member may require that the vote of each member be ascertained and recorded.

3. Motions and roll call votes must be preserved in the record and be available for public inspection.

#### USE OF RECORDING EQUIPMENT:

The meeting may be recorded, filmed, or photographed, provided that it does not interfere with the conduct of the meeting or the rights of the participants.

#### LEGAL INTERPRETATION:

1. The Wisconsin Attorney General will give advice concerning the applicability or clarification of the Open Meeting Law upon request.

2. The municipal attorney will give advice concerning the applicability or clarification of the Open Meeting Law upon request.

#### PENALTY:

Upon conviction, any member of a governmental body who knowingly attends a meeting held in violation of Subchapter IV, Chapter 19, Wisconsin Statutes, or who otherwise violates the said law shall be subject to forfeiture of not less than \$25.00 nor more than \$300.00 for each violation.

Prepared by Oneida County Corporation Counsel  
Office - 5/16/96

## MEMORANDUM

DATE: April 15, 2026

TO: Executive Committee

FROM: Amy Weinfurter  
Oneida County Register in Probate

RE: Overlap Training Request – Juvenile Clerk/Asst. Reg. in Probate

Lisa Hilgendorf, the Juvenile Clerk/Asst. Register in Probate, will be retiring on August 7, 2026. Overlap training of 160 hours for the position is being requested.

Overlap training will provide the new hire with a good foundation to avoid disruption of court services, and provide assistance to the public and other county offices. There is no formal training offered for the position at either the state or local level. Ms. Hilgendorf will be able to share her wealth of knowledge with the new hire to ensure that there is a smooth transition.

The Probate/Juvenile Office is only a two-person office. Without overlap training, the Register in Probate will be tasked with training the new hire while providing juvenile and probate clerk coverage for both courtrooms, keeping the office open to provide assistance to the public, document filing for all juvenile and probate cases, and the daily duties required of both positions.

I respectfully request that 160 hours of overlap training be approved. Attached are Fiscal Impact statements for your review.



**ONEIDA COUNTY  
FISCAL IMPACT  
2026**

	<u>Current</u>	<u>Proposed</u>	<u>Total Overlap</u>
Title	Juvenile Clerk - G7 160 hours	Juvenile Clerk - G3 160 hours	
Salary Schedule	Non-Exempt	Non-Exempt	
Hourly Rate	\$ 27.61	\$ 24.91	
Annual Hours	160	160	-
<b>Estimated Amounts</b>			
Wages	\$ 4,418	\$ 3,986	\$ 8,403
FICA & Medicare	338	305	643
Retirement	307	277	584
Health Insurance	1,423	1,423	2,846
Life Insurance	4	4	8
Income Continuation Ins.*	-	-	-
Workers Comp Ins.	7	6	13
<b>Total Wage &amp; Fringe</b>	<u>\$ 6,497</u>	<u>\$ 6,001</u>	<u>\$ 12,498</u>



>> Finance Department Disclaimer: Fiscal Impact Statement is not confirmation of funding in budget.  
<<

Explanation: Cost of overlap training for new hire starting at Grade G, Step 3 for four weeks is \$6,001

\* Currently no employer cost associated with ICI.



**ONEIDA COUNTY  
FISCAL IMPACT  
2026**

	<u>Current</u>	<u>Proposed</u>	<u>Savings</u>
Title	Juvenile Clerk - G7	Juvenile Clerk - G7 8.5	
Salary Schedule	Annual	months	
	Non-Exempt	Non-Exempt	
Hourly Rate	\$ 27.61	\$ 27.61	\$ -
Annual Hours	2,080	1,256	(824)
<b>Estimated Amounts</b>			
Wages	\$ 57,429	\$ 34,687	\$ (22,742)
FICA & Medicare	4,393	2,654	(1,740)
Retirement	3,991	2,411	(1,581)
Health Insurance	18,500	11,193	(7,308)
Life Insurance	57	35	(23)
Income Continuation Ins.*	-	-	-
Workers Comp Ins.	92	55	(36)
<b>Total Wage &amp; Fringe</b>	<b>\$ 84,463</b>	<b>\$ 51,034</b>	<b>\$ (33,429)</b>

>> Finance Department Disclaimer: Fiscal Impact Statement is not confirmation of funding in budget.  
<<

Explanation: Savings based on incumbent employee's wages only needed for 7.25 months (Jan 1st to Aug 7th)

\* Currently no employer cost associated with ICI.



**ONEIDA COUNTY  
FISCAL IMPACT  
2026**

	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>
Title	Juvenile Clerk - G7	Juvenile Clerk - G1	
Salary Schedule	Annual Non-Exempt	Annual Non-Exempt	
Hourly Rate	\$ 27.61	\$ 23.57	\$ (4.04)
Annual Hours	2,080	2,080	-
<b>Estimated Amounts</b>			
Wages	\$ 57,429	\$ 49,026	\$ (8,403)
FICA & Medicare	4,393	3,750	(643)
Retirement	3,991	3,407	(584)
Health Insurance	18,500	18,500	-
Life Insurance	57	49	(8)
Income Continuation Ins.*	-	-	-
Workers Comp Ins.	92	78	(13)
<b>Total Wage &amp; Fringe</b>	<b>\$ 84,463</b>	<b>\$ 74,811</b>	<b>\$ (9,652)</b>

>> Finance Department Disclaimer: Fiscal Impact Statement is not confirmation of funding in budget.  
<<

Explanation: Savings based on current employee's Step 7 wage and new hire's wage at Step 1 for full year.

\* Currently no employer cost associated with ICI.



**ONEIDA COUNTY  
FISCAL IMPACT  
2026**

	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>
Title	Juvenile Clerk - G7	Juvenile Clerk - G3	
Salary Schedule	Annual Non-Exempt	Annual Non-Exempt	
Hourly Rate	\$ 27.61	\$ 24.91	\$ (2.70)
Annual Hours	2,080	2,080	-
<b>Estimated Amounts</b>			
Wages	\$ 57,429	\$ 51,813	\$ (5,616)
FICA & Medicare	4,393	3,964	(430)
Retirement	3,991	3,601	(390)
Health Insurance	18,500	18,500	-
Life Insurance	57	52	(6)
Income Continuation Ins.*	-	-	-
Workers Comp Ins.	<u>92</u>	<u>83</u>	<u>(9)</u>
<b>Total Wage &amp; Fringe</b>	<b><u>\$ 84,463</u></b>	<b><u>\$ 78,012</u></b>	<b><u>\$ (6,451)</u></b>

>> Finance Department Disclaimer: Fiscal Impact Statement is not confirmation of funding in budget.  
<<

Explanation: Savings based on current employee's Step 7 wage and new hire's wage at Step 3 for full year.

\* Currently no employer cost associated with ICI.



**ONEIDA COUNTY  
FISCAL IMPACT  
2026**

	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>
Title	Juvenile Clerk - G7	Juvenile Clerk - G6	
Salary Schedule	Annual Non-Exempt	Annual Non-Exempt	
Hourly Rate	\$ 27.61	\$ 26.93	\$ (0.68)
Annual Hours	2,080	2,080	-
<b>Estimated Amounts</b>			
Wages	\$ 57,429	\$ 56,014	\$ (1,414)
FICA & Medicare	4,393	4,285	(108)
Retirement	3,991	3,893	(98)
Health Insurance	18,500	18,500	-
Life Insurance	57	56	(1)
Income Continuation Ins.*	-	-	-
Workers Comp Ins.	<u>92</u>	<u>90</u>	<u>(2)</u>
<b>Total Wage &amp; Fringe</b>	<b><u>\$ 84,463</u></b>	<b><u>\$ 82,838</u></b>	<b><u>\$ (1,625)</u></b>

>> Finance Department Disclaimer: Fiscal Impact Statement is not confirmation of funding in budget.  
<<

Explanation: Savings based on current employee's Step 7 wage and new hire's wage at Step 6 for full year.

\* Currently no employer cost associated with ICI.

# Labor Relations/Employee Services Update – April 22, 2026

## Department Highlights

- The Human Resources Director is currently working on Department Head recruitments for the Planning & Zoning Director and Finance Director positions.
- The Employee Services Manager is actively working on ten different recruitments.
- The Employee Services has wrapped up OSHA reporting for the 2025 calendar year.

## Hiring

Between March 19, 2026 and April 16, 2026, Oneida County:

- Hired one external candidate for an E911 Telecommunicator position.
- Hired one internal candidate for the Highway Commissioner position, pending County Board approval.

## Vacancy

**Monthly Turnover rate** – full-time and part-time employees ending employment:

October 2025 = 1  
November 2025 = 1  
December 2025 = 2  
January 2026 = 3  
February 2026 = 2  
March 2026 = 4

2025 monthly turnover average = 4.6 employees/month = 1.4%
YTD 2026 monthly turnover average = 3 employees/month = 0.93%

## **Annual Employee Retention Rate:**

Employees that were with the county at the start of the year and are still here.

2026 YTD = 95.8%  
2025 = 85.4%  
2024 = 92%

### Oneida County Vacancies as of April 16, 2026

Job Title	Department	Date Vacant	Reason	Filling Status	Funding Source	Days Vacant
Patrol Superintendent	Highway	4/22/2026	promotion	job posted	mixed based on duties	-6
Birth to 3 Coordinator	Human Services	4/20/2026	position change	job offered - pending pre-employ.	state funds	-4
Highway Operator	Highway	4/4/2026	involuntary	waiting for dept.	mixed based on duties	12
CLTS Birth to 3 Manager	Human Services	3/28/2026	position change	job posted	state funds; insur. reimb; tax levy	19
Sergeant	Sheriff	3/16/2026	promotion	waiting for dept.	tax levy	31
Child Support Specialist	Human Services	3/13/2026	voluntary term	job offered - pending pre-employ.	federal and state funds	34
Clerk Courts Deputy Small Claims	Clerk of Court	3/12/2026	retirement	job offered - pending pre-employ. screening	tax levy	35
Social Worker	Human Services	3/6/2026	voluntary term	interviews	state funds	41
Technical Support	Sheriff	2/9/2026	voluntary term	interviews	tax levy	66
Sergeant	Sheriff	1/31/2026	position change	waiting for dept.	tax levy	75
Corrections Sergeant	Sheriff	9/15/2025	promotion	waiting for dept.	tax levy	213
Computer Technician	ITS	8/22/2025	voluntary term	setting interviews	tax levy	237
Corrections Officer	Sheriff	8/12/2025	death	waiting for dept.	tax levy	247
Corrections Officer	Sheriff	6/9/2025	resigned	waiting for dept.	tax levy	311
Law Clerk	Branch I	5/31/2025	contract end	job posted	50% tax levy, 50% Vilas	320

### Reasons for vacancy and percentage of total vacancies:

<u>Reasons for vacancy</u>	<u>Number of employees over last 12 months</u>	<u>Percentage of total current vacancies</u>
Voluntary – better job duties/hours/location	21	48%
Retirement	7	16%
Voluntary - better wages	6	14%
Resigned in lieu of termination or unable to do job duties	6	14%
Terminated	2	4%
Death	2	4%
Voluntary - better benefits	0	0%

### Workers Compensation Claims

In March 2026, one new claim was filed and one claim was resolved and closed.

#### **Workers Comp claims open as of 04-16-26**

Date of Injury	Dept.	Injury	Amount Reserved for Injury	Amount Paid			
				Medical	Indemnity	Expenses	Total Paid
3/7/2026	Sheriff	Fall/Slip on Ice	\$4,300	\$308.97	\$0.00	\$18.27	<b>\$327.24</b>
2/18/2026	Highway	Fall	\$20,000	\$0.00	\$5,640.53	\$0.00	<b>\$5,640.53</b>
11/10/25	Buildings & Grounds	Contusion	\$5,000	\$2,338.14	\$0.00	\$2,154.69	<b>\$4,492.83</b>

## Report Criteria:

Report type: Invoice detail

Invoice Detail.GL account (5 Characters) = "10130"

Description	Vendor Number	Input Date	Invoice Date	Invoice Number	Invoice GL Account	Invoice Amount	Check Issue Date	Check Number	Check Amount
<b>ASPIRUS BUSINESS HEALTH</b>									
EAS CONTRACTED FULL SERVICE	24153	03/02/2026	03/02/2026	154392	101.30.51431.521910	867.16	03/12/2026	438574	867.16
RANDOM, POST-OFFER AND POST ACCIDENT SCREENS	24153	03/02/2026	03/02/2026	155217	101.30.51430.521102	327.00	03/12/2026	438574	327.00
Total ASPIRUS BUSINESS HEALTH:									1,194.16
<b>ASPIRUS HEALTH PLAN INC</b>									
RETIREE HEALTH INSURANCE	28681	03/05/2026	02/16/2026	260470000056	101.30.51430.512017	1,197.00	03/10/2026	438391	1,197.00
Total ASPIRUS HEALTH PLAN INC:									1,197.00
<b>BENEFIT COORDINATORS CORPORATION</b>									
03/2026 FAHP FEE - INV B0M9QK	29486	03/03/2026	03/01/2026	B0M9QK	101.30.51430.512004	160.92	03/26/2026	438786	160.92
Total BENEFIT COORDINATORS CORPORATION:									160.92
<b>CORPORATE PAYMENT SYSTEMS - FINC DEPT</b>									
JENNIFER LUENEBURG X2520	29450	03/16/2026	03/15/2026	4715 1103 0365 8855 3-15	101.30.51430.531103	556.42	03/26/2026	438795	556.42
Total CORPORATE PAYMENT SYSTEMS - FINC DEPT:									556.42
<b>DIVERSIFIED BENEFIT SERVICES INC</b>									
DBS FRA LRES	24171	02/09/2026	02/05/2026	469188	101.30.51430.512004	1,248.62	03/12/2026	438590	1,248.62
DBS COBRA MARCH	24171	03/10/2026	03/03/2026	471498	101.30.51431.521902	243.75	03/26/2026	438801	243.75
DBS HRA	24171	03/10/2026	03/05/2026	472107	101.30.51431.521902	1,296.48	03/26/2026	438801	1,296.48
DBS MARCH FSA	24171	03/18/2026	03/18/2026	472520	101.30.51431.521902	427.74	03/26/2026	438801	427.74
Total DIVERSIFIED BENEFIT SERVICES INC:									3,216.59
<b>USI Insurance Services LLC</b>									
ONGOING CONSULTION INSTALLMENT 1 OF 12	500809	02/25/2026	02/24/2026	5883596	101.30.51431.521901	3,500.00	03/12/2026	438665	3,500.00
ONGOING CONSULTING INSTALLMENT 2 OF 12	500809	02/25/2026	02/24/2026	5883598	101.30.51431.521901	3,500.00	03/12/2026	438665	3,500.00
ONGOING CONSULTING INSTALLMENT 3 OF 12	500809	02/25/2026	02/24/2026	5883599	101.30.51431.521901	3,500.00	03/12/2026	438665	3,500.00

Description	Vendor Number	Input Date	Invoice Date	Invoice Number	Invoice GL Account	Invoice Amount	Check Issue Date	Check Number	Check Amount
Total USI Insurance Services LLC:									10,500.00
Grand Totals:									16,825.09

Summary by General Ledger Account Number

GL Account	Debit	Credit	Proof
101.211100	.00	16,825.09-	16,825.09-
101.30.51430.512004	170.12	.00	170.12
101.30.51430.512017	1,197.00	.00	1,197.00
101.30.51430.521102	327.00	.00	327.00
101.30.51430.531103	556.42	.00	556.42
101.30.51431.521901	10,500.00	.00	10,500.00
101.30.51431.521902	3,207.39	.00	3,207.39
101.30.51431.521910	867.16	.00	867.16
Grand Totals:	16,825.09	16,825.09-	.00

Reviewed by: \_\_\_\_\_

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_\_

Report Criteria:

Report type: Invoice detail

Invoice Detail.GL account (5 Characters) = "10130"

## Budget / Actual - LRES (Labor Relations/Employee Services)

April 16, 2026 05:44 PM

End.GLPeriod 326 AND [Report].FormattedAccountNumber 101.30.50000.000000{-}101.30.59999.999999

Account Number	Account Title	YTD	Budget	Variance	% Budget
<b>Fund101 - GENERAL FUND</b>					
101.30.51430.511101	SALARIES-PERM EMPLOYEE(E)	61,160.81	189,664.00	128,503.19	32.24%
101.30.51430.511102	WAGES-PERM EMPLOYEE(E)	15,696.32	57,741.00	42,044.68	27.18%
101.30.51430.512001	SOCIAL SECURITY(E)	5,310.61	19,020.00	13,709.39	27.92%
101.30.51430.512002	RETIREMENT-EMPLOYER'S SHARE(E)	4,700.94	17,383.00	12,682.06	27.04%
101.30.51430.512004	HEALTH/DENTAL INSURANCE(E)	30,726.08	91,765.00	61,038.92	33.48%
101.30.51430.512005	LIFE INSURANCE(E)	112.51	1,025.00	912.49	10.97%
101.30.51430.512006	WORKER'S COMPENSATION(E)	104.45	485.00	380.55	21.53%
101.30.51430.512007	INCOME CONTINUATION INS(E)	.00	.00	.00	100.00%
101.30.51430.512017	RETIREE HEALTH INSURANCE(E)	4,638.00	13,790.00	9,152.00	33.63%
101.30.51430.512018	CASH IN LIEU OF HEALTH INS(E)	400.00	.00	-400.00	100.00%
101.30.51430.512019	EMPLOYEE RECOGNITION(E)	.00	1,100.00	1,100.00	0.00%
101.30.51430.513901	COST ALLOC-VACANCY/REDUCTION(E)	.00	.00	.00	100.00%
101.30.51430.521102	EMPLOYEE MEDICAL EXAMS(E)	1,605.50	16,400.00	14,794.50	9.78%
101.30.51430.522005	TELEPHONE AND FAX(E)	138.98	800.00	661.02	17.37%
101.30.51430.531101	POSTAGE AND BOX RENT(E)	46.72	275.00	228.28	16.98%
101.30.51430.531102	PRINTING AND DUPLICATION(E)	.00	650.00	650.00	0.00%
101.30.51430.531103	CENTRAL PURCHASING(E)	427.33	875.00	447.67	48.83%
101.30.51430.531203	MEMBERSHIP DUES(E)	210.00	315.00	105.00	66.66%
101.30.51430.531204	ADVERTISING(E)	.00	.00	.00	100.00%
101.30.51430.531301	TRAINING/CONFERENCE FEES(E)	150.00	850.00	700.00	17.64%
101.30.51430.531302	EMPLOYEE AUTO ALLOWANCE(E)	287.10	850.00	562.90	33.77%
101.30.51430.531305	MEALS LODGING & MISC TRAVEL(E)	302.00	1,000.00	698.00	30.20%
101.30.51431.512001	SOCIAL SECURITY(E)	83.76	300.00	216.24	27.92%

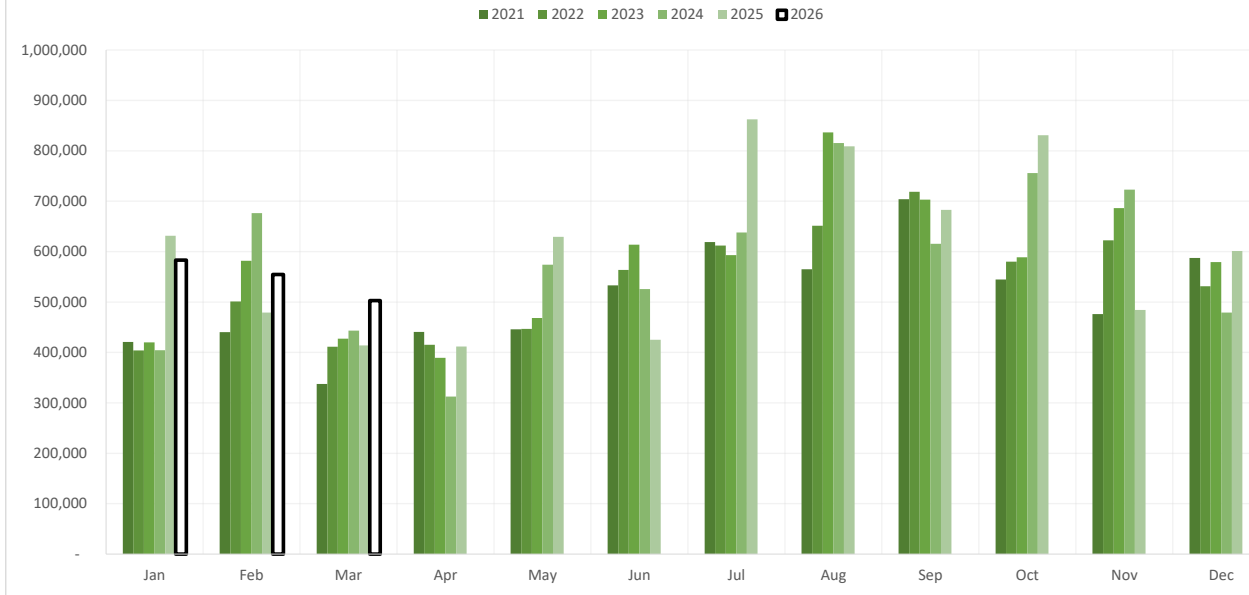
Account Number	Account Title	YTD	Budget	Variance	% Budget
101.30.51431.521901	OTHER PROFESSIONAL SERVICES(E)	14,000.00	42,000.00	28,000.00	33.33%
101.30.51431.521902	SECT 125 ADMINISTRATION(E)	7,302.91	24,725.00	17,422.09	29.53%
101.30.51431.521910	CONTRACTUAL PROGRAMS(E)	3,444.70	16,116.00	12,671.30	21.37%
101.30.51431.531102	PRINTING AND DUPLICATION(E)	.00	400.00	400.00	0.00%
101.30.51431.531903	WELLNESS INCENTIVES(E)	761.93	3,000.00	2,238.07	25.39%
<b>AccountTypeExpenditure</b>		<b>151,610.65</b>	<b>500,629.00</b>	<b>349,018.35</b>	

101.30.51430.473600	INTERGOV CHGS-TESTING(R)	-160.00	-500.00	-340.00	32.00%
101.30.51431.461900	PUBLIC CHGS-EMPLOYEE FEES(R)	.00	.00	.00	100.00%
101.30.51431.474113	LOCAL DEPT CHGS-125 ADMINIST(R)	.00	.00	.00	100.00%
101.30.51431.489150	REIMBURSEMENT OF EXPENDITURE(R)	.00	.00	.00	100.00%
101.30.51431.493062	APPL CONT APPR-EMP FEES(R)	.00	.00	.00	100.00%
<b>AccountTypeRevenue</b>		<b>-160.00</b>	<b>-500.00</b>	<b>-340.00</b>	

**Fund101 - GENERAL FUND 151,450.65 500,129.00 348,678.35**

**Total: 151,450.65 500,129.00 348,678.35**

## ONEIDA CO SALES TAX DISTRIBUTIONS BY MONTH



### Sales Tax Distributions by Month

	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>
Jan	420,899	404,107	420,049	404,380	631,495	583,011
Feb	440,390	501,151	581,804	676,612	479,199	554,539
Mar	337,383	411,163	427,402	443,215	414,170	502,985
Apr	440,684	415,204	389,398	312,431	412,001	
May	445,715	446,697	468,273	573,931	629,422	
Jun	533,259	563,546	613,723	525,561	425,266	
Jul	618,908	612,151	593,004	638,215	862,453	
Aug	565,100	651,494	836,594	815,565	808,832	
Sep	703,930	718,692	703,180	615,583	683,017	
Oct	544,833	580,311	588,767	755,779	830,892	
Nov	476,000	622,264	686,319	723,216	484,521	
Dec	587,322	531,460	579,376	479,100	601,326	
<b>Total</b>	<b>\$ 6,114,422</b>	<b>\$ 6,458,240</b>	<b>\$ 6,887,889</b>	<b>\$ 6,963,589</b>	<b>\$ 7,262,594</b>	<b>\$ 1,640,534</b>
Annual Budget	4,800,000	5,500,000	6,400,000	7,060,000	7,050,000	7,305,000
% of Budget	116%	127%	117%	108%	103%	22%
% Chg vs PY	N/A	6%	7%	1%	4%	-77%

Source: WDOR, Monthly County Sales Tax Distributions

End.GLPeriod 326 AND [Report].FormattedAccountNumber 101.58.59990.000000{-}101.58.59999.999999

Account Header	Title	Account Number	YTD	Budget	Variance	% Budget
<b>Fund101 - GENERAL FUND</b>						
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	OTHER EMPLOYER CONTRIBUTIONS	101.58.59990.512009	3,419.00	.00	-3,419.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	COST ALLOC-VACANCY/REDUCTION	101.58.59990.513901	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	COST ALLOC-COLA ADJUSTMEN	101.58.59990.513902	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	COST ALLOC-HEALTH / FRINGE A	101.58.59990.513904	.00	194,248.00	194,248.00	0.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	OTHER PROFESSIONAL SERVICES	101.58.59990.521901	692.27	99,700.00	99,007.73	0.69%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	CONTRACTUAL PROGRAMS	101.58.59990.521910	.00	109,497.00	109,497.00	0.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	BANK SERVICE CHARGES	101.58.59990.583050	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	BOND GUARANTY RELATED EXPENSES	101.58.59990.583051	580.00	96,000.00	95,420.00	0.60%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	HUMAN SERVICES TRANSITION	101.58.59990.583052	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	CHG ACCOUNTING ASSUMPTION	101.58.59990.583200	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	OPERATING TRANSFER	101.58.59990.711002	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	RESERVE FOR GEN FUND EXPE	101.58.59990.721010	.00	.00	.00	100.00%
<b>AccountTypeExpenditure</b>			<b>4,691.27</b>	<b>499,445.00</b>	<b>494,753.73</b>	
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	GENERAL PROPERTY TAXES	101.58.59990.411100	274.17	-13,486,518.00	-13,486,792.17	0.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	GEN PROP TX CHRG BACKS	101.58.59990.411101	.00	-535.00	-535.00	0.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	FOREST CROPLAND/MANAGED LAND	101.58.59990.411500	-103,092.71	-126,000.00	-22,907.29	81.81%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	COUNTY SALES TAX	101.58.59990.412210	-1,640,534.36	-7,305,000.00	-5,664,465.64	22.45%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	SALES TAX RETAINED BY COUNTY	101.58.59990.412220	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	INTEREST ON TAXES	101.58.59990.418800	-70,687.03	-250,000.00	-179,312.97	28.27%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	PENALTY ON TAXES	101.58.59990.418900	-35,345.03	-125,000.00	-89,654.97	28.27%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	FEDERAL GRANTS-CARES ACT	101.58.59990.433100	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	SHARED REVENUE	101.58.59990.434110	.00	-678,100.00	-678,100.00	0.00%

End.GLPeriod 326 AND [Report].FormattedAccountNumber 101.58.59990.000000{-}101.58.59999.999999

Account Header	Title	Account Number	YTD	Budget	Variance	% Budget
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	STATE AID-CONSERVATION AIDS	101.58.59990.435801	.00	-187,000.00	-187,000.00	0.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	PILT-EXEMPT COMPUTERS	101.58.59990.435901	-195,479.18	-20,000.00	175,479.18	977.39%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	PERSONAL PROPERTY AID	101.58.59990.435902	.00	-74,000.00	-74,000.00	0.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	STATE-UNEMPLOYMENT	101.58.59990.436900	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	LOCAL DEPT CHGS-INDIRECT CST	101.58.59990.474110	-81,190.50	-324,762.00	-243,571.50	25.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	INTEREST EARNED	101.58.59990.481100	-251,161.38	-2,050,000.00	-1,798,838.62	12.25%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	RENT OF OTHER FACILITIES	101.58.59990.482100	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	SALE OF FIXED ASSETS	101.58.59990.483100	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	SALE OF COUNTY LAND	101.58.59990.483110	-6,275.00	.00	6,275.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	OPIOID LAWSUIT SETTLEMENT	101.58.59990.484102	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	MISCELLANEOUS REVENUES	101.58.59990.489100	-2,051.93	-4,500.00	-2,448.07	45.59%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	REPAYMENT OF ECON DEVEL L	101.58.59990.489300	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	BOND GUARANTY FEE	101.58.59990.489400	.00	-96,000.00	-96,000.00	0.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	APPL CONT APPN-BOND GUARANTY	101.58.59990.493051	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	APPL CONT APPN-HSC TRANSITION	101.58.59990.493052	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	FUND BAL APP-GENERAL FUND	101.58.59990.493101	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	APPL CONT APPN-ONE TIME C	101.58.59990.493801	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - RESERVE FOR CONTINGENCY	HOLDING-HSC ESCROW TRANSACTION	101.58.59990.494100	-1,760.19	.00	1,760.19	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - GEN OBLIGATION DEBT OFFSETS	REPAYMENT HUMAN SERV CTR LN	101.58.59991.489400	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - TRANSFERS & CONTIGENCIES - GEN OBLIGATION DEBT OFFSETS	REPAYMENT-EC DEVEL LOAN	101.58.59991.489430	.00	.00	.00	100.00%
<b>AccountTypeRevenue</b>			<b>-2,387,303.14</b>	<b>-24,727,415.00</b>	<b>-22,340,111.86</b>	
<b>Fund101 - GENERAL FUND</b>			<b>-2,382,611.87</b>	<b>-24,227,970.00</b>	<b>-21,845,358.13</b>	
<b>Total:</b>			<b>-2,382,611.87</b>	<b>-24,227,970.00</b>	<b>-21,845,358.13</b>	

Report Criteria:

Report type: Invoice detail

Invoice Detail.GL account (5 Characters) = "10158","20306","40158","40458","10121","10124","10126"

Description	Vendor Number	Input Date	Invoice Date	Invoice Number	Invoice GL Account	Invoice Amount	Check Issue Date	Check Number	Check Amount
<b>ASPIRUS HEALTH PLAN INC</b>									
CREDITS/DEBITS PER CARRIER	28681	03/05/2026	02/16/2026	260470000142	101.58.51990.489100	429,505.00	03/10/2026	438391	429,505.00
EMPLOYER PORTION (ACTIVE EMPLOYEES)	28681	03/05/2026	02/16/2026	260470000409	101.215310	4,761.00	03/10/2026	438391	4,761.00
Total ASPIRUS HEALTH PLAN INC:									434,266.00
<b>ASSOCIATED BANK HSA (EFT)</b>									
HSA CONTRIBUTION	2387	03/09/2026	03/06/2026	2026 MARCH 06	101.215355	13,129.55	03/13/2026	500319	13,129.55 M
Total ASSOCIATED BANK HSA (EFT):									13,129.55
<b>Boston Mutual Life Ins CO (ACH)</b>									
LIFE INS PREMIUM	500436	03/23/2026	03/20/2026	2026 MARCH 20	101.215420	1,140.95	03/25/2026	11960	1,140.95
Total Boston Mutual Life Ins CO (ACH):									1,140.95
<b>CHARTER COMMUNICATIONS</b>									
171433701 - SPECTRUM FIBER INTERNET (FINANCE)	5998	03/09/2026	03/01/2026	171433701030126	101.58.51470.522005	745.00	03/12/2026	438584	745.00
Total CHARTER COMMUNICATIONS:									745.00
<b>CIVIC SYSTEMS LLC</b>									
PFC AUDIT 20-25	29448	03/10/2026	03/10/2026	BT3521113	401.58.57310.521901	2,864.40	03/12/2026	438585	2,864.40
Total CIVIC SYSTEMS LLC:									2,864.40
<b>EMPOWER (FKA GREAT WEST)(WI DEFF COMP)</b>									
WI DC & ROTH DEDUCTIONS	14390	03/09/2026	03/06/2026	2026 MARCH 06	101.215700	15,836.07	03/13/2026	500320	15,836.07 M
Total EMPOWER (FKA GREAT WEST)(WI DEFF COMP):									15,836.07
<b>FOREST CO TREAS</b>									
HSC ESCROW DISBURSEMENT	3761	03/16/2026	03/16/2026	JAN & FEB 2026	101.58.59990.494100	677.00	03/26/2026	438806	677.00
HSC ESCROW DISBURSEMENT	3761	03/18/2026	03/18/2026	Net HSC WIMCR 2024	101.58.59990.494100	25,387.88	03/26/2026	438806	25,387.88

M = Manual Check, V = Void Check

Description	Vendor Number	Input Date	Invoice Date	Invoice Number	Invoice GL Account	Invoice Amount	Check Issue Date	Check Number	Check Amount	
Total FOREST CO TREAS:									26,064.88	
<b>INTERNAL REVENUE SERVICE EFT</b>										
MAR 6, 2026 PAYROLL TAXES	1871	03/08/2026	03/06/2026	2026 MARCH 06	101.215150	220,441.79	03/13/2026	500321	220,441.79	M
Total INTERNAL REVENUE SERVICE EFT:									220,441.79	
<b>MDR LE Consulting Services</b>										
FINANCE DEPARTMENT ASSISTANCE DURING VACANCY	500237	03/02/2026	03/02/2026	18	101.58.51510.521301	1,000.00	03/10/2026	438392	1,000.00	
FINANCE DEPARTMENT ASSISTANCE DURING VACANCY	500237	03/24/2026	03/24/2026	19	101.58.51510.521301	550.00	03/26/2026	438826	550.00	
Total MDR LE Consulting Services:									1,550.00	
<b>NATIONWIDE RETIREMENT SOLUTIONS INC EFT</b>										
NACO DEF COMP & ROTH	50580	03/09/2026	03/06/2026	2026 MARCH 06	101.215700	11,030.69	03/13/2026	500322	11,030.69	M
Total NATIONWIDE RETIREMENT SOLUTIONS INC EFT:									11,030.69	
<b>ONEIDA CO DEPUTY SHERIFF ASSOCIATION</b>										
UNION DUES	500434	03/09/2026	03/06/2026	2026 MARCH 06	101.215800	825.00	03/10/2026	11602	825.00	
Total ONEIDA CO DEPUTY SHERIFF ASSOCIATION:									825.00	
<b>ONEIDA COUNTY DEPT OF HUMAN SERVICES</b>										
ONEIDA CO DEPT OF HUMAN SERVICES	8580	03/09/2026	03/09/2026	3.9.2026	101.242430	5,928.20	03/12/2026	438629	5,928.20	
Total ONEIDA COUNTY DEPT OF HUMAN SERVICES:									5,928.20	
<b>ONEIDA COUNTY HUMANE SOCIETY INC</b>										
ONEIDA COUNTY CONTRIBUTION	719	02/25/2026	02/25/2026	2Q2026 SUBSIDY	101.58.54193.581201	13,475.00	03/10/2026	438393	13,475.00	
Total ONEIDA COUNTY HUMANE SOCIETY INC:									13,475.00	
<b>PILCH &amp; BARNET INC</b>										
4Q2025	15946	02/27/2026	02/27/2026	300260	101.58.56730.521901	16,075.00	03/10/2026	438394	16,075.00	

Description	Vendor Number	Input Date	Invoice Date	Invoice Number	Invoice GL Account	Invoice Amount	Check Issue Date	Check Number	Check Amount
Total PILCH & BARNET INC:									16,075.00
<b>PITNEY BOWES RESERVE ACCOUNT</b>									
PITNEY BOWES RESERVE ACCOUNT # 35425628	25959	02/27/2026	02/27/2026	02.2026.25959	101.58.51460.531101	10,000.00	03/12/2026	438639	10,000.00
Total PITNEY BOWES RESERVE ACCOUNT:									10,000.00
<b>REINHART BOERNER VAN DEUREN</b>									
ONEIDA COUNTY FOND DU LAC BOND FINANCING	14192	03/11/2026	03/04/2026	13186779	101.58.59990.583051	580.00	03/26/2026	438843	580.00
Total REINHART BOERNER VAN DEUREN:									580.00
<b>RHINELANDER/ONEIDA CO AIRPORT COMMISSION</b>									
2026 QUARTER 2 - SUBSIDY PAYMENT	35	03/11/2026	03/06/2026	2Q2026	101.58.53510.581201	49,270.25	03/26/2026	438844	49,270.25
Total RHINELANDER/ONEIDA CO AIRPORT COMMISSION:									49,270.25
<b>SECURIAN FINANCIAL GROUP INC</b>									
EMPLOYEE DED. SPOUSE & DEPENDENT	127	03/06/2026	02/01/2026	2026 MARCH	101.215320	9,193.41	03/10/2026	438395	9,193.41
EMPLOYEE DED. SPOUSE & DEPENDENT	127	03/10/2026	03/01/2026	APRIL 2026	101.215320	8,964.95	03/12/2026	438647	8,964.95
Total SECURIAN FINANCIAL GROUP INC:									18,158.36
<b>SECURITY BENEFIT (ACH)</b>									
VEBA	50059	03/09/2026	03/06/2026	2026 MARCH 06	101.215390	4,594.68	03/10/2026	11603	4,594.68
Total SECURITY BENEFIT (ACH):									4,594.68
<b>SECURITY BENEFIT RETIRE PLAN (ACH)</b>									
457 AND ROTH	500277	03/09/2026	03/06/2026	2026 MARCH 06	101.215700	3,787.97	03/10/2026	11604	3,787.97
Total SECURITY BENEFIT RETIRE PLAN (ACH):									3,787.97
<b>SIKICH LLP</b>									
PROGRESS BILLING THRU 2/28/2026 SINGLE AUDIT	29350	02/26/2026	02/26/2026	127057	101.58.51511.521301	3,500.00	03/10/2026	438396	3,500.00
Total SIKICH LLP:									3,500.00

Description	Vendor Number	Input Date	Invoice Date	Invoice Number	Invoice GL Account	Invoice Amount	Check Issue Date	Check Number	Check Amount	
<b>STATE OF WI FINES &amp; FORFEITURES EFT</b>										
ST83 FINES, FORFEITURES, ASSESSMENT	2168	03/10/2026	03/10/2026	3.10.2026	101.242390	81,702.35	03/13/2026	500323	81,702.35	M
Total STATE OF WI FINES & FORFEITURES EFT:									81,702.35	
<b>UNITED MAILING SERVICES INC</b>										
UMS 2/1 - 2/28/26	22928	03/09/2026	03/06/2026	231606	101.58.51460.531101	431.68	03/12/2026	438663	431.68	
Total UNITED MAILING SERVICES INC:									431.68	
<b>VILAS COUNTY FINANCE DEPARTMENT</b>										
SETTLEMENT OF HSC ESCROW	500733	03/18/2026	03/18/2026	Net HSC WIMCR 2024	101.58.59990.494100	59,910.80	03/26/2026	438866	59,910.80	
Total VILAS COUNTY FINANCE DEPARTMENT:									59,910.80	
<b>VOLLI COMMUNICATIONS, INC.</b>										
CUST# 36412	500810	02/25/2026	02/01/2026	83952	101.58.51470.522005	1,170.97	03/10/2026	438397	1,170.97	
Total VOLLI COMMUNICATIONS, INC.:									1,170.97	
<b>WI DEPT OF ADMIN</b>										
THE WI LAND PROGRAM	7283	03/05/2026	03/05/2026	3.5.2026	101.242920	5,243.00	03/12/2026	438675	5,243.00	
Total WI DEPT OF ADMIN:									5,243.00	
<b>WI DEPT OF REVENUE STATE W/H EFT</b>										
SWT MAR 1 TO 15 2026	1916	03/08/2026	03/06/2026	2026 MARCH 06	101.215130	39,286.60	03/13/2026	500324	39,286.60	M
Total WI DEPT OF REVENUE STATE W/H EFT:									39,286.60	
<b>WI DEPT REV REAL EST TRANS FEE EFT</b>										
REAL ESTATE TRANSFER FEES	10794	03/05/2026	03/05/2026	3.5.2026	101.242140	43,546.48	03/13/2026	500325	43,546.48	M
Total WI DEPT REV REAL EST TRANS FEE EFT:									43,546.48	
<b>WI SCTF</b>										
RICH, BENJAMIN 387847121	500437	03/09/2026	03/09/2026	2026 MARCH 06	101.215800	1,657.98	03/10/2026	438398	1,657.98	
RICH, BENJAMIN 387847121	500437	03/23/2026	03/20/2026	2026 MARCH 20	101.215800	1,657.98	03/25/2026	438687	1,657.98	

Description	Vendor Number	Input Date	Invoice Date	Invoice Number	Invoice GL Account	Invoice Amount	Check Issue Date	Check Number	Check Amount
Total WI SCTF:									3,315.96
<b>WPPA SHERIFFS UNION (ACH)</b>									
INVOICE # 27317 PAYROLL UNION DUES	500433	03/09/2026	03/06/2026	2026 MARCH 06	101.215800	1,749.00	03/10/2026	11605	1,749.00
Total WPPA SHERIFFS UNION (ACH):									1,749.00
<b>YMCA OF THE NORTHWOODS</b>									
MARCH 2026 MEMBERSHIP DUES	8109	03/23/2026	03/20/2026	2026 MARCH 20	101.215800	1,787.00	03/25/2026	438688	1,787.00
Total YMCA OF THE NORTHWOODS:									1,787.00
Grand Totals:									1,091,407.63

Summary by General Ledger Account Number

GL Account	Debit	Credit	Proof
101.211100	2,736.00	1,091,279.23-	1,088,543.23-
101.215110	116,948.96	.00	116,948.96
101.215120	76,141.99	.00	76,141.99
101.215130	39,286.60	.00	39,286.60
101.215150	27,350.84	.00	27,350.84
101.215310	399,185.00	.00	399,185.00
101.215320	798.40	.00	798.40
101.215355	13,129.55	.00	13,129.55
101.215390	4,594.68	.00	4,594.68
101.215410	35,573.00	.00	35,573.00
101.215420	9,285.74	.00	9,285.74
101.215700	30,654.73	.00	30,654.73
101.215800	7,676.96	.00	7,676.96
101.242140	43,546.48	.00	43,546.48
101.242390	81,702.35	.00	81,702.35
101.242430	5,928.20	.00	5,928.20
101.242920	5,243.00	.00	5,243.00
101.58.51460.531101	10,431.68	.00	10,431.68

GL Account	Debit	Credit	Proof
101.58.51470.522005	1,915.97	.00	1,915.97
101.58.51510.521301	1,550.00	.00	1,550.00
101.58.51511.521301	3,500.00	.00	3,500.00
101.58.51990.489100	.00	2,736.00-	2,736.00-
101.58.53510.581201	49,270.25	.00	49,270.25
101.58.54193.581201	13,475.00	.00	13,475.00
101.58.56730.521901	16,075.00	.00	16,075.00
101.58.59101.494010	9,215.17	.00	9,215.17
101.58.59990.494100	85,975.68	.00	85,975.68
101.58.59990.512009	2,244.00	.00	2,244.00
101.58.59990.583051	580.00	.00	580.00
401.211100	.00	2,864.40-	2,864.40-
401.58.57310.521901	2,864.40	.00	2,864.40
<b>Grand Totals:</b>	<u>1,096,879.63</u>	<u>1,096,879.63-</u>	<u>.00</u>

Reviewed by: \_\_\_\_\_

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_\_

Report Criteria:

Report type: Invoice detail

Invoice Detail.GL account (5 Characters) = "10158","20306","40158","40458","10121","10124","10126"

End.GLPeriod 326 AND [Report].FormattedAccountNumber 101.58.53000.000000{-}101.58.58999.999999

Account Header	Title	Account Number	YTD	Budget	Variance	% Budget
<b>Fund101 - GENERAL FUND</b>						
GENERAL FUND - FINANCE - PUBLIC WORKS - AIRPORT	GRANTS TO INSTITUTIONS	101.58.53510.581201	98,540.50	197,081.00	98,540.50	50.00%
GENERAL FUND - FINANCE - HUMAN SERVICES - ANIMAL SHELTER	LICENSE FEES	101.58.54193.531205	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - HUMAN SERVICES - ANIMAL SHELTER	GRANTS TO INSTITUTIONS	101.58.54193.581201	26,950.00	53,900.00	26,950.00	50.00%
GENERAL FUND - FINANCE - HUMAN SERVICES - LAKELAND RETIREMENT FOUNDAT	GRANTS TO INSTITUTIONS	101.58.54697.581201	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - CULTURE, EDUCATION & RECREATIO - REGIONAL REFERENCE LIBRARY	GRANTS TO INSTITUTIONS	101.58.55116.581201	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - CONSERVATION & DEVELOPMENT - ECONOMIC DEVELOPMENT	OTHER PROFESSIONAL SERVICES	101.58.56710.521901	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - CONSERVATION & DEVELOPMENT - ECONOMIC DEVELOPMENT	ADVERTISING	101.58.56710.531204	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - CONSERVATION & DEVELOPMENT - ECONOMIC DEVELOPMENT	GRANTS TO INSTITUTIONS	101.58.56710.581201	36,625.00	146,500.00	109,875.00	25.00%
GENERAL FUND - FINANCE - CONSERVATION & DEVELOPMENT - ADVERTISING	OTHER PROFESSIONAL SERVICES	101.58.56730.521901	.00	70,000.00	70,000.00	0.00%
GENERAL FUND - FINANCE - CONSERVATION & DEVELOPMENT - ADVERTISING	TRAINING/CONFERENCE FEES	101.58.56730.531301	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - CONSERVATION & DEVELOPMENT - ADVERTISING	NON-EMPLOYEE AUTO ALLOWANCE	101.58.56730.531303	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - CONSERVATION & DEVELOPMENT - NORTH CENTRAL REGIONAL PLAN	GRANTS TO INSTITUTIONS	101.58.56910.581201	.00	.00	.00	100.00%
<b>AccountTypeExpenditure</b>			<b>162,115.50</b>	<b>467,481.00</b>	<b>305,365.50</b>	
GENERAL FUND - FINANCE - HUMAN SERVICES - ANIMAL SHELTER	CTY SHARE DOG LICENSES	101.58.54193.442003	.00	-18,500.00	-18,500.00	0.00%
GENERAL FUND - FINANCE - CONSERVATION & DEVELOPMENT - ECONOMIC DEVELOPMENT	PROCEEDS FROM BONDS	101.58.56710.491100	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - CONSERVATION & DEVELOPMENT - ECONOMIC DEVELOPMENT	APPL CONT APPR-ECONOMIC DEVL	101.58.56710.493031	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - CONSERVATION & DEVELOPMENT - ADVERTISING	FEDERAL GRANTS-CARES ACT	101.58.56730.433100	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - CONSERVATION & DEVELOPMENT - ADVERTISING	PUBLIC CHGS-ADVERTISING	101.58.56730.468400	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - CONSERVATION & DEVELOPMENT - ADVERTISING	APPL CONT APPR-ADVERTISING	101.58.56730.493032	.00	.00	.00	100.00%
<b>AccountTypeRevenue</b>			<b>.00</b>	<b>-18,500.00</b>	<b>-18,500.00</b>	
<b>Fund101 - GENERAL FUND</b>			<b>162,115.50</b>	<b>448,981.00</b>	<b>286,865.50</b>	
<b>Total:</b>			<b>162,115.50</b>	<b>448,981.00</b>	<b>286,865.50</b>	

End.GLPeriod 326 AND [Report].FormattedAccountNumber 101.58.51000.000000{-}101.58.51999.999999

Account Header	Title	Account Number	YTD	Budget	Variance	% Budget
Fund101 - GENERAL FUND						
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL POSTAGE	MACY AND EQUIP SVC CONTRACTS	101.58.51460.523203	.00	2,200.00	2,200.00	0.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL POSTAGE	POSTAGE AND BOX RENT	101.58.51460.531101	23,126.55	70,100.00	46,973.45	32.99%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL POSTAGE	EMPLOYEE AUTO ALLOWANCE	101.58.51460.531302	45.68	200.00	154.32	22.84%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL POSTAGE	MEALS LODGING & MISC TRAV	101.58.51460.531305	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL POSTAGE	RENTS AND LEASES	101.58.51460.531701	.00	7,500.00	7,500.00	0.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL TELEPHONE	TELEPHONE AND FAX	101.58.51470.522005	10,984.81	72,000.00	61,015.19	15.25%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL DUPLICATING	MACY AND EQUIP SVC CONTRACTS	101.58.51480.523203	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL DUPLICATING	PRINTING AND DUPLICATION	101.58.51480.531102	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL DUPLICATING	CENTRAL PURCHASING	101.58.51480.531103	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	SALARIES-PERM EMPLOYEE	101.58.51510.511101	37,751.19	141,400.00	103,648.81	26.69%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	WAGES-PERM EMPLOYEE	101.58.51510.511102	2,752.00	60,000.00	57,248.00	4.58%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	OVERTIME WAGES	101.58.51510.511103	5.61	1,500.00	1,494.39	0.37%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	WAGES-PART-TIME EMPLOYEE	101.58.51510.511104	636.72	41,000.00	40,363.28	1.55%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	WAGES-LIMITED TERM EMPLOYEE	101.58.51510.511105	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	HOLIDAY WORKED PAY	101.58.51510.511205	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	SOCIAL SECURITY	101.58.51510.512001	3,143.08	18,000.00	14,856.92	17.46%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	RETIREMENT-EMPLOYER'S SHARE	101.58.51510.512002	2,967.88	15,500.00	12,532.12	19.14%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	HEALTH/DENTAL INSURANCE	101.58.51510.512004	.00	12,500.00	12,500.00	0.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	LIFE INSURANCE	101.58.51510.512005	121.73	1,000.00	878.27	12.17%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	WORKER'S COMPENSATION	101.58.51510.512006	66.00	400.00	334.00	16.50%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	INCOME CONTINUATION INS	101.58.51510.512007	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	RETIREE HEALTH INSURANCE	101.58.51510.512017	.00	.00	.00	100.00%

End.GLPeriod 326 AND [Report].FormattedAccountNumber 101.58.51000.000000{-}101.58.51999.999999

Account Header	Title	Account Number	YTD	Budget	Variance	% Budget
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	CASH IN LIEU OF HEALTH INS	101.58.51510.512018	750.00	3,000.00	2,250.00	25.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	ACCOUNTING AND AUDITING	101.58.51510.521301	3,050.00	.00	-3,050.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	TELEPHONE AND FAX	101.58.51510.522005	104.24	800.00	695.76	13.03%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	POSTAGE AND BOX RENT	101.58.51510.531101	227.15	800.00	572.85	28.39%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	PRINTING AND DUPLICATION	101.58.51510.531102	.00	100.00	100.00	0.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	CENTRAL PURCHASING	101.58.51510.531103	331.58	800.00	468.42	41.44%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	MEMBERSHIP DUES	101.58.51510.531203	.00	750.00	750.00	0.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	ADVERTISING	101.58.51510.531204	180.00	.00	-180.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	TRAINING/CONFERENCE FEES	101.58.51510.531301	.00	4,000.00	4,000.00	0.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	EMPLOYEE AUTO ALLOWANCE	101.58.51510.531302	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	MEALS LODGING & MISC TRAVEL	101.58.51510.531305	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - INDEPENDENT AUDIT	ACCOUNTING AND AUDITING	101.58.51511.521301	8,950.00	80,000.00	71,050.00	11.18%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - COST ALLOCATION PLAN	ACCOUNTING AND AUDITING	101.58.51512.521301	.00	6,500.00	6,500.00	0.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	WAGES-PERM EMPLOYEE	101.58.51550.511102	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	OVERTIME WAGES	101.58.51550.511103	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	SOCIAL SECURITY	101.58.51550.512001	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	RETIREMENT-EMPLOYER'S SHARE	101.58.51550.512002	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	HEALTH/DENTAL INSURANCE	101.58.51550.512004	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	LIFE INSURANCE	101.58.51550.512005	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	WORKER'S COMPENSATION	101.58.51550.512006	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	INCOME CONTINUATION INS	101.58.51550.512007	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	POSTAGE AND BOX RENT	101.58.51550.531101	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	PRINTING AND DUPLICATION	101.58.51550.531102	.00	.00	.00	100.00%

End.GLPeriod 326 AND [Report].FormattedAccountNumber 101.58.51000.000000{-}101.58.51999.999999

Account Header	Title	Account Number	YTD	Budget	Variance	% Budget
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	CENTRAL PURCHASING	101.58.51550.531103	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	OTHER SUPPLIES & EXPENSES	101.58.51550.531901	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	BANK SERVICE CHARGES	101.58.51550.583050	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - SUNDRY GENERAL GOVERNMENT	ACCRUED COMPENSATED ABSENCES	101.58.51990.511208	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - SUNDRY GENERAL GOVERNMENT	HEALTH/DENTAL INSURANCE	101.58.51990.512004	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - SUNDRY GENERAL GOVERNMENT	OTHER SUPPLIES & EXPENSES	101.58.51990.531901	12.86	.00	-12.86	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - SUNDRY GENERAL GOVERNMENT	OTHER INTEREST	101.58.51990.572004	.00	.00	.00	100.00%
<b>AccountTypeExpenditure</b>			<b>95,207.08</b>	<b>540,050.00</b>	<b>444,842.92</b>	
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - COUNTY BOARD	FEDERAL GRANTS- SLFRF	101.58.51110.433600	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL POSTAGE	LOCAL DEPT CHGS-POSTAGE	101.58.51460.474102	-9,108.10	-80,000.00	-70,891.90	11.38%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL POSTAGE	REIMB PRIOR YR EXPENDITURE	101.58.51460.489140	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL TELEPHONE	LOCAL DEPT CHGS-TELEPHONE	101.58.51470.474104	-9,068.86	-72,000.00	-62,931.14	12.59%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL DUPLICATING	PUBLIC CHGS-DUPLICATION FEES	101.58.51480.461002	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL DUPLICATING	LOCAL DEPT CHGS-PRINTING	101.58.51480.474100	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	PUBLIC CHGS-FINANCE DEPT FEES	101.58.51510.461021	-1,408.73	-5,500.00	-4,091.27	25.61%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - FINANCE DEPARTMENT	PUBLIC CHGS-EMPLOYEE FEES	101.58.51510.461900	-114.00	-1,000.00	-886.00	11.40%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	LOCAL DEPT CHGS-CENTRAL PUR	101.58.51550.474106	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - CENTRAL PURCHASING	HOLDING-LIFE INSURANCE	101.58.51550.494010	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - SUNDRY GENERAL GOVERNMENT	MISCELLANEOUS REVENUES	101.58.51990.489100	508.30	.00	-508.30	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - SUNDRY GENERAL GOVERNMENT	REFUND OF HRA-MERP	101.58.51990.489130	.00	.00	.00	100.00%
GENERAL FUND - FINANCE - GENERAL GOVERNMENT - SUNDRY GENERAL GOVERNMENT	APPL CONT APPR-ACCRUED COMP	101.58.51990.493050	.00	.00	.00	100.00%

End.GLPeriod 326 AND [Report].FormattedAccountNumber 101.58.51000.000000{-}101.58.51999.999999

Account Header	Title	Account Number	YTD	Budget	Variance	% Budget
GOVERNMENT						
<b>AccountTypeRevenue</b>			<b>-19,191.39</b>	<b>-158,500.00</b>	<b>-139,308.61</b>	
<b>Fund101 - GENERAL FUND</b>			<b>76,015.69</b>	<b>381,550.00</b>	<b>305,534.31</b>	
<b>Total:</b>			<b>76,015.69</b>	<b>381,550.00</b>	<b>305,534.31</b>	

# Information Technology Status

## March 2026

### Highlights

#### Top Projects

1. IT – Redundant/Failover/Load Balance Fiber internet line. Back Burner until vendor found.
2. PZ – Install NAS device and forward storage from Permit System replace with Laserfische. Go Live date set for April 6th.
3. DSS/ITS – Human Service Center migration and support. On-going. Equipment ordered.
4. JL – Replace Jail Access System. On-Going. Phase 1 is the hardware, Phase 2 is the software if needed.
5. ITS – New Phone System. Scheduled for 2026. Equipment received. Started June 28<sup>th</sup>. Social Service Department is completed on 1-28-26. Next phase is courthouse go live weekend of March 20<sup>th</sup>, completed. Sheriff's office scheduled by the end of April.

### Upcoming Projects

6. SD – New World update/upgrade. Scheduled: Winter 2026. CIP Project
7. LI – New GIS Servers and upgrades. End of 2026, CIP Project
8. County Wide – migration to Office 365, CIP Project
9. HD – New office wireless and cameras. Need Point to Point in place
10. SW – Wireless access once fiber is installed.
11. County Wide – Infrastructure replacement. Anticipated for late 2026 thru 2030.

### Helpdesk Status Report:

#### Ticket Trends

- Currently averaging 142 open tickets per day.

### Downtime Incidents:

March 27, 2026 approx. 4:15PM our new phone system experienced intermittent problems dialing out and fast busy signals when dialing in. Contacted and opened tickets with the vendor. The problems seemed solved by 7PM then started again before midnight. The problems were still on-going by 8AM Monday. More tickets were created as we could not call into the vendor as their system was experiencing wide spread problems. They did correct the problems by noon on Monday and they have been operating normally since. We were told that they experienced wide spread data center outages and server errors. Once replaced and repaired they were performing properly again.

Report Criteria:

Report type: Invoice detail

Invoice Detail.GL account (6 Characters) = "101125","404125"

Description	Vendor Number	Input Date	Invoice Date	Invoice Number	Invoice GL Account	Invoice Amount	Check Issue Date	Check Number	Check Amount
<b>3RT Networks LLC</b>									
DUO SOFTWARE SUBSCRIPTION	500495	03/09/2026	03/05/2026	CW38850	101.12.51450.521402	141.00	03/12/2026	438566	141.00
Total 3RT Networks LLC:									141.00
<b>AMAZON CAPITAL SERVICES LLC</b>									
OKLILI - PA03670-0002 BRAKE AND PICK ROLLER FOR FUJITSU FI-7260	26975	03/09/2026	03/09/2026	174M-96NC-4PY9	101.12.51450.523202	18.80	03/12/2026	438571	18.80
CABLE MATTERS UNIDIRECTIONAL DISPLAYPORT TO HDMI CABLE 15'	26975	03/09/2026	03/09/2026	ARWR-K3KP-44LL	101.12.51450.699044	116.06	03/12/2026	438571	116.06
Total AMAZON CAPITAL SERVICES LLC:									134.86
<b>ASPIRUS HEALTH PLAN INC</b>									
RETIREE HEALTH INSURANCE	28681	03/05/2026	02/16/2026	260470000056	101.12.51450.512017	1,122.00	03/10/2026	438391	1,122.00
Total ASPIRUS HEALTH PLAN INC:									1,122.00
<b>BENEFIT COORDINATORS CORPORATION</b>									
03/2026 FAHP FEE - INV B0M9QH	29486	03/03/2026	03/01/2026	B0M9QH	101.12.51450.512004	64.94	03/12/2026	438580	64.94
Total BENEFIT COORDINATORS CORPORATION:									64.94
<b>CAMERA CORNER CONNECTING POINT</b>									
FVE-3RDPARTY-10 - FORTIVOICE 3RD PARTY PHONE LICENSE, 10 ADDITIONAL PHONES	5023	03/23/2026	03/12/2026	INV372174	101.12.51450.523205	672.00	03/26/2026	438789	672.00
HT801V2 - GRANDSTREAM 1 PORT ATA	5023	03/23/2026	03/16/2026	INV372545	101.12.51450.699044	101.24	03/26/2026	438789	101.24
HT801V2 - GRANDSTREAM 1-PORT ATA	5023	03/23/2026	03/19/2026	INV372967	101.12.51450.699044	101.24	03/26/2026	438789	101.24
Total CAMERA CORNER CONNECTING POINT:									874.48
<b>CDW GOVERNMENT INC</b>									
GRANDSTREAM SINGLE PORT ANALOG TELEPHONE ADAPTER	6395	03/09/2026	02/19/2026	AI16C5B	101.12.51450.699044	38.16	03/12/2026	438583	38.16
BROTHER LABEL TAPE .47 BLACK ON WHITE 4-PACK	6395	03/09/2026	02/19/2026	AI18Y9P	101.12.51450.531901	79.16	03/12/2026	438583	79.16
HP 414X W2020X HIGH YIELD BLACK TONER	6395	03/09/2026	02/26/2026	AI2687X	101.12.51450.531901	414.78	03/12/2026	438583	414.78
NETGEAR 5-PORT GIGABIT ETHERNET POE+									

M = Manual Check, V = Void Check

Description	Vendor Number	Input Date	Invoice Date	Invoice Number	Invoice GL Account	Invoice Amount	Check Issue Date	Check Number	Check Amount
SWITCH	6395	03/09/2026	02/25/2026	AI2Z11G	101.12.51450.699044	172.56	03/12/2026	438583	172.56
Total CDW GOVERNMENT INC:									704.66
<b>CHARTER COMMUNICATIONS</b>									
171429001 - HODAG COUNTRY FEST INTERNET	5998	03/09/2026	03/01/2026	171429001030126	101.12.51450.522005	119.99	03/12/2026	438584	119.99
171433701 - SPECTRUM FIBER INTERNET (COURTHOUSE)	5998	03/09/2026	03/01/2026	171433701030126	101.12.51450.522005	554.00	03/12/2026	438584	554.00
259255101 - SPECTRUM CABLE INTERNET (HIGHWAY DEPARTMENT)	5998	03/09/2026	03/01/2026	259255101030126	101.12.51450.522005	180.00	03/12/2026	438584	180.00
Total CHARTER COMMUNICATIONS:									853.99
<b>CONVERGINT TECHNOLOGIES LLC</b>									
GENETEC DVS LICENSE - 5 YEAR	500818	03/09/2026	01/07/2026	IN00429565	101.12.51450.523205	24,430.00	03/12/2026	438586	24,430.00
Total CONVERGINT TECHNOLOGIES LLC:									24,430.00
<b>CORPORATE PAYMENT SYSTEMS - FINC DEPT</b>									
JASON RHODES - 7194	29450	03/16/2026	03/15/2026	4715 1103 0365 8855 3-15	101.12.51450.531103	1,538.64	03/26/2026	438795	1,538.64
Total CORPORATE PAYMENT SYSTEMS - FINC DEPT:									1,538.64
<b>DIVERSIFIED BENEFIT SERVICES INC</b>									
DBS FRA ITS	24171	02/09/2026	02/05/2026	469188	101.12.51450.512004	4.60	03/12/2026	438590	4.60
DBS FRA ITS	24171	03/10/2026	03/05/2026	472107	101.12.51450.512004	4.60	03/26/2026	438801	4.60
Total DIVERSIFIED BENEFIT SERVICES INC:									9.20
<b>EO JOHNSON CO</b>									
415009 - RICOH TYPE T STAPLE 5,000 CTN	322	03/09/2026	03/06/2026	INV1922904	101.12.51450.531901	41.26	03/12/2026	438593	41.26
Total EO JOHNSON CO:									41.26
<b>EPA Audio Visual Inc</b>									
INSTALLATION LABOR - 10% DISCOUNT	500186	03/23/2026	03/23/2026	208649	101.12.51450.699008	22,648.77	03/26/2026	438803	22,648.77
Total EPA Audio Visual Inc:									22,648.77

Description	Vendor Number	Input Date	Invoice Date	Invoice Number	Invoice GL Account	Invoice Amount	Check Issue Date	Check Number	Check Amount
<b>LENOVO GLOBAL TECHNOLOGY</b>									
BILLABLE REPAIRS - LENOVO	13496	03/09/2026	02/22/2026	ND20202381	101.12.51450.523202	288.00	03/12/2026	438612	288.00
Total LENOVO GLOBAL TECHNOLOGY:									288.00
<b>Northland Business Systems</b>									
WINScribe MAINTENANCE	500272	03/23/2026	03/13/2026	IN112681	101.12.51450.523205	2,965.26	03/26/2026	438829	2,965.26
Total Northland Business Systems:									2,965.26
<b>OFFICE ENTERPRISES INC</b>									
EQUIPMENT MAINTENANCE AGREEMENT - DS77IQ-INTS3	4918	03/09/2026	12/02/2025	592109	101.12.51450.523204	2,317.00	03/12/2026	438626	2,317.00
Total OFFICE ENTERPRISES INC:									2,317.00
<b>PAGEFREEZER SOFTWARE INC</b>									
PAGEFREEZER FOR SOCIAL MEDIA	26547	03/23/2026	02/18/2026	INV-21288	101.12.51450.523205	441.00	03/26/2026	438832	441.00
Total PAGEFREEZER SOFTWARE INC:									441.00
<b>SOUTHERN COMPUTER WAREHOUSE INC</b>									
VG2240 - VIEWSONIC 22" MONITOR	20033	02/10/2026	02/02/2026	INV00861093	101.12.51450.699008	2,266.35	03/12/2026	438648	2,266.35
Total SOUTHERN COMPUTER WAREHOUSE INC:									2,266.35
<b>TECHNOLOGY MANAGEMENT LLC</b>									
DUOMSP - JANUARY DUO MSP LICENSE FOR 2FA	6284	03/09/2026	02/20/2026	10119	101.12.51450.523205	723.00	03/12/2026	438652	723.00
INSTALL150 - OCO365MIGRATION2026	6284	03/09/2026	02/23/2026	10133	101.12.51450.521402	225.00	03/12/2026	438652	225.00
INSTALL150 - OCSCALECOMP2024	6284	03/09/2026	02/23/2026	10134	101.12.51450.699008	562.50	03/12/2026	438652	562.50
INSTALL150 - OCVOIPUP2026	6284	03/09/2026	02/23/2026	10135	101.12.51450.521402	7,200.00	03/12/2026	438652	7,200.00
SUPPORT150 - SYSTEM SUPPORT	6284	03/09/2026	02/23/2026	10136	101.12.51450.521402	975.00	03/12/2026	438652	975.00
SUPPORT150 - SYSTEM SUPPORT	6284	03/09/2026	03/23/2026	10137	101.12.51450.521402	10,275.00	03/12/2026	438652	10,275.00
135557 - CISCO COMPATIBLE 100GBASE-SR BI-DIRECTIONAL QSFP28 850NM 100M DOM DUPLEX LC MMF OPTICAL TRANSCEIVER MODULE	6284	03/23/2026	03/17/2026	10156	101.12.51450.699008	36,743.00	03/26/2026	438849	36,743.00
7193933 - REMOTE (ESU) EXTREME SERVICE UNIT	6284	03/23/2026	03/17/2026	10157	404.12.57141.699276	103,726.50	03/26/2026	438849	103,726.50
74680 - GENERIC COMPATIBLE 10GBASE-T SFP+ COPPER RJ-45 30M TRANSCEIVER MODULE	6284	03/23/2026	03/18/2026	10159	101.12.51450.699044	842.80	03/26/2026	438849	842.80

Description	Vendor Number	Input Date	Invoice Date	Invoice Number	Invoice GL Account	Invoice Amount	Check Issue Date	Check Number	Check Amount
Total TECHNOLOGY MANAGEMENT LLC:									161,272.80
<b>TYLER TECHNOLOGIES INC</b>									
LE RECORDS FEDERAL & STATE COMPLIANCE MSP	24889	03/23/2026	01/31/2026	CI100-00251763	101.12.51450.523205	133,547.99	03/26/2026	438856	133,547.99
Total TYLER TECHNOLOGIES INC:									133,547.99
<b>USIC LOCATING SERVICES LLC</b>									
PER TICKET	24297	03/09/2026	02/28/2026	792329	101.12.51450.521901	101.12	03/12/2026	438666	101.12
Total USIC LOCATING SERVICES LLC:									101.12
<b>VERIZON WIRELESS</b>									
WIRELESS HOT SPOTS	28994	03/09/2026	02/23/2026	6136812310	101.12.51450.522005	342.09	03/12/2026	438667	342.09
Total VERIZON WIRELESS:									342.09
Grand Totals:									356,105.41

Summary by General Ledger Account Number

GL Account	Debit	Credit	Proof
101.12.51450.512004	74.14	.00	74.14
101.12.51450.512017	1,122.00	.00	1,122.00
101.12.51450.521402	18,816.00	.00	18,816.00
101.12.51450.521901	101.12	.00	101.12
101.12.51450.522005	1,196.08	.00	1,196.08
101.12.51450.523202	306.80	.00	306.80
101.12.51450.523204	2,317.00	.00	2,317.00
101.12.51450.523205	162,779.25	.00	162,779.25
101.12.51450.531103	1,538.64	.00	1,538.64
101.12.51450.531901	535.20	.00	535.20
101.12.51450.699008	62,761.62	916.00-	61,845.62
101.12.51450.699044	1,372.06	.00	1,372.06
101.12.51452.699008	375.00	.00	375.00

GL Account	Debit	Credit	Proof
101.211100	916.00	253,294.91-	252,378.91-
404.12.57141.699276	103,726.50	.00	103,726.50
404.211100	.00	103,726.50-	103,726.50-
Grand Totals:	<u>357,937.41</u>	<u>357,937.41-</u>	<u>.00</u>

Reviewed by: \_\_\_\_\_

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_\_

## Report Criteria:

Report type: Invoice detail

Invoice Detail.GL account (6 Characters) = "101125","404125"

End.GLPeriod 326 AND [Report].FormattedAccountNumber 101.12.50000.000000{-}101.12.59999.999999

Account Number	Account Title	YTD	Budget	Variance	% Budget
Fund101 - GENERAL FUND					
101.12.51450.489100	NON-SUBSCRIPTION COMPONENT(E)	.00	.00	.00	100.00%
101.12.51450.511101	SALARIES-PERM EMPLOYEE(E)	104,083.96	521,800.00	417,716.04	19.94%
101.12.51450.511102	WAGES-PERM EMPLOYEE(E)	21,927.13	164,100.00	142,172.87	13.36%
101.12.51450.511103	OVERTIME WAGES(E)	1.94	1,500.00	1,498.06	0.12%
101.12.51450.511104	WAGES-PART-TIME EMPLOYEE(E)	.00	.00	.00	100.00%
101.12.51450.511107	CALL PAY(E)	824.00	7,500.00	6,676.00	10.98%
101.12.51450.511113	COVID-19 PAY(E)	.00	.00	.00	100.00%
101.12.51450.511205	HOLIDAY WORKED PAY(E)	275.67	500.00	224.33	55.13%
101.12.51450.512001	SOCIAL SECURITY(E)	9,374.16	58,537.00	49,162.84	16.01%
101.12.51450.512002	RETIREMENT-EMPLOYER'S SHARE(E)	9,169.15	47,000.00	37,830.85	19.50%
101.12.51450.512004	HEALTH/DENTAL INSURANCE(E)	39,950.86	139,500.00	99,549.14	28.63%
101.12.51450.512005	LIFE INSURANCE(E)	630.93	2,500.00	1,869.07	25.23%
101.12.51450.512006	WORKER'S COMPENSATION(E)	203.75	740.00	536.25	27.53%
101.12.51450.512007	INCOME CONTINUATION INS(E)	.00	.00	.00	100.00%
101.12.51450.512008	UNEMPLOYMENT COMPENSATION(E)	.00	.00	.00	100.00%
101.12.51450.512017	RETIREE HEALTH INSURANCE(E)	3,366.00	28,000.00	24,634.00	12.02%
101.12.51450.512018	CASH IN LIEU OF HEALTH INS(E)	1,050.00	18,000.00	16,950.00	5.83%
101.12.51450.513901	COST ALLOC-VACANCY/REDUCTION(E)	.00	.00	.00	100.00%
101.12.51450.521401	DP TRAINING-OTHER DEPTS(E)	.00	12,000.00	12,000.00	0.00%
101.12.51450.521402	CONTRACT PROGRAMMING/CONSULT(E)	19,080.00	60,000.00	40,920.00	31.80%
101.12.51450.521901	OTHER PROFESSIONAL SERVICES(E)	252.80	23,000.00	22,747.20	1.09%
101.12.51450.522005	TELEPHONE AND FAX(E)	3,637.53	30,000.00	26,362.47	12.12%
101.12.51450.523202	MACY AND EQUIP REPAIR(E)	306.80	4,000.00	3,693.20	7.67%
101.12.51450.523204	HARDWARE MAINTENANCE(E)	26,721.56	100,000.00	73,278.44	26.72%

End.GLPeriod 326 AND [Report].FormattedAccountNumber 101.12.50000.000000{-}101.12.59999.999999

Account Number	Account Title	YTD	Budget	Variance	% Budget
101.12.51450.523205	SOFTWARE MAINTENANCE(E)	303,574.76	558,192.00	254,617.24	54.38%
101.12.51450.523295	INFO TECH SUBSCRIPTION(E)	.00	.00	.00	100.00%
101.12.51450.531101	POSTAGE AND BOX RENT(E)	.00	200.00	200.00	0.00%
101.12.51450.531102	PRINTING AND DUPLICATION(E)	.00	1,075.00	1,075.00	0.00%
101.12.51450.531103	CENTRAL PURCHASING(E)	13.05	800.00	786.95	1.63%
101.12.51450.531104	CENTRAL COPIER PRINTER LEASE(E)	11,617.32	78,500.00	66,882.68	14.79%
101.12.51450.531204	ADVERTISING(E)	.00	800.00	800.00	0.00%
101.12.51450.531301	TRAINING/CONFERENCE FEES(E)	.00	1,000.00	1,000.00	0.00%
101.12.51450.531302	EMPLOYEE AUTO ALLOWANCE(E)	32.77	1,975.00	1,942.23	1.65%
101.12.51450.531304	MEALS-TAXABLE(E)	.00	100.00	100.00	0.00%
101.12.51450.531305	MEALS LODGING & MISC TRAVEL(E)	.00	1,000.00	1,000.00	0.00%
101.12.51450.531901	OTHER SUPPLIES & EXPENSES(E)	1,363.89	15,000.00	13,636.11	9.09%
101.12.51450.531974	SUBSCRIPTION AMORITZATION(E)	.00	.00	.00	100.00%
101.12.51450.571002	SUBSCRIPTION PRINCIPAL(E)	.00	.00	.00	100.00%
101.12.51450.572006	SUBSCRIPTION INTEREST(E)	.00	.00	.00	100.00%
101.12.51450.583001	BAD DEBT EXPENSES(E)	.00	.00	.00	100.00%
101.12.51450.583200	SUBSCRIPTION CLEAR - CHG ACCTG(E)	.00	.00	.00	100.00%
101.12.51450.699007	SOFTWARE(E)	129.24	13,000.00	12,870.76	0.99%
101.12.51450.699008	COMPUTER HARDWARE(E)	114,310.88	348,000.00	233,689.12	32.84%
101.12.51450.699040	SPECIAL PROJECTS(E)	.00	.00	.00	100.00%
101.12.51450.699041	COMPUTER REPLACEMENT(E)	.00	.00	.00	100.00%
101.12.51450.699042	COMPUTER EQ-MAJOR SYS UPGRAD(E)	.00	.00	.00	100.00%
101.12.51450.699044	PERIFERIAL SMALL EQ REPLACEM(E)	1,664.83	10,000.00	8,335.17	16.64%
101.12.51450.699260	PROJECT 1-E MAIL-ENTERPRISE(E)	.00	.00	.00	100.00%
101.12.51450.699262	PROJECT 3 VOICE OVER IP(E)	.00	.00	.00	100.00%

End.GLPeriod 326 AND [Report].FormattedAccountNumber 101.12.50000.000000{-}101.12.59999.999999

Account Number	Account Title	YTD	Budget	Variance	% Budget
101.12.51450.699263	PROJECT 4-ACCOUNTING UPGR(E)	.00	.00	.00	100.00%
101.12.51450.699264	PROJECT 5-CAPITAL IMPROVEMT(E)	.00	.00	.00	100.00%
101.12.51450.699265	PROJECT 6-WI FI CTHSE(E)	.00	.00	.00	100.00%
101.12.51450.699266	PROJECT 7-SERVER UPGRADES&BU(E)	.00	.00	.00	100.00%
101.12.51450.699267	PROJECT 8-MOBILE SD COMPUTER(E)	.00	.00	.00	100.00%
101.12.51450.699268	PROJECT 9-DESKTOP/LAPTOP/PRI(E)	.00	.00	.00	100.00%
101.12.51450.699269	PROJECT 10-EXCHANGE UPGRADE(E)	.00	.00	.00	100.00%
101.12.51450.699270	PROJECT 11-OFFICE 2016(E)	.00	.00	.00	100.00%
101.12.51450.699271	PROJECT 12-NEW WORLD REFRESH(E)	.00	.00	.00	100.00%
101.12.51450.699272	PROJECT 13-NW HDWR SUPP(E)	.00	.00	.00	100.00%
101.12.51450.699273	PROJECT 14-FIREWALL REPL(E)	.00	.00	.00	100.00%
101.12.51450.699274	PROJECT 15(E)	.00	.00	.00	100.00%
101.12.51450.699500	CIP PROJECTS(E)	.00	.00	.00	100.00%
101.12.51450.721025	OTHER FINC SOURE SUBSCRIPTION(E)	.00	.00	.00	100.00%
101.12.51452.521402	CONTRACT PROGRAMMING/CONS(E)	.00	.00	.00	100.00%
101.12.51452.523205	SOFTWARE MAINTENANCE(E)	121,428.61	135,000.00	13,571.39	89.94%
101.12.51452.523295	INFO TECH SUBSCRIPTION(E)	.00	.00	.00	100.00%
101.12.51452.531901	OTHER SUPPLIES & EXPENSES(E)	.00	.00	.00	100.00%
101.12.51452.531974	SUBSCRIPTION AMORITZATION(E)	.00	.00	.00	100.00%
101.12.51452.571002	SUBSCRIPTION PRINCIPAL(E)	.00	.00	.00	100.00%
101.12.51452.572006	SUBSCRIPTION INTEREST(E)	.00	.00	.00	100.00%
101.12.51452.583200	SUBSCRIPTION CLEAR - CHG ACCTG(E)	.00	.00	.00	100.00%
101.12.51452.699007	SOFTWARE(E)	.00	.00	.00	100.00%
101.12.51452.699008	COMPUTER HARDWARE(E)	375.00	135,000.00	134,625.00	0.27%
101.12.51452.721025	OTHER FINC SOURE SUBSCRIPTION(E)	.00	.00	.00	100.00%

End.GLPeriod 326 AND [Report].FormattedAccountNumber 101.12.50000.000000{-}101.12.59999.999999

Account Number	Account Title	YTD	Budget	Variance	% Budget
<b>AccountTypeExpenditure</b>		<b>795,366.59</b>	<b>2,518,319.00</b>	<b>1,722,952.41</b>	
101.12.51450.433100	FEDERAL GRANTS-CARES ACT(R)	.00	.00	.00	100.00%
101.12.51450.461700	PUBLIC CHGS-INFO TECH SERV(R)	-600.00	-5,000.00	-4,400.00	12.00%
101.12.51450.489140	REIMB PRIOR YR EXPENDITURE(R)	.00	.00	.00	100.00%
101.12.51450.493003	APPL CONT APPR-INFO TECH SER(R)	.00	-80,000.00	-80,000.00	0.00%
101.12.51450.493004	APPL CONT APPR-ITS-HARD/S(R)	.00	-50,000.00	-50,000.00	0.00%
101.12.51450.493005	APPL CONT APPR-ITS-EQUIPM(R)	.00	.00	.00	100.00%
101.12.51450.493006	APPL CONT APPR-MAJOR SYS UPG(R)	.00	.00	.00	100.00%
101.12.51450.493007	APPL CONT APPR-LAW ENF CO(R)	.00	.00	.00	100.00%
101.12.51450.493034	APPL CONT APPR-PP EQUIP>10,0(R)	.00	.00	.00	100.00%
101.12.51450.493119	APPL CONT APPN-ITS CAP IMP(R)	.00	.00	.00	100.00%
101.12.51450.493121	APPL CONT APPN-SERVER UPGR(R)	.00	.00	.00	100.00%
101.12.51450.493122	APPL CONT APPN-MOBILE SD COM(R)	.00	.00	.00	100.00%
101.12.51450.493126	APPL CONT APPR-COPIER(R)	.00	.00	.00	100.00%
101.12.51452.461901	PUBLIC CHGS-SANITARY MAIN(R)	-22,655.00	-25,000.00	-2,345.00	90.62%
101.12.51452.493010	APPL CONT APPR-LAND REC F(R)	.00	.00	.00	100.00%
101.12.51452.493110	APPL CONT APPR-ROD REC 2010(R)	.00	-245,000.00	-245,000.00	0.00%
<b>AccountTypeRevenue</b>		<b>-23,255.00</b>	<b>-405,000.00</b>	<b>-381,745.00</b>	
<b>Fund101 - GENERAL FUND</b>		<b>772,111.59</b>	<b>2,113,319.00</b>	<b>1,341,207.41</b>	
<b>Total:</b>		<b>772,111.59</b>	<b>2,113,319.00</b>	<b>1,341,207.41</b>	

Report Criteria:  
 Report type: Invoice detail  
 Invoice Detail.GL account (5 Characters) = "10110"

Description	Vendor Number	Input Date	Invoice Date	Invoice Number	Invoice GL Account	Invoice Amount	Check Issue Date	Check Number	Check Amount
<b>AMAZON CAPITAL SERVICES LLC</b>									
OFFICE SUPPLIES	26975	03/23/2026	03/16/2026	1DTR-CYPY-6G9K	101.10.51520.531103	40.16	03/26/2026	438779	40.16
Total AMAZON CAPITAL SERVICES LLC:									40.16
<b>TOWN OF SCHOEPKE</b>									
REFUND OVERPAY	713	03/13/2026	03/13/2026	15752	101.10.51910.599901	12,824.67	03/26/2026	438853	12,824.67
Total TOWN OF SCHOEPKE:									12,824.67
Grand Totals:									12,864.83

Summary by General Ledger Account Number

GL Account	Debit	Credit	Proof
101.10.51520.531103	40.16	.00	40.16
101.10.51910.599901	12,824.67	.00	12,824.67
101.211100	.00	12,864.83-	12,864.83-
Grand Totals:	12,864.83	12,864.83-	.00

Reviewed by: \_\_\_\_\_

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_\_

End.GLPeriod 326 AND [Report].FormattedAccountNumber 101.10.50000.000000{-}101.10.59999.999999

Account Number	Account Title	YTD	Budget	Variance	% Budget
Fund101 - GENERAL FUND					
101.10.51520.511101	SALARIES-PERM EMPLOYEE(E)	18,506.82	93,190.00	74,683.18	19.85%
101.10.51520.511102	WAGES-PERM EMPLOYEE(E)	12,240.00	60,400.00	48,160.00	20.26%
101.10.51520.511103	OVERTIME WAGES(E)	.00	.00	.00	100.00%
101.10.51520.511104	WAGES-PART-TIME EMPLOYEE(E)	4,769.11	28,000.00	23,230.89	17.03%
101.10.51520.511105	WAGES-LIMITED TERM EMPLOYEE(E)	.00	1,700.00	1,700.00	0.00%
101.10.51520.511205	HOLIDAY WORKED PAY(E)	.00	.00	.00	100.00%
101.10.51520.512001	SOCIAL SECURITY(E)	2,530.12	13,900.00	11,369.88	18.20%
101.10.51520.512002	RETIREMENT-EMPLOYER'S SHARE(E)	2,217.80	11,400.00	9,182.20	19.45%
101.10.51520.512004	HEALTH/DENTAL INSURANCE(E)	16,084.40	44,175.00	28,090.60	36.41%
101.10.51520.512005	LIFE INSURANCE(E)	117.38	1,000.00	882.62	11.73%
101.10.51520.512006	WORKER'S COMPENSATION(E)	56.89	400.00	343.11	14.22%
101.10.51520.512007	INCOME CONTINUATION INS(E)	.00	.00	.00	100.00%
101.10.51520.512008	UNEMPLOYMENT COMPENSATION(E)	.00	.00	.00	100.00%
101.10.51520.512018	CASH IN LIEU OF HEALTH INS(E)	.00	.00	.00	100.00%
101.10.51520.513901	COST ALLOC-VACANCY/REDUCTION(E)	.00	.00	.00	100.00%
101.10.51520.521901	OTHER PROFESSIONAL SERVICES(E)	.00	.00	.00	100.00%
101.10.51520.522005	TELEPHONE AND FAX(E)	277.97	1,200.00	922.03	23.16%
101.10.51520.523203	MACY AND EQUIP SVC CONTRACTS(E)	.00	330.00	330.00	0.00%
101.10.51520.531101	POSTAGE AND BOX RENT(E)	599.02	17,500.00	16,900.98	3.42%
101.10.51520.531102	PRINTING AND DUPLICATION(E)	.00	.00	.00	100.00%
101.10.51520.531103	CENTRAL PURCHASING(E)	3,457.84	6,200.00	2,742.16	55.77%
101.10.51520.531201	PUBLICATION OF LEGAL NOTICES(E)	.00	250.00	250.00	0.00%
101.10.51520.531203	MEMBERSHIP DUES(E)	100.00	100.00	.00	100.00%
101.10.51520.531204	ADVERTISING(E)	.00	.00	.00	100.00%

End.GLPeriod 326 AND [Report].FormattedAccountNumber 101.10.50000.000000{-}101.10.59999.999999

Account Number	Account Title	YTD	Budget	Variance	% Budget
101.10.51520.531301	TRAINING/CONFERENCE FEES(E)	.00	250.00	250.00	0.00%
101.10.51520.531302	EMPLOYEE AUTO ALLOWANCE(E)	.00	1,200.00	1,200.00	0.00%
101.10.51520.531305	MEALS LODGING & MISC TRAVEL(E)	.00	1,200.00	1,200.00	0.00%
101.10.51521.521901	OTHER PROFESSIONAL SERVICES(E)	.00	.00	.00	100.00%
101.10.51910.599901	REFUNDS AND OFFSETS(E)	-4,477.26	.00	4,477.26	100.00%
101.10.51910.599902	TREASURER'S HOLDING(E)	.00	.00	.00	100.00%
101.10.51910.599903	BALANCE UNDER \$4(E)	-5.63	.00	5.63	100.00%
<b>AccountTypeExpenditure</b>		<b>56,474.46</b>	<b>282,395.00</b>	<b>225,920.54</b>	
101.10.51520.461020	PUBLIC CHGS-TREASURERS FEES(R)	-900.00	-2,000.00	-1,100.00	45.00%
<b>AccountTypeRevenue</b>		<b>-900.00</b>	<b>-2,000.00</b>	<b>-1,100.00</b>	
<b>Fund101 - GENERAL FUND</b>		<b>55,574.46</b>	<b>280,395.00</b>	<b>224,820.54</b>	
<b>Total:</b>		<b>55,574.46</b>	<b>280,395.00</b>	<b>224,820.54</b>	

## Report Criteria:

Report type: Invoice detail

Invoice Detail.GL account (5 Characters) = "10106","10108","10136"

Description	Vendor Number	Input Date	Invoice Date	Invoice Number	Invoice GL Account	Invoice Amount	Check Issue Date	Check Number	Check Amount
<b>AMAZON CAPITAL SERVICES LLC</b>									
AMAZON ELECTION SUPPLY ORDER 3/2/26	26975	03/02/2026	03/02/2026	1RXF-LD3N-34KQ	101.08.51440.531103	35.46	03/12/2026	438571	35.46
AMAZON ORDER 3/23/26	26975	03/24/2026	03/23/2026	1WLM-4K9J-YTK4	101.08.51420.531103	59.63	03/26/2026	438779	59.63
Total AMAZON CAPITAL SERVICES LLC:									95.09
<b>COMMAND CENTRAL LLC</b>									
BALLOT ORDER 3/5/26	15227	03/17/2026	03/05/2026	36528	101.08.51440.531102	13,749.95	03/26/2026	438794	13,749.95
BALLOT ORDER 3/9/26	15227	03/17/2026	03/09/2026	36741	101.08.51440.531102	10,513.45	03/26/2026	438794	10,513.45
Total COMMAND CENTRAL LLC:									24,263.40
<b>CORPORATE PAYMENT SYSTEMS - FINC DEPT</b>									
TRACY HARTMAN #8263	29450	03/16/2026	03/15/2026	4715 1103 0365 8855 3-15	101.08.51420.531103	26.57	03/26/2026	438795	26.57
Total CORPORATE PAYMENT SYSTEMS - FINC DEPT:									26.57
<b>GOVERNMENT FORMS &amp; SUPPLIES LLC</b>									
INVOICE #0360664 - CLEAR BALLOT BAGS	500629	03/23/2026	03/23/2026	0360664	101.08.51440.531103	1,316.19	03/26/2026	438808	1,316.19
Total GOVERNMENT FORMS & SUPPLIES LLC:									1,316.19
<b>LUMBERJACK RC&amp;D AREA</b>									
LUMBERJACK MEETING REGISTRATION	615	03/17/2026	03/17/2026	1842	101.06.51110.531301	25.00	03/26/2026	438819	25.00
Total LUMBERJACK RC&D AREA:									25.00
<b>THE LAKELAND TIMES</b>									
LAKELAND PRINTING 3/3/26	575	03/04/2026	03/03/2026	193200	101.08.51440.531201	221.33	03/12/2026	438653	221.33
LAKELAND TIMES RENEWAL - ACCOUNT 22609 - 1 YEAR /SUBSCRIPTION	575	03/23/2026	03/23/2026	032622609	101.08.51420.531102	45.00	03/26/2026	438850	45.00
LAKELAND PRINTING 3/20/26 - BALLOTS	575	03/24/2026	03/20/2026	193456	101.08.51440.531201	614.77	03/26/2026	438850	614.77
Total THE LAKELAND TIMES:									881.10

Description	Vendor Number	Input Date	Invoice Date	Invoice Number	Invoice GL Account	Invoice Amount	Check Issue Date	Check Number	Check Amount
<b>THE NORTHWOODS RIVER NEWS</b>									
FEB 17 26 MTG MINS	20507	02/25/2026	02/24/2026	193094	101.06.51110.531201	461.69	03/12/2026	438654	461.69
NORTHWOODS RIVER NEWS ABSENTEE 3/3/26	20507	03/05/2026	03/03/2026	193199	101.08.51440.531201	221.33	03/12/2026	438654	221.33
NORTHWOODS RIVER NEWS RENEWAL - ACCOUNT # 22612 - 1 YEAR SUBSCRIPTION	20507	03/23/2026	03/23/2026	032622612	101.08.51420.531102	42.00	03/26/2026	438851	42.00
THE NORTHWOODS RIVER NEWS 3/20/26 - BALLOTS	20507	03/24/2026	03/20/2026	193454	101.08.51440.531201	614.77	03/26/2026	438851	614.77
Total THE NORTHWOODS RIVER NEWS:									1,339.79
<b>WI CO MUTUAL INS CORP</b>									
WI COUNTY MUTUAL 1/1/26 - 1/1/27	6037	03/24/2026	03/18/2026	15212	101.36.51930.531753	225.00	03/26/2026	438869	225.00
Total WI CO MUTUAL INS CORP:									225.00
<b>WIESE, PAUL</b>									
2025 RISK MANAGEMENT SERVICES CONTRACT/AGREEMENTS	22760	02/26/2026	02/26/2026	ON26	101.36.51930.521901	4,093.75	03/12/2026	438683	4,093.75
Total WIESE, PAUL:									4,093.75
Grand Totals:									32,265.89

Summary by General Ledger Account Number

GL Account	Debit	Credit	Proof
101.06.51110.531201	461.69	.00	461.69
101.06.51110.531301	25.00	.00	25.00
101.08.51420.531102	87.00	.00	87.00
101.08.51420.531103	86.20	.00	86.20
101.08.51440.531102	24,263.40	.00	24,263.40
101.08.51440.531103	1,351.65	.00	1,351.65
101.08.51440.531201	1,672.20	.00	1,672.20
101.211100	.00	32,265.89-	32,265.89-
101.36.51930.521901	4,093.75	.00	4,093.75
101.36.51930.531753	225.00	.00	225.00

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GL Account	Debit	Credit	Proof
Grand Totals:	32,265.89	32,265.89-	.00

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Reviewed by: \_\_\_\_\_

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_\_

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Report Criteria:

Report type: Invoice detail

Invoice Detail.GL account (5 Characters) = "10106","10108","10136"

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Account Number	Account Title	YTD	Budget	Variance	% Budget
Fund101 - GENERAL FUND					
101.06.51110.511101	SALARIES-PERM EMPLOYEE(E)	10,493.38	40,600.00	30,106.62	25.84%
101.06.51110.511301	COMMITTEE PER DIEM(E)	4,180.00	21,000.00	16,820.00	19.90%
101.06.51110.512001	SOCIAL SECURITY(E)	1,148.76	4,200.00	3,051.24	27.35%
101.06.51110.512002	RETIREMENT-EMPLOYER'S SHARE(E)	648.54	2,520.00	1,871.46	25.73%
101.06.51110.512006	WORKER'S COMPENSATION(E)	24.02	58.00	33.98	41.41%
101.06.51110.521201	LEGAL SERVICES(E)	.00	3,800.00	3,800.00	0.00%
101.06.51110.521901	OTHER PROFESSIONAL SERVIC(E)	.00	.00	.00	100.00%
101.06.51110.531101	POSTAGE AND BOX RENT(E)	20.79	300.00	279.21	6.93%
101.06.51110.531102	PRINTING AND DUPLICATION(E)	.00	750.00	750.00	0.00%
101.06.51110.531103	CENTRAL PURCHASING(E)	.00	930.00	930.00	0.00%
101.06.51110.531201	PUBLICATION OF LEGAL NOTICES(E)	3,021.78	7,000.00	3,978.22	43.16%
101.06.51110.531202	SUBSCRIPTIONS(E)	757.00	720.00	-37.00	105.13%
101.06.51110.531203	MEMBERSHIP DUES(E)	6,936.00	6,936.00	.00	100.00%
101.06.51110.531204	ADVERTISING(E)	.00	.00	.00	100.00%
101.06.51110.531301	TRAINING/CONFERENCE FEES(E)	825.00	4,000.00	3,175.00	20.62%
101.06.51110.531302	EMPLOYEE AUTO ALLOWANCE(E)	946.87	4,200.00	3,253.13	22.54%
101.06.51110.531304	MEALS-TAXABLE(E)	.00	.00	.00	100.00%
101.06.51110.531305	MEALS LODGING & MISC TRAVEL(E)	-2,410.00	3,500.00	5,910.00	-68.85%
101.06.51110.531901	OTHER SUPPLIES & EXPENSES(E)	.00	.00	.00	100.00%
101.06.51120.511301	COMMITTEE PER DIEM(E)	7,485.00	45,700.00	38,215.00	16.37%
101.06.51120.512001	SOCIAL SECURITY(E)	654.19	3,496.00	2,841.81	18.71%
101.06.51120.512002	RETIREMENT-EMPLOYER'S SHARE(E)	.00	.00	.00	100.00%
101.06.51120.512006	WORKER'S COMPENSATION(E)	12.73	69.00	56.27	18.44%
101.06.51120.531301	TRAINING/CONFERENCE FEES(E)	.00	.00	.00	100.00%
101.06.51120.531302	EMPLOYEE AUTO ALLOWANCE(E)	5,631.53	23,500.00	17,868.47	23.96%

Account Number	Account Title	YTD	Budget	Variance	% Budget
101.06.51120.531304	MEALS-TAXABLE(E)	.00	.00	.00	100.00%
101.06.51120.531305	MEALS LODGING & MISC TRAVEL(E)	1,256.87	2,400.00	1,143.13	52.36%
101.06.51130.531305	MEALS LODGING & MISC TRAV(E)	.00	.00	.00	100.00%
101.06.51130.531901	OTHER SUPPLIES & EXPENSES(E)	.00	.00	.00	100.00%
101.08.51420.512006	WORKER'S COMPENSATION(E)	88.69	400.00	311.31	22.17%
101.08.51440.512006	WORKER'S COMPENSATION(E)	.50	2.00	1.50	25.00%
<b>AccountTypeExpenditure</b>		<b>41,721.65</b>	<b>176,081.00</b>	<b>134,359.35</b>	
101.06.51130.493001	APPL CONT APPR-COUNTY BOA(R)	.00	.00	.00	100.00%
101.06.51130.493030	APPL CONT APPR-MINERAL RESOU(R)	.00	.00	.00	100.00%
<b>AccountTypeRevenue</b>		<b>.00</b>	<b>.00</b>	<b>.00</b>	
<b>Fund101 - GENERAL FUND</b>		<b>41,721.65</b>	<b>176,081.00</b>	<b>134,359.35</b>	
<b>Total:</b>		<b>41,721.65</b>	<b>176,081.00</b>	<b>134,359.35</b>	

Account Number	Account Title	YTD	Budget	Variance	% Budget
Fund101 - GENERAL FUND					
101.08.51420.511101	SALARIES-PERM EMPLOYEE(E)	26,346.51	93,190.00	66,843.49	28.27%
101.08.51420.511102	WAGES-PERM EMPLOYEE(E)	18,660.64	67,300.00	48,639.36	27.72%
101.08.51420.511103	OVERTIME WAGES(E)	.00	100.00	100.00	0.00%
101.08.51420.511104	WAGES-PART-TIME EMPLOYEE(E)	10,232.40	37,800.00	27,567.60	27.06%
101.08.51420.511105	WAGES-LIMITED TERM EMPLOYEE(E)	.00	.00	.00	100.00%
101.08.51420.512001	SOCIAL SECURITY(E)	4,115.50	15,500.00	11,384.50	26.55%
101.08.51420.512002	RETIREMENT-EMPLOYER'S SHARE(E)	3,989.99	14,200.00	10,210.01	28.09%
101.08.51420.512004	HEALTH/DENTAL INSURANCE(E)	14,037.92	35,640.00	21,602.08	39.38%
101.08.51420.512005	LIFE INSURANCE(E)	148.38	600.00	451.62	24.73%
101.08.51420.512006	WORKER'S COMPENSATION(E)	88.69	400.00	311.31	22.17%
101.08.51420.512007	INCOME CONTINUATION INS(E)	.00	.00	.00	100.00%
101.08.51420.513901	COST ALLOC-VACANCY/REDUCTION(E)	.00	.00	.00	100.00%
101.08.51420.522005	TELEPHONE AND FAX(E)	188.01	1,200.00	1,011.99	15.66%
101.08.51420.531101	POSTAGE AND BOX RENT(E)	228.60	200.00	-28.60	114.30%
101.08.51420.531102	PRINTING AND DUPLICATION(E)	87.00	100.00	13.00	87.00%
101.08.51420.531103	CENTRAL PURCHASING(E)	4,986.68	550.00	-4,436.68	906.66%
101.08.51420.531203	MEMBERSHIP DUES(E)	175.00	150.00	-25.00	116.66%
101.08.51420.531204	ADVERTISING(E)	.00	.00	.00	100.00%
101.08.51420.531301	TRAINING/CONFERENCE FEES(E)	220.00	400.00	180.00	55.00%
101.08.51420.531302	EMPLOYEE AUTO ALLOWANCE(E)	.00	50.00	50.00	0.00%
101.08.51420.531305	MEALS LODGING & MISC TRAVEL(E)	.00	500.00	500.00	0.00%
101.08.51421.521901	OTHER PROFESSIONAL SERVICES(E)	1,295.00	3,000.00	1,705.00	43.16%
101.08.51440.511105	WAGES-LIMITED TERM EMPLOY(E)	315.00	2,000.00	1,685.00	15.75%
101.08.51440.511302	ELECTION CLERKS(E)	.00	.00	.00	100.00%
101.08.51440.512001	SOCIAL SECURITY(E)	24.10	100.00	75.90	24.10%

Account Number	Account Title	YTD	Budget	Variance	% Budget
101.08.51440.512006	WORKER'S COMPENSATION(E)	.50	2.00	1.50	25.00%
101.08.51440.531101	POSTAGE AND BOX RENT(E)	16.27	100.00	83.73	16.27%
101.08.51440.531102	PRINTING AND DUPLICATION(E)	25,644.00	107,648.00	82,004.00	23.82%
101.08.51440.531103	CENTRAL PURCHASING(E)	1,351.65	1,000.00	-351.65	135.16%
101.08.51440.531201	PUBLICATION OF LEGAL NOTICES(E)	2,250.34	5,000.00	2,749.66	45.00%
101.08.51440.531301	TRAINING/CONFERENCE FEES(E)	.00	150.00	150.00	0.00%
101.08.51440.531302	EMPLOYEE AUTO ALLOWANCE(E)	.00	.00	.00	100.00%
101.08.51440.584002	PURCHASES FOR DISTRICTS(E)	.00	.00	.00	100.00%
101.08.51440.699007	SOFTWARE(E)	.00	.00	.00	100.00%
101.08.51440.699008	COMPUTER HARDWARE(E)	.00	.00	.00	100.00%
<b>AccountTypeExpenditure</b>		<b>114,402.18</b>	<b>386,880.00</b>	<b>272,477.82</b>	
101.08.51220.461010	PUBLIC CHGS-MEDIATION FEE(R)	.00	.00	.00	100.00%
101.08.51420.442002	CTY SHARE MARRIAGE LICENSE(R)	-660.00	-5,500.00	-4,840.00	12.00%
101.08.51420.442005	CTY SHARE DOMESTIC PARTNERSH(R)	.00	.00	.00	100.00%
101.08.51420.461010	PUBLIC CHGS-MEDIATION FEES(R)	-440.00	-4,000.00	-3,560.00	11.00%
101.08.51420.461025	PUBLIC CHGS-CLERKS FEES(R)	-420.00	.00	420.00	100.00%
101.08.51440.433100	FEDERAL GRANTS-CARES ACT(R)	.00	.00	.00	100.00%
101.08.51440.472110	INTERGOV CHGS-ELECTIONS(R)	.00	-6,000.00	-6,000.00	0.00%
101.08.51440.493002	APPL CONT APPR-ELECTIONS(R)	.00	-20,000.00	-20,000.00	0.00%
101.08.51490.461303	PUBLIC CHGS-RURAL ROAD DIREC(R)	.00	.00	.00	100.00%
101.36.51930.474108	LOCAL DEPT CHGS-LIAB & INSUR(R)	.00	-495,500.00	-495,500.00	0.00%
<b>AccountTypeRevenue</b>		<b>-1,520.00</b>	<b>-531,000.00</b>	<b>-529,480.00</b>	
<b>Fund101 - GENERAL FUND</b>		<b>112,882.18</b>	<b>-144,120.00</b>	<b>-257,002.18</b>	
<b>Total:</b>		<b>112,882.18</b>	<b>-144,120.00</b>	<b>-257,002.18</b>	

Account Number	Account Title	YTD	Budget	Variance	% Budget
Fund101 - GENERAL FUND					
101.36.51540.512010	SAFETY PROGRAM(E)	.00	.00	.00	100.00%
101.36.51540.521901	OTHER PROFESSIONAL SERVICES(E)	.00	.00	.00	100.00%
101.36.51540.523201	VEHICLE REPAIR(E)	.00	.00	.00	100.00%
101.36.51540.523208	BUILDINGS MAINTENANCE(E)	.00	.00	.00	100.00%
101.36.51540.531751	INS ON BUILDINGS & CONTEN(E)	.00	.00	.00	100.00%
101.36.51540.531752	INS ON VEHICLES & EQUIPME(E)	.00	.00	.00	100.00%
101.36.51540.531753	PUBLIC LIABILITY(E)	.00	.00	.00	100.00%
101.36.51540.531754	PUBLIC LIABILITY DEDUCTIB(E)	.00	.00	.00	100.00%
101.36.51540.531760	PREMIUMS ON SURETY BONDS(E)	.00	.00	.00	100.00%
101.36.51540.531762	WORKERS COMPENSATION PREI(E)	.00	.00	.00	100.00%
101.36.51540.531764	AUTOMOBILE DEDUCTIBLE(E)	.00	.00	.00	100.00%
101.36.51540.531901	OTHER SUPPLIES & EXPENSES(E)	.00	.00	.00	100.00%
101.36.51930.521901	OTHER PROFESSIONAL SERVICES(E)	4,857.50	4,858.00	.50	99.98%
101.36.51930.523201	VEHICLE REPAIR(E)	35,989.36	35,989.36	.00	100.00%
101.36.51930.523208	BUILDINGS MAINTENANCE(E)	.00	.00	.00	100.00%
101.36.51930.531751	INS ON BUILDINGS & CONTENTS(E)	80,950.00	80,950.00	.00	100.00%
101.36.51930.531752	INS ON VEHICLES & EQUIPMENT(E)	63,826.00	63,826.00	.00	100.00%
101.36.51930.531753	PUBLIC LIABILITY(E)	144,031.44	144,031.44	.00	100.00%
101.36.51930.531754	PUBLIC LIABILITY DEDUCTIBLE(E)	45,516.00	45,516.00	.00	100.00%
101.36.51930.531756	INSURANCE ON BOILER(E)	3,030.00	3,030.00	.00	100.00%
101.36.51930.531757	AUTOMOBILE LIABILITY(E)	88,982.00	88,982.00	.00	100.00%
101.36.51930.531758	AUTOMOBILE COMPREHENSIVE(E)	.00	.00	.00	100.00%
101.36.51930.531759	OTHER INSURANCE(E)	.00	.00	.00	100.00%
101.36.51930.531760	PREMIUMS ON SURETY BONDS(E)	5,168.00	5,168.00	.00	100.00%
101.36.51930.531761	OFFICIALS BOND & NOTARY(E)	.00	.00	.00	100.00%

Account Number	Account Title	YTD	Budget	Variance	% Budget
101.36.51930.531762	WORKERS COMPENSATION PREIUM(E)	251,060.00	251,060.00	.00	100.00%
101.36.51930.531763	AUTOMOBILE COLLISION INS(E)	.00	.00	.00	100.00%
101.36.51930.531764	AUTOMOBILE DEDUCTIBLE(E)	19,029.17	19,029.17	.00	100.00%
101.36.51930.531765	DEDUCTIBLE FUND ESCROW(E)	9,715.70	9,715.70	.00	100.00%
101.36.51930.531775	STORAGE TANK INSURANCE(E)	.00	.00	.00	100.00%
<b>AccountTypeExpenditure</b>		<b>752,155.17</b>	<b>752,155.67</b>	<b>.50</b>	
101.36.51540.493014	APPL CONT APPR-INS-RISK MAN(R)	.00	-4,188.00	-4,188.00	0.00%
101.36.51930.474108	LOCAL DEPT CHGS-LIAB & INSUR(R)	-292,443.86	-292,443.86	.00	100.00%
101.36.51930.474109	LOCAL DEPT CHGS-WORK COMP(R)	-190,215.92	-190,215.92	.00	100.00%
101.36.51930.484100	INSURANCE RECOVERIES(R)	-22,226.21	-22,226.21	.00	100.00%
101.36.51930.484101	PREMIUM DIV/REFUND(R)	-59,978.11	-59,978.11	.00	100.00%
101.36.51930.489150	REIMBURSEMENT OF EXPENDIT(R)	.00	.00	.00	100.00%
101.36.51930.493013	APPL CONT APPR-INS-LIABILITY(R)	.00	.00	.00	100.00%
<b>AccountTypeRevenue</b>		<b>-564,864.10</b>	<b>-569,052.10</b>	<b>-4,188.00</b>	
<b>Fund101 - GENERAL FUND</b>		<b>187,291.07</b>	<b>183,103.57</b>	<b>-4,187.50</b>	
<b>Total:</b>		<b>187,291.07</b>	<b>183,103.57</b>	<b>-4,187.50</b>	

Project	Description	Quote Amount
Bathrooms	Many of the bathroom repairs will be covered under the general maintenance budget, including: caulking around toilets; removing and replacing shower caulk; repairing a hole in the wall; replacing rusted shower curtain rods; addressing mold on shower ceilings; repairing peeling paint; replacing dented and rusted baseboard heaters; updating worn, outdated faucets; and re-caulking the basement bathroom countertop (see attached photos). Updates to the bathroom flooring and painting are outlined below.	Except as noted below work to be completed with department budget.

Flooring Updates	Quotes have been obtained to replace all remaining flooring throughout the facility, including the basement all bathrooms; the Forest, Oneida, and Vilas wing hallways and resident rooms; as well as the offices and meditation room.		
	Downstairs - Flooring Installed Van Gogh Glue Down - 1435 SF	\$10,748.15	
	Downstairs - Bathrooms Installed Van Gogh Glue Down - 245 SF	\$2,775.05	
	Forest Wing - Hallway and Resident Rooms - Install Shaw Intellect Carpet Tiles (Cleverish) and new Vinyl Base - 2592 SF	\$14,674.68	
	Forest Wing - Bathrooms Installed Van Gogh Glue Down - 105 SF	\$1,296.45	
	Oneida Wing - Hallway and Resident Rooms - Install Shaw Intellect Carpet Tiles (Cleverish) and new Vinyl Base - 2112 SF	\$11,628.48	
	Oneida Wing - Hallway and Resident Rooms - Install Shaw Intellect Carpet Tiles (Cleverish) and new Vinyl Base - 2112 SF	\$11,628.48	
	Oneida Wing - Bathrooms Installed Van Gogh Glue Down - 105 SF	\$1,296.45	
	Vilas Wing - Hallway and Resident Rooms including Meditation Room - Install Shaw Intellect Carpet Tiles (Cleverish) and new Vinyl Base - 2352 SF	\$13,156.08	
	Vilas Wing - Bathrooms Installed Van Gogh Glue Down - 105 SF	\$1,296.45	
	Offices - Install Shaw Intellect Carpet Tiles (Cleverish) and new Vinyl Base - 1056 SF	\$6,042.24	
	<b>Totals all flooring</b>		<b>\$74,542.51</b>
	Painting/Hole Patching	Quotes have been received to prep and paint all interior areas, including resident rooms, common areas, and offices.	
		Commons Area	\$ 8,526.00
Office Areas		\$ 8,838.00	
Vilas Wing		\$ 14,544.00	
Forest Wing		\$ 21,866.00	
Oneida Wing		\$ 11,901.00	
Lower Level		\$ 7,303.00	
Smudging Area		\$ 5,830.00	
<b>Totals all painting/patching</b>		<b>\$ 78,808.00</b>	

HVAC Upgrades	Quotes have been received to upgrade the cooling system, including the air handler, air conditioners, and all related components in the office area and lower-level rec area. This also includes installing mini-split units in the resident rooms, offices, and lounge areas, along with all associated components.		
	Office Area and Lower Level Rec Area	\$	44,000.00
	Cooling for Dormitory area	\$	145,000.00
	<b>Total all areas</b>	<b>\$</b>	<b>189,000.00</b>

The MSA Professional Services facility report recommends restacking the perimeter stone and upgrading the plantings. This includes removing the existing landscaping, stone, and edging; installing new landscaping, stone, and edging; and improving drainage away from the building. The report also recommends either removing the pavers and replacing them with landscaping or installing a new concrete patio.

Landscaping			Unknown
Electric to Shed	The quote includes installing one underground meter for WPS to connect to the utility power, a 100 AMP 12-space electrical panel, two circuits connected to existing electrical fixtures, one GFCI		
	-protected receptacle near the service door, and the State of Wisconsin electrical permit.	\$	4,235.15
Blinds	The quote includes blinds for the seven windows in the group therapy room.	\$	1,842.00
		<b>Total all projects</b>	<b>\$ 348,427.66</b>

# Priority Project List

*Koinonia Residential Treatment Center 1991 E. Winnebago St. Rhinelander, WI 54501*

Buildings and Grounds was asked to review the priority list of projects and repairs submitted by Options Counseling for the Koinonia Residential Treatment Center.

The following information outlines the scope of each project, the associated cost estimates, and the quotes received for your review and consideration.

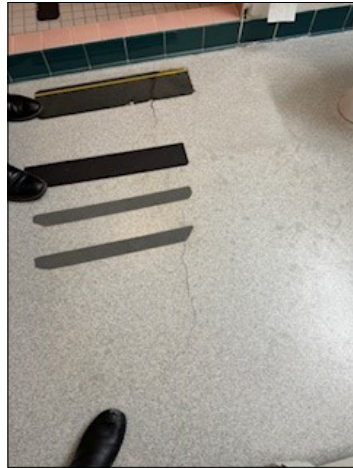
Project	Description	Quote Received (Y/N)
<b>Bathrooms</b>	<p>Many of the bathroom repairs will be covered under the general maintenance budget, including: caulking around toilets; removing and replacing shower caulk; repairing a hole in the wall; replacing rusted shower curtain rods; addressing mold on shower ceilings; repairing peeling paint; replacing dented and rusted baseboard heaters; updating worn, outdated faucets; and re-caulking the basement bathroom countertop (see attached photos).</p> <p>Updates to the bathroom flooring and painting are outlined below.</p>	N
<b>Flooring Updates</b>	<p>Quotes have been obtained to replace all remaining flooring throughout the facility, including the basement; all bathrooms; the Forest, Oneida, and Vilas wing hallways and resident rooms; as well as the offices and meditation room.</p>	Y
<b>Painting/Hole Patching</b>	<p>Quotes have been received to prep and paint all interior areas, including resident rooms, common areas, and offices.</p>	Y
<b>HVAC Upgrades</b>	<p>Quotes have been received to upgrade the cooling system, including the air handler, air conditioners, and all related components in the office area and lower-level rec area. This also includes installing mini-split units in the resident rooms, offices, and lounge areas, along with all associated components.</p>	Y
<b>Landscaping</b>	<p>The MSA Professional Services facility report recommends restacking the perimeter stone and upgrading the plantings. This includes removing the existing landscaping, stone, and edging; installing new landscaping, stone, and edging; and improving drainage away from the building. The report also recommends either removing the pavers and replacing them with landscaping or installing a new concrete patio.</p>	N
<b>Electric to Shed</b>	<p>The quote includes installing one underground meter for WPS to connect to the utility power, a 100 AMP 12-space electrical panel, two circuits connected to existing electrical fixtures, one GFCI -protected receptacle near the service door, and the State of Wisconsin electrical permit.</p>	Y
<b>Blinds</b>	<p>The quote includes blinds for the seven windows in the group therapy room.</p>	Y
<b>Additional Project to be done within the general maintenance budget</b>		
<p>Includes painting parking lot lines; repairing window wells, the coffee bar, and a kitchen drawer; replacing lights, doors and ceiling tiles; and general bathroom maintenance, such as removing and replacing old caulk, updating faucets, and replacing shower curtain rods.</p>		

# Bathrooms

\*Photos and captions courtesy of Tracy Hartman :)



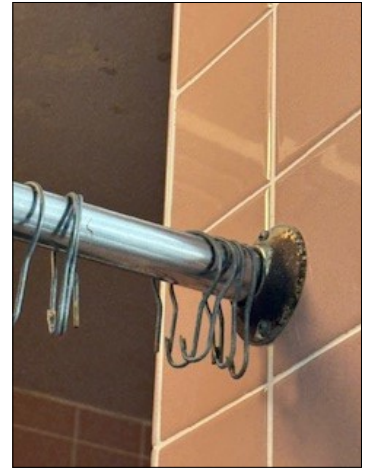
Bruce said the mold keeps coming back where new caulk was put in. They did a really bad job caulking.



Cracks in the bathroom floor



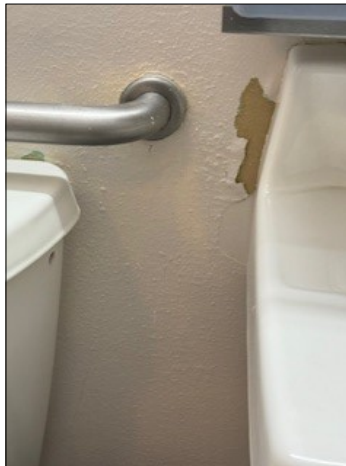
Hole in the wall. I think I only saw this in one bathroom. A number of others had peeling paint (see picture below) but I didn't see any other holes.



Shower curtain rod. Definitely rusty.



Floor boards (that's what they're called, right?) They have seen better days.



Peeling paint by a sink



Ceiling in a shower



Caulking around the toilet is cracked. This would probably be fixed when new flooring is put in but if not the caulk should be replaced.



Countertop in one of the basement bathrooms with missing caulk.



Faucet. They are just looking very worn and seems like it could be a relatively "cheap" fix.

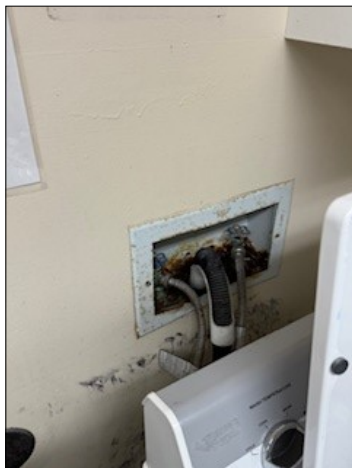
# Additional Items Requiring Attention



Door leading to the basement. Many of the doors looked like this.



Payphone area. Not a priority, more of a wish.



This is the washer hookup. If you can zoom in you will see the entire thing is very rusty.

For free expert design help, call us: 800-505-1905

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EXTRA 10% OFF WITH CODE "WINTER10" ENDS 2/1 [APPLY PROMO](#)

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### Basic Solar Roller Shades



Est. Shipping: 2/2/2026     **\$1,518.35** Promo Applied

Window Name: LIV  
Width: 79 0/0  
Height: 67 0/0  
Mount: Inside Mount  
Color: 1% Palermo Linen

Less Details ▾

SureFit - Guaranteed to Fit	Yes
Window Name	LIV
Width	79 0/0
Height	67 0/0
Mount	Inside Mount
Color	1% Palermo Linen
Lift	Chain Loop
Lift Side	Right
Chain Color	Stainless Steel
Fabric Roll Direction	Standard (from back of roll)
Valance	Square Modern Cassette <del>\$116.76</del> <b>FREE</b>
Bottom Rail	Internal Sealed Hembar

Claim 10% Off

Have A Promo Code? Enter It Here.

Subtotal (7 items) **\$2,456.10**

Shipping **FREE**

BIGWINTER (Removed) ~~\$614.05~~

Subtotal **\$1,842.05**

Starting at \$64/mo or 0% APR with **affirm**

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### Basic Solar Roller Shades



Est. Shipping: 2/2/2026     **\$323.70** Promo Applied

Window Name: LIV  
Width: 39 0/0  
Height: 67 0/0  
Mount: Inside Mount  
Color: 1% Palermo Linen

Less Details ▾

SureFit - Guaranteed to Fit	Yes
Window Name	LIV
Width	39 0/0
Height	67 0/0
Mount	Inside Mount
Color	1% Palermo Linen
Lift	Chain Loop
Lift Side	Right
Chain Color	Stainless Steel
Fabric Roll Direction	Standard (from back of roll)
Valance	Square Modern Cassette <del>\$70.09</del> <b>\$35.44</b>
Bottom Rail	Internal Sealed Hembar

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THE BLINDS.COM: 06

# Flooring Projects

Location	Scope	Cost	Quote Received (Y/N)
Downstairs - Flooring	Installed Van Gogh Glue Down - 1435 SF	\$10,748.15	Y
Downstairs - Bathrooms	Installed Van Gogh Glue Down - 245 SF	\$2,775.05	Y
Forest Wing - Hallway and Resident Rooms	Install Shaw Intellect Carpet Tiles (Cleverish) and new Vinyl Base - 2592 SF	\$14,674.68	Y
Forest Wing - Bathrooms	Installed Van Gogh Glue Down - 105 SF	\$1,296.45	Y
Oneida Wing - Hallway and Resident Rooms	Install Shaw Intellect Carpet Tiles (Cleverish) and new Vinyl Base - 2112 SF	\$11,628.48	Y
Oneida Wing - Bathrooms	Installed Van Gogh Glue Down - 105 SF	\$1,296.45	Y
Vilas Wing - Hallway and Resident Rooms including Meditation Room	Install Shaw Intellect Carpet Tiles (Cleverish) and new Vinyl Base - 2352 SF	\$13,156.08	Y
Vilas Wing - Bathrooms	Installed Van Gogh Glue Down - 105 SF	\$1,296.45	Y
Offices	Install Shaw Intellect Carpet Tiles (Cleverish) and new Vinyl Base - 1056 SF	\$6,042.24	Y

## Van Gogh Gluedown

Van Gogh gluedown luxury vinyl flooring (LVT) is a mid-price collection that features a wide selection of oak wood looks, as well as less common looks like cedar and redwood. From plain neutrals to dark rustics, there's something for everyone in this beautiful and durable collection.



## Shaw Intellect Carpet Tiles



- Coordinates with Shaw Dynamo and Shaw Genius Carpet Tiles.
- Low-priced nylon carpet tile.
- Easy to clean and maintain
- Create a custom floor or rug.
- 10-year commercial warranty and a life-time stain warranty.



DATE 1/22/26

QUOTE BY Zack

zack.carpetiers@gmail.com

39 N. Brown Street  
 Rhinelander, WI 54501  
 Phone: (715)362-5953  
 Fax:(715)362-5962

**Customer:**

**Koinonia Residential Treatment Center**

1991 E Winnebago Street

Rhinelander, WI 54501

Attn: Troy Huber

thuber@oneidacountywi.gov

DESCRIPTION		QTY	UNIT PRICE	TOTAL
Downstairs	Van Gogh Glue Down - TBD	1435 SF	4.49	6,443.15
	Install		3.00	4,305.00
				<b>10,748.15</b>
Bathrooms	Van Gogh Glue Down - TBD	245 SF	4.49	1,100.05
	Install		3.00	735.00
	Floor Prep		2.00	490.00
	Toilet R+R	3	150.00	450.00
				<b>2,775.05</b>

SUBTOTAL \$13,523.20

TAX RATE

TAX

S & H

OTHER

**TOTAL \$13,523.20**

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*Carpetiers Carpet One at (715) 362-5953*

**Thank You For Your Business!**







DATE 1/22/26  
 QUOTE BY Zack

zack.carpetiers@gmail.com

39 N. Brown Street  
 Rhinelander, WI 54501  
 Phone: (715)362-5953  
 Fax:(715)362-5962

**Customer:**

**Koinonia Residential Treatment Center**

1991 E Winnebago Street  
 Rhinelander, WI 54501  
 Attn: Troy Huber  
 thuber@oneidacountywi.gov

DESCRIPTION		QTY	UNIT PRICE	TOTAL
Oneida	Intellect - Cleverish	2112 SF	3.99	8,426.88
	Removal and Disposal of Existing		0.80	1,689.60
	Vinyl Base	504 LF	3.00	1,512.00
				<b>11,628.48</b>
Bathrooms	Karndean Van Gogh Glue Down - TBD	105 SF	4.49	471.45
	Install		3.00	315.00
	Floor Prep		2.00	210.00
	Toilet R+R	2	150.00	300.00
				<b>1,296.45</b>

SUBTOTAL	<b>\$12,924.93</b>
TAX RATE	
TAX	
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<b>TOTAL</b>	<b>\$12,924.93</b>

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DATE 1/22/26

QUOTE BY Zack

zack.carpetiers@gmail.com

39 N. Brown Street  
 Rhinelander, WI 54501  
 Phone: (715)362-5953  
 Fax:(715)362-5962

**Customer:**

**Koinonia Residential Treatment Center**

1991 E Winnebago Street

Rhinelander, WI 54501

Attn: Troy Huber

thuber@oneidacountywi.gov

DESCRIPTION		QTY	UNIT PRICE	TOTAL
Vilas + Med	Intellect - Cleverish	2352 SF	3.99	9,384.48
	Removal and Disposal of Existing		0.80	1,881.60
	Vinyl Base	630 LF	3.00	1,890.00
				<b>13,156.08</b>
Bathrooms	Van Gogh Glue Down - TBD	105 SF	4.49	471.45
	Install		3.00	315.00
	Floor Prep		2.00	210.00
	Toilet R+R	2	150.00	300.00
				<b>1,296.45</b>

SUBTOTAL \$14,452.53

TAX RATE

TAX

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**TOTAL \$14,452.53**

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# Painting Projects

Location	Scope	Cost	Quote Received (Y/N)
Commons area	Patch, prep and paint ceilings, walls, HM door frames and interior side of HM doors. Office rooms and hallways: meeting room, Bruce's office, Stairwell to lower level, hallway to other wings, Elevator doors and frames, meditation room.	\$8,526.00	Y
Office areas	Patch prep and paint ceilings, walls, HM door frames, and service windows. Office room and hallway: Reception area, file room, offices.	\$8,838.00	Y
Vilas Wing	Patch, prep and paint ceilings, walls, HM door frames and interior side of HM doors. 6 Resident rooms, (\$6944.00) hallways ceilings and walls, bathroom ceilings, and walls. (\$7600.00)	\$14,544.00	Y
Forest Wing	Patch, prep and paint ceilings, and walls, HM door frames and interior side of HM doors. 6 resident rooms, (\$6944.00) Hallway walls and ceilings, (5965.00). Office area, medicine room, intake rooms, detox rooms, 2 bathrooms, laundry room, men's rooms. (\$8957.00)	\$21,866.00	Y
Oneida Wing	Patch, prep and paint ceilings, and walls, HM door frames and interior side of HM doors. 6 resident rooms, (\$6944.00) Hallway walls, and ceilings. (\$4957.00)	\$11,901.00	Y
Lower Level	Patch, prep and paint ceilings, and walls, HM door frames and interior side of HM doors. Dining areas ceiling and walls, kitchen ceiling only, 2 rest rooms.	\$7,303.00	Y
Smudging Area	Patch, prep and paint ceilings, and walls, HM door frames and interior side of HM doors.	\$5,830.00	Y
	<b>Total</b>	<b>\$78,808.00</b>	<b>Y</b>

## Sherwin-Williams SuperPaint Interior Acrylic Latex



Make painting easier with SuperPaint®. This interior paint and primer in one applies easily, dries quickly, and offers great hide to make color changes easy. In addition to its smooth appearance, SuperPaint® coating creates a lasting finish and a surface that holds up to scrubbing.

# ESTIMATE

Lee's Painting Service  
5824 Hat Rapids Rd  
Rhineland, WI 54501-9413

leespaintingservice@charter.net  
+1 (715) 362-3786

## Bill to

Oneida County Courthouse  
Buildings and Grounds  
P.O. Box 400  
1 S. Oneida Avenue  
Rhineland, WI 54501

---

## Estimate details

P.O. Number: Koinonia, 1991 Winnebago Street

Estimate no.: 1012

Estimate date: 01/21/2026

Description	Amount
Commons area: Patch, prep and paint ceilings, walls, HM door frames and interior side of HM doors. Office rooms and hallways: meeting room, Bruce's office, Stairwell to lower level, hallway to other wings, Elevator doors and frames, meditation room.	\$8,526.00
Office areas: Patch prep and paint ceilings, walls, HM door frames, and service windows. Office room and hallway: Reception area, file room, offices.	\$8,838.00
Vilas wing: Patch, prep and paint ceilings, walls, HM door frames and interior side of HM doors. 6 Resident rooms, (\$6944.00) hallways ceilings and walls, bathroom ceilings, and walls. (\$7600.00)	\$14,544.00
Forest wing: Patch, prep and paint ceilings, and walls, HM door frames and interior side of HM doors. 6 resident rooms, (\$6944.00) Hallway walls and ceilings, (5965.00). Office area, medicine room, intake rooms, detox rooms, 2 bathrooms, laundry room, men's rooms. (\$8957.00)	\$21,866.00
Oneida Wing: Patch, prep and paint ceilings, and walls, HM door frames and interior side of HM doors. 6 resident rooms, (\$6944.00) Hallway walls, and ceilings. (\$4957.00)	\$11,901.00
Lower Level: Patch, prep and paint ceilings, and walls, HM door frames and interior side of HM doors. Dining areas ceiling and walls, kitchen ceiling only, 2 rest rooms.	\$7,303.00
Lower-Level Smudging Area: Patch, prep and paint ceilings, and walls, HM door frames and interior side of HM doors.	\$5,830.00
<b>Total</b>	<b>\$78,808.00</b>

# HVAC Projects

Location	Scope	Cost	Quote Received (Y/N)
Office Area and Lower Level Rec Area	<p>System 1 - 5 Ton Air Handler and 5 Ton Air Conditioner <i>(Complete Scope of work listed on attached quote)</i></p> <p>System 2 - 80k BTU Furnace and 4 Ton Air Conditioner <i>(Complete Scope of work listed on attached quote)</i></p> <p>System 3 - 3 Ton Air Handler and 3 Ton Air Conditioner <i>(Complete Scope of work listed on attached quote)</i></p>	\$44,000.00	Y
Cooling for Dormitory Area	<p>Provide and install (5) New Durastar Mini Split Systems to serve (20) resident rooms, (2) offices and (1) Lounge Area</p> <p>Provide and install (23) New Durastar Wall Mounted Wired Thermostats to control each individual indoor mini split head <i>(Complete Scope of work listed on attached quote)</i></p>	\$145,000.00	Y



**WALL MOUNTED**

- Single or multi-zone compatible
- Wireless remote control with "Follow-Me" technology
- Matched Durastar systems have heating capabilities as low as -13°F
- High efficiency up to 22.8 SEER
- Quiet operation as low as 25 dB

Model #	Cooling Capacity (BTU)	Heating Capacity (BTU)	Voltage	Mix. Sound Lvl.	Liquid Conn. Sz.	Gas Conn. Sz.	Weight	Height	Width	Depth
DRAW09F1A	9000	9800	208-230V	25	1/4"	3/8"	19	11.69	31.56	7.44
DRAW12F1A	12000	12000	208-230V	25	1/4"	1/2"	19	11.69	31.56	7.44
DRAW18F1A	18000	18000	208-230V	32	1/4"	1/2"	30	13.19	42.50	8.88
DGA1U24F1A	24000	25000	208-230V	33	3/8"	5/8"	31	13.19	42.50	8.88

# Rear Shed Power Project

Location	Scope	Cost	Quote Received (Y/N)
Shed/Garage located off of parking lot	<p>Estimate includes labor and material for installation of the following:</p> <ul style="list-style-type: none"> <li>• One underground meter for WPS to connect to the utility power.</li> <li>• One 100 AMP 12-space electrical panel.</li> <li>• Connect two circuits to the existing electrical fixtures.</li> <li>• One GFCI-protected receptacle near the service door.</li> <li>• The State of Wisconsin electrical permit is included in the estimate.</li> </ul>	\$4,235.15	Y





ICT ELECTRIC LLC  
1684 Menominee Drive  
Rhineland, Wisconsin 54501  
office@ictwi.com | (715) 362-3352

**BILL TO**  
Oneida County  
P O Box 400  
Rhineland, WI 54501 USA

	<b>ESTIMATE</b> 26541754	<b>ESTIMATE DATE</b> Feb 04, 2026
--	-----------------------------	--------------------------------------

**JOB ADDRESS**  
Koinonia  
1991 East Winnebago Street  
Rhineland, WI 54501 USA

**Job:** 26394800

**ESTIMATE DETAILS**

Rear Shed Power Project:  
ELECTRICAL ESTIMATE FOR LABOR AND MATERIALS AS FOLLOWS:

Estimator: Nick Hallas

Installation of the following:

- One underground meter for Wisconsin Public Service to connect to the utility power.
- One 100AMP 12-space electrical panel.
- Connect two circuits to the existing electrical fixtures.
- One GFCI-Protected receptacle near the service door.
- The State of Wisconsin electrical permit is included in the estimate.

**NOTE:**

1. Any costs associated with the utility company (if required) are NOT included in the estimate.
2. Application with the Utility Company is the responsibility of the OWNER. Please confirm your application with us when accepting your estimate.
3. THIS IS A BUDGETARY ESTIMATE. Due to unstable material prices, ICT Electric LLC will do its best to maintain the estimated price. We reserve the right to adjust the estimated costs based on market prices at the time of purchase.

<b>SUB-TOTAL</b>	\$4,235.15
<b>TAX</b>	\$0.00
<b>TOTAL</b>	\$4,235.15

Please make checks payable to:

ICT ELECTRIC LLC | 1684 Menominee Drive | Rhineland, WI. 54501

We are dedicated to providing EXCELLENT customer service | IF you have any questions, please call us at 715-362-3352

Thank you for choosing ICT Electric LLC!

**CUSTOMER AUTHORIZATION**

THIS IS AN ESTIMATE, NOT A CONTRACT FOR SERVICES. The summary above is furnished by ICT Electric, LLC as a good faith estimate of work to be performed at the location described above and is based on our evaluation and does not include material price increases or additional labor and materials which may be required should unforeseen problems arise after the work has started. I understand that the final cost of the work may differ from the estimate, perhaps materially. THIS IS NOT A GUARANTEE OF THE FINAL PRICE OF WORK TO BE PERFORMED. I agree and authorize the work as summarized on these estimated terms, and I agree to pay the full amount for all work performed.

Sign here

Date

---

**TERMS-** The terms and conditions set forth herein contain the entire agreement between ICT Electric LLC and Purchaser with respect to the subject matter hereof, and supersede all prior contemporaneous or collateral representations, agreements, understandings, inducements or conditions, express or implied, oral or written, relating hereto, except as contained in this Agreement. The terms and conditions set forth herein cannot be modified, amended, added to, or otherwise changed unless such modification, amendment, addition or change is reflected in writing signed by both ICT Electric LLC and Purchaser. No course of dealing or usage of trade or course of performance shall be relevant to explain or supplement any term expressed in this Agreement. Acceptance of this order by ICT Electric LLC shall be deemed to constitute an agreement on the Purchaser's part to the conditions hereof and supersedes all previous agreements.

**PURCHASER'S PURCHASE ORDER-** Purchaser's Purchase Order will be reviewed by ICT Electric LLC to be sure it agrees with the proposal. ICT Electric LLC reserves the right to determine the purchase order's compatibility with this proposal. If there are any differences the Purchaser will be advised, and ICT Electric LLC will insist that only the terms of this agreement will be considered valid.

**CREDIT APPROVAL -**Standard business practice suggests all orders be credit-approved, and this order shall not be binding unless credit arrangements satisfactory to ICT Electric LLC have been consummated.

**INTEREST-** Interest will be added to all overdue or otherwise delinquent accounts at the rate of 1.5% per month or the maximum legal interest allowable if less. In addition, Purchaser agrees to pay ICT Electric LLC reasonable attorney and/or collection fees and expenses if legal or collection action is necessary to collect payments for the same.

**TAXES-** The prices listed in the proposal do not include any state or local taxes. If any tax, public charge, tariff, duty, or increase therein, is now or hereafter assessed, levied, or imposed upon this transaction, on the goods to be sold, or upon any sale, delivery, or other action taken hereunder, the burden of such charge or change shall be borne by Purchaser

**INSURANCE-** Purchaser shall maintain fire, tornado and other necessary insurance on the property. ICT Electric LLC states that its workers are fully covered by Worker's Compensation Insurance.

**ALTERATIONS-** Any alteration or deviation will become an extra charge over and above the estimate, Purchaser agrees to bear any reasonable additional costs arising out of or resulting from any alteration or deviation made by Purchaser under the terms and conditions of this contract.

**CANCELLATION OF ORDER-** Purchase Orders acknowledged by ICT Electric LLC become binding contracts pursuant to the terms and conditions of this agreement. Costs incurred because of cancellation of any acknowledged purchase order make Purchaser subject to charges for all costs incurred by ICT Electric LLC processing the order to the date of cancellation,

**DELAYS-** ICT Electric LLC will not be responsible for delays due to strikes, slowdowns, shortages of material, fire, theft, vandalism, weather conditions, vendor or supplier performance, failure of suppliers or subcontractors to satisfactorily meet scheduled deliveries or any other acts or circumstances beyond their control. Purchasers shall pay ICT Electric LLC for all expenses incurred by ICT Electric LLC which arise out of delays, including delays caused by Purchaser, such as failure to timely submit necessary documents, approvals, or information needed by the seller, failure to accept delivery on a timely basis, etc. Any statement made relating to excavation or construction dates are not warranties and are not part of the basis of the contract. Present schedule dates are good faith estimates and are not contractual nor are they intended to imply that time is of the essence.

**ACCESS TO SITE-** Purchaser shall be responsible to ensure that construction crews and equipment will have easy access to the building site and will not be hampered by Overhead power lines, trees, rocks, ditches, poor driveways, inclines or any other obstacles. If assistance is required for on-site construction, this cost is payable by Purchaser.

**PURCHASER'S REPRESENTATIONS-** Purchaser represents and warrants to ICT Electric LLC that the construction site is zoned properly by the applicable governing authority for the construction contemplated under the terms of this Proposal. This Proposal shall be null and void in the event any governmental authority shall refuse to issue any necessary building or sanitary permit for the work contemplated herein.

**CONSTRUCTION LIEN RIGHTS--** As required by the Wisconsin Construction Lien Law, seller hereby notifies buyer that persons or companies furnishing labor or materials for the construction on purchaser's land may have lien rights on that land and on the buildings on that land that are not paid for such labor or materials. Those entitled to lien rights, in addition to the under-signed seller, are those who contract directly with the buyer, or those who give the buyer notice within 60 days after they first furnish labor or materials for the construction. Accordingly, purchasers probably will receive notices from those who furnish labor or materials for the construction and should give a copy of each notice received to his mortgage lender, if any. Seller agrees to cooperate with the owner and his lender, if any, to see that all potential lien claimants are duly paid.

**BACK CHARGES/DAMAGES-** ICT Electric LLC will not permit or accept any back charges for any reason nor will they accept any assessment for damages due to delivery performance unless authorized in writing by ICT Electric LLC prior to these charges being incurred.

**DAMAGES ON SITE-** Purchaser will be wholly responsible for loss or damages caused to materials stored on site, in-process construction and the contemplated project from all causes including without limitation, loss by fire and windstorm. The purchaser agrees to procure and maintain, at its own expense, insurance against such loss in a sum equal to the total project price as set forth herein. Such insurance is to be written to protect Purchaser and ICT Electric LLC, as their interests may appear. ICT Electric LLC shall be listed as co-insured until final payment is received.

**DELIVERY/COMPLETION DATES—**Delivery/completion dates acknowledged by ICT Electric LLC are estimates of the date on which the work contemplated herein will be completed and are not binding on ICT Electric LLC. Failure to deliver or perform pursuant to said delivery/completion dates for any reason whatsoever, whether in ICT Electric LLC control or not, shall not be cause for cancellation by the Purchaser or for the assertion of damages of any kind whatsoever including, but not limited to, consequential damages, against ICT Electric LLC. ICT Electric LLC shall make its best efforts to notify the Purchaser of any material delay in delivery or performance.

**WARRANTY-** ICT Electric LLC warrants to the original Purchaser that from the date of final invoices supplied by ICT Electric LLC and for one year thereafter, ICT Electric LLC will repair or replace (or pay the reasonable cost of such repair or replacement), at its sole option, any defects in such home caused by faulty materials or workmanship supplied by ICT Electric LLC under this Proposal. Standards of product acceptability or workmanship shall comply with "How Program Book of Standard". Although this warranty begins on the date of final invoice, no performance of this warranty will be made by ICT Electric LLC until ICT Electric LLC has received payment in full of Purchaser. This warranty does not apply to: 1. Materials of workmanship supplied by Purchaser, his agents, suppliers or subcontractors; 2. Any defects resulting from alteration modifications or improper maintenance of any materials, systems, appliances, equipment or fixtures supplied pursuant to this contract and specifications; 3. Dampness or condensation due to failure to maintain adequate ventilation or to properly moisture-proof basement and/or crawlspace; 4. Any workmanship, material, appliances, equipment or fixtures not provided pursuant to this Proposal; 5. Any loss or damage resulting directly or indirectly from misuse, negligence, acts of god, accident or casualty, loss or damage which occurs after the home is no longer used primarily as a residence; 6. Insect or rodent of any nature whatsoever; 7. Any problems due to radon gas infiltration. **THE EXPRESS WARRANTY STATED ABOVE IS IN PLACE OF ALL OTHER WARRANTIES OR GUARANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER SUCH WARRANTIES OR GUARANTIES ARE HEREBY DISCLAIMED AND EXCLUDED BY ICT ELECTRIC LLC.**

**LIMITATIONS AND REMEDIES-** THE SOLE AND EXCLUSIVE REMEDY OF THE PURCHASER UNDER THIS CONTRACT IS ICT ELECTRIC LLC REPAIR OR REPLACEMENT OF PARTS OR THE WORK PERFORMED BY ICT ELECTRIC LLC AT ICT ELECTRIC LLC DISCRETION, AT NO COST TO PURCHASER, FOR THE INDICATED PERIOD ABOVE, PROVIDED PURCHASER SHALL NOTIFY ICT ELECTRIC LLC IN WRITING OF SUCH DEFECT WITHIN FIFTEEN (15) DAYS OF DISCOVERY OF SUCH DEFECT. SUCH WRITING SHALL BE MAILED TO ICT ELECTRIC LLC, 1684 MENOMINEE DRIVE, RHINELANDER, WI 54501. IN THE ABSENCE OF SUCH TIMELY NOTICE, PURCHASER SHALL BE BARRED FROM THE REMEDIES AS ALLOWED HERIN. THE REMEDIES HEREIN PROVIDED PURCHASER AS TO REPLACEMENTS SHALL BE PURCHASER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS CONTRACT AND IS EXPRESSLY MADE IN SUBSTITUTION OF ANY AND ALL REMEDIES PROVIDED UNDER THE UNIFORM COMMERCIAL CODE AS ENACTED IN WISCONSIN OR ELSEWHERE. UNDER NO CIRCUMSTANCES SHALL ICT ELECTRIC LLC BE LIABLE FOR LIQUIDATED, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER. NO ACTION FOR THE ENFORCEMENT OF THE REMEDIES SET FORTH HEREIN SHALL BE COMMENCED MORE THAT ONE YEAR AFTER THE CAUSE OF ACTION ACCRUED FOR THE ENFORCEMENT OF SUCH REMEDIES.

**CHOICE OF LAW/FORUM-** Any action arising out of or related to the transactions contemplated by this proposal shall be governed and construed in accordance with the laws of the State of Wisconsin, without regard to conflict with the law's provisions wherever contained. **THE PARTIES AGREE THAT ANY LITIGATION SHALL BE CONDUCTED EXCLUSIVELY IN THE ONEIDA COUNTY CIRCUIT COURT LOCATED IN RHINELANDER, WISCONSIN, WITHOUT A JURY, AND THE PARTIES HERBY CONSENT TO SUCH JURISDICTION AND WAIVE ANY PERSONAL JURISDICTION OR VENUE OBJECTIONS (INCLUDING FORUM NON-CONVENIENS) TO SUCH FORUM.** If for any reason this stipulation covering both jurisdiction and venue shall be determined by a competent court of law to be invalid or unenforceable, then the parties hereby agree, consent and stipulate that all such claims or causes of action shall be submitted to and resolved by arbitration with the American Arbitration Association in Wisconsin.

**SEVERABILITY-** If any section (or part of a section) hereof is found to be unenforceable in each additional proceeding, then the remainder shall continue in full force and effect as is the unenforceable section (or part thereof) did not exist.

September 6, 2024

Lindsey Kennedy  
Koinonia Treatment Center  
1991 E. Winnebago St  
Rhineland, WI 54501

**Re: HVAC Upgrades for Office Area and Lower Level Rec Area**

**Proposal #: BP08012023A**

Dear Mrs. Kennedy:

We are pleased to submit our scope of work for the above-referenced project as indicated below.

Our scope of work **Lump Sum Price** for this project is: **\$44,000.00 (Forty-four Thousand Dollars)**

**Scope of Work:**

**System 1 – 5Ton Air Handler and 5Ton Air Conditioner**

1. Remove and recycle existing refrigerant in cooling system, disconnect existing refrigeration lines to be reused
2. Remove and dispose of existing American Standard Air Handler located in lower level mechanical room
3. Remove and dispose of existing American Standard Air Conditioner located on south side of building
4. Disconnect, remove and dispose of existing hot water heating coil
5. Provide and install (1) new Bryant 5Ton Air Handler with Evaporator Coil, reconnect air handler to existing sheet metal duct work and reconnect existing refrigeration lines
6. Provide and install (1) new high efficiency 5" Filter Rack to existing return air duct work
7. Provide and install (1) new Hot Water Heating Coil to be positioned in same location above air handler as previous heating coil, reconnect existing hot water supply and return lines
8. Provide and install (1) new Honeywell T8000 Pro Thermostat to control new system
9. Provide and install (1) new Powered Fresh Air Damper to be reconnect to existing flex duct and return air plenum
10. Start up and Check operation of equipment

## **System 2 – 80kbtu Furnace and 4Ton Air Conditioner**

1. Remove and recycle existing refrigerant in cooling system, disconnect existing refrigeration lines to be reused
2. Disconnect existing gas lines to furnace to be reused
3. Remove and dispose of existing American Standard Furnace located in lower level mechanical room, disconnect refrigeration lines and
4. Disconnect existing exhaust and combustion air PVC venting from furnace to be reused
5. Provide and install (1) new Bryant 96% Efficient 80kbtu Two Stage Variable Gas Furnace with Cased Evaporator Coil, reconnect furnace and evaporator coil to existing sheet metal duct work and reconnect existing refrigeration lines
6. Provide and install (1) new Bryant 4Ton Air Conditioner to be installed in place of existing unit on south side of building
7. Reconnect existing gas lines to new furnace, reconnect existing PVC exhaust and combustion air venting
8. Provide and install (1) new high efficiency 5” Filter Rack to existing return air duct work
9. Provide and install (1) new Honeywell T8000 Pro Thermostat to control new system
10. Provide and install (1) new Powered Fresh Air Damper to be reconnect to existing flex duct and return air plenum
11. Start up and Check operation of equipment

### **System 3 – 3Ton Air Handler and 3Ton Air Conditioner**

1. Remove and recycle existing refrigerant in cooling system, disconnect existing refrigeration lines to be reused
2. Remove and dispose of existing American Standard Air Handler located in upper level mechanical closet
3. Remove and dispose of existing American Standard Air Conditioner located on west side of building
4. Disconnect, remove and dispose of existing hot water heating coil
5. Provide and install (1) new Bryant 3Ton Air Handler with Evaporator Coil, reconnect air handler to existing sheet metal duct work and reconnect existing refrigeration lines
6. Provide and install (1) new Bryant 3Ton Air Conditioner to be installed in place of existing unit on west side of building
7. Provide and install (1) new high efficiency 5" Filter Rack to existing return air duct work
8. Provide and install (1) new Hot Water Heating Coil to be positioned in same location above air handler as previous heating coil, reconnect existing hot water supply and return lines
9. Provide and install (1) new Honeywell T8000 Pro Thermostat to control new system
10. Provide and install (1) new Powered Fresh Air Damper to be reconnect to existing flex duct and return air plenum
11. Start up and Check operation of equipment

#### **Our proposal includes:**

1. Labor
2. (2) Bryant Air Handlers (5Ton & 3Ton)
3. (1) Bryant Two Stage Furnace (80kbtu)
4. (3) Bryant Air Conditioners (3Ton, 4Ton, 5Ton)
5. (3) Honeywell T8000 Thermostats, (3) Powered Fresh Air Dampers
6. (2) Hot Water Heating Coils for System 1 and System 3
7. (3) 5" High Efficiency Filter Racks
8. PVC Pipe and Fittings, Gas Pipe and Fittings, Sheet Metal Duct Work
9. Miscellaneous materials to complete repairs

#### **Our proposal does not include:**

1. Tax, if applicable
2. Premium Labor
3. Electrical
4. Additional repairs or materials outside the proposed scope of work

**Due to market volatility related to material pricing, this quote is valid for 30 days.**

Notice: This proposal, attendant contract and terms is contingent on a lack of impact by the Coronavirus worldwide emergency and other uncontrollable events.

Given the existence of the coronavirus pandemic and supply chain shortages caused by other events outside of Tweet/Garot's control, Tweet/Garot will use its best efforts to staff and supply this project to meet the scheduled completion date. However, in the event that Tweet/Garot or its subcontractors or suppliers are unable to maintain planned crew sizes, or supply materials due to the illness, supply shortages, or governmental restraints on businesses, travel and/or assembly, Tweet/Garot's obligations will be suspended during the illness, supply shortages, or governmental restraints, or an extension on the time for Tweet/Garot to complete its obligations will be provided. Tweet/Garot shall provide reasonable notice of the illness, supply shortages, or governmental restraints to invoke this provision. Tweet/Garot shall also use reasonable commercial efforts to avoid or remove the cause of nonperformance and shall continue performance with reasonable dispatch whenever the cause of nonperformance is removed. To the extent that the project is suspended pursuant to the terms of the subcontract or prime contract, Tweet/Garot intends to seek additional costs associated with the suspension.

Our standard payment terms are net 30 days. Interest will be charged on past due accounts at 1.5% per month. If payment is made by credit card, a 1.5% processing fee will be charged.

Subcontractor shall issue an invoice to Customer for all amounts and fees due and owing under this Agreement. Customer shall pay all invoiced amounts and fees due to the Subcontractor per agreed upon terms based on Customer's receipt of such invoice. All payments hereunder shall be in US dollars and made by check or electronic transfer. Customer acknowledges and agrees that it is solely responsible for the prompt payment of all amounts and fees due and owing under this Agreement. In no event shall Subcontractor be responsible for lost, misdirected, misallocated, or misplaced Customer funds otherwise intended for the satisfaction of Subcontractor invoice(s) but directed to non-affiliated third parties, including Contractor. Customer acknowledges and agrees it is the sole responsibility of Customer to confirm application and allocation of Customer funds to the correct invoice(s) and agrees to indemnify and hold harmless Subcontractor regarding the same.

Acceptance of any proposal will be based upon receipt of a signed copy of this proposal or a written purchase order. All purchases are subject to Tweet/Garot Contract Terms and Conditions (see attached). Work will not commence prior to receipt of written authorization as stated above.

Thank you for the opportunity to submit this proposal. Please call (715) 460-5096 or e-mail with any questions.

Sincerely,

TWEET/GAROT MECHANICAL, INC. – WI Rapids

**Brad Philavanh**

**Service Account Manager**



**Acceptance of Proposal:**

By: \_\_\_\_\_

P.O. No. \_\_\_\_\_

Date: \_\_\_\_\_

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## CONTRACT TERMS AND CONDITIONS

- 1 **Asbestos and Hazardous Materials.** Unless specified in the scope of services, the disturbance, removal or abatement of asbestos or other hazardous materials is not provided for by the terms and conditions of this Contract and in the event that asbestos or other hazardous material is encountered and/or needs to be disturbed in order to complete this project, it will be treated as “extra Work” under Paragraph 11 of this Contract. Tweet/Garot Mechanical, Inc. may require Owner to be responsible for the removal or abatement of asbestos or any other hazardous materials found on the job site before proceeding.
- 2 **Arbitration/Dispute Resolution.** If a dispute arises out of or relates to this Contract, or the breach thereof, and if said dispute cannot be settled through informal negotiations, either party may escalate the issue to appropriate senior executive management of the parties, with final resolution targeted within fourteen (14) days of such escalation to senior executive management. In all cases, the parties agree to use good faith efforts to achieve resolution in a timely manner. If a resolution cannot be reached during the foregoing dispute resolution process, either party may commence litigation seeking the appropriate remedies and relief. Tweet/Garot and Owner agree that the federal and state courts located in Brown County, Wisconsin shall have exclusive jurisdiction over any and all disputes arising under or out of this Contract, or any document or instrument executed pursuant hereto or in connection herewith; and each further expressly submits to and agrees not to contest any such court’s exclusive jurisdiction over such matters.
- 3 **Limitation on Damages.** TWEET/GAROT MECHANICAL, INC. WILL HAVE NO LIABILITY TO OWNER OR ANY OTHER PERSON FOR LOSS OF PROFITS OR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF BREACH OF WARRANTY OR BREACH OF ANY OTHER PROVISION IN THIS CONTRACT, NEGLIGENCE OR OTHER SORT, OR OTHERWISE, EVEN IF TWEET/GAROT MECHANICAL, INC. HAS BEEN ADVISED OF THE POSSIBILITY OR LIKELIHOOD OF POTENTIAL LOSS OR DAMAGE. IN ADDITION, ANY DAMAGES FOR WHICH TWEET/GAROT MECHANICAL, INC. MAY BE LIABLE TO OWNER SHALL NOT, IN ANY EVENT, EXCEED THE TOTAL PRICE OF THE SERVICES PROVIDED BY TWEET/GAROT MECHANICAL, INC.
- 4 **Reservation of Rights of Dispute.** In the event that Tweet/Garot Mechanical, Inc. is required, or deems it appropriate, to proceed with and complete any Work which is the subject of a dispute between the Owner and Tweet/Garot Mechanical, Inc. as to whether such Work should be classified as a “change” or as an “extra”, Tweet/Garot Mechanical, Inc. may, if it deems it appropriate, but is not required to, proceed with such Work, and therefore or contemporaneously, begin arbitration in accordance with the Construction Industry Rules of the American Arbitration Association, to determine whether such Work is in fact a “change” or an “extra” without waiving any said rights, as well as determining the effect of the extra Work.
- 5 **Intellectual Property Rights.** Tweet/Garot Mechanical, Inc. shall retain all rights in its intellectual property, including all rights under any patents, patent applications, as well as any unpatented information, such as trade secrets, confidential information, trademarks, trade dress, or copyrights possessed by Tweet/Garot Mechanical, Inc. which may be protected by state, federal or common law, and nothing in the Scope of Work, Purchase Order or these Contract Terms and Conditions shall be deemed or construed to be a transfer or license of any of Tweet/Garot Mechanical, Inc.’s intellectual property. Owner shall obtain rights to such intellectual property only to the extent that Tweet/Garot Mechanical, Inc. may grant such rights (whether by license or otherwise) in writing.
- 6 **Confidentiality.** Owner shall not disclose any documentation or information that has been identified by Tweet/Garot Mechanical, Inc. as proprietary or confidential to any person, other than such of Owner’s employees and agents who need to know the information contained therein, unless prior written consent is obtained from Tweet/Garot Mechanical, Inc.. Owner shall require such employees and agents to keep confidential such information, and shall indemnify Tweet/Garot Mechanical, Inc. in the event of a breach of this provision by its employees or agents.
- 7 **Reproduction of Designs, Drawings, Plans and Specifications.** Owner recognizes that substantial effort and costs have been incurred by Tweet/Garot Mechanical, Inc. with respect to the production of the designs, drawings, plans and specifications, and other related conceptual material, (hereinafter collectively referred to as the “Plans and Specifications”) prepared by Tweet/Garot Mechanical, Inc. in order to manufacture of the product. Owner acknowledges

that all or portions of the Plans and Specifications include or represent confidential information of Tweet/Garot Mechanical, Inc. and, in some instances, Trade Secrets as such term is defined in the Wisconsin Uniform Trade Secrets Act, §134.90, Wis. Stats. Owner acknowledges that Owner shall not copy or otherwise duplicate (or allow others to copy or otherwise duplicate) any of the Plans and Specifications without the prior written consent of Tweet/Garot Mechanical, Inc. and, further, Owner shall not deliver or allow access to the Plans and Specifications, or any copies thereof, to any agent or employee of Owner who does not need to know or need to have access to such Plans and Specifications and, further, Owner shall not deliver or allow access to the Plans and Specifications to any third party without Tweet/Garot Mechanical, Inc.'s prior written consent. Unless furnished to Tweet/Garot Mechanical, Inc. by Owner or unless otherwise mutually agreed in writing, all tools, drawings, artwork, designs, plans, specifications or other materials used by Tweet/Garot Mechanical, Inc. to manufacture, provide, maintain or improve the products are and shall remain the property of Tweet/Garot Mechanical, Inc.

- 8 **Attorney Fees.** In the event legal action or arbitration is instituted for the enforcement of any term or condition of this Contract, the prevailing party shall be entitled to an award of reasonable attorney's fees in said action or arbitration, in addition to the costs and reasonable expenses incurred in the prosecution or defense of said action or arbitration.
- 9 **Removal of Debris.** Upon completion of Work, Tweet/Garot Mechanical, Inc. agrees to remove all of its own debris and surplus materials from Owner's property and leave the property in a neat and clean condition. Tweet/Garot Mechanical, Inc. will not be responsible for any charges for any pro-rated proportion of general clean-up of the premises, nor will it be responsible for the disposal of central scrap piles.
- 10 **Failure to Make Payments.** If the Owner fails to make the scheduled progress payments as defined in "Schedule of Payments," Tweet/Garot Mechanical, Inc. has the absolute right to cease the performance of any further Work until such time as payment is made. If said payment is more than ten (10) working days late, Tweet/Garot Mechanical, Inc. may treat said lateness as a material breach of this Contract and justifiably refuse to complete the balance of this Contract. Tweet/Garot Mechanical, Inc. may then institute arbitration proceedings as described herein for any and all damages incurred including but not limited to lost profits.
- 11 **Items Not the Responsibility of Tweet/Garot Mechanical, Inc.** Unless specifically included in the Scope of Services, Tweet/Garot Mechanical, Inc. shall not be held responsible for any violations of applicable building regulations or ordinances, whether cited by the appropriate authority or not. Tweet/Garot Mechanical, Inc. is not responsible for any abnormal or unusual pre-existing conditions.
- 12 **Excusable Delays.** If Tweet/Garot Mechanical, Inc. is delayed in the performance of the Work by conditions that could not be reasonably foreseen by Tweet/Garot Mechanical, Inc. or are out of the reasonable control of Tweet/Garot Mechanical, Inc., which include, but are not limited to actions taken by Owner, acts of God; fire; explosions or other casualty losses; terrorist acts; strikes, boycotts or other labor disputes; lockouts; hazardous material disturbance, abatement or removal; or acts of governmental bodies, then Owner shall grant Tweet/Garot Mechanical, Inc., a reasonable extension of time. If additional Work or costs are required of, or incurred by Tweet/Garot Mechanical, Inc. as a result of the delay, then Tweet/Garot Mechanical, Inc. shall be entitled to compensation as called for in Paragraph 11.
- 13 **Safety and OSHA Requirements.** Tweet/Garot Mechanical, Inc. agrees to comply with all local, state and national laws, including without limitation, the provisions of the Accident and Safety Health Act of 1970 and the Construction Safety Act of 1969. Tweet/Garot Mechanical, Inc. is not responsible for any liability caused by the Owner's noncompliance or any noncompliance of Owner's employees, agents, representatives or contractors. Owner shall be responsible to provide to Tweet/Garot Mechanical, Inc. personnel all pertinent Material Safety Data Sheets (MSDS) or OSHA's Hazard Communication Regulations.
- 14 **Extra Work.** Tweet/Garot Mechanical, Inc. shall provide the labor and materials specified in the Scope of Services. Additional Work not specified in the Contract will be provided only upon written authorization of Owner. However, in the event that the parties cannot agree on the sum necessary to compensate Tweet/Garot Mechanical, Inc. for the extra Work, then Tweet/Garot Mechanical, Inc. shall be paid its actual costs for the additional labor and materials as well as its normal overhead and profit. In the event that an emergency exists, then Tweet/Garot Mechanical, Inc. may

proceed upon the verbal authorization of Owner or Owner's job superintendent and request written confirmation of the verbal authorization within 72 hours, which confirmation shall not be unreasonably refused.

- 15 **Protection of Work.** To the extent noted herein, Tweet/Garot Mechanical, Inc. will protect its own Work until completion and acceptance of the Work. To allow Tweet/Garot Mechanical, Inc. to protect the Work, Owner shall provide Tweet/Garot Mechanical, Inc. adequate storage space and security on the construction site. Once Tweet/Garot Mechanical, Inc.'s Work is completed, then the Owner shall be responsible for the protection of the Work, as well as the entire project.
- 16 If Tweet/Garot Mechanical, Inc.'s Work is damaged or destroyed as a result of actions beyond the reasonable control of Tweet/Garot Mechanical, Inc. or through the negligence of persons other than Tweet/Garot Mechanical, Inc., then Tweet/Garot Mechanical, Inc. shall repair and replace said damage or destroyed Work but will do so only upon being compensated for same. Compensation shall be treated as extra Work and the compensation shall be determined as provided in Paragraph 11.
- 17 **Concealed Conditions.** In the event that Tweet/Garot Mechanical, Inc. encounters rock, groundwater, underground construction utilities or other conditions unknown to Tweet/Garot Mechanical, Inc. and not reasonably foreseeable by Tweet/Garot Mechanical, Inc., then Tweet/Garot Mechanical, Inc. shall immediately stop Work and call Owner's attention to such concealed conditions in writing. The Contract terms will be equitably adjusted in writing.
- 18 **Insurance.** Tweet/Garot Mechanical, Inc. will carry worker's compensation insurance to protect Tweet/Garot Mechanical, Inc.'s employees during the progress of the Work. The Owner shall obtain and pay for insurance for injury to its own employees and persons not under the control of Tweet/Garot Mechanical, Inc.
- 19 **Indemnification.** The Owner shall indemnify and hold harmless Tweet/Garot Mechanical, Inc. from and against any and all claims arising from Owner's use of the job site, or from the conduct of the Owner's business or from any activity, work or things done, permitted or suffered by Owner or others in or about the job site or elsewhere, and shall further indemnify and hold harmless Tweet/Garot Mechanical, Inc. from and against any and all claims arising from any breach or default in the performance of any obligations on the Owner's part to be performed under the terms of the Contract, or arising from any negligence of the Owner or any of the Owner's agents or employees, and from and against all costs, attorneys' fees, expenses and liabilities incurred in the defense of any such claims or any action or proceeding brought therein; and in case any action or proceeding be brought against Tweet/Garot Mechanical, Inc. by reason of any such claim. The Owner, upon notice from Tweet/Garot Mechanical, Inc., shall defend same at the Owner's expense by counsel satisfactory to Tweet/Garot Mechanical, Inc.
- 20 **Severability.** The terms and conditions of this Contract are severable. The unenforceability, illegality or invalidity or any provision in this Contract will not affect the enforceability, legality or validity of any other provision of this Contract. Each other provision will remain enforceable.
- 21 **Entire Agreement.** These terms and conditions and the terms set forth in Tweet/Garot Mechanical, Inc.'s Proposal to Owner are the entire agreement of the parties, supersede any prior agreements relating to the subject matter, and may not be amended or supplemented other than by a written agreement signed by each of the parties. **CONFLICTING, DIFFERENT OR ADDITIONAL TERMS OR CONDITIONS IN ANY PURCHASE ORDER OR OTHER DOCUMENT PROPOSED OR RENDERED BY OWNER WILL NOT APPLY AND TWEET/GAROT MECHANICAL, INC. SPECIFICALLY OBJECTS TO SUCH CONFLICTING, DIFFERENT OR ADDITIONAL TERMS.**

August 1, 2023

Lindsey Kennedy  
Koinonia Treatment Center  
1991 E. Winnebago St  
Rhineland, WI 54501

**Re: Cooling for Dormitory Area**

**Proposal #: BP08012023A**

Dear Mrs. Kennedy:

We are pleased to submit our scope of work for the above-referenced project as indicated below.

Our scope of work **Lump Sum Price** for this project is: **\$145,000.00 (One Hundred Forty-five Thousand dollars)**

**Scope of Work:**

1. Provide and install (5) New Durastar Mini Split Systems to serve (20) Resident Rooms, (2) Offices and (1) Lounge Area
2. Provide and install (23) New Durastar Wall Mounted Wired Thermostats to control each individual indoor mini split head
3. Provide and install all refrigeration lines to connect indoor units to outdoor units
4. Provide and install all condensate drain lines from indoor units to outside of building
5. Provide and install all refrigeration line coverings to cover exposed line sets on exterior of building; line hide coverings can be painted to match exterior wall color; painting of coverings not included
6. Subcontract Electrician to provide electrical from electrical panels to outdoor mini split systems
7. Provide owner training on operation of equipment
8. Start up and Check operation of equipment

**Our proposal includes:**

1. Labor
2. (23) Durastar 9k BTU Indoor Wall Mounted Heads
3. (5) Durastar Outdoor Heat Pump condensing units
4. (23) Wall Mounted Wired Thermostats
5. Refrigeration Lines, Condensate Drain Lines, LineHide Covering
6. Subcontract Electrical from existing panel to outdoor units
7. Miscellaneous materials to complete installation of systems

**Our proposal does not include:**

1. Tax, if applicable
2. Premium Labor
3. Upgrades to existing electrical service if needed

**Due to market volatility related to material pricing, this quote is valid for 30 days.**

Notice: This proposal, attendant contract and terms is contingent on a lack of impact by the Coronavirus worldwide emergency and other uncontrollable events.

Given the existence of the coronavirus pandemic and supply chain shortages caused by other events outside of Tweet/Garot's control, Tweet/Garot will use its best efforts to staff and supply this project to meet the scheduled completion date. However, in the event that Tweet/Garot or its subcontractors or suppliers are unable to maintain planned crew sizes, or supply materials due to the illness, supply shortages, or governmental restraints on businesses, travel and/or assembly, Tweet/Garot's obligations will be suspended during the illness, supply shortages, or governmental restraints, or an extension on the time for Tweet/Garot to complete its obligations will be provided. Tweet/Garot shall provide reasonable notice of the illness, supply shortages, or governmental restraints to invoke this provision. Tweet/Garot shall also use reasonable commercial efforts to avoid or remove the cause of nonperformance and shall continue performance with reasonable dispatch whenever the cause of nonperformance is removed. To the extent that the project is suspended pursuant to the terms of the subcontract or prime contract, Tweet/Garot intends to seek additional costs associated with the suspension.

Our standard payment terms are net 30 days. Interest will be charged on past due accounts at 1.5% per month. If payment is made by credit card, a 1.5% processing fee will be charged.

Subcontractor shall issue an invoice to Customer for all amounts and fees due and owing under this Agreement. Customer shall pay all invoiced amounts and fees due to the Subcontractor per agreed upon terms based on Customer's receipt of such invoice. All payments hereunder shall be in US dollars and made by check or electronic transfer. Customer acknowledges and agrees that it is solely responsible for the prompt payment of all amounts and fees due and owing under this Agreement. In no event shall Subcontractor be responsible for lost, misdirected, misallocated, or misplaced Customer funds otherwise intended for the satisfaction of Subcontractor invoice(s) but directed to non-affiliated third parties, including Contractor. Customer acknowledges and agrees it is the sole responsibility of Customer to confirm application and allocation of Customer funds to the correct invoice(s) and agrees to indemnify and hold harmless Subcontractor regarding the same.

Acceptance of any proposal will be based upon receipt of a signed copy of this proposal or a written purchase order. All purchases are subject to Tweet/Garot Contract Terms and Conditions (see attached). Work will not commence prior to receipt of written authorization as stated above.

Thank you for the opportunity to submit this proposal. Please call **(715) 460-5096** or e-mail with any questions.

Sincerely,

TWEET/GAROT MECHANICAL, INC. – WI Rapids

**Brad Philavanh**

**Service Account Manager**



**Acceptance of Proposal:**

By: \_\_\_\_\_

P.O. No. \_\_\_\_\_

Date: \_\_\_\_\_

## CONTRACT TERMS AND CONDITIONS

- 1 **Asbestos and Hazardous Materials.** Unless specified in the scope of services, the disturbance, removal or abatement of asbestos or other hazardous materials is not provided for by the terms and conditions of this Contract and in the event that asbestos or other hazardous material is encountered and/or needs to be disturbed in order to complete this project, it will be treated as “extra Work” under Paragraph 11 of this Contract. Tweet/Garot Mechanical, Inc. may require Owner to be responsible for the removal or abatement of asbestos or any other hazardous materials found on the job site before proceeding.
- 2 **Arbitration/Dispute Resolution.** If a dispute arises out of or relates to this Contract, or the breach thereof, and if said dispute cannot be settled through informal negotiations, either party may escalate the issue to appropriate senior executive management of the parties, with final resolution targeted within fourteen (14) days of such escalation to senior executive management. In all cases, the parties agree to use good faith efforts to achieve resolution in a timely manner. If a resolution cannot be reached during the foregoing dispute resolution process, either party may commence litigation seeking the appropriate remedies and relief. Tweet/Garot and Owner agree that the federal and state courts located in Brown County, Wisconsin shall have exclusive jurisdiction over any and all disputes arising under or out of this Contract, or any document or instrument executed pursuant hereto or in connection herewith; and each further expressly submits to and agrees not to contest any such court’s exclusive jurisdiction over such matters.
- 3 **Limitation on Damages.** TWEET/GAROT MECHANICAL, INC. WILL HAVE NO LIABILITY TO OWNER OR ANY OTHER PERSON FOR LOSS OF PROFITS OR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF BREACH OF WARRANTY OR BREACH OF ANY OTHER PROVISION IN THIS CONTRACT, NEGLIGENCE OR OTHER SORT, OR OTHERWISE, EVEN IF TWEET/GAROT MECHANICAL, INC. HAS BEEN ADVISED OF THE POSSIBILITY OR LIKELIHOOD OF POTENTIAL LOSS OR DAMAGE. IN ADDITION, ANY DAMAGES FOR WHICH TWEET/GAROT MECHANICAL, INC. MAY BE LIABLE TO OWNER SHALL NOT, IN ANY EVENT, EXCEED THE TOTAL PRICE OF THE SERVICES PROVIDED BY TWEET/GAROT MECHANICAL, INC.
- 4 **Reservation of Rights of Dispute.** In the event that Tweet/Garot Mechanical, Inc. is required, or deems it appropriate, to proceed with and complete any Work which is the subject of a dispute between the Owner and Tweet/Garot Mechanical, Inc. as to whether such Work should be classified as a “change” or as an “extra”, Tweet/Garot Mechanical, Inc. may, if it deems it appropriate, but is not required to, proceed with such Work, and therefore or contemporaneously, begin arbitration in accordance with the Construction Industry Rules of the American Arbitration Association, to determine whether such Work is in fact a “change” or an “extra” without waiving any said rights, as well as determining the effect of the extra Work.
- 5 **Intellectual Property Rights.** Tweet/Garot Mechanical, Inc. shall retain all rights in its intellectual property, including all rights under any patents, patent applications, as well as any unpatented information, such as trade secrets, confidential information, trademarks, trade dress, or copyrights possessed by Tweet/Garot Mechanical, Inc. which may be protected by state, federal or common law, and nothing in the Scope of Work, Purchase Order or these Contract Terms and Conditions shall be deemed or construed to be a transfer or license of any of Tweet/Garot Mechanical, Inc.’s intellectual property. Owner shall obtain rights to such intellectual property only to the extent that Tweet/Garot Mechanical, Inc. may grant such rights (whether by license or otherwise) in writing.
- 6 **Confidentiality.** Owner shall not disclose any documentation or information that has been identified by Tweet/Garot Mechanical, Inc. as proprietary or confidential to any person, other than such of Owner’s employees and agents who need to know the information contained therein, unless prior written consent is obtained from Tweet/Garot Mechanical, Inc.. Owner shall require such employees and agents to keep confidential such information, and shall indemnify Tweet/Garot Mechanical, Inc. in the event of a breach of this provision by its employees or agents.
- 7 **Reproduction of Designs, Drawings, Plans and Specifications.** Owner recognizes that substantial effort and costs have been incurred by Tweet/Garot Mechanical, Inc. with respect to the production of the designs, drawings, plans and specifications, and other related conceptual material, (hereinafter collectively referred to as the “Plans and Specifications”) prepared by Tweet/Garot Mechanical, Inc. in order to manufacture of the product. Owner acknowledges

that all or portions of the Plans and Specifications include or represent confidential information of Tweet/Garot Mechanical, Inc. and, in some instances, Trade Secrets as such term is defined in the Wisconsin Uniform Trade Secrets Act, §134.90, Wis. Stats. Owner acknowledges that Owner shall not copy or otherwise duplicate (or allow others to copy or otherwise duplicate) any of the Plans and Specifications without the prior written consent of Tweet/Garot Mechanical, Inc. and, further, Owner shall not deliver or allow access to the Plans and Specifications, or any copies thereof, to any agent or employee of Owner who does not need to know or need to have access to such Plans and Specifications and, further, Owner shall not deliver or allow access to the Plans and Specifications to any third party without Tweet/Garot Mechanical, Inc.'s prior written consent. Unless furnished to Tweet/Garot Mechanical, Inc. by Owner or unless otherwise mutually agreed in writing, all tools, drawings, artwork, designs, plans, specifications or other materials used by Tweet/Garot Mechanical, Inc. to manufacture, provide, maintain or improve the products are and shall remain the property of Tweet/Garot Mechanical, Inc.

- 8 **Attorney Fees.** In the event legal action or arbitration is instituted for the enforcement of any term or condition of this Contract, the prevailing party shall be entitled to an award of reasonable attorney's fees in said action or arbitration, in addition to the costs and reasonable expenses incurred in the prosecution or defense of said action or arbitration.
- 9 **Removal of Debris.** Upon completion of Work, Tweet/Garot Mechanical, Inc. agrees to remove all of its own debris and surplus materials from Owner's property and leave the property in a neat and clean condition. Tweet/Garot Mechanical, Inc. will not be responsible for any charges for any pro-rated proportion of general clean-up of the premises, nor will it be responsible for the disposal of central scrap piles.
- 10 **Failure to Make Payments.** If the Owner fails to make the scheduled progress payments as defined in "Schedule of Payments," Tweet/Garot Mechanical, Inc. has the absolute right to cease the performance of any further Work until such time as payment is made. If said payment is more than ten (10) working days late, Tweet/Garot Mechanical, Inc. may treat said lateness as a material breach of this Contract and justifiably refuse to complete the balance of this Contract. Tweet/Garot Mechanical, Inc. may then institute arbitration proceedings as described herein for any and all damages incurred including but not limited to lost profits.
- 11 **Items Not the Responsibility of Tweet/Garot Mechanical, Inc.** Unless specifically included in the Scope of Services, Tweet/Garot Mechanical, Inc. shall not be held responsible for any violations of applicable building regulations or ordinances, whether cited by the appropriate authority or not. Tweet/Garot Mechanical, Inc. is not responsible for any abnormal or unusual pre-existing conditions.
- 12 **Excusable Delays.** If Tweet/Garot Mechanical, Inc. is delayed in the performance of the Work by conditions that could not be reasonably foreseen by Tweet/Garot Mechanical, Inc. or are out of the reasonable control of Tweet/Garot Mechanical, Inc., which include, but are not limited to actions taken by Owner, acts of God; fire; explosions or other casualty losses; terrorist acts; strikes, boycotts or other labor disputes; lockouts; hazardous material disturbance, abatement or removal; or acts of governmental bodies, then Owner shall grant Tweet/Garot Mechanical, Inc., a reasonable extension of time. If additional Work or costs are required of, or incurred by Tweet/Garot Mechanical, Inc. as a result of the delay, then Tweet/Garot Mechanical, Inc. shall be entitled to compensation as called for in Paragraph 11.
- 13 **Safety and OSHA Requirements.** Tweet/Garot Mechanical, Inc. agrees to comply with all local, state and national laws, including without limitation, the provisions of the Accident and Safety Health Act of 1970 and the Construction Safety Act of 1969. Tweet/Garot Mechanical, Inc. is not responsible for any liability caused by the Owner's noncompliance or any noncompliance of Owner's employees, agents, representatives or contractors. Owner shall be responsible to provide to Tweet/Garot Mechanical, Inc. personnel all pertinent Material Safety Data Sheets (MSDS) or OSHA's Hazard Communication Regulations.
- 14 **Extra Work.** Tweet/Garot Mechanical, Inc. shall provide the labor and materials specified in the Scope of Services. Additional Work not specified in the Contract will be provided only upon written authorization of Owner. However, in the event that the parties cannot agree on the sum necessary to compensate Tweet/Garot Mechanical, Inc. for the extra Work, then Tweet/Garot Mechanical, Inc. shall be paid its actual costs for the additional labor and materials as well as its normal overhead and profit. In the event that an emergency exists, then Tweet/Garot Mechanical, Inc. may

proceed upon the verbal authorization of Owner or Owner's job superintendent and request written confirmation of the verbal authorization within 72 hours, which confirmation shall not be unreasonably refused.

- 15 **Protection of Work.** To the extent noted herein, Tweet/Garot Mechanical, Inc. will protect its own Work until completion and acceptance of the Work. To allow Tweet/Garot Mechanical, Inc. to protect the Work, Owner shall provide Tweet/Garot Mechanical, Inc. adequate storage space and security on the construction site. Once Tweet/Garot Mechanical, Inc.'s Work is completed, then the Owner shall be responsible for the protection of the Work, as well as the entire project.
- 16 If Tweet/Garot Mechanical, Inc.'s Work is damaged or destroyed as a result of actions beyond the reasonable control of Tweet/Garot Mechanical, Inc. or through the negligence of persons other than Tweet/Garot Mechanical, Inc., then Tweet/Garot Mechanical, Inc. shall repair and replace said damage or destroyed Work but will do so only upon being compensated for same. Compensation shall be treated as extra Work and the compensation shall be determined as provided in Paragraph 11.
- 17 **Concealed Conditions.** In the event that Tweet/Garot Mechanical, Inc. encounters rock, groundwater, underground construction utilities or other conditions unknown to Tweet/Garot Mechanical, Inc. and not reasonably foreseeable by Tweet/Garot Mechanical, Inc., then Tweet/Garot Mechanical, Inc. shall immediately stop Work and call Owner's attention to such concealed conditions in writing. The Contract terms will be equitably adjusted in writing.
- 18 **Insurance.** Tweet/Garot Mechanical, Inc. will carry worker's compensation insurance to protect Tweet/Garot Mechanical, Inc.'s employees during the progress of the Work. The Owner shall obtain and pay for insurance for injury to its own employees and persons not under the control of Tweet/Garot Mechanical, Inc.
- 19 **Indemnification.** The Owner shall indemnify and hold harmless Tweet/Garot Mechanical, Inc. from and against any and all claims arising from Owner's use of the job site, or from the conduct of the Owner's business or from any activity, work or things done, permitted or suffered by Owner or others in or about the job site or elsewhere, and shall further indemnify and hold harmless Tweet/Garot Mechanical, Inc. from and against any and all claims arising from any breach or default in the performance of any obligations on the Owner's part to be performed under the terms of the Contract, or arising from any negligence of the Owner or any of the Owner's agents or employees, and from and against all costs, attorneys' fees, expenses and liabilities incurred in the defense of any such claims or any action or proceeding brought therein; and in case any action or proceeding be brought against Tweet/Garot Mechanical, Inc. by reason of any such claim. The Owner, upon notice from Tweet/Garot Mechanical, Inc., shall defend same at the Owner's expense by counsel satisfactory to Tweet/Garot Mechanical, Inc.
- 20 **Severability.** The terms and conditions of this Contract are severable. The unenforceability, illegality or invalidity or any provision in this Contract will not affect the enforceability, legality or validity of any other provision of this Contract. Each other provision will remain enforceable.
- 21 **Entire Agreement.** These terms and conditions and the terms set forth in Tweet/Garot Mechanical, Inc.'s Proposal to Owner are the entire agreement of the parties, supersede any prior agreements relating to the subject matter, and may not be amended or supplemented other than by a written agreement signed by each of the parties. **CONFLICTING, DIFFERENT OR ADDITIONAL TERMS OR CONDITIONS IN ANY PURCHASE ORDER OR OTHER DOCUMENT PROPOSED OR RENDERED BY OWNER WILL NOT APPLY AND TWEET/GAROT MECHANICAL, INC. SPECIFICALLY OBJECTS TO SUCH CONFLICTING, DIFFERENT OR ADDITIONAL TERMS.**

114S

**Legacy™ Line Single-Stage Air Conditioner  
with Puron® Refrigerant  
1-1/2 To 5 Tons**



**Product Data**



**Industry leading  
Features / Benefits**

**Efficiency**

- 13.4 - 16.0 SEER2 (13.5 - 16.5 SEER) / 11.0 - 13.5 EER2 (11.0 - 14.5 EER)
- Microtube Technology refrigeration system
- Indoor air quality accessories available

**Reliability**

- Puron refrigerant - environmentally sound, won't deplete the ozone layer and low lifetime service cost.
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- Filter drier

**Durability**

Duraguard™ Protection Package:

- Solid, durable sheet metal construction
- Dense wire coil guard

**Applications**

- Long-line – up to 250 feet (76.20 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.4 m) evaporator above condenser (See Long Line Guide for more information.)
- Low ambient cooling (down to 0°F / -18°C ) with approved low ambient accessory kits.

This unit has designed utilizing Bryant's Puron refrigerant. The environmentally sound refrigerant allows you to make a responsible decision in the protection of the earth's ozone layer.

**NOTE:** Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory ([www.ahridirectory.org](http://www.ahridirectory.org)) for the most up-to-date ratings information.

**STANDARD FEATURES**

Features	18	24	30	36	42	48	60
Puron Refrigerant	X	X	X	X	X	X	X
SEER2 (Range depending on indoor combination)	13.4 - 16.0	13.4 - 16.0	13.4 - 16.0	13.4 - 15.0	13.4 - 15.5	13.4 - 15.2	13.4 - 14.0
Scroll Compressor	X	X	X	X	X	X	X
Field Installed Filter Drier	X	X	X	X	X	X	X
Front Seating Service Valves	X	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X	X
Long Line Capability	X	X	X	X	X	X	X
Low Ambient Capability with Kit	X	X	X	X	X	X	X

## MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7,8,9			10	11	12
1	1	4	S	A	N	0	3	6	0	0	N
Product Family	Tier & Refrigerant	SEER2	OD Design Type	Major Series	Voltage	Cooling Capacity			Feature	Special Feature	Region
1=AC	1 = Legacy R410A	4 = 13.4 SEER2	S = Single Stage	A-Z=Major Series	N = 208-230-1 or 208/230-1 P = 208-230-3 or 208/230-3 E = 460-3	<b>018</b> = 18,000 BTUH (1.5 Tons) <b>024</b> = 24,000 BTUH (2 Tons) <b>030</b> = 30,000 BTUH (2.5 Tons) <b>036</b> = 36,000 BTUH (3 Tons) <b>042</b> = 42,000 BTUH (2 Tons) <b>048</b> = 48,000 BTUH (4 Tons) <b>060</b> = 60,000 BTUH (5 Tons)			0 = Standard	0 = Standard	N= AC North

## CATALOG ORDERING NUMBERS

Size	Model Number
18	114SAN01800N
24	114SAN02400N
30	114SAN03000N
36	114SAN03600N
42	114SAN04200N
48	114SAN04800N
60	114SAN06000N

**Puron**



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program For verification of certification for individual products, go to [www.ahridirectory.org](http://www.ahridirectory.org).



Quality ISO 9001  
SAI GLOBAL



## Physical Data

UNIT SIZE	18	24	30	36	42	48	60
<b>Compressor Type</b>	Scroll						
<b>REFRIGERANT</b>	Puron® (R-410A)						
Control	TXV ( Hard Shutoff)						
Factory Charge lb (kg)*	3.50 (1.59)†	4.00 (1.81)†	6.00 (2.72)	5.20 (2.36)	7.90 (3.58)	8.90 (4.04)	9.10 (4.13)
<b>COND FAN</b>	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	1600	1800	2500	2750	4100	3850	4000
Motor HP	1/12	1/12	1/10	1/5	1/4	1/4	1/4
Motor RPM	1100	1100	1100	1100	1100	1100	1100
<b>COND COIL</b>							
Face Area (Sq ft)	8.4	9.8	17.1	12.9	23.6	15.0	19.3
Fins per In.	25	25	25	20	25	20	20
Rows	1	1	1	1	1	2	2
Circuits	3	5	4	5	7	6	9
<b>VALVE CONNECT. (In. ID)</b>							
Vapor	3/4	3/4	3/4	7/8	7/8	7/8	7/8
Liquid	3/8"						
<b>REFRIGERANT TUBES* (In. OD)</b>							
Rated Vapor‡	3/4	3/4	3/4	7/8	7/8	7/8	1-1/8
Rated Liquid Line**	3/8"						

\*.For 15 ft. lineset

†.To reach 15 ft. of line set, add 18 oz for the 18 size and 6 oz for the 24 size. Adjust per installation instructions. Refrigerant charge also varies with indoor unit; refer to refrigerant charge label.

‡.Units are rated with 25 ft (7.6 m) of lineset length. See Vapor Line Sizing and Cooling Capacity Loss table when using other sizes and lengths of lineset.

\*\*See Liquid Line Sizing For Cooling Only Systems with Puron Refrigerant tables.

Note: See unit Installation Instruction for proper installation.

## REFRIGERANT PIPING LENGTH LIMITATIONS

### Liquid Line Sizing and Maximum Total Equivalent Lengths for Cooling Only Systems with Puron® Refrigerant:

The maximum allowable length of a residential split system depends on the liquid line diameter and vertical separation between indoor and outdoor units.

See Table below for liquid line sizing and maximum lengths :

**Table 1 – Maximum Total Equivalent Length\*  
Outdoor Unit BELOW Indoor Unit**

Size	Liquid Line Connection	Liquid Line Diam. w/ TXV	AC with Puron Refrigerant Maximum Total Equivalent Length†: Outdoor unit BELOW Indoor Vertical Separation ft (m)								
			0-5 (0-1.5)	6-10 (1.8-3.0)	11-20 (3.4-6.1)	21-30 (6.4-9.1)	31-40 (9.4-12.2)	41-50 (12.5-15.2)	51-60 (15.5-18.3)	61-70 (18.6-21.3)	71-80 (21.6-24.4)
18000	3/8	1/4	150	150	125	100	100	75	--	--	--
		5/16	250*	250*	250*	250*	250*	250*	250*	225*	150
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
24000	3/8	1/4	75	75	75	50	50	--	--	--	--
		5/16	250*	250*	250*	250*	250*	225*	175	125	100
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
30000	3/8	1/4	30	--	--	--	--	--	--	--	--
		5/16	175	225*	200	175	125	100	75	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
36000	3/8	5/16	175	150	150	100	100	100	75	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
42000	3/8	5/16	125	100	100	75	75	50	--	--	--
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	150
48000	3/8	3/8	250*	250*	250*	250*	250*	250*	230	160	--
60000	3/8	3/8	250*	250*	250*	225*	190	150	110	--	--

\*.Maximum actual length not to exceed 200 ft (61 m)

†.Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

-- = outside acceptable range

**Table 2 – Maximum\* Total Equivalent Length  
Outdoor Unit ABOVE Indoor Unit**

Size	Liquid Line Connection	Liquid Line Diam. w/ TXV	AC with Puron Refrigerant Maximum Total Equivalent Length†: Outdoor unit ABOVE Indoor Vertical Separation ft (m)								
			25 (7.6)	26-50 (7.9-15.2)	51-75 (15.5-22.9)	76-100 (23.2-30.5)	101-125 (30.8-38.1)	126-150 (38.4-45.7)	151-175 (46.0-53.3)	176-200 (53.6-61.0)	
18000	3/8	1/4	175	250*	250*	250*	250*	250*	250*	250*	250*
		5/16	250*	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
24000	3/8	1/4	100	125	175	200	225*	250*	250*	250*	250*
		5/16	250*	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
30000	3/8	1/4	30	--	--	--	--	--	--	--	--
		5/16	250*	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
36000	3/8	5/16	225*	250*	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
42000	3/8	5/16	175	200	250*	250*	250*	250*	250*	250*	250*
		3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
48000	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*
60000	3/8	3/8	250*	250*	250*	250*	250*	250*	250*	250*	250*

\*.Maximum actual length not to exceed 200 ft (61 m)

†.Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

-- = Outside acceptable range

**Table 3 – Refrigerant Charge Adjustments**

Liquid Line Size	Puron Charge oz/ft (g/m)
3/8	0.60 (17.74) (Factory charge for lineset = 9 oz / 266.16 g)
5/16	0.40 (11.83)
1/4	0.27 (7.98)

Units are factory charged for 15 ft (4.6 m) of 3/8" liquid line. The factory charge for 3/8" lineset 9 oz.(266.16 g). When using other length or diameter liquid lines, charge adjustments are required per the chart above.

**Charging Formula:**

[(Lineset oz/ft X total length) – (factory charge for lineset)] = charge adjustment

**Example 1:** System has 15 ft of lineset\* using existing 1/4" liquid line. What charge adjustment is required?

Formula:(.27 oz/ft X 15ft) – (9 oz) = (-4.95) oz.

Net result is to remove 4.95 oz of refrigerant from the system

**Example 2:** System has 45 ft of existing 5/16" liquid line. What is the charge adjustment?

Formula:(.40 oz/ft. X 45ft) – (9 oz.) = 9 oz.

Net result is to add 9 oz of refrigerant to the system

**NOTE:** Conditions must be favorable for charging by subcooling method. Indoor temperature must be 70°F to 80°F (21°C to 27°C), and outdoor temperature must be 70°F to 100°F (21°C to 38°C). If outside these conditions, adjust charge for long linesets by weigh-in method.

\* When applicable. Refer to Physical Data Table in this PD and to the Installation Instructions for more information.

**Long Line Applications**

An application is considered Long Line, when the refrigerant level in the system requires the use of accessories to maintain acceptable refrigerant management for systems reliability. See Accessory Usage Guideline table for required accessories. Defining a system as long line depends on the liquid line diameter, actual length of the tubing, and vertical separation between the indoor and outdoor units.

For Air Conditioner systems, the chart below shows when an application is considered Long Line.

**Table 4 – AC with Puron® Refrigerant Long Line Description ft (m) Beyond these lengths, a TXV is required**

Total Length	Outdoor Unit Above or Below Indoor Unit
TXV required beyond 50 ft. (15.2 m)	TXV required beyond 20 ft. (6.1 m)

**Table 5 – AC with Puron® Refrigerant Long Line Description ft (m) (Beyond these lengths, long line accessories are required)**

Liquid Line Size	Units On Same Level	Outdoor Below Indoor	Outdoor Above Indoor
1/4 + TXV	No accessories needed within allowed lengths	No accessories needed within allowed lengths	175 (53.3)
5/16 + TXV	120 (36.6)	50 (15.2) vertical or 120 (36.6) total	120 (36.6)
3/8 + TXV	80 (24.4)	35 (10.7) vertical or 80 (24.4) total	80 (24.4)

Note: See Residential Piping and Long Line Guideline for details

## VAPOR LINE SIZING AND COOLING CAPACITY LOSS

Acceptable vapor line diameters provide adequate oil return to the compressor while avoiding excessive capacity loss. The suction line diameters shown in the chart below are acceptable for AC systems with **Puron®** refrigerant:

**Table 6 – Vapor Line Sizing and Cooling Capacity Losses — Puron® Refrigerant 1-Stage Air Conditioner Applications**

Unit Nominal Size (Btuh)	Maximum Liquid Line Diameters (In. OD)	Vapor Line Diameters (In. OD)	Cooling Capacity Loss (%) Total Equivalent Line Length ft. (m) 1-Stage AC with Puron®								
			26-50 (7.9-15.2)	51-80 (15.5-24.4)	81-100 (24.7-30.5)	101-125 (30.8-38.1)	126-150 (38.4-45.7)	151-175 (46.0-53.3)	176-200 (53.6-61.0)	201-225 (61.3-68.6)	226-250 (68.9-76.2)
18	3/8	1/2	1	2	3	5	6	7	8	9	11
		5/8	0	1	1	1	2	2	2	3	3
		3/4	0	0	0	0	1	1	1	1	1
24	3/8	5/8	0	1	2	2	3	3	4	5	5
		3/4	0	0	1	1	1	1	1	2	2
		7/8	0	0	0	0	0	1	1	1	1
30	3/8	5/8	1	2	3	3	4	5	6	7	8
		3/4	0	0	1	1	1	2	2	2	3
		7/8	0	0	0	0	1	1	1	1	1
36	3/8	5/8	1	2	4	5	6	8	9	10	12
		3/4	0	1	1	2	2	3	3	4	4
		7/8	0	0	0	1	1	1	1	2	2
42	3/8	3/4	0	1	2	2	3	4	4	5	6
		7/8	0	0	1	1	1	2	2	2	3
		1 1/8	0	0	0	0	0	0	0	0	0
48	3/8	3/4	0	1	2	3	4	5	5	6	7
		7/8	0	0	1	1	2	2	2	3	3
		1 1/8	0	0	0	0	0	0	0	1	1
60	3/8	3/4	1	2	4	5	6	7	9	10	11
		7/8	0	1	2	2	3	4	4	5	5
		1 1/8	0	0	0	1	1	1	1	1	1

Applications in this area may be long line and may have height restrictions. See the Residential Piping and Long Line Guideline.

**ACCESSORIES**

<b>KIT NUMBER</b>	<b>KIT NAME</b>	<b>18</b>	<b>24</b>	<b>30</b>	<b>36</b>	<b>42</b>	<b>48</b>	<b>60</b>
KSAFT0101AAA	FRZ THERM KIT	X	X	X	X	X	X	X
KAATD0101TDR	TIME DELAY KIT (90 second TDR)	X	X	X	X	X	X	X
KAATD0201TDR	TIME DELAY KIT (30 second TDR)	X	X	X	X	X	X	X
KSALA0301410	LOW AMBIENT COOLING KIT	X	X	X	X	X	X	X
KSALA1001AAA	MOTORMASTER KIT	X	X	X	X	X	X	X
KSAHS2501AAA	HARD START KIT	X	X	X	X	X	X	X
KSACY0101AAA	CYCLE PROTR KIT	X	X	X	X	X	X	X
KSASF0201AAA	SPRT FEET KIT	X	X	X	X	X	X	X
KAALS0201LLS*	SOL VALVE KIT	X	X	X	X	X	X	X
KAAWS0101AAA	WINTER ST KIT	X	X	X	X	X	X	X
KAALP0401PUR	LOW PRESSURE SW KIT	X	X	X	X	X	X	X
KAAHI0501PUR	HIGH PRESSURE SW KIT	X	X	X	X	X	X	X
KAACH1701AAA	CRKC HTR KIT	X	X	X	X			
KAACH1601AAA	CRKC HTR KIT					X	X	X
KSATX0201PUR	TXV KIT (For use with copper coils)	X	X	X				
KSATX0301PUR	TXV KIT (For use with copper coils)				X	X		
KSATX0401PUR	TXV KIT (For use with copper coils)						X	X
KSBTX0201PUR	TXV KIT (For use with aluminum coils)	X	X	X				
KSBTX0301PUR	TXV KIT (For use with aluminum coils)				X	X		
KSBTX0401PUR	TXV KIT (For use with aluminum coils)						X	X
KSASH2301COP	SOUND BLKT KIT	X	X	X	X			
KSASH2401COP	SOUND BLKT KIT					X	X	X

X = Accessory

## ACCESSORY USAGE GUIDELINE

ACCESSORY	REQUIRED FOR LOW-AMBIENT COOLING APPLICATIONS (Below 55°F/12.8°C)	REQUIRED FOR LONG LINE APPLICATIONS*	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles/3.22 km)
Ball Bearing Fan Motor	Standard	Standard	Standard
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Hard Shut-Off TXV	Yes	Yes	No
Liquid Line Solenoid Valve	No	See Long Line Guideline	No
MotorMaster® Control or Low-ambient Pressure Switch	Yes	No	No
Support Feet	Recommended	No	Recommended
Winter Start Control	Yes†	No	No

\*.For tubing set lengths between 80 and 200 ft. (24 and 61 m) horizontal or 35 ft. (10.7 m) vertical differential (total equivalent length), refer to the Residential Split-System Long Line Application Guideline.

†.Required if Low Pressure Switch is factory or field installed.

### Accessory Description and Usage (Listed Alphabetically)

#### 1. Ball-Bearing Fan Motor

A fan motor with ball bearings which permits speed reduction while maintaining bearing lubrication.

Usage Guideline:

Required on all units when MotorMaster® is used.

#### 2. Compressor Start Assist - Capacitor and Relay

Start capacitor and relay gives a "hard" boost to compressor motor at each start up.

Usage Guideline:

Required for single-phase scroll compressors in the following applications:

Long line

Low ambient cooling

Suggested for all compressors in areas with a history of low voltage problems.

#### 3. Crankcase Heater

An electric resistance heater which mounts to the base of the compressor to keep the lubricant warm during off cycles. Improves compressor lubrication on restart and minimizes the chance of liquid slugging.

Usage Guideline:

Required in low ambient cooling applications.

Required in long line applications.

Suggested in all commercial applications.

#### 4. Cycle Protector

The cycle protector is designed to prevent compressor short cycling. This control provides an approximate 5-minute delay after power to the compressor has been interrupted for any reason, including power outage, protector control trip, thermostat jiggling, or normal cycling.

#### 5. Evaporator Freeze Thermostat

An SPST temperature-actuated switch that stops unit operation when evaporator reaches freeze-up conditions.

Usage Guideline:

Required when low ambient kit has been added.

#### 6. Low-Ambient Pressure Switch Kit

A long life pressure switch which is mounted to outdoor unit service valve. It is designed to cycle the outdoor fan motor in order to maintain head pressure within normal operating limits (approximately 100 psig to 225 psig). The control will maintain working head pressure at low-ambient temperatures down to 0°F (-18°C) when properly installed and also using wind baffles. Instructions provided in accessory kit.

Usage Guideline:

A Low-Ambient Pressure Switch or MotorMaster® Low-Ambient Controller must be used when cooling operation is used at outdoor temperatures below 55°F (12.8°C).

#### 7. MotorMaster® Low-Ambient Controller

A fan-speed control device activated by a temperature sensor, designed to control condenser fan motor speed in response to the saturated, condensing temperature during operation in cooling mode only. For outdoor temperatures down to -10°F/-23.3°C, it maintains condensing temperature at 100°F ±10°F (37.8°C ±5.5°C).

Usage Guideline:

A MotorMaster® Low Ambient Controller or Low-Ambient Pressure Switch must be used when cooling operation is used at outdoor temperatures below 55°F (12.8°C).

Suggested for all commercial applications.

#### 8. Outdoor Air Temperature Sensor

This device enables the thermostat to display the outdoor temperature. This device is also required to enable special thermostat features such as auxiliary heat lock out.

Usage Guideline:

Suggested for use with compatible Bryant thermostats.

#### 9. Sound Hood

Wraparound sound reducing cover for the compressor. Reduces the sound level of the compressor.

Usage Guideline:

Suggested when unit is installed closer than 15 ft (4.57 m) to quiet areas, bedrooms, etc.

Suggested when unit is installed between two houses less than 10 ft (3 m) apart.

## Accessory Description and Usage (Listed Alphabetically) Continued

### 10. Support Feet

Four or five stick-on plastic feet that raise the unit 4 in. (101.6 mm) above the mounting pad. This allows sand, dirt, and other debris to be flushed from the unit base, minimizing corrosion.

Usage Guideline:

Suggested in the following applications:

- Coastal installations.
- Windy areas or where debris is normally circulating.
- Rooftop installations.
- For improved sound ratings.

### 11. Thermostatic Expansion Valve (TXV)

A modulating flow-control valve which meters refrigerant liquid flow rate into the evaporator in response to the superheat of the refrigerant gas leaving the evaporator.

Kit includes valve, adapter tubes, and external equalizer tube. Hard shut off types are available.

Usage Guideline:

- Required to achieve AHRI ratings in certain equipment combinations. Refer to combination ratings.
- Hard shut off TXV or LLS required in air conditioner long line applications.
- Required for use on all zoning systems.

### 12. Time-Delay Relay

An SPST delay relay which briefly continues operation of indoor blower motor to provide additional cooling after the compressor cycles off.

**NOTE:** Most indoor unit controls include this feature. For those that do not, use the guideline below.

Usage Guideline:

For improved efficiency ratings for certain combinations of indoor and outdoor units. Refer to AHRI Directory of Certified Product Performance (AHRI Directory).

When a Time-Delay Relay (TDR) is called for in the AHRI Directory, use a 30 second TDR for MicroChannel Indoor units and use a 90 second TDR for Round Tube Plate Fin Indoor units.

### 13. Winter Start Control

This control is designed to alleviate nuisance opening of the low-pressure switch by bypassing it for the first 3 minutes of operation.

## AHRI RATINGS

For AHRI ratings certificates, please refer to the AHRI directory [www.ahridirectory.org](http://www.ahridirectory.org)

Additional ratings and system combinations can be accessed via the Ratings Database here: [MyBryantRatings](#)

## Electrical Data

UNIT SIZE	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MAX FUSE† or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA		
18	208-230/1	253	197	48.0	8.00	0.40	10.4	15
24				59.5	11.70	0.50	15.1	25
30				64.3	11.80	0.75	15.6	25
36				80.1	12.20	1.05	16.4	25
42				110.2	17.70	1.40	23.5	40
48				124.0	18.50	1.40	24.5	40
60				150.0	25.60	1.52	33.5	50

\*.Permissible limits of the voltage range at which the unit will operate satisfactorily

†.Time-Delay fuse.

FLA- Full Load Amps

LRA - Locked Rotor Amps

MCA- Minimum Circuit Amps

RLA- Rated Load Amps

NOTE:Control circuit is 24V on all units and requires external power source. Copper wire must be used from service disconnect to unit.

All motors/compressors contain internal overload protection.

Complies with requirements of ASHRAE Standards 90.1

## Sound Power Level without sound shield

UNIT SIZE	STANDARD RATING (dBA)	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment) (dB)						
		125	250	500	1000	2000	4000	8000
18	75	68.9	65.3	65.6	71.4	68.4	63.8	61.2
24	74	66.9	72.6	70.0	70.7	66.6	62.7	59.2
30	73	69.5	68.9	68.9	68.5	62.8	60.0	57.4
36	75	70.8	73.6	71.5	69.5	66.1	63.6	58.1
42	73	73.9	72.6	70.3	68.2	64.3	61.2	57.3
48	76	72.3	74.1	71.2	70.6	63.8	61.6	55.9
60	76	70.0	75.0	71.9	73.7	66.0	61.7	56.3

NOTE: Tested in compliance with AHRI 270 but not listed with AHRI.

## Sound Power Level with Accessory sound shield

UNIT SIZE	STANDARD RATING (dBA)	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment) (dB)						
		125	250	500	1000	2000	4000	8000
18	75	66.4	67.0	66.1	71.5	66.6	62.5	61.1
24	74	68.4	72.2	70.4	70.2	66.0	62.3	58.5
30	72	69.3	69.7	68.8	68.0	62.4	59.5	55.7
36	75	71.0	73.7	71.2	69.0	65.4	63.0	57.7
42	73	75.3	71.7	70.0	68.1	63.9	60.2	55.3
48	74	73.3	74.2	71.6	69.9	63.8	60.4	54.7
60	75	70.2	73.9	71.8	72.4	64.2	60.4	54.6

NOTE: Tested in compliance with AHRI 270 but not listed with AHRI.

## Charging Subcooling (TXV-Type Expansion Device)

UNIT SIZE	REQUIRED SUBCOOLING (F)	Indoor
18	14	TXV
24	10	
30	10	
36	10	
42	11	
48	12	
60	12	

# DIMENSIONS

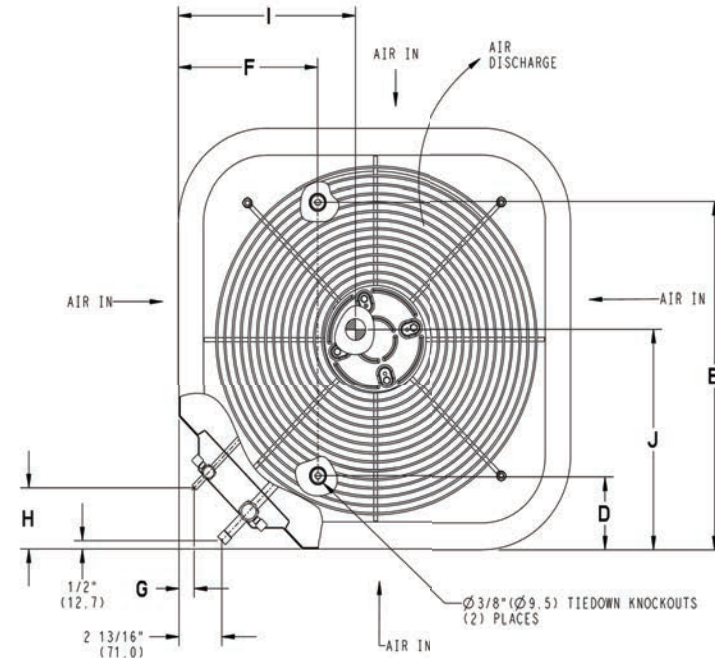
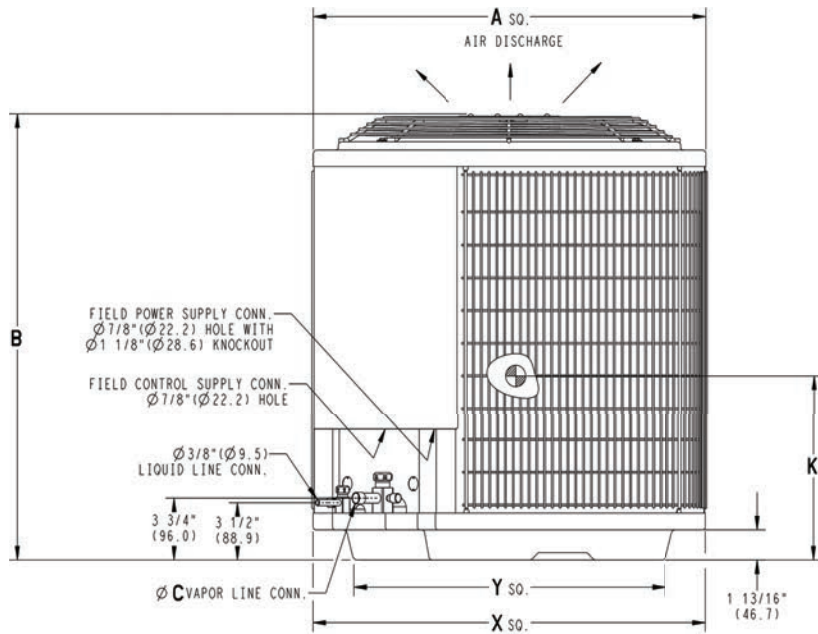
UNIT	SERIES	ELECTRICAL CHARACTERISTICS				A		B		C		D		E		F		G		H		I		J		K		OPERATING WEIGHT		SHIPPING WEIGHT		SHIPPING LENGTH / WIDTH (Sq.)		SHIPPING HEIGHT	
		Y	N	N	N	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	Lbs	Kgs	Lbs	Kgs	INCH	MM	INCH	MM
114SA*018*0N	A	Y	N	N	N	23 1/8	587.3	25 5/16	642.9	3/4	19.1	4 7/16	113.0	18 1/16	459.0	7 13/16	197.9	5/16	7.9	3	76.2	11	279.4	10 1/2	266.7	10 1/4	260.4	100	45.4	109	49.4	26	660.0	30 9/16	775.7
114SA*024*0N	A	Y	N	N	N	25 3/4	654.0	25 5/16	642.4	3/4	19.1	4 7/16	113.0	21 1/4	539.9	9 1/8	231.3	5/16	7.9	3	76.2	13 1/2	342.9	13	330.2	12 1/2	317.5	111	50.3	121	54.9	28 3/4	730.0	30 9/16	775.7
114SA*030*0N	A	Y	N	N	N	31 3/16	792.5	32 1/16	815.1	3/4	19.1	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	15	381.0	15 3/4	400.1	16	406.4	139	63.0	161	73.0	34 1/4	870.0	37 5/16	947.9
114SA*036*0N	A	Y	N	N	N	31 3/16	792.5	25 5/16	642.4	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	14 1/2	368.3	15	381.0	11 1/2	292.1	132	59.9	146	66.2	34 1/4	870.0	30 1/2	775.2
114SA*042*0N	A	Y	N	N	N	31 3/16	792.5	42 5/16	1074.2	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	17	431.8	15 1/2	393.7	22 1/2	571.5	181	82.1	203	92.1	34 1/4	870.0	47 1/2	1207.1
114SA*048*0N	A	Y	N	N	N	31 3/16	792.5	28 11/16	728.7	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	14 1/2	368.3	14 1/2	368.3	12 1/2	317.5	171	77.6	190	86.2	34 1/4	870.0	33 15/16	861.6
114SA*060*0N	A	Y	N	N	N	31 3/16	792.5	35 1/2	901.4	7/8	22.2	6 9/16	166.1	24 11/16	626.3	9 1/8	231.3	5/16	7.9	3	76.2	15 1/2	393.7	16	406.4	18 1/2	469.9	190	86.2	206	93.4	34 1/4	870.0	40 3/4	1034.3

208-230-1-60	208/230-3-60	460-3-60	575-3-60
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Y=YES  
N=NO

**NOTES:**

1. CENTER OF GRAVITY



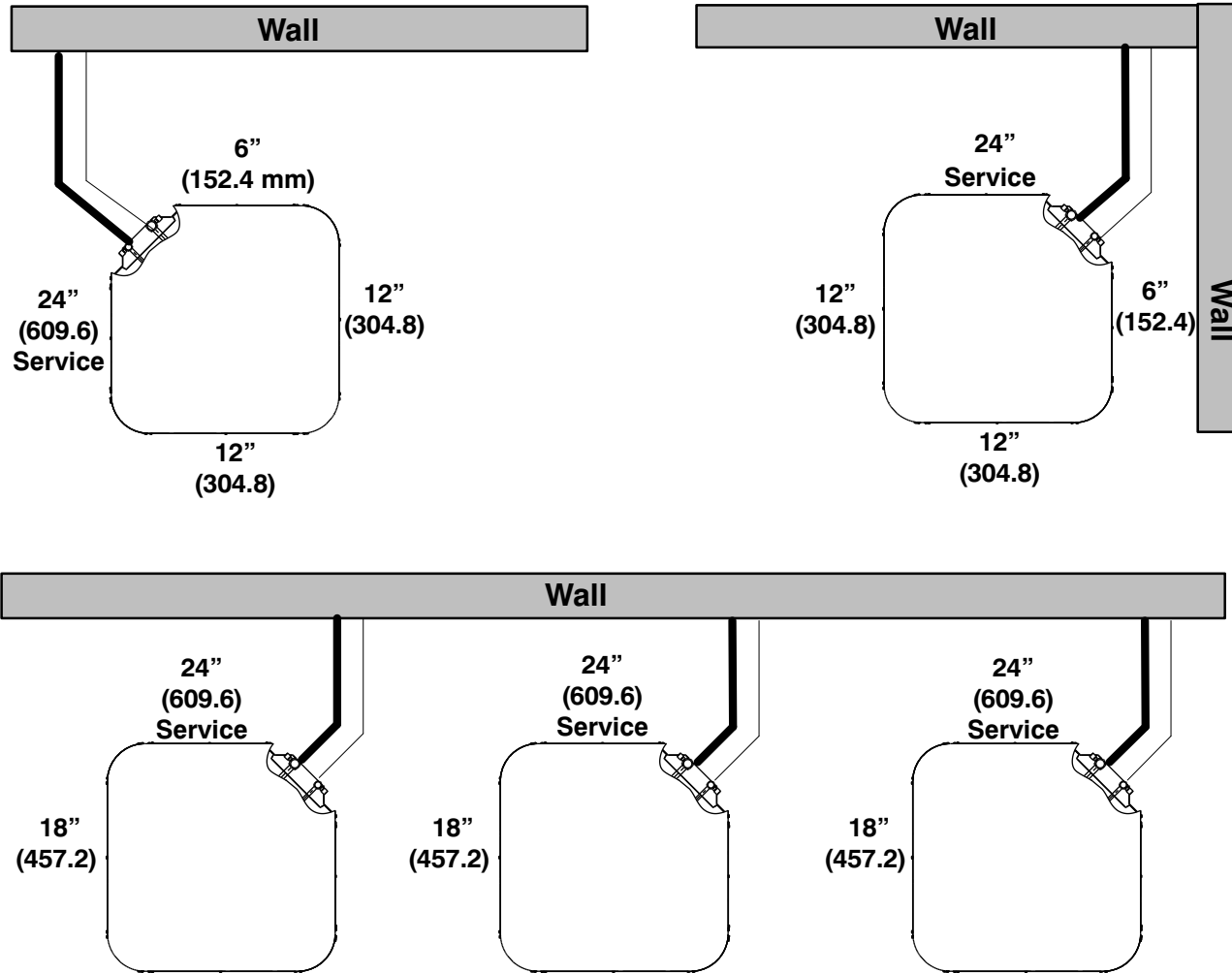
UNIT SIZE	"X"		"Y"	
	MINIMUM GROUND MOUNTING PAD APPLICATION DIMENSIONS		MINIMUM ROOF-TOP MOUNTING PAD APPLICATION DIMENSIONS	
18	23 1/8	587.3	17 7/8	454.6
24	25 3/4	654.0	20 7/16	518.5
30,36,42,48,60	31 3/16	792.5	22 15/16	583.2
-	35	889.0	26 3/4	679.7

NOTE: ALL DIMENSIONS IN INCH (MM)

U.S. ECCN: Not Subject to Regulation (N.S.R.)

# Clearances

## Clearances (various examples)



**Note:** Numbers in ( ) = mm  
 Allow 48" above unit

**IMPORTANT:** When installing multiple units in an alcove, roof well, or partially enclosed area, ensure there is adequate ventilation to prevent re-circulation of discharge air.

# DETAILED COOLING CAPACITIES

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																					
		75 (23.9)				85 (29.4)				95 (35)				105 (40.6)				115 (46.1)			125 (51.7)		
		CFM	EWB	Capacity MBtuh		Total Sys.	Capacity MBtuh		Total Sys.	Capacity MBtuh		Total Sys.	Capacity MBtuh		Total Sys.	Capacity MBtuh		Total Sys.	Capacity MBtuh		Total Sys.		
Total	Sens‡			kW**	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**				
<b>114SAN01800N Outdoor Section With CAP**1917AL* Indoor Section</b>																							
525	72.0 (22.2)	21.36	10.47	1.23	20.54	10.18	1.37	19.58	9.85	1.53	18.48	9.48	1.71	17.26	9.08	1.92	15.94	8.64	2.17				
	67.0 (19.4)	19.43	12.90	1.23	18.64	12.60	1.37	17.71	12.25	1.53	16.65	11.85	1.71	15.50	11.43	1.92	14.28	10.99	2.18				
	63.0 (17.2)††	18.04	12.41	1.23	17.26	12.09	1.38	16.34	11.72	1.54	15.33	11.32	1.72	14.22	10.88	1.94	13.09	10.44	2.20				
	62.0 (16.7)	17.67	15.27	1.23	16.91	14.94	1.38	16.03	14.55	1.53	15.15	15.15	1.72	14.30	14.30	1.93	13.39	13.39	2.19				
	57.0 (13.9)	17.21	17.21	1.23	16.61	16.61	1.38	15.91	15.91	1.53	15.12	15.12	1.72	14.28	14.28	1.93	13.37	13.37	2.19				
600	72.0 (22.2)	21.71	11.04	1.26	20.87	10.75	1.41	19.88	10.42	1.57	18.74	10.05	1.74	17.49	9.64	1.95	16.13	9.21	2.20				
	67.0 (19.4)	19.77	13.82	1.26	18.96	13.52	1.41	18.00	13.17	1.57	16.91	12.77	1.75	15.73	12.34	1.96	14.47	11.89	2.21				
	63.0 (17.2)††	18.38	13.28	1.27	17.58	12.96	1.41	16.64	12.58	1.57	15.59	12.17	1.75	14.46	11.73	1.97	13.28	11.27	2.23				
	62.0 (16.7)	18.08	18.08	1.27	17.38	17.38	1.41	16.64	16.64	1.57	15.80	15.80	1.75	14.90	14.90	1.96	13.92	13.92	2.22				
	57.0 (13.9)	17.98	17.98	1.27	17.35	17.35	1.41	16.61	16.61	1.57	15.78	15.78	1.75	14.87	14.87	1.96	13.90	13.90	2.22				
675	72.0 (22.2)	21.95	11.59	1.30	21.09	11.31	1.44	20.07	10.98	1.60	18.92	10.60	1.78	17.64	10.20	1.99	16.24	9.76	2.23				
	67.0 (19.4)	20.01	14.72	1.30	19.19	14.42	1.44	18.21	14.07	1.60	17.11	13.66	1.78	15.90	13.23	1.99	14.62	12.76	2.24				
	63.0 (17.2)††	18.63	14.11	1.30	17.82	13.79	1.44	16.85	13.41	1.60	15.78	12.99	1.79	14.63	12.54	2.00	13.43	12.05	2.26				
	62.0 (16.7)	18.64	18.64	1.30	17.99	17.99	1.44	17.22	17.22	1.60	16.34	16.34	1.78	15.39	15.39	1.99	14.36	14.36	2.25				
	57.0 (13.9)	18.61	18.61	1.30	17.96	17.96	1.44	17.19	17.19	1.60	16.32	16.32	1.78	15.37	15.37	1.99	14.34	14.34	2.25				
<b>114SAN02400N Outdoor Section With CSPVA2414XMC* Indoor Section</b>																							
700	72 (22.2)	27.12	13.79	1.58	26.00	13.38	1.76	24.79	12.92	1.96	23.58	12.43	2.19	22.15	11.88	2.46	20.56	11.27	2.76				
	67 (19.4)	24.86	16.90	1.59	23.89	16.45	1.77	22.79	15.97	1.97	21.51	15.43	2.20	20.19	14.83	2.48	18.69	14.18	2.79				
	63 (17.2)††	23.09	16.32	1.59	22.19	15.88	1.77	21.10	15.38	1.98	19.93	14.79	2.22	18.64	14.19	2.49	17.22	13.52	2.80				
	62 (16.7)	22.57	19.79	1.59	21.76	19.40	1.77	20.76	18.96	1.98	19.56	18.32	2.22	18.39	17.79	2.49	17.32	17.32	2.80				
	57 (13.9)	22.09	22.09	1.60	21.50	21.50	1.78	20.38	20.38	1.98	19.57	19.57	2.22	18.45	18.45	2.49	17.26	17.26	2.80				
805	72 (22.2)	27.54	14.33	1.62	26.39	13.90	1.80	25.30	13.43	2.00	23.98	12.89	2.24	22.47	12.35	2.50	20.75	11.69	2.80				
	67 (19.4)	25.37	17.77	1.63	24.34	17.32	1.81	23.20	16.82	2.02	21.80	16.17	2.24	20.50	15.65	2.52	18.97	14.99	2.83				
	63 (17.2)††	23.58	17.13	1.64	22.58	16.65	1.82	21.52	16.23	2.02	20.09	15.48	2.25	18.94	14.94	2.54	17.47	14.28	2.85				
	62 (16.7)	23.07	21.03	1.64	22.18	20.62	1.82	21.12	20.11	2.03	19.93	17.98	2.26	19.13	19.13	2.53	17.90	17.90	2.85				
	57 (13.9)	23.01	23.01	1.64	22.07	22.07	1.82	21.13	21.13	2.03	20.28	20.28	2.26	19.09	19.09	2.54	17.83	17.83	2.84				
900	72 (22.2)	27.81	14.76	1.66	26.65	14.31	1.84	25.58	13.83	2.04	24.30	13.30	2.28	22.68	12.74	2.54	21.00	12.11	2.85				
	67 (19.4)	25.70	18.49	1.68	24.63	18.03	1.85	23.44	17.51	2.06	22.14	16.94	2.29	20.70	16.35	2.56	19.12	15.69	2.87				
	63 (17.2)††	23.95	17.84	1.68	22.89	17.33	1.86	21.75	16.80	2.07	20.49	16.21	2.30	19.13	15.58	2.58	17.61	14.90	2.89				
	62 (16.7)	23.47	22.13	1.68	22.96	21.92	1.86	21.56	21.56	2.07	20.53	20.53	2.29	19.56	19.56	2.57	18.17	18.17	2.87				
	57 (13.9)	23.63	23.63	1.68	22.77	22.77	1.86	21.69	21.69	2.07	20.71	20.71	2.30	19.56	19.56	2.58	18.18	18.18	2.88				
<b>114SAN03000N Outdoor Section With CAP**3721AL* Indoor Section</b>																							
875	72 (22.2)	34.39	17.38	1.99	32.89	16.86	2.20	31.29	16.31	2.44	29.57	15.72	2.72	27.69	15.09	3.05	25.62	14.41	3.43				
	67 (19.4)	31.24	21.52	2.00	29.86	20.98	2.21	28.39	20.42	2.45	26.82	19.83	2.73	25.09	19.18	3.06	23.18	18.47	3.44				
	63 (17.2)††	29.00	20.68	2.01	27.71	20.14	2.22	26.34	19.58	2.46	24.85	18.97	2.74	23.23	18.32	3.07	21.41	17.59	3.46				
	62 (16.7)	28.48	25.54	2.01	27.24	24.97	2.22	25.99	25.99	2.46	24.73	24.73	2.76	23.45	23.45	3.07	21.92	21.92	3.54				
	57 (13.9)	27.96	27.96	2.01	26.96	26.96	2.22	25.89	25.89	2.46	24.71	24.71	2.75	23.41	23.41	3.07	21.95	21.95	3.45				
1000	72 (22.2)	34.92	18.35	2.05	33.36	17.82	2.25	31.70	17.27	2.49	29.96	16.72	2.79	27.97	16.03	3.11	25.83	15.34	3.49				
	67 (19.4)	31.76	23.06	2.06	30.32	22.52	2.26	28.80	21.95	2.50	27.22	21.35	2.80	25.39	20.68	3.12	23.43	19.96	3.50				
	63 (17.2)††	29.51	22.12	2.07	28.16	21.56	2.27	26.74	20.99	2.51	25.19	20.35	2.82	23.52	19.70	3.13	21.69	18.97	3.51				
	62 (16.7)	29.20	29.20	2.07	28.12	28.12	2.27	26.96	26.96	2.51	25.70	25.70	2.79	24.31	24.31	3.12	22.75	22.75	3.50				
	57 (13.9)	29.16	29.16	2.07	28.07	28.07	2.27	26.92	26.92	2.51	25.67	25.67	2.80	24.27	24.27	3.12	22.72	22.72	3.50				
1125	72 (22.2)	35.29	19.30	2.10	33.68	18.77	2.31	31.97	18.21	2.55	30.14	17.61	2.83	28.14	16.96	3.16	25.95	16.25	3.54				
	67 (19.4)	32.14	24.57	2.12	30.66	24.01	2.32	29.10	23.43	2.56	27.45	22.81	2.85	25.61	22.13	3.17	23.66	21.36	3.57				
	63 (17.2)††	29.88	23.51	2.13	28.49	22.95	2.33	27.03	22.36	2.57	25.46	21.73	2.85	23.75	21.03	3.18	21.90	20.22	3.56				
	62 (16.7)	30.19	30.19	2.12	29.04	29.04	2.33	27.81	27.81	2.57	26.50	26.50	2.86	25.01	25.01	3.18	23.37	23.37	3.55				
	57 (13.9)	30.14	30.14	2.12	29.00	29.00	2.33	27.77	27.77	2.57	26.46	26.46	2.85	24.98	24.98	3.18	23.34	23.34	3.55				

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# DETAILED COOLING CAPACITIES

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																				
		75 (23.9)				85 (29.4)				95 (35)				105 (40.6)				115 (46.1)			125 (51.7)	
		CFM	EWB	Capacity MBtuh		Total Sys. kW**	Capacity MBtuh		Total Sys. kW**	Capacity MBtuh		Total Sys. kW**	Capacity MBtuh		Total Sys. kW**	Capacity MBtuh		Total Sys. kW**	Capacity MBtuh		Total Sys. kW**	
Total	Sens†			Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		
<b>114SAN03600N Outdoor Section With CVPVA3721XMC* Indoor Section</b>																						
1090	72 (22.2)	40.69	19.90	2.41	38.81	19.27	2.66	36.90	18.55	2.93	34.80	17.74	3.24	32.32	16.95	3.61	29.76	16.06	4.05			
	67 (19.4)	37.24	24.64	2.42	35.72	23.66	2.67	33.80	23.24	2.94	31.87	22.38	3.25	29.66	21.55	3.61	27.24	20.62	4.06			
	63 (17.2)††	34.67	23.82	2.41	33.26	23.01	2.67	31.46	22.47	2.94	29.62	21.58	3.25	27.60	20.72	3.61	25.33	19.76	4.04			
	62 (16.7)	34.01	29.13	2.41	32.44	28.47	2.67	30.82	27.76	2.94	29.10	27.01	3.25	27.71	27.71	3.61	25.82	25.82	4.05			
	57 (13.9)	33.39	33.39	2.41	32.23	32.23	2.67	30.78	30.78	2.94	29.37	29.37	3.25	27.60	27.60	3.60	25.78	25.78	4.05			
1200	72 (22.2)	41.15	20.46	2.46	39.22	19.82	2.71	37.24	19.05	2.98	35.04	18.27	3.29	32.56	17.45	3.66	29.93	16.53	4.10			
	67 (19.4)	37.72	25.54	2.46	36.08	24.90	2.72	34.15	24.09	2.99	32.09	23.27	3.30	29.90	22.38	3.66	27.42	21.47	4.10			
	63 (17.2)††	35.02	23.92	2.47	33.56	23.97	2.72	31.80	23.19	2.99	29.92	22.39	3.30	27.84	21.51	3.66	25.50	20.53	4.10			
	62 (16.7)	34.48	30.45	2.47	32.90	29.75	2.72	31.91	29.92	2.99	30.06	30.06	3.30	28.26	28.26	3.66	26.48	26.48	4.10			
	57 (13.9)	34.26	34.26	2.47	33.05	33.05	2.72	31.54	31.54	2.99	30.03	30.03	3.30	28.25	28.25	3.67	26.28	26.28	4.10			
1350	72 (22.2)	41.63	21.14	2.52	39.74	20.44	2.78	37.66	19.72	3.05	35.34	18.92	3.36	32.83	18.06	3.73	30.09	17.10	4.17			
	67 (19.4)	38.24	26.68	2.53	36.46	25.96	2.78	34.51	25.20	3.06	32.34	24.42	3.37	30.09	23.49	3.73	27.57	22.55	4.17			
	63 (17.2)††	35.61	25.70	2.53	33.97	25.00	2.79	32.14	24.21	3.06	30.10	23.35	3.36	28.07	22.60	3.73	25.65	21.51	4.16			
	62 (16.7)	36.30	29.92	2.54	34.32	32.06	2.79	32.34	32.34	3.06	30.75	30.75	3.37	28.95	28.95	3.73	26.86	26.86	4.17			
	57 (13.9)	35.27	35.27	2.53	33.95	33.95	2.79	32.44	32.44	3.06	30.72	30.72	3.37	28.85	28.85	3.73	26.83	26.83	4.17			
<b>114SAN04200N Outdoor Section With CAP**6124AL* Indoor Section</b>																						
1225	72 (22.2)	46.39	23.82	2.89	44.31	23.00	3.17	42.29	22.15	3.47	40.04	21.26	3.82	37.65	20.36	4.21	35.07	19.31	4.64			
	67 (19.4)	42.01	28.83	2.89	40.38	28.12	3.16	38.40	27.16	3.47	36.33	26.24	3.81	34.14	25.28	4.20	31.79	24.24	4.64			
	63 (17.2)††	38.81	27.78	2.89	37.18	26.96	3.16	35.44	26.12	3.46	33.55	25.22	3.81	31.50	24.24	4.19	29.30	23.18	4.62			
	62 (16.7)	38.00	33.69	2.89	36.43	32.85	3.16	34.78	32.08	3.46	32.89	31.10	3.80	30.92	30.17	4.19	29.16	29.16	4.62			
	57 (13.9)	36.62	36.62	2.89	35.50	35.50	3.16	34.20	34.20	3.46	32.74	32.74	3.80	31.07	31.07	4.19	29.26	29.26	4.62			
1380	72 (22.2)	47.19	24.61	2.97	45.21	23.77	3.24	43.00	22.90	3.55	40.67	21.99	3.90	38.13	21.02	4.29	35.43	19.99	4.72			
	67 (19.4)	42.84	30.07	2.97	40.94	29.23	3.24	39.00	28.34	3.55	36.87	27.42	3.89	34.60	26.43	4.28	32.13	25.38	4.71			
	63 (17.2)††	39.55	28.93	2.97	37.86	28.10	3.24	36.04	27.39	3.54	34.06	26.28	3.88	31.94	25.30	4.27	29.63	24.25	4.70			
	62 (16.7)	38.77	35.39	2.96	37.09	34.54	3.23	35.35	33.69	3.54	33.87	30.17	3.89	31.31	32.28	4.26	30.14	30.14	4.72			
	57 (13.9)	37.87	37.87	2.96	36.72	36.72	3.23	35.32	35.32	3.54	33.71	33.71	3.88	32.00	32.00	4.28	29.94	29.94	4.66			
1575	72 (22.2)	48.16	25.44	3.06	45.96	24.63	3.34	43.73	23.76	3.65	41.29	22.81	3.99	38.61	21.81	4.38	35.78	20.70	4.82			
	67 (19.4)	43.67	31.54	3.06	41.70	30.65	3.33	39.63	29.77	3.64	37.39	28.81	3.98	35.02	27.80	4.38	32.47	26.73	4.81			
	63 (17.2)††	40.32	30.30	3.06	38.53	29.42	3.33	36.60	28.54	3.63	34.54	27.57	3.98	32.33	26.53	4.35	29.94	25.45	4.80			
	62 (16.7)	39.54	37.49	3.06	37.80	36.67	3.33	36.70	35.79	3.63	34.71	34.71	3.98	32.91	32.91	4.36	30.96	30.96	4.80			
	57 (13.9)	39.24	39.24	3.06	38.00	38.00	3.33	36.36	36.36	3.63	34.72	34.72	3.98	32.80	32.80	4.36	30.90	30.90	4.80			
<b>114SAN04800N Outdoor Section With CVPVA4821XMC* Indoor Section</b>																						
1400	72 (22.2)	54.25	27.28	3.40	51.97	26.48	3.71	49.55	25.64	4.08	46.97	24.75	4.50	44.19	23.81	4.97	41.16	22.81	5.50			
	67 (19.4)	49.34	33.66	3.39	47.24	32.84	3.70	45.01	31.98	4.06	42.64	31.08	4.48	40.14	30.09	4.95	37.32	29.08	5.47			
	63 (17.2)††	45.82	32.37	3.39	43.85	31.54	3.69	41.76	30.68	4.05	39.55	29.76	4.46	37.16	28.79	4.93	34.57	27.75	5.45			
	62 (16.7)	45.10	39.88	3.38	43.21	39.02	3.69	41.23	38.08	4.05	39.25	39.25	4.46	37.33	37.33	4.93	35.21	35.21	5.46			
	57 (13.9)	44.11	44.11	3.38	42.58	42.58	3.69	40.95	40.95	4.05	39.19	39.19	4.46	37.23	37.23	4.93	35.15	35.15	5.46			
1545	72 (22.2)	54.89	28.36	3.47	52.54	27.56	3.78	50.05	26.71	4.15	47.40	25.81	4.57	44.55	24.86	5.05	41.45	23.84	5.57			
	67 (19.4)	49.97	35.37	3.46	47.80	34.54	3.77	45.50	33.67	4.14	43.10	32.76	4.55	40.48	31.78	5.02	37.65	30.72	5.55			
	63 (17.2)††	46.43	33.96	3.46	44.39	33.12	3.76	42.25	32.25	4.12	39.98	31.32	4.54	37.53	30.33	5.00	34.88	29.26	5.53			
	62 (16.7)	45.90	42.13	3.46	44.13	40.89	3.76	42.23	42.23	4.12	40.37	40.37	4.54	38.35	38.35	5.01	36.12	36.12	5.54			
	57 (13.9)	45.51	45.51	3.45	43.89	43.89	3.76	42.17	42.17	4.12	40.32	40.32	4.54	38.30	38.30	5.01	36.08	36.08	5.53			
1800	72 (22.2)	55.69	30.18	3.59	53.24	29.36	3.91	50.66	28.50	4.28	47.90	27.59	4.70	44.95	26.62	5.17	41.75	25.59	5.70			
	67 (19.4)	50.78	38.29	3.58	48.53	37.44	3.90	46.16	36.55	4.26	43.68	35.62	4.68	40.98	34.60	5.15	38.09	33.48	5.67			
	63 (17.2)††	47.22	36.66	3.58	45.11	35.80	3.89	42.89	34.90	4.25	40.54	33.94	4.66	38.03	32.91	5.13	35.33	31.77	5.65			
	62 (16.7)	47.61	47.61	3.58	45.85	45.85	3.89	43.99	43.99	4.25	41.98	41.98	4.67	39.82	39.82	5.14	37.43	37.43	5.67			
	57 (13.9)	47.54	47.54	3.58	45.79	45.79	3.89	43.93	43.93	4.25	41.93	41.93	4.67	39.76	39.76	5.14	37.38	37.38	5.67			

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# DETAILED COOLING CAPACITIES

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		CFM	EWB	Capacity MBtuh		Total Sys. kW**	Capacity MBtuh		Total Sys. kW**	Capacity MBtuh		Total Sys. kW**	Capacity MBtuh		Total Sys. kW**	Capacity MBtuh		Total Sys. kW**	
Total	Sens†			Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†	Total	Sens†				
<b>114SAN06000N Outdoor Section With CVPVA6124XMC* Indoor Section</b>																			
1800	72 (22.2)	67.31	34.72	4.23	64.05	33.52	4.62	60.65	32.23	5.08	57.21	30.87	5.60	53.30	29.42	6.18	49.09	27.91	6.83
	67 (19.4)	61.11	42.71	4.20	58.80	41.29	4.60	55.50	40.17	5.05	52.26	38.78	5.56	48.75	37.20	6.15	44.88	35.62	6.80
	63 (17.2)††	56.68	41.19	4.18	54.40	39.82	4.57	51.47	38.70	5.02	48.47	37.27	5.53	45.19	35.74	6.11	41.62	34.01	6.76
	62 (16.7)	55.62	50.35	4.18	53.08	49.09	4.56	50.52	47.91	5.01	48.10	44.25	5.53	45.71	45.84	6.12	42.28	42.28	6.77
	57 (13.9)	54.39	54.39	4.17	52.57	52.57	4.56	50.12	50.12	5.01	47.19	47.19	5.51	45.17	45.17	6.11	42.19	42.19	6.77
2000	72 (22.2)	68.24	35.82	4.32	64.89	34.59	4.72	61.59	33.27	5.18	58.04	31.85	5.70	53.80	30.40	6.28	49.46	28.73	6.93
	67 (19.4)	62.05	44.42	4.30	59.30	43.20	4.70	56.18	41.84	5.15	52.79	40.37	5.66	49.21	38.84	6.25	45.24	37.14	6.90
	63 (17.2)††	57.57	42.78	4.28	55.01	41.58	4.67	52.14	40.25	5.12	49.05	38.77	5.63	45.57	37.20	6.21	41.97	35.50	6.87
	62 (16.7)	56.53	52.71	4.28	53.95	51.52	4.67	51.65	51.12	5.12	49.59	49.78	5.64	46.26	46.26	6.23	43.14	43.14	6.88
	57 (13.9)	56.01	56.01	4.28	54.04	54.04	4.67	51.66	51.66	5.12	49.06	49.06	5.64	46.24	46.24	6.22	43.14	43.14	6.88
2250	72 (22.2)	69.18	37.06	4.45	65.68	35.81	4.84	62.30	34.45	5.30	58.62	32.97	5.82	54.40	31.51	6.41	49.78	29.76	7.06
	67 (19.4)	63.10	46.47	4.43	60.12	45.28	4.82	56.89	43.78	5.27	53.36	42.31	5.79	49.61	40.75	6.37	45.50	38.87	7.02
	63 (17.2)††	58.44	44.65	4.41	55.77	43.41	4.80	52.78	42.04	5.24	49.56	40.56	5.76	46.04	38.93	6.34	42.20	37.06	6.99
	62 (16.7)	57.39	55.65	4.40	55.86	54.50	4.80	52.98	52.98	5.25	50.47	50.47	5.77	47.44	47.44	6.36	44.15	44.15	7.01
	57 (13.9)	57.74	57.74	4.41	55.59	55.59	4.80	53.12	53.12	5.25	50.41	50.41	5.77	47.36	47.36	6.35	44.11	44.11	7.01

† Total and sensible capacities are net capacities based on 25 feet line set at DOE Appendix M1 test levels.  
 ‡ Sensible capacities shown are based on 80°F (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C).  
 # Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per AHRI standard 210/240-2023. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.  
 \*\* System kw is total of indoor and outdoor unit kilowatts.  
 †† At TVA rating indoor condition (75°F edb/63°F ewb). All other indoor air temperatures are at 80°F edb.  
**NOTE:** When the required data falls between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.  
 EWB — Entering Wet Bulb

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## CONDENSER ONLY RATINGS

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)						
		55.0 (12.8)	65.0 (18.3)	75.0 (23.9)	85.0 (29.4)	95.0 (35.0)	105.0 (40.6)	115.0 (46.1)
<b>114SAN01800N</b>								
30.0 (-1.1)	TCG	15.10	14.10	13.10	12.20	11.30	10.40	9.50
	SDT	70.40	79.80	89.20	98.70	108.30	117.80	127.30
	KW	0.80	0.91	1.02	1.15	1.30	1.46	1.65
35.0 (1.7)	TCG	16.60	15.60	14.60	13.60	12.70	11.70	10.60
	SDT	71.50	80.80	90.30	99.70	109.20	118.70	128.20
	KW	0.80	0.91	1.02	1.15	1.30	1.47	1.66
40.0 (4.4)	TCG	18.30	17.20	16.10	15.10	14.10	13.00	11.90
	SDT	72.50	81.90	91.30	100.80	110.20	119.60	129.10
	KW	0.79	0.90	1.02	1.15	1.30	1.47	1.66
45.0 (7.2)	TCG	20.00	18.80	17.80	16.70	15.60	14.50	13.30
	SDT	73.70	83.00	92.40	101.90	111.20	120.70	130.10
	KW	0.78	0.89	1.02	1.15	1.30	1.47	1.67
50.0 (10.0)	TCG	21.80	20.70	19.50	18.40	17.30	16.10	14.80
	SDT	74.90	84.20	93.50	103.00	112.40	121.70	131.10
	KW	0.77	0.89	1.01	1.15	1.30	1.48	1.67
55.0 (12.8)	TCG	23.80	22.60	21.40	20.20	19.00	17.70	16.40
	SDT	76.10	85.40	94.80	104.20	113.60	122.90	132.10
	KW	0.76	0.88	1.00	1.15	1.30	1.48	1.68
<b>114SAN02400N</b>								
30.0 (-1.1)	TCG	19.34	18.30	17.26	16.17	15.01	13.77	12.40
	SDT	73.94	83.52	93.16	102.71	112.14	121.57	130.96
	KW	0.98	1.12	1.29	1.47	1.68	1.92	2.20
35.0 (1.7)	TCG	21.38	20.26	19.13	17.96	16.72	15.37	13.93
	SDT	75.24	84.81	94.38	103.89	113.31	122.73	132.06
	KW	0.98	1.13	1.29	1.47	1.68	1.92	2.20
40.0 (4.4)	TCG	23.58	22.37	21.16	19.90	18.57	17.13	15.58
	SDT	76.62	86.14	95.61	105.11	114.51	123.92	133.17
	KW	0.98	1.13	1.29	1.47	1.68	1.92	2.20
45.0 (7.2)	TCG	25.95	24.65	23.35	22.00	20.56	19.03	17.39
	SDT	78.08	87.51	96.97	106.34	115.79	125.11	134.39
	KW	0.98	1.13	1.29	1.47	1.68	1.92	2.19
50.0 (10.0)	TCG	28.48	27.09	25.69	24.26	22.72	21.08	19.32
	SDT	79.73	89.10	98.46	107.57	116.94	126.28	135.58
	KW	0.98	1.13	1.28	1.46	1.67	1.91	2.19
55.0 (12.8)	TCG	31.22	29.72	28.21	26.66	25.02	23.26	21.38
	SDT	81.37	90.71	100.00	109.14	118.21	127.54	136.81
	KW	0.98	1.12	1.28	1.45	1.65	1.89	2.17
<b>114SAN03000N</b>								
30.0 (-1.1)	TCG	23.36	22.09	20.86	19.60	18.26	16.80	15.18
	SDT	77.76	87.66	97.65	107.75	117.95	128.31	138.89
	KW	1.20	1.35	1.53	1.74	1.99	2.28	2.64
35.0 (1.7)	TCG	25.77	24.41	23.07	21.70	20.25	18.65	16.96
	SDT	79.48	89.29	99.26	109.32	119.51	129.88	140.34
	KW	1.21	1.36	1.54	1.75	2.01	2.31	2.67
40.0 (4.4)	TCG	28.37	26.91	25.46	23.98	22.39	20.67	18.83
	SDT	81.25	91.02	100.97	110.97	121.09	131.37	141.69
	KW	1.22	1.37	1.55	1.77	2.02	2.33	2.69
45.0 (7.2)	TCG	31.18	29.61	28.04	26.43	24.70	22.83	20.81
	SDT	83.07	92.90	102.76	112.64	122.70	132.94	143.15
	KW	1.23	1.38	1.56	1.78	2.04	2.35	2.72
50.0 (10.0)	TCG	34.21	32.51	30.81	29.05	27.19	25.16	22.98
	SDT	85.18	94.87	104.65	114.51	124.32	134.42	144.49
	KW	1.24	1.39	1.57	1.80	2.06	2.37	2.74
55.0 (12.8)	TCG	37.46	35.63	33.78	31.87	29.86	27.66	25.32
	SDT	87.34	96.88	106.60	116.34	125.94	135.92	145.81
	KW	1.24	1.40	1.58	1.81	2.07	2.39	2.75

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

**CONDENSER ONLY RATINGS (Continued)**

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)						
		55.0 (12.8)	65.0 (18.3)	75.0 (23.9)	85.0 (29.4)	95.0 (35.0)	105.0 (40.6)	115.0 (46.1)
<b>114SAN03600N</b>								
30.0 (-1.1)	TCG	30.00	28.36	26.78	25.19	23.53	21.80	19.97
	SDT	75.41	84.88	94.32	103.73	113.17	122.50	131.71
	KW	1.39	1.66	1.90	2.14	2.39	2.66	2.98
35.0 (1.7)	TCG	33.10	31.32	29.60	27.86	26.04	24.12	22.12
	SDT	76.81	86.28	95.69	105.00	114.37	123.69	132.82
	KW	1.41	1.68	1.92	2.16	2.41	2.70	3.03
40.0 (4.4)	TCG	36.40	34.50	32.61	30.66	28.71	26.61	24.41
	SDT	78.36	87.68	97.07	106.39	115.63	124.86	133.91
	KW	1.43	1.69	1.93	2.17	2.43	2.73	3.07
45.0 (7.2)	TCG	39.90	37.87	35.82	33.74	31.53	29.24	26.79
	SDT	80.19	89.25	98.51	107.73	116.97	126.07	135.21
	KW	1.46	1.70	1.94	2.18	2.45	2.75	3.12
50.0 (10.0)	TCG	43.65	41.42	39.21	36.90	34.51	32.00	29.36
	SDT	81.93	91.11	99.94	109.21	118.32	127.31	136.24
	KW	1.47	1.72	1.94	2.19	2.46	2.77	3.14
55.0 (12.8)	TCG	47.55	45.19	42.78	40.26	37.63	34.90	32.03
	SDT	84.02	92.82	101.95	110.58	119.68	128.54	137.29
	KW	1.48	1.72	1.95	2.19	2.47	2.78	3.15
<b>114SAN04200N</b>								
30.0 (-1.1)	TCG	33.37	31.78	30.15	28.45	26.69	24.84	22.89
	SDT	69.65	79.17	88.69	98.22	107.73	117.17	126.59
	KW	1.86	2.07	2.31	2.58	2.87	3.21	3.58
35.0 (1.7)	TCG	36.81	35.06	33.26	31.40	29.46	27.44	25.34
	SDT	70.90	80.29	89.76	99.21	108.68	118.11	127.43
	KW	1.87	2.08	2.32	2.59	2.89	3.22	3.60
40.0 (4.4)	TCG	40.55	38.61	36.62	34.56	32.45	30.26	27.97
	SDT	72.12	81.47	90.89	100.36	109.73	119.04	128.37
	KW	1.88	2.09	2.33	2.60	2.90	3.24	3.62
45.0 (7.2)	TCG	44.61	42.45	40.25	37.99	35.72	33.31	30.81
	SDT	73.45	82.79	92.17	101.54	110.71	120.07	129.36
	KW	1.88	2.10	2.34	2.61	2.91	3.26	3.64
50.0 (10.0)	TCG	49.00	46.61	44.20	41.72	39.18	36.60	33.89
	SDT	74.85	84.11	93.40	102.71	112.06	121.16	130.34
	KW	1.89	2.10	2.35	2.62	2.93	3.27	3.66
55.0 (12.8)	TCG	53.74	51.14	48.46	45.75	42.97	40.14	37.20
	SDT	76.40	85.41	94.76	104.00	113.27	122.31	131.40
	KW	1.89	2.11	2.35	2.63	2.94	3.29	3.68
<b>114SAN04800N</b>								
30.0 (-1.1)	TCG	38.05	36.11	34.19	32.26	30.26	28.17	25.97
	SDT	70.62	79.92	89.27	98.66	108.06	117.49	126.92
	KW	2.25	2.45	2.70	3.00	3.34	3.75	4.21
35.0 (1.7)	TCG	41.87	39.78	37.70	35.60	33.43	31.17	28.79
	SDT	72.00	81.22	90.51	99.85	109.22	118.60	127.96
	KW	2.26	2.46	2.72	3.02	3.37	3.77	4.24
40.0 (4.4)	TCG	46.02	43.75	41.49	39.20	36.85	34.40	31.71
	SDT	73.48	82.63	91.89	101.17	110.47	119.77	129.03
	KW	2.26	2.47	2.73	3.04	3.39	3.80	4.27
45.0 (7.2)	TCG	50.50	48.04	45.58	43.10	40.54	37.88	35.10
	SDT	75.10	84.21	93.39	102.59	111.81	121.04	130.22
	KW	2.27	2.48	2.75	3.06	3.42	3.83	4.30
50.0 (10.0)	TCG	55.39	52.67	50.00	47.30	44.52	41.64	38.62
	SDT	76.95	85.90	94.99	104.12	113.25	122.35	131.43
	KW	2.27	2.49	2.76	3.08	3.45	3.86	4.34
55.0 (12.8)	TCG	60.58	57.73	54.77	51.83	48.81	45.68	42.41
	SDT	78.82	87.79	96.72	105.73	114.73	123.74	132.72
	KW	2.27	2.51	2.78	3.10	3.47	3.89	4.37

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**CONDENSER ONLY RATINGS (Continued)**

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)						
		55.0 (12.8)	65.0 (18.3)	75.0 (23.9)	85.0 (29.4)	95.0 (35.0)	105.0 (40.6)	115.0 (46.1)
<b>114SAN06000N</b>								
<b>30.0</b> <b>(-1.1)</b>	TCG	48.86	46.38	43.92	41.41	38.79	36.02	33.09
	SDT	71.15	80.38	89.65	98.97	108.25	117.49	126.66
	KW	2.73	2.99	3.30	3.67	4.10	4.59	5.16
<b>35.0</b> <b>(1.7)</b>	TCG	53.79	51.10	48.43	45.70	42.85	39.87	36.67
	SDT	72.64	81.80	91.01	100.26	109.46	118.64	127.76
	KW	2.75	3.01	3.33	3.70	4.14	4.64	5.21
<b>40.0</b> <b>(4.4)</b>	TCG	59.10	56.19	53.28	50.30	47.20	43.95	40.47
	SDT	74.25	83.34	92.49	101.64	110.78	119.88	128.91
	KW	2.77	3.04	3.36	3.74	4.18	4.69	5.27
<b>45.0</b> <b>(7.2)</b>	TCG	64.80	61.64	58.47	55.23	51.85	48.30	44.54
	SDT	75.99	84.99	94.06	103.14	112.20	121.20	130.14
	KW	2.78	3.06	3.39	3.78	4.23	4.74	5.32
<b>50.0</b> <b>(10.0)</b>	TCG	70.91	67.48	64.02	60.48	56.80	52.92	48.82
	SDT	77.86	86.77	95.77	104.76	113.70	122.61	131.43
	KW	2.79	3.08	3.42	3.81	4.27	4.79	5.37
<b>55.0</b> <b>(12.8)</b>	TCG	77.45	73.70	69.92	66.05	62.03	57.81	53.36
	SDT	79.90	88.70	97.59	106.47	115.30	124.08	132.77
	KW	2.81	3.10	3.44	3.85	4.31	4.83	5.42

KW - Outdoor Unit Kilowatts Only.

SDT -Saturated Temperature Leaving Compressor (°F)

SST -Saturated Temperature Entering Compressor (°F/°C)

TCG -Gross Cooling Capacity (1000 Btuh)

## GUIDE SPECIFICATIONS GENERAL

### System Description

Outdoor-mounted, air-cooled, split-system air conditioner unit suitable for ground or rooftop installation. Unit consists of a hermetic compressor, an air-cooled coil, propeller-type condenser fan, and a control box. Unit will discharge supply air upward as shown on contract drawings. Unit will be used in a refrigeration circuit to match up to a packaged fan coil or coil unit.

### Quality Assurance

- Unit will be rated in accordance with the latest edition of AHRI Standard 210/240.
- Unit will be certified for capacity and efficiency, and listed in AHRI directory.
- Unit construction will comply with latest edition of ANSI/ASHRAE and with NEC.
- Unit will be constructed in accordance with UL standards and will carry the UL label of approval. Unit will have c-UL-us approval.
- Unit cabinet will be capable of withstanding Federal Test Method Standard No. 141 (Method 6061) 500-hr salt spray test.
- Air-cooled condenser coils will be leak tested at 150 psig and pressure tested at 470 psig.
- Unit constructed in ISO9001 approved facility.

### Delivery, Storage, and Handling

- Unit will be shipped as single package only and is stored and handled per unit manufacturer's recommendations.

### Warranty (for inclusion by specifying engineer)

- U.S. and Canada only.

## PRODUCTS

### Equipment

Factory assembled, single piece, air-cooled air conditioner unit. Contained within the unit enclosure is all factory wiring, piping, controls, compressor, refrigerant charge Puron® (R-410A), and special features required prior to field start-up.

### Unit Cabinet

- Unit cabinet will be constructed of galvanized steel, bonderized, and coated with a powder coat paint.

### Fans

- Condenser fan will be direct-drive propeller type, discharging air upward.
- Condenser fan motors will be totally enclosed, 1-phase type with class B insulation and permanently lubricated bearings. Shafts will be corrosion resistant.
- Fan blades will be statically and dynamically balanced.
- Condenser fan openings will be equipped with coated steel wire safety guards.

## Air-cooled, split-system air conditioner 114S

### 1-1/2 to 5 nominal tons

### Compressor

- Compressor will be hermetically sealed.
- Compressor will be mounted on rubber vibration isolators.

### Condenser Coil

- Condenser coil will be air cooled.
- Coil will be constructed of aluminum fins mechanically bonded to copper or aluminum tubes which are then cleaned, dehydrated, and sealed.

### Refrigeration Components

- Refrigeration circuit components will include liquid-line shutoff valve with sweat connections, vapor-line shutoff valve with sweat connections, system charge of Puron (R-410A) refrigerant, and compressor oil.
- Unit will be shipped with filter drier for Puron (R-410A) refrigerant.

### Operating Characteristics

- The capacity of the unit will meet or exceed \_\_\_\_\_ Btuh at a suction temperature of \_\_\_\_\_ °F/°C. The power consumption at full load will not exceed \_\_\_\_\_ kW.
- Combination of the unit and the evaporator or fan coil unit will have a total net cooling capacity of \_\_\_\_\_ Btuh or greater at conditions of \_\_\_\_\_ CFM entering air temperature at the evaporator at \_\_\_\_\_ °F/°C wet bulb and \_\_\_\_\_ °F/°C dry bulb, and air entering the unit at \_\_\_\_\_ °F/°C.
- The system will have a SEER2 of \_\_\_\_\_ Btuh/watt or greater at DOE conditions.

### Electrical Requirements

- Nominal unit electrical characteristics will be \_\_\_\_\_ v, single phase, 60 Hz. The unit will be capable of satisfactory operation within voltage limits of \_\_\_\_\_ v to \_\_\_\_\_ v.
- Nominal unit electrical characteristics will be \_\_\_\_\_ v, three phase, 60 Hz. The unit will be capable of satisfactory operation within voltage limits of \_\_\_\_\_ v to \_\_\_\_\_ v.
- Unit electrical power will be single point connection.
- Control circuit will be 24v.

### Special Features

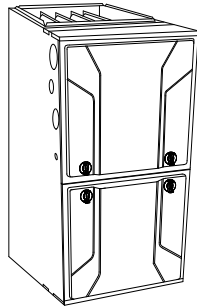
- Refer to section of this literature identifying accessories and descriptions for specific features and available enhancements.

## 926TC

Preferred™ 96, Up to 96.7% AFUE, Two-Stage, Variable 25-Speed, Non-Communicating, 4-Way Multipoise, 35-in. (889 mm) Tall Condensing Gas Furnace with IntelliSense



## Product Data



A11264

Representative drawing only. Some product models may vary.

### **WARNING**

**This furnace is not designed for use in mobile homes, trailers, or recreational vehicles. Such use could result in property damage and/or death.**

The 926TC Multipoise Variable 25-Speed Condensing Gas Furnace features the two-stage Preferred™ Series System. The Perfect Heat® technology two-stage gas valve is at the heart of the comfort provided by this furnace, along with the variable-speed ECM blower motor, and two-speed inducer motor. With an Annual Fuel Utilization Efficiency (AFUE) up to 96.7% AFUE, the Preferred™ Series two-stage gas furnace provides exceptional savings as well when compared to standard gas furnaces. This Preferred™ Series Gas Furnace also features 4-way multipoise installation flexibility, and is available in nine model sizes. The 926TC can be vented for direct vent/two-pipe, ventilated combustion air, or single-pipe applications. All sizes are design certified in Canada. This furnace is not designed for use in recreation vehicles, manufactured (mobile) homes or outdoors.



A200323

## PERFORMANCE

- Variable 25-speed, constant-torque (VCT) ECM blower motor, two-speed inducer motor, and two-stage gas valve
- Fully-insulated casing including blower section
- Aluminized-steel primary heat exchanger
- Stainless-steel condensing secondary heat exchanger
- Silicon Nitride Perfect Heat™ Hot Surface Igniter
- Adjustable blower speed for heating, cooling, continuous fan, and dehumidification
- Perfect Heat Technology® intelligently stages low heat cycles to match indoor conditions

- Fan On Plus™ Technology allows adjustment to the constant fan speed from a compatible thermostat

## INSTALLATION FLEXIBILITY

- 4-way multipoise design for upflow, downflow or horizontal installations, with unique vent elbow and optional through-the-cabinet downflow venting capability
- On-board NFC antenna makes setup a tap away when using the Bryant service technician app
- Factory-configured ready for upflow applications
- Installation flexibility: sidewall or vertical vent
- Ideal height 35" (889 mm) cabinet: short enough for taller coils, but still allows enough room for service
- Direct-vent/sealed combustion, single-pipe venting or ventilated combustion air

## APPLICATIONS

- HYBRID HEAT® Dual Fuel Compatible
- Convertible to propane with gas conversion accessory kit
- Convenient Air Purifier and Humidifier connections
- Twinning capable with accessory kit
- 5 ton sizes allow 15 Amp breaker with accessory (order separately)
- SmartEvap™ technology prevents condensate that remains on the coil after a dehumidification cycle from re-humidifying throughout the home

## CERTIFICATIONS

- All sizes meet ENERGY STAR® Version 4.1 criteria for gas furnaces: 95.0%+ AFUE
- Cabinet air leakage less than 2.0% at 1.0 in. w.c. and cabinet air leakage less than 1.4% at 0.5 in. w.c. when tested in accordance with ASHRAE standard 193
- All sizes can be installed in air quality management districts with a 40 ng/J NOx emissions requirement

## LIMITED WARRANTY \*

- Default 5-year parts limited warranty
  - Default 20-year heat exchanger limited warranty
  - 10-year parts and lifetime limited heat exchanger warranty with timely registration\*
- Equipment must be registered within 90 days of original installation, except in jurisdictions where warranty benefits cannot be conditioned on registration.
- \*Applies to original purchaser/homeowner and not available to subsequent owners. See warranty certificate for complete details and restrictions, including warranty coverage of other applications.



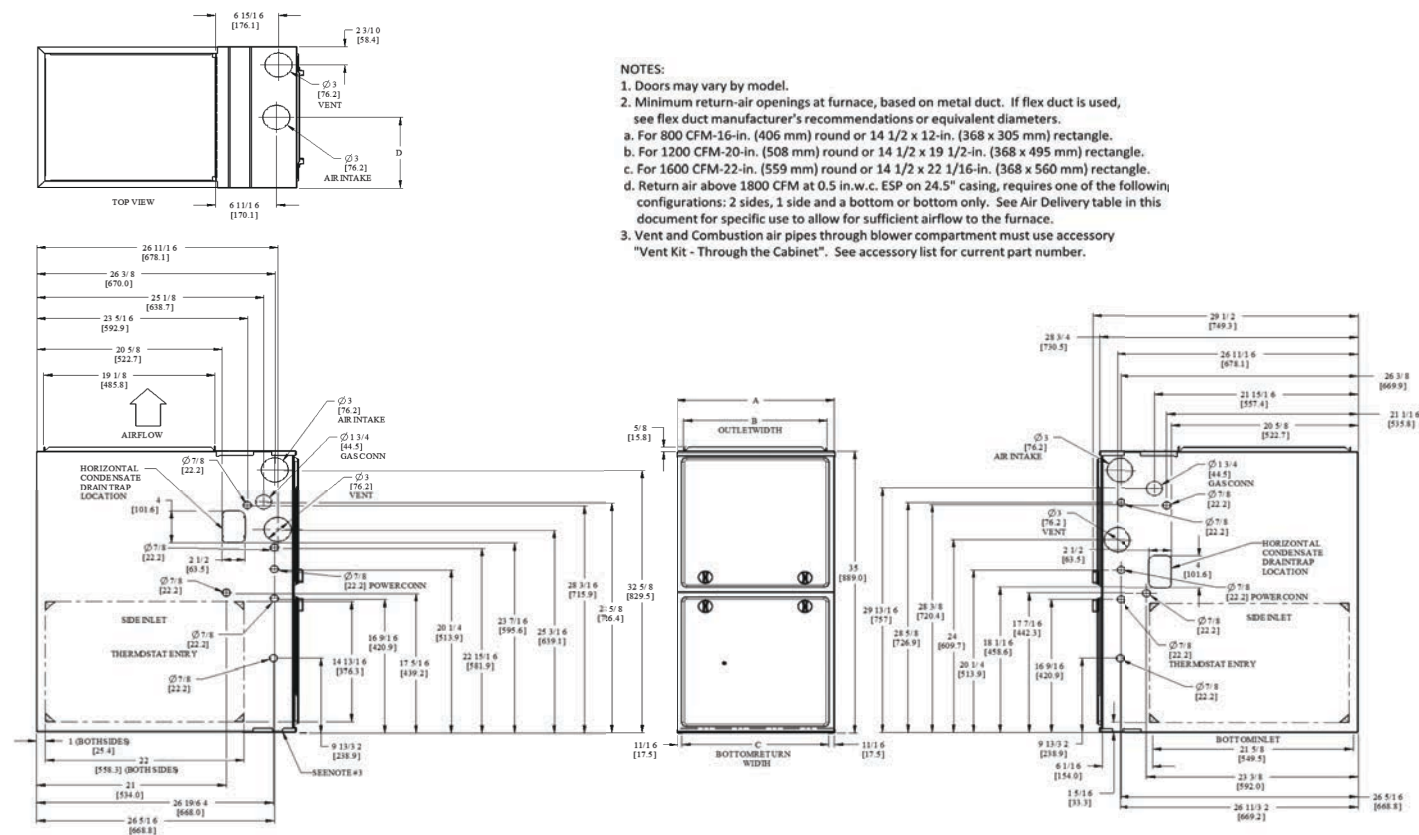
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This furnace is IntelliSense capable when used with an ecobee for Bryant smart thermostat with IntelliSense technology. IntelliSense technology allows for the collection of performance data to be sent to the cloud. Utilizing Bryant's digital tools, dealers can gather system settings and equipment data, with homeowner opt-in, to provide quicker and more efficient service.

## UNIT PERFORMANCE DATA

Model	Input (BTUh)	Efficiency AFUE		Cooling Capacity CFM range	Dimensions H x W x D In (mm)	Shipping Wt. Lbs (Kg)
		Upflow	Downflow/Hz			
30040V14	40,000	96.0%	95.0%	135-1035	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	126 (57.2)
36040V17	40,000	96.0%	95.0%	205-1105	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	136 (61.7)
36060V14	60,000	96.0%	95.0%	175-1155	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	128 (58.1)
48060V17	60,000	96.3%	95.0%	345-1565	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	145 (65.8)
48080V17	80,000	96.2%	95.0%	255-1625	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	152 (68.9)
60080V21	80,000	96.7%	95.0%	270-2110	35 x 21 x 29-1/2 (889 x 533 x 750)	160 (72.6)
60100V21	100,000	96.1%	95.0%	340-2170	35 x 21 x 29-1/2 (889 x 533 x 750)	172 (78.0)
66100V21	100,000	96.2%	95.0%	525-2250	35 x 21 x 29-1/2 (889 x 533 x 750)	173 (78.5)
66120V24	120,000	96.7%	95.0%	165-2130	35 x 24-1/2 x 29-1/2 (889 x 622 x 750)	191 (86.6)

## DIMENSIONAL DATA



**NOTES:**

- Doors may vary by model.
- Minimum return-air openings at furnace, based on metal duct. If flex duct is used, see flex duct manufacturer's recommendations or equivalent diameters.
  - For 800 CFM-16-in. (406 mm) round or 14 1/2 x 12-in. (368 x 305 mm) rectangle.
  - For 1200 CFM-20-in. (508 mm) round or 14 1/2 x 19 1/2-in. (368 x 495 mm) rectangle.
  - For 1600 CFM-22-in. (559 mm) round or 14 1/2 x 22 1/16-in. (368 x 560 mm) rectangle.
  - Return air above 1800 CFM at 0.5 in.w.c. ESP on 24.5" casing, requires one of the following configurations: 2 sides, 1 side and a bottom or bottom only. See Air Delivery table in this document for specific use to allow for sufficient airflow to the furnace.
- Vent and Combustion air pipes through blower compartment must use accessory "Vent Kit - Through the Cabinet". See accessory list for current part number.

NOTE: ALL DIMENSIONS IN INCH (MM)

SD50634 REV.-

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### Dimensions

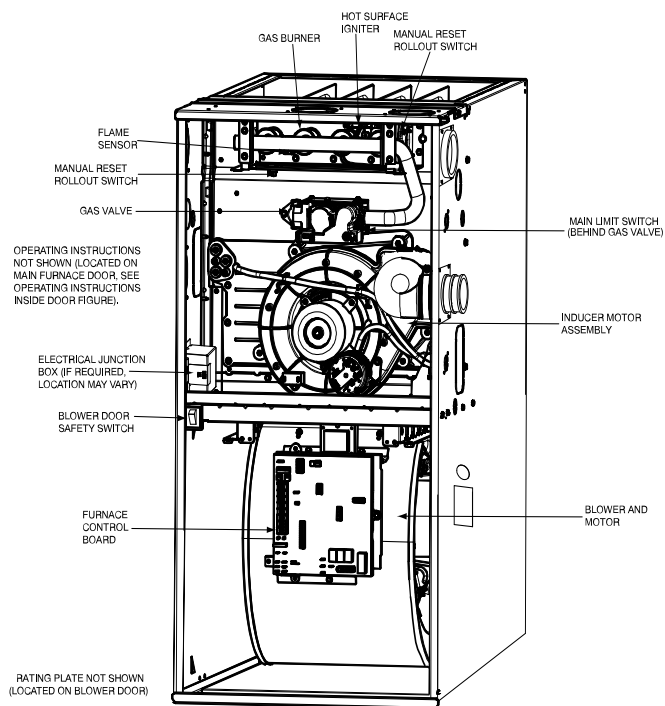
FURNACE SIZE	A	B	C	D	SHIP WT. LB (KG)
	CABINET WIDTH	OUTLET WIDTH	BOTTOM INLET WIDTH	AIR INTAKE	
30040V14	14-3/16 (361)	12-1/2 (319)	12-9/16 (322)	7-1/8 (181)	126 (57.2)
36040V17	17-1/2 (445)	15-7/8 (403)	16 (406)	8-3/4 (222)	136 (61.7)
36060V14	14-3/16 (361)	12-1/2 (319)	12-9/16 (322)	7-1/8 (181)	128 (58.1)
48060V17	17-1/2 (445)	15-7/8 (403)	16 (406)	8-3/4 (222)	145 (65.8)
48080V17	17-1/2 (445)	15-7/8 (403)	16 (406)	8-3/4 (222)	152 (68.9)
60080V21	21 (533)	19-3/8 (492)	19-1/2 (495)	10-1/2 (267)	160 (72.6)
60100V21	21 (533)	19-3/8 (492)	19-1/2 (495)	10-1/2 (267)	172 (78.0)
66100V21	21 (533)	19-3/8 (492)	19-1/2 (495)	10-1/2 (267)	173 (78.5)
66120V24	24-1/2 (622)	22-7/8 (581)	23 (584)	12-1/4 (311)	191 (86.6)

## MODEL NUMBER NOMENCLATURE

1 Heat Exchanger 9	2 Tier/NOx 8	3 AFUE/NOx 7	4 Heating Stages M	5 Major Series B	6, 7 Cooling Capacity (CFM) 42	8 - 10 Heat Input 060	11 Motor Type C	12 - 13 Width 17	14 Voltage (1-phase) A	15 Un-used -	16 Minor Series A
8 = 80% 9 = 90+%	0 = Base 1 = Legacy Line 2 = Preferred 3 = Ultra Low Nox 8 = Evolution	0 = 80% 1 = 80% Low NOx (Not Ultra Low NOx) 2 = 92% 5 = 95% 6 = 96% 7 = 97% 8 = 98%	M = Modulating T = Two Stage S = Single Stage C = Single Stage Communicating	A B C D ---	24 = 800 CFM 30 = 1000 CFM 36 = 1200 CFM 42 = 1400 CFM 48 = 1600 CFM 60 = 2000 CFM 66 = 2200 CFM	026 = 26,000 BTU/h 040 = 40,000 BTU/h 060 = 60,000 BTU/h ---	C = Constant Airflow Variable-Speed (VCA) ECM V = Variable-Speed (VCT) PWM M = Multi 18-Speed Constant Torque (MCT) ECM	14 = 14.2" 17 = 17.5" 21 = 21.0" 24 = 24.5"	A = 110V/60Hz B = 230V/50Hz	-	A B C ---

A220582

## FURNACE COMPONENTS



A190145

## MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

POSITION	CLEARANCE
Rear	0 (0 mm)
Front (Combustion air openings in furnace and in structure)	1 in. (25 mm)
Required for service*	24 in. (610 mm)†
All Sides of Supply Plenum*	1 in. (25 mm)
Sides	0 (0 mm)
Vent	0 (0 mm)
Top of Furnace	1 in. (25 mm)

\*. Consult your local building codes  
†. Recommended

The furnace should be sized to provide 100 percent of the design heating load requirement plus any margin that occurs because of furnace model size capacity increments. None of the furnace model sizes can be used if the heating load is 20,000 BTU or lower. Use Air Conditioning Contractors of America (Manual J and S); American Society of Heating, Refrigerating, and Air-Conditioning Engineers; or other approved engineering method to calculate heating load estimates and select the furnace. Excessive oversizing of the furnace may cause the furnace and/or vent to fail prematurely, customer discomfort and/or vent freezing.

Failure to follow these guidelines is considered faulty installation and/or misapplication of the furnace; and resulting failure, damage, or repairs may impact warranty coverage.

## SPECIFICATIONS

UNIT SIZE		30040V14	36040V17	36060V14	48060V17
<b>HEATING AND CAPACITY AND EFFICIENCY</b>					
Input BTUh*	High Heat	40,000	40,000	60,000	60,000
	Low Heat	26,000	26,000	39,000	39,000
Output Capacity (BTUh)†	High Heat	39,000	39,000	58,000	58,000
	Low Heat	25,000	25,000	38,000	38,000
Certified Temperature Rise Range - °F (°C)	High Heat	40 - 70 (22 - 39)	40 - 70 (22 - 39)	40 - 70 (22 - 39)	40 - 70 (22 - 39)
	Low Heat	30 - 60 (17 - 33)	30 - 60 (17 - 33)	30 - 60 (17 - 33)	30 - 60 (17 - 33)
AFUE	Upflow	96.0%	96.0%	95.0%	96.3%
	Downflow/ Horizontal	95.0%	95.0%	95.0%	95.0%
<b>AIRFLOW CAPACITY AND BLOWER DATA</b>					
Rated Certified External Static Pressure	Heating	0.1	0.1	0.12	0.12
	Cooling	0.5	0.5	0.5	0.5
Airflow CFM @ Rated ESP (CFM)‡	High Heat	700	715	1025	1030
	Low Heat	530	540	770	770
	Cooling	135 - 1035	205 - 1105	175 - 1155	345 - 1565
Cooling Capacity (tons)	400 CFM/ton	2	2.5	2.5	3.5
	350 CFM/ton	2.5	3	3	4
Direct Drive Motor Type	Electronically Commutated Motor (ECM)				
Direct Drive Motor HP	1/2		1/2	1/2	3/4
Motor Full Load Amps	6.3		6.7	6.3	8.8
Heating Blower Control (Htg Off-Delay)	Adjustable: 90, 120, 150, 180 seconds				
Cooling Blower Control (Time Delay Relay)	90 seconds				
Blower Wheel Diameter x Width - In. (mm)	11 x 7		11 x 8	11 x 7	11 x 8
Air Filtration System	Field Supplied Filter				
Filter used for Certified Watt Data	325531-40**				
<b>ELECTRICAL DATA</b>					
Unit Volts-Hertz-Phase	115-60-1				
Operating Voltage Range	Min-Max	104-127			
Maximum Unit Amps Default / Low Amp Kit	Amps	7	7.4	7.1	10.1
Unit Ampacity Default / Low Amp Kit	Amps	9.7	10.2	9.8	13.6
Maximum Wire Length Default / Low Amp Kit					
Measure 1 way in Ft	Feet	38	36	38	27
(M)	Meters	11.7	11.1	11.5	8.3
Minimum Wire Size Default / Low Amp Kit	AWG	14	14	14	14
Max. Fuse/Ckt Bkr Size Default / Low Amp Kit (Time-Delay Type Recommended)	Amps	15	15	15	15
Transformer Capacity (24 VAC output)	40VA				
External Control Power Available	Heating	12VA			
	Cooling	35VA			
<b>GAS CONTROLS</b>					
Burners	2		2	3	3
Gas Connection Size	1/2in. NPT				
Gas Valve (Redundant)	Mfr	WhiteRodgers™			
Min. inlet pressure	(in.w.c.)	4.5 (Natural Gas)			
Max. inlet pressure	(in.w.c.)	13.6 (Natural Gas)			
Manufactured (Mobile Home Kit)	Not Allowed				
Ignition Device	Silicon Nitride				
Factory installed orifice	44		44	44	44
<b>CONNECTIONS</b>					
Communication System	InteliSense™				
Thermostat Connections	G, C, W, Y/Y2, Y1, R, DHUM				
Accessory Connections	EAC-1 (115 VAC); HUM (24 VAC); 1-STG AC (via Y/Y2); 2-STG AC (via Y/Y2 and Y1)				

\*. Gas input ratings are certified for elevations to 2000 ft. (610 M). In USA, For elevations above 2000 ft (610 M), reduce ratings 4 percent for each 1000 ft (305 M) above sea level. Refer to National Fuel Gas Code NFPA 54/ANSI Z223.1 Table F.4 or furnace installation instructions.

†. Capacity in accordance with U.S. Government DOE test procedures.

‡. Airflow shown is for bottom only return-air supply for the as-shipped speed tap. For air delivery above 1800 CFM, see Air Delivery table for other options. A filter is required for each return-air supply. An airflow reduction of up to 7 percent may occur when using the factory-specified 4-5/16-in. (110 mm) wide, high efficiency media filter.

\*\*. See Accessory List for part numbers available.

UNIT SIZE		48080V17	60080V21	60100V21	66100V21	66120V24
<b>HEATING AND CAPACITY AND EFFICIENCY</b>						
Input BTUh*	High Heat	80,000	80,000	100,000	100,000	120,000
	Low Heat	52,000	52,000	65,000	65,000	78,000
Output Capacity (BTUh)†	High Heat	78,000	78,000	97,000	97,000	117,000
	Low Heat	50,000	51,000	63,000	63,000	76,000
Certified Temperature Rise Range - °F (°C)	High Heat	40 - 70 (22 - 39)	40 - 70 (22 - 39)	40 - 70 (22 - 39)	40 - 70 (22 - 39)	40 - 70 (22 - 39)
		Low Heat	30 - 60 (17 - 33)	30 - 60 (17 - 33)	30 - 60 (17 - 33)	30 - 60 (17 - 33)
	AFUE	Upflow	96.2%	96.7%	96.1%	96.2%
	Downflow/ Horizontal	95.0%	95.0%	95.0%	95.0%	95.0%
<b>AIRFLOW CAPACITY AND BLOWER DATA</b>						
Rated Certified External Static Pressure	Heating	0.15	0.15	0.2	0.2	0.2
	Cooling	0.5	0.5	0.5	0.5	0.5
Airflow CFM @ Rated ESP (CFM)‡	High Heat	1335	1360	1715	1730	2045
	Low Heat	1025	1055	1425	1245	1555
	Cooling	255 - 1625	270 - 2110	340 - 2170	525 - 2250	165 - 2130
Cooling Capacity (tons)	400 CFM/ton	4	5	5	5	5
	350 CFM/ton	4.5	5.5	5.5	6	6
Direct Drive Motor Type	Electronically Commutated Motor (ECM)					
Direct Drive Motor HP		3/4	1	1	1	1
Motor Full Load Amps		9.2	11.5	11.7	11	11.5
Heating Blower Control (Htg Off-Delay)	Adjustable: 90, 120, 150, 180 seconds					
Cooling Blower Control (Time Delay Relay)	90 seconds					
Blower Wheel Diameter x Width - In. (mm)		11 x 8	11 x 10	11 x 10	11 x 10	11 x 11
Air Filtration System	Field Supplied Filter					
Filter used for Certified Watt Data	325531-40**					
<b>ELECTRICAL DATA</b>						
Unit Volts-Hertz-Phase	115-60-1					
Operating Voltage Range	Min-Max	104-127				
Maximum Unit Amps Default / Low Amp Kit	Amps	10	13.1	13.2	12.5	12.6/11.3
Unit Ampacity Default / Low Amp Kit	Amps	13.4	17.3	17.4	16.5	16.6/15.0
Maximum Wire Length Default / Low Amp Kit						
Measure 1 way in Ft	Feet	27	33	33	34	34/24
(M)	Meters	8.4	10.1	10	10.6	10.5/7.5
Minimum Wire Size Default / Low Amp Kit	AWG	14	12	12	12	12/14
Max. Fuse/Ckt Bkr Size Default / Low Amp Kit (Time-Delay Type Recommended)	Amps	15	20	20	20	20/15
Transformer Capacity (24 VAC output)		40VA				
External Control Power Available	Heating	12VA				
	Cooling	35VA				
<b>GAS CONTROLS</b>						
Burners		4	4	5	5	6
Gas Connection Size		1/2in. NPT				
Gas Valve (Redundant)	Mfr	WhiteRodgers™				
Min. inlet pressure	(in.w.c.)	4.5 (Natural Gas)				
Max. inlet pressure	(in.w.c.)	13.6 (Natural Gas)				
Manufactured (Mobile Home Kit)		Not Allowed				
Ignition Device		Silicon Nitride				
Factory installed orifice		44	44	44	44	44
<b>CONNECTIONS</b>						
Communication System		IntelliSense™				
Thermostat Connections		G, C, W, Y/Y2, Y1, R, DHUM				
Accessory Connections		EAC-1 (115 VAC); HUM (24 VAC); 1-STG AC (via Y/Y2); 2-STG AC (via Y/Y2 and Y1)				

\*. Gas input ratings are certified for elevations to 2000 ft. (610 M). In USA, For elevations above 2000 ft (610 M), reduce ratings 4 percent for each 1000 ft (305 M) above sea level. Refer to National Fuel Gas Code NFPA 54/ANSI Z223.1 Table F.4 or furnace installation instructions.

†. Capacity in accordance with U.S. Government DOE test procedures.

‡. Airflow shown is for bottom only return-air supply for the as-shipped speed tap. For air delivery above 1800 CFM, see Air Delivery table for other options. A filter is required for each return-air supply. An airflow reduction of up to 7 percent may occur when using the factory-specified 4-5/16-in. (110 mm) wide, high efficiency media filter.

\*\* See Accessory List for part numbers available.

# AIR DELIVERY - CFM

## Air Delivery - CFM (with filter)

Unit Size	Airflow Setting	Default Setting	External Static Pressure (in. w.c.)											
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0		
30040V14	1	Cont. Fan	280	215	150	-	-	-	-	-	-	-	-	-
	2		325	265	205	145	-	-	-	-	-	-	-	-
	3		365	310	255	200	135	-	-	-	-	-	-	-
	4		380	330	280	225	165	105	-	-	-	-	-	-
	5		430	385	335	290	240	185	130	-	-	-	-	-
	6		460	415	370	325	280	235	175	130	-	-	-	-
	7		500	460	420	380	335	295	245	195	145	-	-	-
	8	Low Heating	530	490	450	410	370	330	285	240	190	145	-	-
	9		540	505	465	425	385	345	305	260	210	165	-	-
	10		580	540	505	465	430	390	355	315	275	230	-	-
	11		600	565	525	490	455	420	380	345	305	265	-	-
	12		625	590	550	520	480	445	410	375	340	300	-	-
	13		680	645	610	580	545	515	480	445	410	380	-	-
	14	High Heating	700	665	635	600	570	535	505	470	440	410	-	-
	15		735	705	675	645	615	585	550	520	490	460	-	-
	16		765	735	705	675	645	615	585	555	525	495	-	-
	17		795	765	735	705	675	650	620	590	560	530	-	-
	18	Low Cooling	840	810	780	755	725	700	670	645	615	590	-	-
	19		885	855	830	800	775	750	720	695	670	640	-	-
	20		930	905	880	850	825	800	775	750	725	700	-	-
	21		965	940	915	890	865	845	820	795	770	745	-	-
	22		1015	990	965	940	915	895	870	845	825	800	-	-
	23		1060	1035	1015	990	965	945	920	900	875	855	-	-
	24		1095	1070	1050	1025	1005	980	960	940	915	895	-	-
	25	High Cooling	1125	1100	1080	1060	1035	1015	995	970	945	910	-	-
36040V17	1	Cont. Fan	435	375	320	265	205	150	-	-	-	-	-	-
	2		470	410	355	310	255	200	140	-	-	-	-	-
	3		500	445	390	345	295	245	190	130	-	-	-	-
	4	Low Heating	540	490	440	395	350	305	255	205	150	-	-	-
	5		585	535	485	440	400	355	315	265	220	165	-	-
	6		625	575	530	485	445	405	365	325	280	235	-	-
	7		635	590	545	500	460	420	380	340	295	255	-	-
	8		670	625	585	540	500	465	430	390	345	305	-	-
	9	High Heating	715	675	635	590	550	515	480	445	410	370	-	-
	10		760	720	680	640	600	565	530	500	465	430	-	-
	11		800	765	725	690	650	610	580	545	515	485	-	-
	12		850	815	780	745	710	670	635	605	575	545	-	-
	13	Low Cooling	895	865	830	795	760	725	690	660	630	600	-	-
	14		925	890	855	825	790	755	720	690	660	630	-	-
	15		950	920	890	855	825	790	755	725	695	665	-	-
	16		975	945	915	885	850	820	785	755	720	695	-	-
	17		1000	970	940	910	880	845	815	780	750	720	-	-
	18		1025	995	965	935	905	875	840	810	780	750	-	-
	19		1045	1020	990	960	930	900	870	835	805	780	-	-
	20		1075	1045	1020	990	960	930	900	870	840	810	-	-
	21		1100	1070	1045	1020	990	960	930	900	870	840	-	-
	22		1130	1105	1080	1050	1020	990	965	935	905	875	-	-
	23		1160	1135	1105	1080	1055	1025	995	970	940	910	-	-
	24	High Cooling	1200	1175	1150	1125	1095	1070	1035	995	960	920	-	-
	25		1240	1210	1175	1140	1105	1070	1035	995	960	920	-	-

**Air Delivery - CFM (with filter) (Continued)**

Unit Size	Airflow Setting	Default Setting	External Static Pressure (in. w.c.)									
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
36060V14	1	Cont. Fan	420	365	305	245	175	110	-	-	-	-
	2		435	380	325	265	200	135	-	-	-	-
	3		490	440	385	335	280	225	165	-	-	-
	4		555	510	460	410	365	315	265	205	150	-
	5		585	540	495	450	400	355	305	255	200	150
	6		645	600	555	510	470	425	380	335	290	240
	7		680	640	595	555	515	475	435	390	350	305
	8		730	690	650	610	570	535	495	455	415	375
	9	Low Heating	780	740	700	665	625	590	555	515	480	440
	10		790	750	715	675	640	605	570	530	495	455
	11		835	795	760	725	690	655	620	585	550	515
	12		845	810	770	735	700	670	635	600	565	530
	13		870	835	800	765	730	700	665	630	600	565
	14		900	865	830	795	760	730	695	665	630	595
	15	Low Cooling	935	905	870	840	805	775	740	710	680	650
	16		970	935	905	870	840	810	775	745	715	685
	17		995	965	935	900	870	840	810	780	750	720
	18	High Heating	1035	1005	975	945	915	885	850	825	795	765
	19		1055	1025	995	965	935	905	875	845	815	785
	20		1090	1060	1030	1000	975	945	915	885	855	830
	21		1120	1090	1060	1030	1005	975	945	920	890	865
	22		1140	1110	1080	1055	1025	1000	970	945	915	890
	23		1190	1160	1135	1105	1080	1055	1030	1000	975	950
	24		1230	1200	1175	1150	1120	1095	1070	1045	1020	995
	25	High Cooling	1255	1230	1205	1175	1155	1125	1100	1075	1050	1025
48060V17	1	Cont. Fan	600	540	475	410	345	290	230	160	-	-
	2		650	590	535	475	410	355	295	240	175	-
	3		720	665	610	555	500	440	385	335	275	220
	4		760	710	655	605	550	490	440	390	340	290
	5	Low Heating	780	730	680	630	575	515	465	420	370	325
	6		835	790	745	695	645	595	540	490	450	405
	7		895	845	805	755	710	665	615	565	515	475
	8		960	915	875	835	790	750	705	655	605	560
	9		1005	965	925	885	845	805	765	720	675	625
	10	High Heating	1040	1000	960	920	880	840	800	760	715	670
	11		1095	1055	1020	980	945	905	870	830	790	750
	12		1165	1130	1095	1060	1025	985	950	915	880	845
	13	Low Cooling	1235	1200	1165	1130	1095	1065	1030	1000	965	930
	14		1270	1240	1205	1170	1140	1110	1075	1045	1015	980
	15		1310	1275	1245	1215	1185	1150	1120	1090	1060	1030
	16		1345	1310	1280	1250	1220	1190	1155	1130	1095	1065
	17		1370	1340	1310	1280	1250	1220	1190	1160	1130	1105
	18		1410	1380	1350	1320	1290	1260	1230	1205	1175	1145
	19		1445	1415	1385	1355	1330	1300	1275	1245	1215	1190
	20		1480	1450	1420	1395	1365	1340	1310	1285	1260	1235
	21		1515	1485	1460	1430	1405	1380	1355	1325	1300	1275
	22		1550	1525	1500	1475	1450	1425	1400	1375	1350	1325
	23		1590	1565	1540	1515	1490	1470	1445	1420	1395	1370
	24		1625	1600	1575	1550	1525	1505	1475	1445	1410	1380
	25	High Cooling	1700	1665	1630	1595	1565	1530	1495	1460	1420	1385

## Air Delivery - CFM (with filter) (Continued)

Unit Size	Airflow Setting	Default Setting	External Static Pressure (in. w.c.)									
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
48080V17	1	Cont. Fan	535	465	390	320	255	180	130	-	-	-
	2		590	525	460	385	325	265	200	135	-	-
	3		640	580	515	450	390	330	275	210	150	-
	4		710	650	595	535	475	420	365	315	255	195
	5		770	715	665	610	555	495	445	395	345	295
	6		830	780	725	680	625	570	520	470	425	380
	7		880	835	785	740	690	645	590	540	495	455
	8		955	910	865	820	775	730	680	630	585	540
	9		1015	975	930	890	845	805	760	715	670	625
	10	Low Heating	1050	1005	965	925	880	840	800	755	710	665
	11		1075	1035	995	955	915	875	835	795	750	705
	12		1150	1110	1075	1035	995	960	920	885	845	800
	13		1215	1175	1140	1105	1070	1035	995	960	925	890
	14	Low Cooling	1290	1255	1220	1185	1150	1115	1085	1050	1015	980
	15		1310	1275	1240	1205	1175	1140	1105	1075	1040	1005
	16	High Heating	1350	1320	1285	1250	1220	1185	1155	1125	1090	1060
	17		1435	1400	1370	1340	1305	1275	1245	1215	1185	1155
	18		1475	1440	1410	1380	1350	1320	1285	1255	1230	1200
	19		1510	1480	1450	1420	1390	1360	1330	1300	1270	1245
	20		1545	1515	1485	1455	1425	1395	1365	1340	1310	1280
	21		1575	1545	1515	1485	1460	1430	1400	1370	1345	1315
	22		1615	1590	1560	1530	1505	1475	1445	1415	1390	1360
	23		1660	1630	1605	1570	1545	1515	1490	1460	1430	1405
	24	High Cooling	1710	1685	1655	1625	1600	1570	1540	1500	1455	1415
	25		1755	1730	1700	1665	1625	1580	1540	1500	1455	1415
60080V21	1	Cont. Fan	640	550	455	365	270	180	-	-	-	-
	2		720	635	550	465	380	295	210	180	-	-
	3		825	750	670	595	515	445	365	285	220	190
	4		885	815	740	665	595	520	455	375	300	240
	5		975	910	840	770	700	635	570	510	435	370
	6	Low Heating	1085	1025	960	895	835	770	710	650	590	530
	7		1160	1100	1040	980	920	860	805	745	685	630
	8		1255	1200	1145	1085	1030	975	915	865	810	755
	9		1345	1290	1240	1185	1135	1080	1025	975	920	870
	10		1385	1335	1285	1235	1180	1130	1080	1025	975	925
	11		1430	1375	1325	1280	1230	1175	1125	1075	1025	980
	12		1545	1495	1450	1405	1360	1315	1265	1220	1170	1125
	13		1620	1575	1530	1485	1440	1395	1350	1305	1260	1215
	14	Low Cooling	1670	1630	1585	1540	1500	1460	1415	1370	1325	1285
	15	High Heating	1725	1680	1640	1595	1555	1515	1475	1430	1390	1350
	16		1775	1735	1695	1650	1615	1575	1535	1490	1450	1410
	17		1825	1785	1745	1705	1665	1630	1590	1550	1510	1470
	18		1875	1835	1795	1760	1720	1685	1645	1610	1570	1535
	19		1925	1885	1850	1810	1775	1740	1705	1665	1630	1595
	20		1955	1920	1885	1850	1815	1780	1745	1710	1675	1640
	21		1995	1960	1925	1895	1860	1825	1795	1760	1725	1690
	22		2050	2015	1980	1950	1915	1885	1855	1820	1790	1755
	23	High Cooling	2105	2075	2040	2010	1980	1945	1915	1885	1850	1825
	24		2205	2170	2140	2110	2080	2045	2010	1970	1925	1880
	25		2280	2240	2195	2150	2110	2065	2020	1980	1935	1890

## Air Delivery - CFM (with filter) (Continued)

Unit Size	Airflow Setting	Default Setting	External Static Pressure (in. w.c.)									
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
60100V21	1	Cont. Fan	700	605	515	420	340	260	175	-	-	-
	2		775	690	605	515	435	360	285	210	135	-
	3		845	765	685	605	520	445	380	310	235	165
	4		940	870	795	720	645	565	500	435	375	305
	5		1030	960	890	820	755	685	615	550	485	430
	6		1110	1050	985	915	850	790	725	655	595	535
	7		1210	1155	1095	1030	970	910	855	790	730	670
	8		1305	1250	1195	1135	1080	1020	965	910	855	795
	9		1370	1320	1265	1210	1155	1100	1045	995	940	890
	10	Low Heating	1425	1370	1320	1270	1220	1165	1110	1060	1010	960
	11		1475	1425	1375	1325	1275	1225	1170	1120	1070	1025
	12		1525	1480	1430	1380	1335	1285	1235	1185	1135	1090
	13		1575	1530	1485	1435	1390	1340	1290	1245	1195	1150
	14	Low Cooling	1670	1625	1580	1535	1490	1445	1400	1355	1310	1265
	15	High Heating	1760	1715	1675	1630	1590	1545	1505	1460	1415	1375
	16		1810	1770	1730	1690	1645	1605	1565	1525	1480	1440
	17		1865	1820	1780	1745	1705	1665	1625	1585	1545	1505
	18		1905	1865	1825	1785	1750	1710	1670	1635	1595	1555
	19		1945	1905	1865	1830	1795	1755	1715	1680	1640	1605
	20		1995	1955	1920	1885	1850	1815	1780	1740	1705	1670
	21		2045	2005	1970	1935	1900	1865	1835	1800	1765	1730
	22		2090	2055	2020	1985	1955	1920	1890	1855	1820	1790
	23		2140	2105	2070	2035	2005	1975	1945	1910	1875	1845
	24		2225	2195	2165	2135	2100	2075	2045	2010	1975	1930
	25	High Cooling	2340	2295	2255	2210	2170	2125	2080	2040	1990	1945
66100V21	1	Cont. Fan	905	810	715	625	525	425	345	260	135	-
	2		970	880	790	705	615	520	430	350	275	150
	3		1060	980	895	815	735	645	560	470	395	325
	4		1140	1065	985	905	830	755	670	585	505	430
	5		1235	1170	1100	1020	945	880	810	730	650	570
	6	Low Heating	1305	1245	1180	1105	1035	965	900	830	755	680
	7		1375	1315	1255	1185	1115	1050	990	925	855	780
	8		1440	1385	1325	1265	1195	1130	1070	1010	950	880
	9		1505	1450	1395	1335	1275	1210	1150	1090	1030	970
	10		1585	1535	1485	1425	1370	1305	1245	1190	1135	1080
	11	Low Cooling	1685	1635	1585	1535	1480	1425	1365	1310	1255	1205
	12		1740	1695	1645	1595	1545	1490	1435	1380	1325	1275
	13	High Heating	1780	1730	1685	1635	1585	1535	1480	1425	1370	1320
	14		1835	1790	1740	1695	1645	1600	1550	1495	1440	1390
	15		1885	1840	1795	1750	1705	1660	1610	1565	1510	1455
	16		1940	1895	1850	1810	1765	1720	1675	1625	1575	1525
	17		1990	1950	1905	1860	1820	1770	1730	1690	1640	1590
	18		2040	2000	1955	1920	1875	1830	1785	1745	1700	1650
	19		2090	2050	2005	1970	1925	1890	1845	1800	1760	1710
	20		2150	2110	2070	2030	1990	1950	1910	1870	1830	1790
	21		2205	2165	2130	2095	2050	2010	1975	1935	1895	1860
	22	High Cooling	2240	2200	2165	2125	2085	2050	2010	1975	1940	1900
	23		2305	2270	2235	2195	2160	2125	2090	2055	2020	1980
	24		2385	2350	2315	2280	2240	2200	2155	2110	2055	2005
	25		2425	2385	2340	2295	2250	2200	2155	2110	2060	2010

Air Delivery - CFM (with filter) (Continued)

Unit Size	Airflow Setting	Default Setting	External Static Pressure (in. w.c.)									
			0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
66120V24	1	Cont. Fan	585	475	360	265	165	-	-	-	-	-
	2		650	550	440	340	250	155	-	-	-	-
	3		705	615	510	410	320	240	150	-	-	-
	4		775	690	600	500	410	335	255	175	-	-
	5		875	790	710	625	535	455	380	310	235	155
	6		970	885	815	735	655	575	500	425	360	290
	7		1055	975	905	835	765	685	610	545	470	410
	8		1130	1060	990	925	855	785	710	640	570	510
	9		1205	1130	1065	1005	940	875	805	735	670	605
	10		1225	1155	1090	1030	965	900	835	765	700	640
	11		1315	1250	1185	1130	1070	1010	950	885	820	755
	12		1400	1340	1280	1220	1165	1110	1050	990	930	870
	13		1500	1440	1380	1325	1275	1220	1170	1115	1055	1000
	14		1590	1535	1480	1425	1375	1325	1275	1225	1175	1120
	15	Low Heating	1610	1555	1500	1445	1395	1345	1295	1245	1195	1140
	16		1645	1590	1540	1485	1435	1385	1335	1290	1240	1190
	17	Low Cooling	1740	1690	1635	1585	1535	1485	1440	1395	1345	1300
	18		1785	1735	1685	1635	1585	1540	1495	1445	1400	1355
	19		1880	1830	1785	1735	1690	1645	1600	1555	1510	1470
	20		1970	1920	1875	1830	1785	1740	1700	1655	1615	1570
	21		2090	2045	2000	1955	1915	1870	1830	1785	1745	1705
	22	High Heating	2055	2005	1960	1915	1870	1820	1780	1735	1695	1655
	23		2180	2140	2095	2055	2015	1970	1930	1890	1850	1810
	24	High Cooling	2270	2230	2185	2145	2100	2060	2005	1945	1885	1825
	25		2360	2305	2245	2185	2130	2070	2005	1945	1885	1825

NOTE:

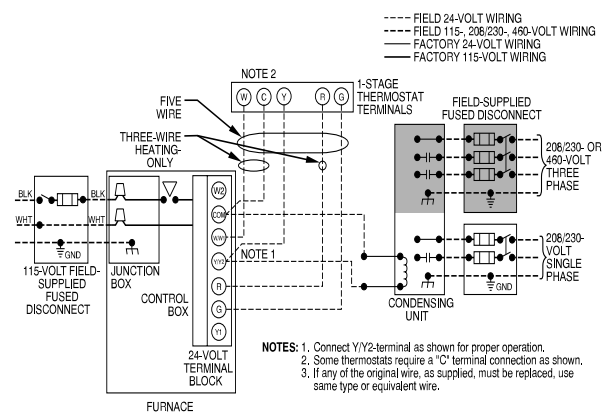
1. A filter is required for each return-air inlet. Airflow performance included 3/4-in. (19 mm) washable filter media such as contained in a factory - authorized accessory filter rack. See accessory list. To determine airflow performance without this filter, assume an additional 0.1 in. w.c. available external static pressure.
2. Adjust the blower airflow settings as necessary for the proper air temperature rise for each installation.
3. Airflows over 1800 CFM require bottom return, two-side return, or bottom and side return. A minimum filter size of 20" x 25" (508 x 635 mm) is required.
4. For upflow applications, air entering from one side into both the side of the furnace and a return air base counts as a side and bottom return
5. The -- entry indicates unstable operating conditions

Airflow Settings

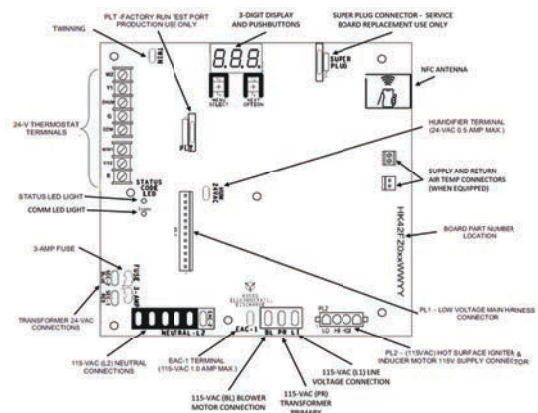
Unit Size	Default Airflow Settings*		Designated Airflow Settings		Designated Airflow Settings		
	High Heating	Low Heating	High Cooling	Low Cooling	High Heating	Low Heating	Const. Fan
30040V14	14	8	25	18	(10 - 18)	(5 - 10)	(1 - 3)
36040V17	9	4	24	13	(5 - 12)	(3 - 7)	(1 - 5)
36060V14	18	9	25	15	(12 - 23)	(6 - 11)	(1 - 3)
48060V17	10	5	25	13	(6 - 13)	(3 - 8)	(1 - 8)
48080V17	16	10	24	14	(12 - 19)	(6 - 12)	(1 - 5)
60080V21	10	6	25	14	(6 - 13)	(3 - 9)	(1 - 8)
60100V21	15	10	23	14	(10 - 19)	(5 - 12)	(1 - 3)
66100V21	13	6	22	11	(9 - 17)	(3 - 11)	(1 - 9)
66120V24	22	15	24	17	(16 - 23)	(10 - 16)	(1 - 3)

\*. Setting #1 is the default setting for Constant Fan

TYPICAL WIRING SCHEMATIC



FURNACE CONTROL BOARD



# MAXIMUM ALLOWABLE EXPOSED VENT LENGTH

## Maximum Allowable Exposed Vent Lengths in Unconditioned Space Insulation Table - Ft.

Winter Design Temp °F	Unit Size	40,000* BTUH									60,000 BTUH											
		Uninsulated			3/8-in. Insulation			1/2-in. Insulation			Uninsulated			3/8-in. Insulation			1/2-in. Insulation					
	Pipe Dia. in.	1 1/2	2	2 1/2	1 1/2	2	2 1/2	1 1/2	2	2 1/2	1 1/2	2	2 1/2	3	1 1/2	2	2 1/2	3	1 1/2	2	2 1/2	3
20	20	20	20	20	20	50	45	20	60	50	20	30	30	25	20	75	65	60	20	85	75	65
0	10	5	5	20	25	20	20	30	25	15	15	10	10	20	40	30	25	20	45	40	30	
-20	5			20	15	10	20	20	15	10	5			20	25	20	15	20	30	25	20	
-40				15	10	5	15	15	10	5				20	15	15	10	20	20	15	10	

\*. Not all model families have this size.

Winter Design Temp °F	Unit Size	80,000 BTUH														
		Uninsulated					3/8-in. Insulation					1/2-in. Insulation				
	Pipe Dia. in.	1 1/2	2	2 1/2	3	4	1 1/2	2	2 1/2	3	4	1 1/2	2	2 1/2	3	4
20	15	40	40	35	30	15	50	90	75	65	15	50	70	70	70	
0	15	20	15	10	5	15	50	45	35	30	15	50	50	40	35	
-20	15	10	5			15	35	30	20	15	15	40	30	25	15	
-40	10	5				15	25	20	15	5	15	30	25	20	10	

Winter Design Temp °F	Unit Size	100,000 BTUH												120,000 BTUH							
		Uninsulated				3/8-in. Insulation				1/2-in. Insulation				Uninsulated			3/8-in. Insulation			1/2-in. Insulation	
	Pipe Dia. in.	2	2 1/2	3	4	2	2 1/2	3	4	2	2 1/2	3	4	2 1/2	3	4	2 1/2	3	4		
20	20	50	40	35	20	80	95	80	20	80	105	90	10	50	40	10	75	95	10	75	105
0	20	20	15	10	20	55	45	35	20	65	55	45	10	20	15	10	55	45	10	65	50
-20	15	10	5		20	35	30	20	20	45	35	25	10	10		10	35	25	10	45	30
-40	10	5			20	25	20	10	20	30	25	15	10	5		10	25	15	10	30	20

## Maximum Allowable Exposed Vent Length in Unconditioned Space - Meters

Winter Design Temp °C	Unit Size	40,000* BTUH									60,000 BTUH											
		Uninsulated			3/8-in. Insulation			1/2-in. Insulation			Uninsulated				3/8-in. Insulation				1/2-in. Insulation			
	Pipe Dia. mm	38	51	64	38	51	64	38	51	64	38	51	64	76	38	51	64	76	38	51	64	76
-7	6.1	6.1	6.1	6.1	15.2	13.7	6.1	18.3	15.2	6.1	9.1	9.1	7.6	6.1	22.9	19.8	18.3	6.1	25.9	22.9	19.8	
-18	3.0	1.5	1.5	6.1	7.6	6.1	6.1	9.1	7.6	4.6	4.6	3.0	3.0	6.1	12.2	9.1	7.6	6.1	13.7	12.2	9.1	
-29	1.5			6.1	4.6	3.0	6.1	6.1	4.6	3.0	1.5			6.1	7.6	6.1	4.6	6.1	9.1	7.6	6.1	
-40				4.6	3.0	1.5	4.6	4.6	3.0	1.5				6.1	4.6	4.6	3.0	6.1	6.1	4.6	3.0	

\*. Not all model families have this size.

Winter Design Temp °C	Unit Size	80,000 BTUH														
		Uninsulated					3/8-in. Insulation					1/2-in. Insulation				
	Pipe Dia. mm	38	51	64	76	102	38	51	64	76	102	38	51	64	76	102
-7	4.6	12.2	12.2	10.7	9.1	4.6	15.2	27.4	22.9	19.8	4.6	15.2	21.3	21.3	21.3	
-18	4.6	6.1	4.6	3.0	1.5	4.6	15.2	13.7	10.7	9.1	4.6	15.2	15.2	12.2	10.7	
-29	4.6	3.0	1.5			4.6	10.7	9.1	6.1	4.6	4.6	12.2	9.1	7.6	4.6	
-40	3.0	1.5				4.6	7.6	6.1	4.6	1.5	4.6	9.1	7.6	6.1	3.0	

Winter Design Temp °C	Unit Size	100,000 BTUH												120,000 BTUH								
		Uninsulated				3/8-in. Insulation				1/2-in. Insulation				Uninsulated			3/8-in. Insulation			1/2-in. Insulation		
	Pipe Dia. mm	51	64	76	102	51	64	76	102	51	64	76	102	64	76	102	64	76	102	64	76	102
-7	6.1	15.2	12.2	10.7	6.1	24.4	28.9	24.4	6.1	24.4	32.0	27.4	3.0	15.2	12.2	3.0	22.9	28.9	3.0	22.9	32.0	
-18	6.1	6.1	4.6	3.0	6.1	16.8	13.7	10.7	6.1	19.8	16.7	13.7	3.0	6.1	4.6	3.0	16.8	13.7	3.0	19.8	15.2	
-29	4.6	3.0	1.5		6.1	10.7	9.1	6.1	6.1	13.7	10.7	7.6	3.0	3.0		3.0	10.7	7.6	3.0	13.7	9.1	
-40	3.0	1.5			6.1	7.6	6.1	3.0	6.1	9.1	7.6	4.6	3.0	1.5		3.0	7.6	4.6	3.0	9.1	6.1	

## Maximum Equivalent Vent Length - Ft. (M)

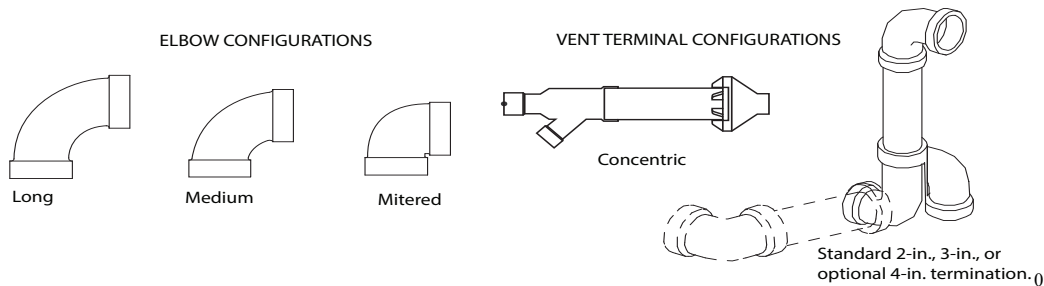
**NOTE:** Maximum Equivalent Vent Length (MEVL) includes standard and concentric vent termination and does NOT include elbows. Use Deductions from Maximum Equivalent Vent Length to determine allowable vent length for each application.

Unit Size		40,000 <sup>1</sup>			60,000 <sup>2</sup>				80,000					100,000 <sup>3</sup>				120,000		
Altitude (feet)	Pipe Dia. (in)	1 ½	2	2 ½	1 ½	2	2 ½	3	1 ½	2	2 ½	3	4	2	2 ½	3	4	2 ½	3	4
	0-2000	20	85	185	20	100	175	200	15	55	130	175	200	20	80	175	200	10	75	185
	2001-3000	15	80	175	16	95	165	185	10	49	125	165	185	15	75	165	185	5	70	175
	3001-4000		160	16		90	155	175			155	175	175			165	165			
	4001-4500	10	70	155	15	85	150	170	N/A	44	110	150	165	10	70	155	170	N/A	60	160
	4501-5000			145		80	145	165			145	160	150			165				
	5001-6000		60	130		75	140	155			41	100	135			150	65			140
	6001-7000	5	55	120	13	70	130	145	N/A	38	90	125	140	N/A	60	135	145	N/A	50	140
	7001-8000		50	110	10	65	120	135				36	120			125	55			125
	8001-9000	N/A	30	95	5	60	115	125	N/A	33	80	110	115	N/A	50	115	125	N/A	43	120
9001-10000	25		85	N/A	55	105	115	30				75	100			105	45			100

Maximum Equivalent Vent Length - Meters																				
Unit Size		40,000 <sup>1</sup>			60,000 <sup>2</sup>				80,000					100,000 <sup>3</sup>				120,000		
Altitude (meters)	Pipe Dia. (mm)	38	51	64	38	51	64	76	38	51	64	76	102	51	64	76	102	64	76	102
	0-610	6.0	25.9	56.3	6.0	30.4	53.3	60.9	4.5	16.7	39.6	53.3	60.9	6.0	24.3	53.3	60.9	3.0	22.8	56.3
	611-914	4.5	24.3	53.3	4.8	28.9	50.2	56.3	3.0	14.9	38.1	50.2	56.3	4.5	22.8	50.2	56.3	1.5	19.8	50.2
	915-1219		48.7	4.8		27.4	47.2	53.3			47.2	53.3	53.3			53.3				
	1220-1370	3.0	21.3	47.2	4.5	25.9	45.7	51.8	NA	13.4	33.5	45.7	50.2	3.0	19.8	47.2	51.8	NA	18.2	48.7
	1371-1524			44.1		4.5	24.3	44.1			50.2	44.1	48.7			45.7	50.2			
	1525-1829		18.2	39.6		22.8	42.6	47.2			12.4	30.4	41.1			45.7	18.2			41.1
	1830-2134	1.5	16.7	36.5	3.9	21.3	39.6	44.1	NA	11.5	27.4	38.1	42.6	NA	18.2	41.1	44.1	NA	15.2	42.6
	2135-2438		15.2	33.5	3.0	19.8	36.5	41.1				10.9	36.5			38.1	16.7			38.1
	2439-2743	N/A	9.1	28.9	1.5	18.2	35.0	38.1	NA	10.0	24.3	33.5	35.0	NA	15.2	35.0	38.1	NA	13.1	36.5
2744-3048	7.6		25.9	NA	16.7	32.0	35.0	9.1				22.8	30.4			32.0	13.7			30.4

- 40K Inducer Outlet Restrictor disk (P/N 337683-401; 1.25-in. (32 mm) Dia.) shipped in the loose parts bag or available through Replacement Components required under 10-ft. (3 M) TEVL in all orientations. Required for installations from 0 - 2000 ft. (0 to 610 M) above sea level. Failure to use an outlet restrictor may result in flame disturbances or flame sense lock-out.
- 60K Inducer Outlet Restrictor disk (P/N 337683-401; 1.25-in. (32 mm) Dia. available through Replacement Components) required for less than 5-ft. (1.5 M) TEVL in downflow and horizontal orientations only. Required for installations from 0 - 2000 ft. (0 to 610 M) above sea level.
- 120K Inducer Outlet Restrictor disk (P/N 337683-402; 1.50-in. (38 mm) Dia. available through Replacement Components) required for less than 5-ft. (1.5 M) TEVL in downflow and horizontal orientations only. Required for installations from 0 - 2000 ft. (0 to 610 M) above sea level.



A13110

## Deductions from Maximum Equivalent Vent Length - Ft. (M)

Pipe Diameter (in):	1-1/2		2		2-1/2		3		4	
Mitered 90° Elbow	8	(2.4)	8	(2.4)	8	(2.4)	8	(2.4)	8	(2.4)
Medium Radius 90° Elbow	5	(1.5)	5	(1.5)	5	(1.5)	5	(1.5)	5	(1.5)
Long Radius 90° Elbow	3	(0.9)	3	(0.9)	3	(0.9)	3	(0.9)	3	(0.9)
Mitered 45° Elbow	4	(1.2)	4	(1.2)	4	(1.2)	4	(1.2)	4	(1.2)
Medium Radius 45° Elbow	2.5	(0.8)	2.5	(0.8)	2.5	(0.8)	2.5	(0.8)	2.5	(0.8)
Long Radius 45° Elbow	1.5	(0.5)	1.5	(0.5)	1.5	(0.5)	1.5	(0.5)	1.5	(0.5)
Tee	16	(4.9)	16	(4.9)	16	(4.9)	16	(4.9)	16	(4.9)
Concentric Vent Termination	NA		0		NA		0		NA	
Standard Vent Termination	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)

**NOTE:**

- Use only the smallest diameter pipe possible for venting. Over-sizing may cause flame disturbance or excessive vent terminal icing or freeze-up.
- NA - Not allowed. Pressure switch will not close, or flame disturbance may result.
- Vent sizing for Canadian installations over 4500 ft (1370 M) above sea level are subject to acceptance by local authorities having jurisdiction.
- Size both the combustion air and vent pipe independently, then use the larger size for both pipes.
- Assume the two 45° elbows equal one 90° elbow. Wide radius elbows are desirable and may be required in some cases.
- Elbow and pipe sections within the furnace casing and at the vent termination should not be included in vent length or elbow count.
- The minimum pipe length is 5 ft. (2 M) linear feet (meters) for all applications.
- Use 3-in. (76 mm) diameter vent termination kit for installations requiring 4-in. (102 mm) diameter pipe

## Venting System Length Calculations

The Total Equivalent Vent Length (TEVL) for **EACH** combustion air or vent pipe equals the length of the venting system, plus the equivalent length of elbows used in the venting system from Deductions from Maximum Equivalent Vent Length - Ft. (M) Table.

Standard vent terminations or factory accessory concentric vent terminations count for zero deduction.

See vent system manufacturer's data for equivalent lengths of flexible vent pipe or other termination systems. **DO NOT ASSUME** that one foot of flexible vent pipe equals one foot of straight PVC/ABS DWV vent pipe.

Compare the Total Equivalent Vent Length to the Maximum Equivalent Vent Lengths in Maximum Equivalent Vent Length Table.

### Example 1

A direct-vent 60,000 BTUH furnace installed at 2100 ft. (640M). Venting system includes **FOR EACH PIPE:**

70 feet (22 M) of vent pipe, 65 feet (20 M) of combustion air inlet pipe, (3) 90° long-radius elbows, (2) 45° long-radius elbows, and a factory accessory concentric vent kit.

Can this application use 2" (50 mm ND) PVC/ABS DWV vent piping?

Measure the required linear length of air inlet and vent pipe; insert the longest of the two here					70 ft. (22 M)	Use length of the longer of the vent or air inlet piping system
Add equiv length of (3) 90° long-radius elbows (use the highest number of elbows for either the vent or inlet pipe)	3	x	3 ft. (0.9 M)	=	9 ft. (2.7 M)	From Deductions from Maximum Equivalent Vent Length - Ft. (M) Table.
Add equiv length of (2) 45° long-radius elbows (use the highest number of elbows for either the vent or inlet pipe)	2	x	1.5 ft. (0.5 M)	=	3 ft. (0.9 M)	From Deductions from Maximum Equivalent Vent Length - Ft. (M) Table.
Add equiv length of factory concentric vent term					0 ft.	From Deductions from Maximum Equivalent Vent Length - Ft. (M) Table.
Add correction for flexible vent pipe, if any					0 ft.	From Vent Manufacturer's instructions; zero for PVC/ABS DWV
Total Equivalent Vent Length (TEVL)					82 ft. (25 M)	Add all of the above lines
Maximum Equivalent Vent Length (MEVL)					95 ft. (29 M)	For 2" pipe from Maximum Equivalent Vent Length Table.
Is TEVL less than MEVL?					YES	Therefore, 2" pipe MAY be used

### Example 2

A direct-vent 60,000 BTUH furnace installed at 2100 ft. (640M). Venting system includes **FOR EACH PIPE:**

100 feet (30 M) of vent pipe, 95 feet (29 M) of combustion air inlet pipe, (3) 90° long-radius elbows, and a polypropylene concentric vent kit. Also includes 20 feet (6.1 M) of flexible polypropylene vent pipe, included within the 100 feet (30 M) of vent pipe.

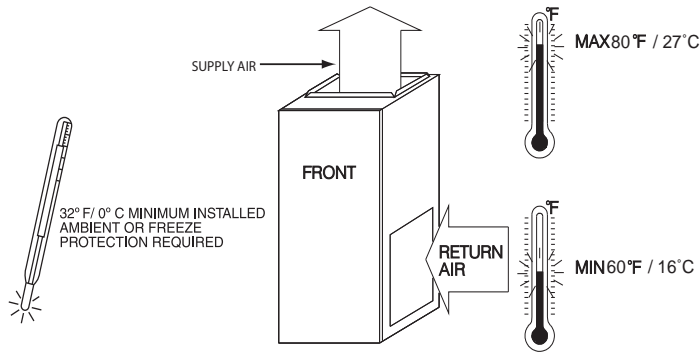
VERIFY FROM POLYPROPYLENE VENT MANUFACTURER'S INSTRUCTIONS for the multiplier correction for flexible vent pipe.

Can this application use 60mm o.d. (2") polypropylene vent piping? If not, what size piping can be used?

Measure the required linear length of <b>RIGID</b> air inlet and vent pipe; insert the longest of the two here: 100 ft. Of rigid pipe - 20 ft. Of flexible pipe				=	80 ft. (24 M)	Use length of the longer of the vent or air inlet piping system
Add equiv length of (3) 90° long-radius elbows (use the highest number of elbows for either the vent or inlet pipe)	3	x	5 ft. (1.5 M)	=	15 ft. (4.6 M)	Example from polypropylene vent manufacturer's instructions, Verify from vent manufacturer's instructions.
Add equiv length of 45° long-radius elbows (use the highest number of elbows for either the vent or inlet pipe)	0	x		=	0 ft. (0 M)	
Add equiv length of factory concentric vent term	9	x	3.3 ft. (0.9 M)	=	30 ft. (9 M)	
Add correction for flexible vent pipe, if any	2*	x	20 ft. (6.1 M)	=	40 ft. (12.2 M)	
* VERIFY FROM VENT MANUFACTURER'S INSTRUCTIONS; For example only, assume 1 meter of flexible 60mm (2") or 80mm (3") polypropylene pipe equals 2.0 meters (6.5 ft.) of PVC/ABS pipe.						
Total Equivalent Vent Length (TEVL)					165 ft. (50 M)	Add all of the above lines
Maximum Equivalent Vent Length (MEVL)					95 ft. (29 M)	For 2" pipe from Maximum Equivalent Vent Length Table.
Is TEVL less than MEVL?					NO	Therefore, 60mm (2") pipe may NOT be used; try 80mm (3")
Maximum Equivalent Vent Length (MEVL)					185 ft. (57 M)	For 3" pipe from Maximum Equivalent Vent Length Table.
Is TEVL less than MEVL?					YES	Therefore, 80mm (3") pipe MAY be used

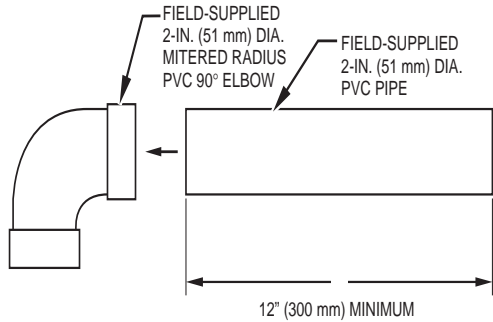
### RETURN AIR TEMPERATURE

This furnace is designed for continuous return-air minimum temperature of 60°F (15°C) db or intermittent operation down to 55°F (13°C) db such as when used with a night setback thermometer. Return-air temperature must not exceed 80°F (27°C) db. Failure to follow these return air limits may affect reliability of heat exchangers, motors and controls.



A10490

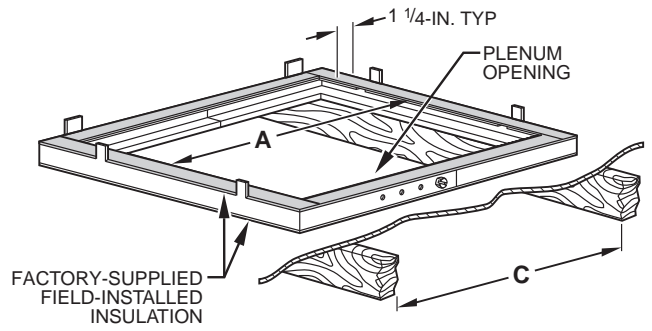
### COMBUSTION-AIR PIPE FOR NON-DIRECT (1-PIPE) VENT APPLICATION



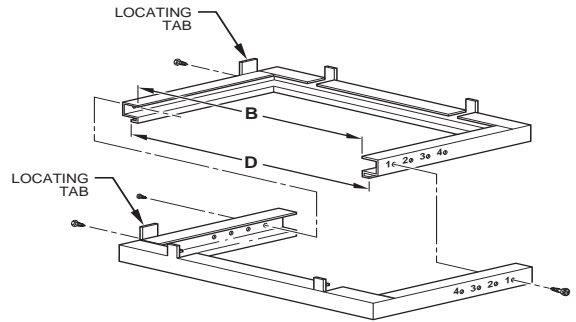
A12376

**NOTE:** See Installation Instructions for specific venting configurations.

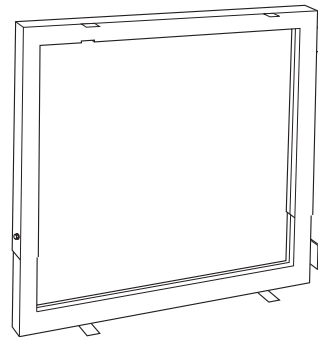
### DOWNFLOW SUBBASE



A97427



A88207



**Downflow Subbase**

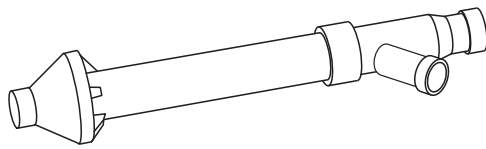
A88202

One base fits all furnace sizes. The base is designed to be installed between the furnace and a combustible floor when no coil box is used or when a coil box other than the manufacturer's cased coil is used. It is CSA design certified for use with the manufacturer's branded furnaces when installed in downflow applications.

		DIMENSIONS (IN. / MM)				HOLE NO. FOR WIDTH ADJUSTMENT
FURNACE CASING WIDTH	FURNACE IN DOWNFLOW APPLICATION	PLENUM OPENING*		FLOOR OPENING		
		A	B	C	D	
14-3/16 (360)	Furnace with or without Cased Coil Assembly or Coil Box	11-3/16 (322)	19 (483)	13-7/16 (341)	20-5/8 (600)	4
17-1/2 (445)	Furnace with or without Cased Coil Assembly or Coil Box	15-1/8 (384)	19 (483)	16-3/4 (426)	20-5/8 (600)	3
21 (533)	Furnace with or without Cased Coil Assembly or Coil Box	18-5/8 (396)	19 (483)	20-1/4 (514)	20-5/8 (600)	2
24-1/2 (622)	Furnace with or without Cased Coil Assembly or Coil Box	22-1/8 (562)	19 (483)	23-3/4 (603)	20-5/8 (600)	1

\*. The plenum should be constructed 1/4-in. (6 mm) smaller in width and depth than the plenum dimensions shown above.

## CONCENTRIC VENT KIT

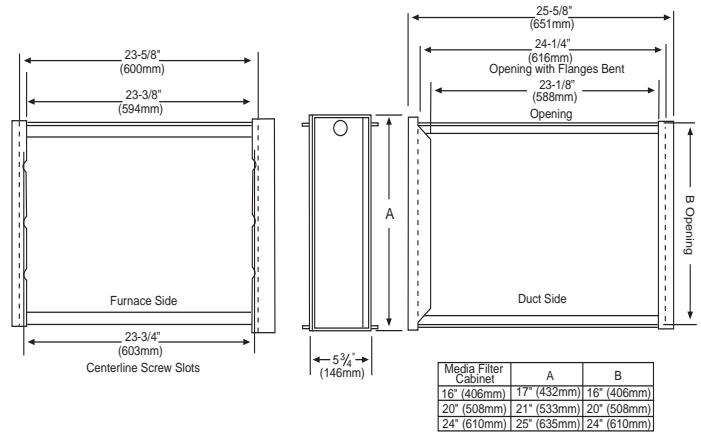


**Concentric Vent Kit**

A93086

A concentric vent kit allows vent and combustion-air pipes to terminate through a single exit in a roof or side wall. One pipe runs inside the other allowing venting through the inner pipe and combustion air to be drawn in through the outer pipe.

## MEDIA FILTER CABINET (OPTIONAL ACCESSORY)



NOTE: Media cabinet is matched to the bottom opening on furnace. May also be used for side return.

A12428

## ACCESSORIES

PART NUMBER	DESCRIPTION	30040V14	36040V17	36060V14	48060V17
P908-0001*	Condensate Neutralizer Kit	X	X	X	X
92-1003*	Gas Valve Tower Port Adapter Kit	X	X	X	X
ACG1425NCB*	External Filter Rack, 14- 1/2 x 25"	X	-	X	-
ACG1625NCF*	External Filter Rack, 16 x 25"	-	X	-	X
325531-402*	Washable filter, 3/4" x 16" x 25"	X	X	X	X
KGADA0101ALL	Coil Adapter Kits - No Offset	X	X	X	X
KGADA0201ALL	Coil Adapter Kits - Single Offset	X	X	X	X
KGADA0301ALL	Coil Adapter Kits - Double Offset	X	X	X	X
KGARP0301B14	Return Air Base (Upflow Applications) 14" wide	X	-	X	-
KGARP0301B17	Return Air Base (Upflow Applications) 17-1/2" wide	-	X	-	X
KGADC0101BVC	Vent Kit - Through the Cabinet	X	X	X	X
KGAVT0701CVT	Vent Terminal - Concentric - 2" (51 mm)	See Venting Tables			
KGAVT0801CVT	Vent Terminal - Concentric - 3" (76 mm)				
KGAVT0101BRA	Vent Terminal Bracket - 2" (51 mm)				
KGAVT0201BRA	Vent Terminal Bracket - 3" (76 mm)				
KGAAC0101RVC	Vent Kit - Rubber Coupling				
KGAHT0101CFP	Freeze Protect Kit - Condensate Drain Line Tape	X	X	X	X
KGAHT0201CFP	Freeze Protect Kit - Condensate Trap with Heat Pad	X	X	X	X
KGAAD0110PVC	CPVC to PVC Drain Adapters - 1/2" CPVC to 3/4" PVC	X	X	X	X
KGACK0101HCK	Horizontal Trap Grommet - Direct Vent	All 2-Pipe Horizontal			
KGAET0201ETK	External Trap Kit	X	X	X	X
KGASB0201ALL	Downflow Furnace Base Kit for Combustible Floors	X	X	X	X
KGAAD0101MEC	IAQ Device Duct Adapters 20.0-in. IAQ to 16 in. Side Return	20"x25" IAQ Devices			
KGAAD0201MEC	IAQ Device Duct Adapters 24.0-in. IAQ to 16 in. Side Return	24"x25" IAQ Devices			
AGAGC9NPS01D*	Gas Conversion Kit - Nat to LP†	X	X	X	X
AGAGC9PNS01D*	Gas Conversion Kit - LP to Nat†	X	X	X	X
AGATWNDTE01C	Twinning Kit - (MCT) ECM Motor	-	-	-	X

\*. Purchased through Replacement Components

†. Factory-authorized and field installed. Fuel conversion kits are CSA recognized.

X = Accessory

**ACCESSORIES (continued)**

PART NUMBER	DESCRIPTION	48080V17	60080V21	60100V21	66100V21	66120V24
P908-0001*	Condensate Neutralizer Kit	X	X	X	X	X
92-1003*	Gas Valve Tower Port Adapter Kit	X	X	X	X	X
ACG1625NCF*	External Filter Rack, 16 x 25"	X	-	-	-	-
ACG2025NCJ*	External Filter Rack, 20 x 25"	-	X	X	X	-
ACG2424NCL*	External Filter Rack, 24-1/2 x 24"	-	-	-	-	X
325531-402†	Washable filter, 3/4" x 16" x 25"	X	-	-	-	-
325531-403†	Washable filter, 3/4" x 20" x 25"	-	X	X	X	-
325531-404†	Washable filter, 3/4" x 24" x 25"	-	-	-	-	X
KGADA0101ALL	Coil Adapter Kits - No Offset	X	X	X	X	X
KGADA0201ALL	Coil Adapter Kits - Single Offset	X	X	X	X	X
KGADA0301ALL	Coil Adapter Kits - Double Offset	X	X	X	X	X
KGARP0301B17	Return Air Base (Upflow Applications) 17-1/2" wide	X	-	-	-	-
KGARP0301B21	Return Air Base (Upflow Applications) 21" wide	-	X	X	X	-
KGARP0301B24	Return Air Base (Upflow Applications) 24-1/2" wide	-	-	-	-	X
KGAVT0701CVT	Vent Terminal - Concentric - 2" (51 mm)	See Venting Tables				
KGAVT0801CVT	Vent Terminal - Concentric - 3" (76 mm)					
KGAVT0101BRA	Vent Terminal Bracket - 2" (51 mm)					
KGAVT0201BRA	Vent Terminal Bracket - 3" (76 mm)					
KGADC0101BVC	Vent Kit - Through the Cabinet for HZ left/right ONLY					
KGAAC0101RVC	Polypropylene Inlet Air Pipe Coupling	X	X	X	X	X
KGAHT0101CFP	Freeze Protect Kit - Condensate Drain Line Tape	X	X	X	X	X
KGAHT0201CFP	Freeze Protect Kit - Condensate Trap with Heat Pad	X	X	X	X	X
KGAAD0110PVC	CPVC to PVC Drain Adapters - 1/2" CPVC to 3/4" PVC	X	X	X	X	X
KGACK0101HCK	Horizontal Trap Grommet - Direct Vent	All 2-Pipe Horizontal				
KGAET0201ETK	External Trap Kit	X	X	X	X	X
KGASB0201ALL	Downflow Furnace Base Kit for Combustible Floors	X	X	X	X	X
KGAAD0101MEC	IAQ Device Duct Adapters 20" IAQ to 16" Side Return	20"x25" IAQ Devices				
KGAAD0201MEC	IAQ Device Duct Adapters 24" IAQ to 16" Side Return	24"x25" IAQ Devices				
AGAGC9NPS01D*	Gas Conversion Kit - Nat to LP†	X	X	X	X	X
AGAGC9PNS01D*	Gas Conversion Kit - LP to Nat†	X	X	X	X	X
AGATWNDTE01C	Twinning Kit - (MCT) ECM Motor	X	X	X	-	X
KGAPC0101ECM	Lower Amp Kit	-	X	X	-	-

\* Purchased through Replacement Components

† Factory-authorized and field installed. Fuel conversion kits are CSA (formerly AGA/CGA) recognized.

X = Accessory

**ACCESSORIES (continued)**

DESCRIPTION	
Gas Orifice Kit - #42 (Nat Gas)	LH32DB207
Gas Orifice Kit - #43 (Nat Gas)	LH32DB202
Gas Orifice Kit - #44 (Nat Gas)	LH32DB200
Gas Orifice Kit - #45 (Nat Gas)	LH32DB205
Gas Orifice Kit - #46 (Nat Gas)	LH32DB208
Gas Orifice Kit - #47 (Nat Gas)	LH32DB078
Gas Orifice Kit - #48 (Nat Gas)	LH32DB076
Gas Orifice Kit - #54 (LP)	LH32DB203
Gas Orifice Kit - #55 (LP)	LH32DB201
Gas Orifice Kit - #56 (LP)	LH32DB206
Gas Orifice Kit - 1.25mm (LP)	LH32DB209
Gas Orifice Kit - 1.30mm (LP)	LH32DB210

See Installation Instructions for model, altitude, and heat value usages.

DESCRIPTION	ACCESSORY
HUMIDIFIER	Model HUM
HEAT RECOVERY VENTILATOR	Model HRV
ENERGY RECOVERY VENTILATOR	Model ERV
UV LIGHTS	Model UVL

Bryant has a wide variety of thermostats for your system, please visit [www.Bryant.com](http://www.Bryant.com) to see all thermostat and IAQ products.

**ACCESSORIES (continued)**

DESCRIPTION	ACCESSORY	14"	17"	21"	24"
Bryant Carbon Monoxide Alarm (10 pack)	COALMBBNRB02-A10	X	X	X	X
Bryant Evolution Air Purifier - 16x25 (407x635 mm)	DGAPAXX1625	X	X	-	-
Bryant Evolution Air Purifier - 20x25 (508x635 mm)	DGAPAXX2025	-	-	X	X
Bryant Evolution Air Purifier Repl. Filter- 16x25 (407x635 mm)	PGAPXCAR1625A02	X	X	-	-
Bryant Evolution Air Purifier Repl. Filter- 20x25 (508x635 mm)	PGAPXCAR2025A02	-	-	X	X
Cartridge Media Filter - 16" (407 mm) (MERV 11)	FILXXCAR0116	X	X	-	-
Cartridge Media Filter - 16" (407 mm) (MERV 8)	FILXXCAR0016	X	X	-	-
Cartridge Media Filter - 20" (508 mm) (MERV 8)	FILXXCAR0020	-	-	X	-
Cartridge Media Filter - 20" (508 mm) (MERV11)	FILXXCAR0120	-	-	X	-
Cartridge Media Filter - 24" (610 mm) (MERV 8)	FILXXCAR0024	-	-	-	X
Cartridge Media Filter - 24" (610 mm) (MERV11)	FILXXCAR0124	-	-	-	X
EZ Flex Cabinet Side or Bottom - 16"	EZXCAB--0016	X	X	-	-
EZ Flex Cabinet Side or Bottom - 20"	EZXCAB--0020	-	-	X	X
EZ Flex Replacement Filters 16" MERV 10	EXPXXFIL0016	X	X	-	-
EZ Flex Replacement Filters 16" MERV 13	EXPXXFIL0316	X	X	-	-
EZ Flex Replacement Filters 20" MERV 10	EXPXXFIL0020	-	-	X	-
EZ Flex Replacement Filters 20" MERV 13	EXPXXFIL0320	-	-	X	-
EZ Flex Replacement Filters 24" MERV 10	EXPXXFIL0024	-	-	-	X
EZ Flex Replacement Filters 24" MERV 13	EXPXXFIL0324	-	-	-	X
EZ-Flex Filter with End Caps - 16" (407 mm) (MERV 10)	EXPXXUNV0016	X	X	-	-
EZ-Flex Filter with End Caps - 16" (407 mm) (MERV 13)	EXPXXUNV0316	X	X	-	-
EZ-Flex Filter with End Caps - 20" (508 mm) (MERV 10)	EXPXXUNV0020	-	-	X	-
EZ-Flex Filter with End Caps - 20" (508 mm) (MERV 13)	EXPXXUNV0320	-	-	X	-
EZ-Flex Filter with End Caps - 24" (610 mm) (MERV 10)	EXPXXUNV0024	-	-	-	X
EZ-Flex Filter with End Caps - 24" (610 mm) (MERV 13)	EXPXXUNV0324	-	-	-	X
Media Filter Cabinet - 20"	FILCABXL0020	-	-	X	-
Media Filter Cabinet - 24"	FILCABXL0024	-	-	-	X
Media Filter Cabinet - 16"	FILCABXL0016	X	X	-	-

## FJ4 Base Series Fan Coil Sizes 18 - 60



### Product Data



A10083

#### AIR HANDLER TECHNOLOGY AT ITS FINEST

The FJ4 fan coil has the proven technology of Bryant fan coil units with Puron<sup>®</sup> refrigerant as well as vertical and horizontal applications. The design features contoured condensate pans with rugged drain connections, ensuring that little water is left in the unit at the end of the cooling duty cycle. The lack of standing condensate and corrosion free pans improves IAQ and product life, features homeowners appreciate.

Standard features include grooved tubing and louvered fins. Coil circuiting has also been updated to make the most of all Bryant heat pumps and air conditioners. Units come with solid state fan controls, 1-inch (25mm) thick insulation with R-value of 4.2, multi-speed motors, and fully-wettable coils. Units can accommodate factory- and/or field-installed heaters from 3 to 30 kW.

Assembled at the factory compliant with low leak requirements of less than 2% cabinet leakage rate at 0.5 inches W.C. and 1.4% cabinet leakage rate at 0.5 inches W.C. when tested in accordance with ASHRAE 193 standard.

The FJ4 fan coil design is loaded with popular features. These fan coils utilize the latest in electronic commutation motor (ECM) technology through the use of high efficiency, multi-tap ECM motors allowing reliable air delivery with increased static pressure. It comes in a pre-painted (taupe metallic) galvanized steel casing and a factory-supplied power plug for ease of installation. The unit is shipped with a Puron refrigerant TXV (sizes 18–60).

#### STANDARD FEATURES

- Multi-tap ECM (electronic commutating motor) motors – all sizes
- Integrated motor controls, with 90-sec off TDR function, have replaced integrated circuit board.
- Five available speed tags to meet a wide range of applications
- Large, grooved tube, louvered fin coils
- Efficient, quiet, time-tested blower housings and diffusers
- Sturdy, drainable condensate pans
- Cabinet construction features innovations designed to prevent cabinet sweating.
- Tested for condensate disposal in much tougher conditions than Air Conditioning and Refrigeration Institute requirements.
- Super-thick R-4.2 insulation with vapor barrier
- Pre-painted galvanized steel cabinet (taupe metallic)
- Design meets stringent regulations for cabinet air leakage of less than 2% when tested at 0.5 inches W.C., and cabinet air leakage less than 1.4% at 0.5 inches W.C. when tested in accordance with ASHRAE 193 standard.
- Installation-flexible, multipoise units
- 2-piece modular design available for 42 thru 60 sizes. Facilitates attic and crawlspace installations.
- Horizontal hanging provisions on cabinet
- No tools required to access filter.
- Newly improved filter rack area filter door insulation added for improved air seal.
- Factory-installed heater packages available on select models (5 through 15 kW).
- 3 through 30 kW accessory heaters - field installed
- Factory-supplied power plug
- Easy plug-in provisions for heater installation.
- Entry options for high and low voltage wiring hook-up.
- Leak-preventing sweat connections
- Thermostatic expansion valve, TXV, on all coils
- Designed for manufactured housing applications.

### MODEL NUMBER NOMENCLATURE

	1	2	3	4	5	6	7	8	9	10	11	12
	F	J	4	D	N	X	C	3	6	L	0	0
<b>Product</b> F = Fan Coil								<b>Electric Heater Size</b> 00 = No Heat 05 = 5 kW 08 = 8 kW 10 = 10 kW 11 = 11 kW 15 = 15 kW				
<b>Type / Tier</b> J = Legacy™												
<b>Refrigerant Type</b> 4 = Puron®												
<b>Major Series</b> D												
<b>Electrical</b> N = 208/230V, 1 ph, 60 Hz												
<b>Cabinet Type / Metering Device</b> B = Modular, TXV X = Singular, TXV												
<b>Cabinet Width</b> A = 14"; B = 17" C = 21"; D = 24"												
								<b>Coil Type</b> L = Aluminum				
								<b>Nominal Capacity</b> 18 = 18,000 24 = 24,000 30 = 30,000 36 = 36,000 42 = 42,000 48 = 48,000 60 = 60,000				



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to [www.ahridirectory.org](http://www.ahridirectory.org).



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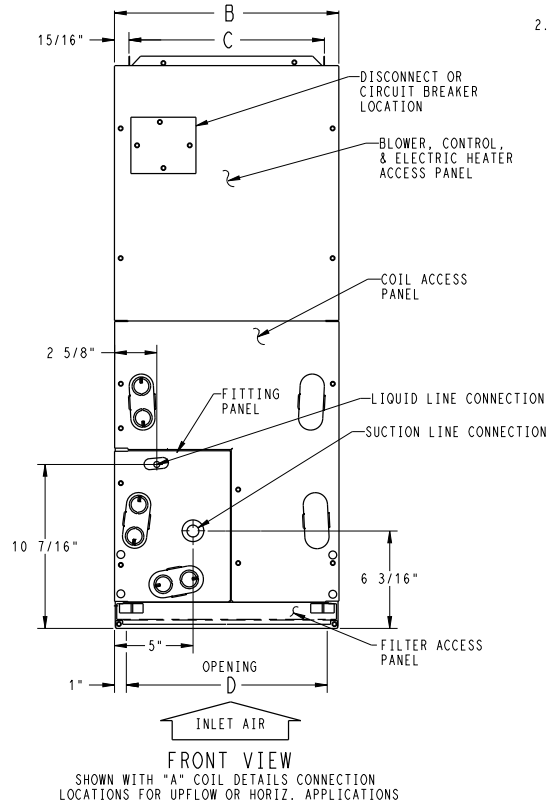
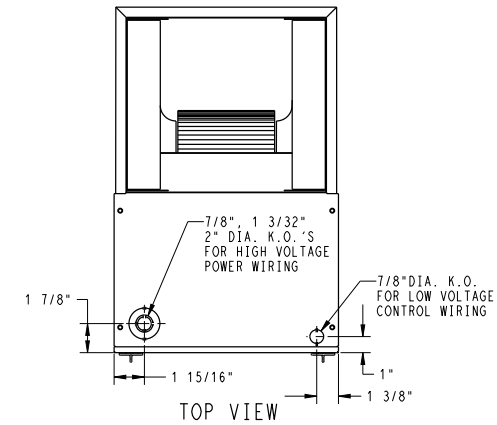
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Table 1 – Models Available

1-1/2 Ton	2 Ton	2-1/2 Ton	3 Ton	3-1/2 Ton	4 Ton	5 Ton
FJ4DNXA18L00 FJ4DNXA18L05 FJ4DNXA18L08	FJ4DNXB24L00 FJ4DNXB24L05 FJ4DNXB24L10	FJ4DNXB30L00 FJ4DNXB30L08 FJ4DNXB30L10	FJ4DNXB36L00 FJ4DNXB36L10 FJ4DNXB36L15	FJ4DNBC42L00 FJ4DNXC42L00 FJ4DNXC42L10 FJ4DNXC42L15	FJ4DNBC48L00 FJ4DNXC48L00 FJ4DNXC48L10 FJ4DNXC48L15	FJ4DNBD60L00 FJ4DNXD60L00

# DIMENSIONS

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.



UNIT	SERIES	ELECTRICAL CHARACTERISTICS		A	B	C	D	E	F	G	H	J	COIL CONFIGURATION		SHIPPING WT (LBS)
													SLOPE	"A"	
FJ4DNXA18	A, B	X	*	42 11/16"	14 5/16"	12 7/16"	12 5/16"	10 7/16"	18 1/8"	18 5/8"	-	12"	X	-	REFER TO TABLE 1
FJ4DNXB24	A, B	X	*	49 5/8"	17 5/8"	15 3/4"	15 5/8"	15 3/8"	23 1/8"	23 5/8"	-	17"	X	-	
FJ4DNXB30	A, B	X	*	49 5/8"	17 5/8"	15 3/4"	15 5/8"	15 7/8"	23 1/8"	23 1/2"	-	-	-	X	
FJ4DNXB36	A, B	X	*	49 5/8"	17 5/8"	15 3/4"	15 5/8"	15 7/8"	23 1/8"	23 1/2"	-	-	-	X	
FJ4DNBC42	A, B	X	*	53 7/16"	21 1/8"	19 1/4"	19 1/8"	19 1/2"	27 1/4"	26 15/16"	28 5/16"	-	-	X	
FJ4DNXC42	A, B	X	*	49 5/8"	21 1/8"	19 1/4"	19 1/8"	15 11/16"	23 7/16"	23 1/8"	-	-	-	X	
FJ4DNBC48	A	X	*	53 7/16"	21 1/8"	19 1/4"	19 1/8"	19 1/2"	27 1/4"	26 15/16"	28 5/16"	-	-	X	
FJ4DNXC48	A	X	*	53 7/16"	21 1/8"	19 1/4"	19 1/8"	19 1/2"	27 1/4"	26 15/16"	-	-	-	X	
FJ4DNBD60	A	X	*	59 3/16"	24 11/16"	22 3/4"	22 11/16"	25 1/4"	32 15/16"	32 5/8"	34 1/16"	-	-	X	
FJ4DNXD60	A	X	*	59 3/16"	24 11/16"	22 3/4"	22 11/16"	25 1/4"	32 15/16"	32 5/8"	-	-	-	X	

- NOTE:
- SERIES DESIGNATION IS THE 14TH POSITION OF UNIT PRODUCT NUMBER
  - ALL DIMENSIONS ARE IN "INCHES" UNLESS NOTED.

X=YES  
O=NO  
\*YES, DUE TO AVAILABLE FIELD INSTALLED HEATERS.

NOTE: ALLOW 21" FROM FRONT FOR SERVICE

### UNIT CONNECTION SIZES

SUCTION: 018 - 5/8" I.D. SWEAT  
024 THRU 036 - 3/4" I.D. SWEAT  
042 THRU 060 - 7/8" I.D. SWEAT  
LIQUID: 3/8" I.D. SWEAT  
CONDENSATE: 3/4" FPT

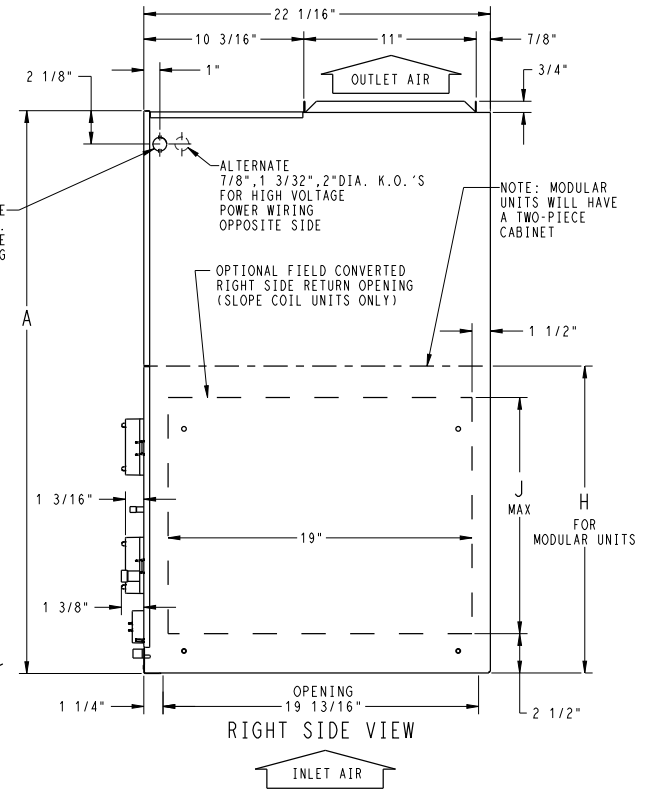
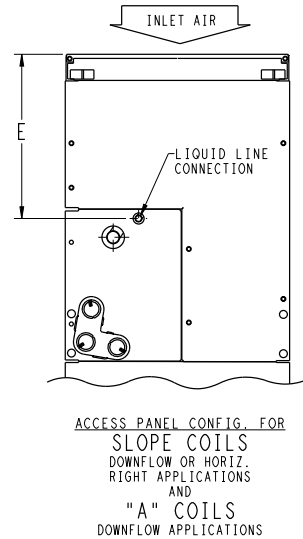
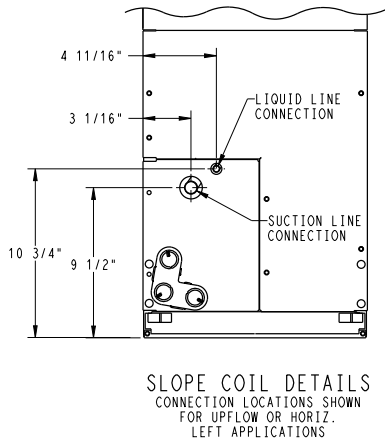


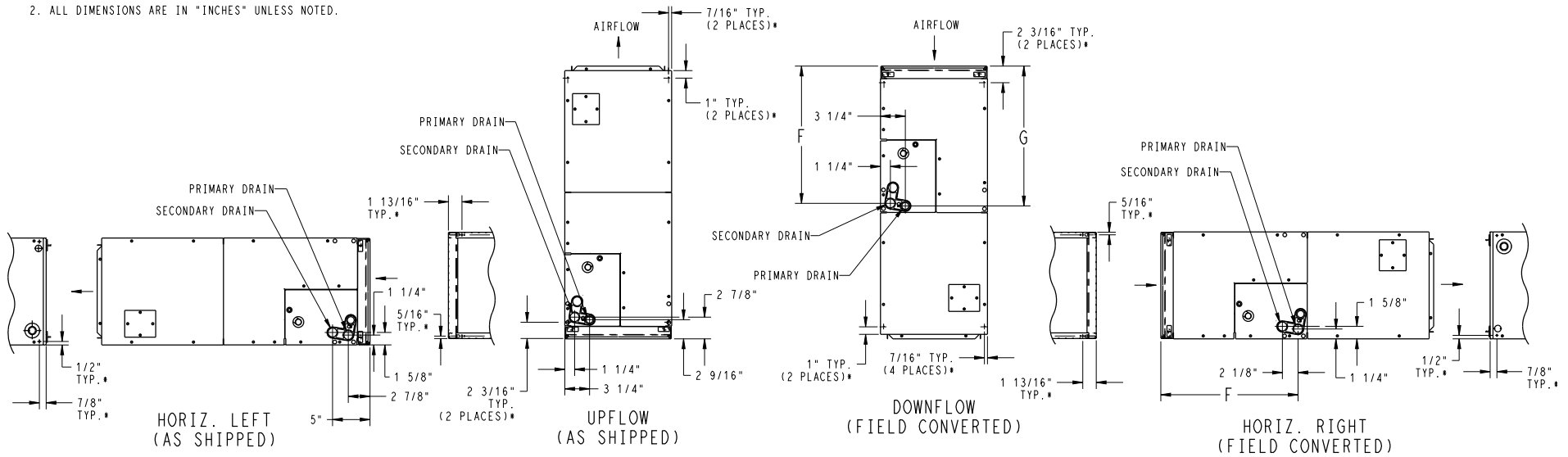
Fig. 1 – FJ4 - English (sheet 1)

**DIMENSIONS (cont.)**

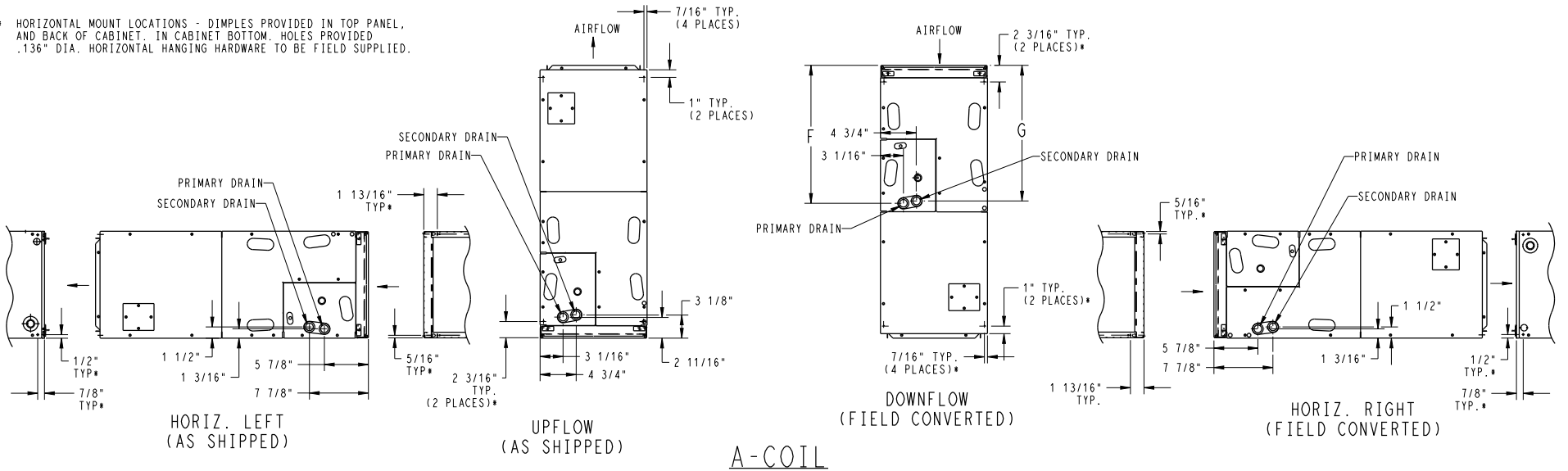
NOTES:

- 1. CONDENSATE PAN DRAIN CAPS NOT SHOWN FOR CLARITY.
- 2. ALL DIMENSIONS ARE IN "INCHES" UNLESS NOTED.

SLOPE COIL



\* HORIZONTAL MOUNT LOCATIONS - DIMPLES PROVIDED IN TOP PANEL, AND BACK OF CABINET. IN CABINET BOTTOM, HOLES PROVIDED .136" DIA. HORIZONTAL HANGING HARDWARE TO BE FIELD SUPPLIED.



A-COIL

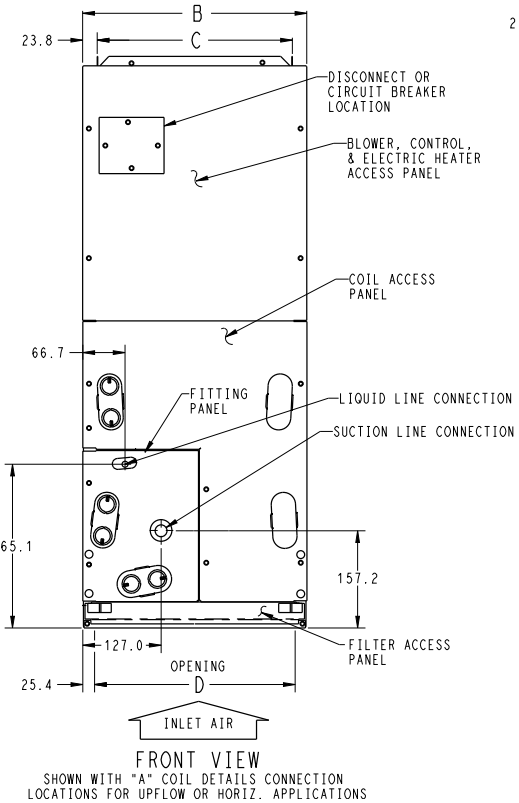
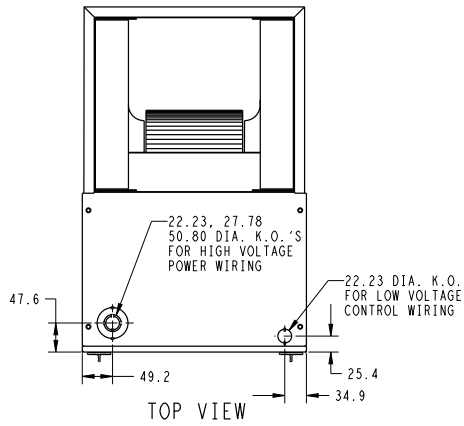
**Fig. 2 – FJ4- English (sheet 2)**

A221148A

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

# DIMENSIONS (cont.)

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.



UNIT	SERIES	ELECTRICAL CHARACTERISTICS			A	B	C	D	E	F	G	H	J	COIL CONFIGURATION		SHIPPING WT (Kgs)
		SLOPE	"A"													
FJ4DNXA18	A,B	X	*		1084.3	363.6	315.9	312.8	265.1	460.4	473.1	-	304.8	X	-	REFER TO TABLE 1
FJ4DNXB24	A,B	X	*		1260.5	447.7	400.0	396.9	390.5	587.4	600.1	-	431.8	X	-	
FJ4DNXB30	A,B	X	*		1260.5	447.7	400.0	396.9	403.2	587.4	596.9	-	-	-	X	
FJ4DNXB36	A,B	X	*		1260.5	447.7	400.0	396.9	403.2	587.4	596.9	-	-	-	X	
FJ4DNXB42	A,B	X	*		1357.3	536.6	489.0	485.8	495.3	692.2	684.2	719.1	-	-	X	
FJ4DNXC42	A,B	X	*		1260.5	536.6	489.0	485.8	398.5	595.3	587.4	-	-	-	X	
FJ4DNBC48	A	X	*		1357.3	536.6	489.0	485.8	495.3	692.2	684.2	719.1	-	-	X	
FJ4DNXC48	A	X	*		1357.3	536.6	489.0	485.8	495.3	692.2	684.2	-	-	-	X	
FJ4DNBD60	A	X	*		1503.4	627.1	577.8	576.3	641.4	836.6	828.7	865.2	-	-	X	
FJ4DNXD60	A	X	*		1503.4	627.1	577.8	576.3	641.4	836.6	828.7	-	-	-	X	

208/230-1-60	
208/230-3-60	

X=YES  
O=NO  
\*YES, DUE TO AVAILABLE FIELD INSTALLED HEATERS.

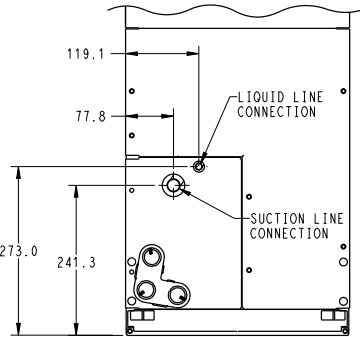
NOTE:

- SERIES DESIGNATION IS THE 14TH POSITION OF UNIT PRODUCT NUMBER
- ALL DIMENSIONS ARE IN "MM" UNLESS NOTED.

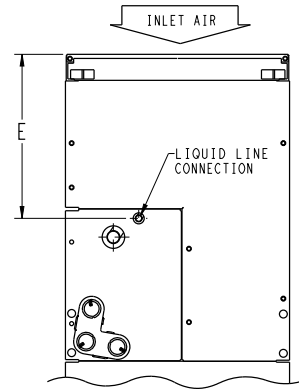
NOTE: ALLOW 533.4 FROM FRONT FOR SERVICE

### UNIT CONNECTION SIZES

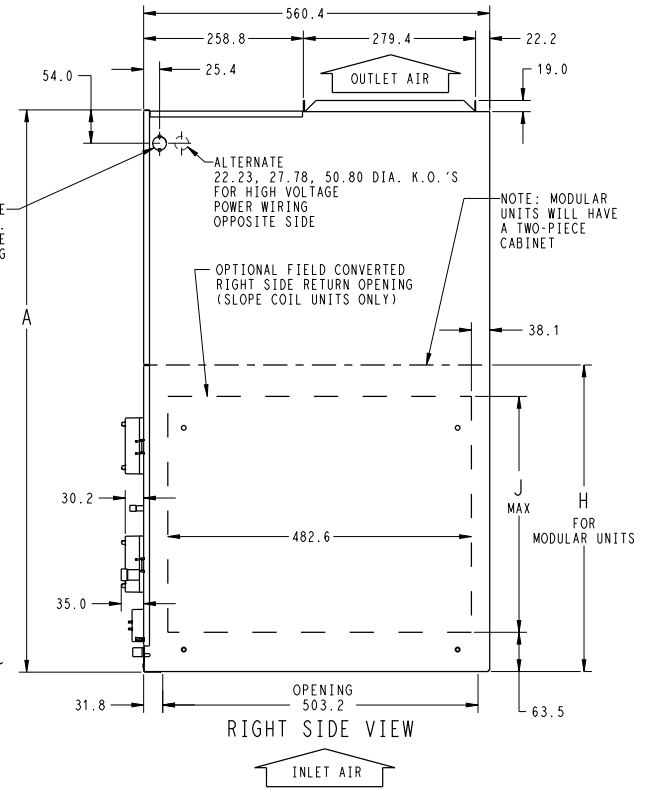
SUCTION: 018 THRU 024 - 15.88 I.D. SWEAT  
030 & 036 - 19.05 I.D. SWEAT  
042 THRU 060 - 22.23 I.D. SWEAT  
LIQUID: 9.53 I.D. SWEAT  
CONDENSATE: 19.0 FPT



SLOPE COIL DETAILS  
CONNECTION LOCATIONS SHOWN FOR UPFLOW OR HORIZ. LEFT APPLICATIONS



ACCESS PANEL CONFIG FOR SLOPE COILS  
DOWNFLOW OR HORIZ. RIGHT APPLICATIONS AND "A" COILS  
DOWNFLOW APPLICATIONS



RIGHT SIDE VIEW

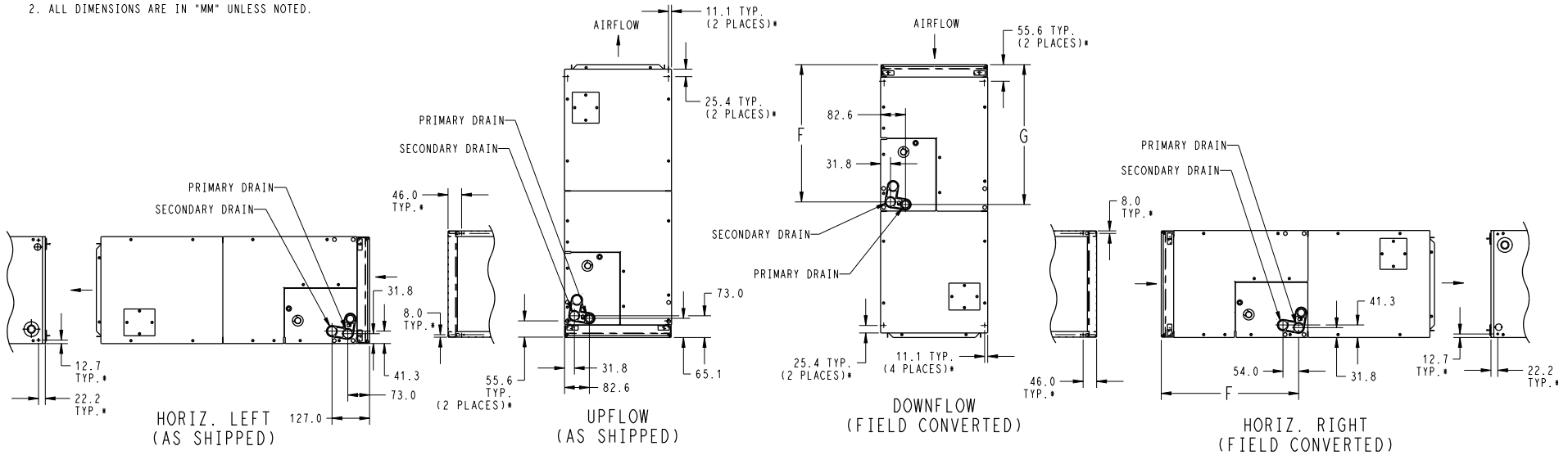
Fig. 3 – FJ4 - Metric (sheet 1)

**DIMENSIONS (cont.)**

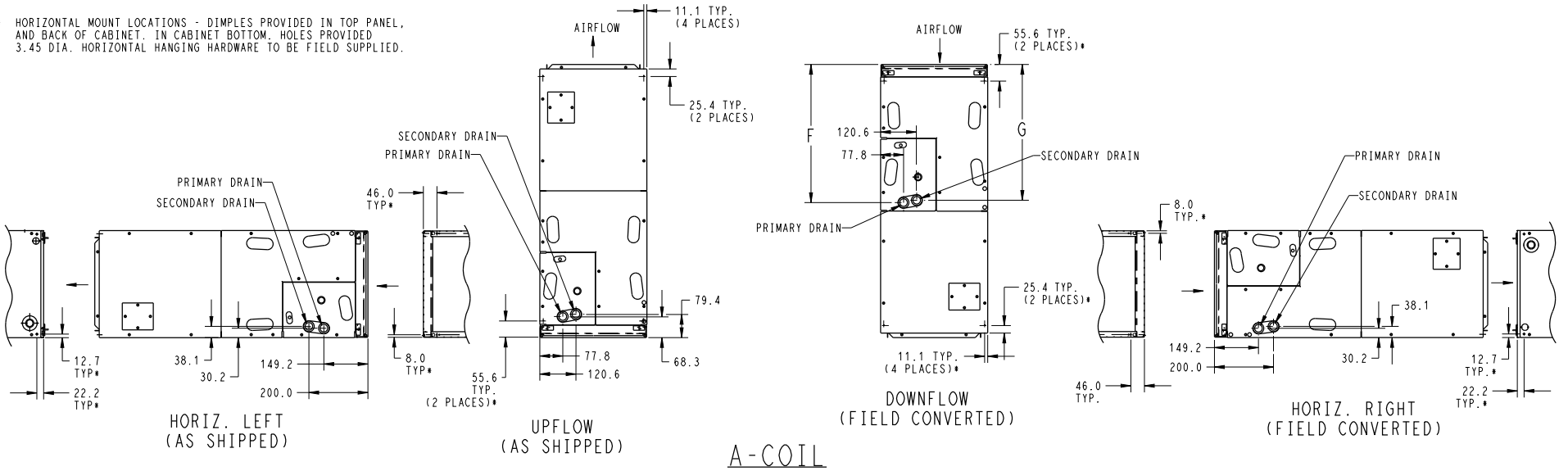
NOTES:

- 1. CONDENSATE PAN DRAIN CAPS NOT SHOWN FOR CLARITY.
- 2. ALL DIMENSIONS ARE IN "MM" UNLESS NOTED.

SLOPE COIL



\* HORIZONTAL MOUNT LOCATIONS - DIMPLES PROVIDED IN TOP PANEL, AND BACK OF CABINET. IN CABINET BOTTOM, HOLES PROVIDED 3.45 DIA. HORIZONTAL HANGING HARDWARE TO BE FIELD SUPPLIED.



A-COIL

**Fig. 4 – FJ4 - Metric (sheet 2)**

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Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

Table 2 – PHYSICAL DATA

UNIT SIZE	NOMINAL COOLING CAPACITY (Btuh)	DIMENSIONS – IN (mm)			SHIPPING WEIGHT LB (KG)
		Height	Width	Depth	
18 Singular	18,000	42-11/16 in. (1084mm)	14-5/16 in. (364mm)	22-1/16 in. (560mm)	120 (54.4)
24 Singular	24,000	49-5/8 in. (1260mm)	17-5/8 in. (448mm)	22-1/16 in. (560mm)	131 (59.4)
30 Singular	30,000	49-5/8 in. (1260mm)	17-5/8 in. (448mm)	22-1/16 in. (560mm)	148 (67.1)
36 Singular	36,000	49-5/8 in. (1260mm)	17-5/8 in. (448mm)	22-1/16 in. (560mm)	148 (67.1)
42 Singular	42,000	49-5/8 in. (1260mm)	21-1/8 in. (537mm)	22-1/16 in. (560mm)	166 (75.3)
42 Modular	42,000	53-7/16 in. (1357mm)	21-1/8 in. (537mm)	22-1/16 in. (560mm)	166.5 (75.5)
48 Singular	48,000	53-7/16 in. (1357mm)	21-1/8 in. (537mm)	22-1/16 in. (560mm)	182 (82.5)
48 Modular	48,000	53-7/16 in. (1357mm)	21-1/8 in. (537mm)	22-1/16 in. (560mm)	182.5 (82.8)
60 Singular	60,000	59-3/16 in. (1503mm)	24-11/16 in. (627mm)	22-1/16 in. (560mm)	210 (95.2)
60 Modular	60,000	59-3/16 in. (1503mm)	24-11/16 in. (627mm)	22-1/16 in. (560mm)	210.5 (95.5)

Table 3 – SPECIFICATIONS

SIZE	18	24	30	36	42	48	60
<b>EVAPORATOR COIL</b>							
Face Area, ft <sup>2</sup> (m <sup>2</sup> )	2.23 (0.21)	2.97 (0.28)	3.96 (0.37)		4.45 (0.41)	5.93 (0.55)	7.42 (0.69)
Configuration	Slope			A			
Refrigerant Sweat Liquid Line Connection, in (mm)	3/8 (9.5) ID						
Refrigerant Sweat Suction Line Connection, in (mm)	5/8 (15.9) ID	3/4 (19.1) ID			7/8 (22.2) ID		
Metering Device Puron®	TXV						
<b>FILTERS</b>							
The fan coil filter rack can accommodate most big-box nominal filters as well as some smaller filters with minimal modification.							
Market Specified Filter Dimensions (W x L), in (mm)	13 x 20 (330 x 508)	16 x 20 (406 x 508)			20 x 20 (508 x 508)		24 x 20 (584 x 508)
Actual Filter Dimensions (W x L), in (mm) to Fit Fan Coil	up to 13.375 x 19.75 (400 x 502)	up to 16.5 x 19.75 (425 x 502)			up to 19.75 x 19.75 (502 x 502)		up to 23.75 x 19.75 (603 x 502)
<b>BLOWER ASSEMBLY</b>							
Motor Type (ECM)	Multi-tap ECM						
Motor HP	1/3	1/3	1/2	1/2	1/2	3/4	3/4
CFM	525	700	875	1050	1225	1400	1750
<b>CABINET CONFIGURATIONS</b>							
	Singular (1-piece)				Singular (1-piece) or Modular (2-piece)		

## PERFORMANCE DATA

**Table 4 – Airflow Performance (CFM) Wet**

Ton (Size)	Blower Speed	External Static (in. wc)									
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
1-1/2 (18)	Tap 5	754	737	717	694	668	641	605	572	528	481
	Tap 4	695	678	655	628	600	573	551	520	479	421
	Tap 3	695	678	655	628	600	573	551	520	479	421
	Tap 2	643	620	591	557	534	506	477	439	408	378
	Tap 1	487	448	428	394	358	325	281	NA	NA	NA
2 (24)	Tap 5	1021	1003	964	925	876	838	797	761	726	689
	Tap 4	936	907	873	805	779	732	696	661	626	591
	Tap 3	936	907	873	805	779	732	696	661	626	591
	Tap 2	846	831	792	739	702	651	609	548	536	491
	Tap 1	746	697	629	567	521	477	446	389	364	326
2-1/2 (30)	Tap 5	1247	1215	1188	1154	1122	1083	1053	1017	971	915
	Tap 4	1133	1114	1082	1044	1009	968	924	873	835	785
	Tap 3	1133	1114	1082	1044	1009	968	924	873	835	785
	Tap 2	1040	997	961	929	883	828	782	725	708	667
	Tap 1	896	862	805	740	689	648	597	NA	NA	NA
3 (36)	Tap 5	1433	1404	1363	1328	1282	1251	1201	1145	1095	1021
	Tap 4	1304	1277	1256	1230	1207	1168	1122	1080	1073	983
	Tap 3	1304	1277	1256	1230	1207	1168	1122	1080	1073	983
	Tap 2	1183	1148	1124	1094	1051	1005	955	901	846	783
	Tap 1	1020	995	958	921	881	840	791	735	693	649
3-1/2 (42)	Tap 5	1571	1551	1508	1473	1439	1407	1372	1317	1253	1189
	Tap 4	1517	1493	1458	1425	1392	1358	1328	1295	1253	1193
	Tap 3	1517	1493	1458	1425	1392	1358	1328	1295	1253	1193
	Tap 2	1369	1339	1299	1263	1226	1188	1155	1112	1068	1012
	Tap 1	1260	1231	1172	1143	1077	1041	995	949	896	867
4 (48)	Tap 5	1896	1853	1821	1795	1760	1737	1702	1670	1665	1619
	Tap 4	1711	1673	1643	1607	1570	1549	1509	1490	1446	1411
	Tap 3	1711	1673	1643	1607	1570	1549	1509	1490	1446	1411
	Tap 2	1547	1504	1466	1416	1388	1369	1324	1290	1239	1200
	Tap 1	1397	1347	1312	1269	1232	1172	1135	1086	1038	989
5 (60)	Tap 5	2109	2067	2043	1996	1967	1928	1899	1848	1812	1766
	Tap 4	2109	2067	2043	1996	1967	1928	1899	1848	1812	1766
	Tap 3	2109	2067	2043	1996	1967	1928	1899	1848	1812	1766
	Tap 2	1901	1868	1825	1785	1737	1710	1662	1620	1584	1521
	Tap 1	1583	1557	1499	1451	1392	1358	1313	1259	1194	1138

**NOTES:**

1. Airflow based upon dry coil at 230V with factory-approved filter and electric heater (2 element heater sizes 018 through 036, 3 element heater sizes 042 through 060).
2. To avoid potential for condensate blowing out of drain pan prior to making drain trap:  
Return static pressure must be less than 0.40 in. wc. Horizontal applications of 042 - 060 sizes must have supply static greater than 0.20 in. wc.  
Airflow above 400 cfm/ton on 048-060 size could result in condensate blowing off coil or splashing out of drain pan.
3. At higher pextstats (above 0.6 in/wc), water blowoff is more likely to occur depending on the user's setup.

**PERFORMANCE DATA (cont.)****Table 5 – Airflow Performance (CFM) Dry**

Ton (Size)	Blower Speed	External Static (in. wc)									
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
<b>1-1/2 (18)</b>	Tap 5	762	741	721	698	672	656	635	577	547	509
	Tap 4	695	679	655	628	600	580	559	534	505	452
	Tap 3	695	679	655	628	600	580	559	534	505	452
	Tap 2	634	615	585	547	522	506	475	444	407	371
	Tap 1	498	470	434	390	356	300	272	NA	NA	NA
<b>2 (24)</b>	Tap 5	1046	1013	978	958	925	877	830	752	722	687
	Tap 4	992	950	916	869	812	763	705	660	611	585
	Tap 3	992	950	916	869	812	763	705	660	611	585
	Tap 2	900	862	814	769	709	644	594	548	507	451
	Tap 1	762	723	651	599	531	471	428	385	345	319
<b>2-1/2 (30)</b>	Tap 5	1277	1244	1226	1193	1169	1122	1094	1058	1014	969
	Tap 4	1179	1142	1114	1070	1039	998	937	915	867	825
	Tap 3	1179	1142	1114	1070	1039	998	937	915	867	825
	Tap 2	1066	1030	997	960	916	863	795	746	703	674
	Tap 1	923	878	832	784	723	658	616	563	NA	NA
<b>3 (36)</b>	Tap 5	1489	1463	1428	1388	1345	1305	1262	1213	1160	1093
	Tap 4	1357	1337	1310	1283	1249	1212	1165	1114	1064	1014
	Tap 3	1357	1337	1310	1283	1249	1212	1165	1114	1064	1014
	Tap 2	1211	1190	1162	1132	1100	1066	1016	959	905	838
	Tap 1	1059	1038	1004	967	925	887	843	791	747	681
<b>3-1/2 (42)</b>	Tap 5	1647	1620	1583	1548	1505	1464	1424	1379	1319	1250
	Tap 4	1569	1539	1506	1476	1442	1404	1370	1336	1299	1219
	Tap 3	1569	1539	1506	1476	1442	1404	1370	1336	1299	1219
	Tap 2	1393	1355	1329	1288	1248	1223	1180	1138	1091	1037
	Tap 1	1265	1234	1195	1154	1111	1062	1022	964	914	865
<b>4 (48)</b>	Tap 5	1956	1917	1887	1855	1831	1798	1763	1743	1707	1683
	Tap 4	1773	1743	1704	1667	1634	1612	1571	1536	1500	1464
	Tap 3	1773	1743	1704	1667	1634	1612	1571	1536	1500	1464
	Tap 2	1566	1524	1483	1451	1414	1376	1340	1303	1266	1217
	Tap 1	1413	1373	1328	1283	1246	1204	1168	1120	1075	1012
<b>5 (60)</b>	Tap 5	2148	2123	2084	2048	2002	1974	1939	1891	1893	1812
	Tap 4	2148	2123	2084	2048	2002	1974	1939	1891	1893	1812
	Tap 3	2148	2123	2084	2048	2002	1974	1939	1891	1893	1812
	Tap 2	1955	1913	1868	1833	1796	1757	1711	1654	1632	1570
	Tap 1	1646	1590	1527	1496	1442	1373	1315	1294	1221	1164

**NOTES:**

- Airflow based upon dry coil at 230V with factory-approved filter and electric heater (2 element heater sizes 018 through 036, 3 element heater sizes 042 through 060).
- To avoid potential for condensate blowing out of drain pan prior to making drain trap:  
Return static pressure must be less than 0.40 in. wc. Horizontal applications of 042 - 060 sizes must have supply static greater than 0.20 in. wc.  
Airflow above 400 cfm/ton on 048-060 size could result in condensate blowing off coil or splashing out of drain pan.
- At higher pextstats (above 0.6 in/wc), water blowoff is more likely to occur depending on the user's setup.

Table 6 – Gross Cooling Capacities

Unit Size	INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (°F / °C)														
			35/2			40/4			45/7			50/10			55/13		
	CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
18	525	72/22	42.80	20.80	0.00	38.40	18.70	0.00	33.50	16.50	0.01	27.90	14.10	0.02	21.70	11.70	0.02
		67/19	34.90	21.40	0.03	30.40	19.20	0.03	25.30	16.80	0.03	19.80	14.50	0.03	13.90	12.10	0.04
		62/17	27.70	21.90	0.03	23.20	19.60	0.03	18.50	17.30	0.04	14.90	14.90	0.13	12.20	12.20	0.28
	600	72/22	46.90	22.80	0.00	42.10	20.50	0.00	36.70	18.10	0.02	30.60	15.60	0.03	23.80	13.00	0.03
		67/19	38.30	23.70	0.04	33.40	21.20	0.04	27.80	18.70	0.04	21.60	16.10	0.04	15.20	13.40	0.05
		62/17	30.40	24.30	0.04	25.40	21.80	0.04	20.30	19.30	0.06	16.50	16.50	0.15	13.60	13.60	0.30
	675	72/22	50.60	24.60	0.00	45.40	22.20	0.02	39.60	19.70	0.03	33.00	17.00	0.04	25.60	14.10	0.04
		67/19	41.40	25.70	0.05	36.10	23.10	0.05	30.10	20.40	0.05	23.40	17.60	0.05	16.50	14.80	0.06
		62/17	32.90	26.60	0.05	27.50	23.90	0.05	22.10	21.10	0.07	18.10	18.10	0.17	14.90	14.90	0.32
24	700	72/22	54.40	26.40	0.00	49.20	24.00	0.00	43.30	21.40	0.01	36.40	18.50	0.02	28.60	15.50	0.03
		67/19	44.80	27.70	0.03	39.30	25.00	0.03	33.00	22.10	0.03	26.00	19.10	0.03	18.50	16.10	0.04
		62/17	35.80	28.60	0.03	30.20	25.80	0.03	24.30	22.90	0.04	19.70	19.70	0.13	16.30	16.30	0.28
	800	72/22	59.10	28.70	0.00	53.50	26.20	0.01	47.00	23.40	0.02	39.70	20.30	0.03	31.20	31.20	0.04
		67/19	48.70	30.40	0.04	42.90	27.60	0.04	36.10	24.50	0.04	28.30	21.20	0.04	20.20	17.90	0.05
		62/17	39.10	31.60	0.04	33.00	28.60	0.05	26.60	25.40	0.06	21.90	21.90	0.16	18.10	18.10	0.30
	900	72/22	63.20	30.80	0.00	57.20	28.20	0.02	50.40	25.20	0.04	42.60	22.00	0.04	33.50	18.60	0.05
		67/19	52.30	32.80	0.05	46.10	29.90	0.05	38.90	26.70	0.05	30.50	23.20	0.05	21.80	19.60	0.06
		62/17	42.10	34.50	0.05	35.60	31.30	0.06	28.80	27.90	0.07	24.00	24.00	0.18	19.80	19.80	0.32
30	875	72/22	71.60	34.70	0.00	64.40	31.30	0.00	56.30	27.70	0.00	47.20	23.80	0.02	36.80	19.70	0.02
		67/19	58.70	36.00	0.02	51.30	32.30	0.03	42.90	28.40	0.03	33.60	24.40	0.03	23.70	20.30	0.04
		62/17	46.70	36.80	0.03	39.20	33.00	0.03	31.20	29.10	0.04	25.00	25.00	0.12	20.60	20.60	0.27
	1000	72/22	78.30	38.00	0.00	70.50	34.40	0.00	61.60	30.50	0.02	51.70	26.30	0.03	40.30	21.90	0.03
		67/19	64.30	39.70	0.03	56.30	35.80	0.03	47.10	31.50	0.04	36.80	27.10	0.04	26.00	22.70	0.05
		62/17	51.40	40.90	0.04	43.10	36.70	0.04	34.40	32.40	0.05	27.90	27.90	0.14	23.00	23.00	0.29
	1125	72/22	84.30	41.00	0.00	75.90	37.20	0.00	66.80	33.20	0.02	55.80	28.60	0.04	43.60	23.80	0.04
		67/19	69.40	43.10	0.04	60.80	38.90	0.04	51.00	34.50	0.05	39.80	29.70	0.05	28.10	24.90	0.06
		62/17	55.60	44.80	0.05	46.70	40.30	0.05	37.30	35.60	0.06	30.60	30.60	0.16	25.20	25.20	0.31
36	1050	72/22	64.89	33.39	0.00	58.38	30.18	0.00	51.08	26.68	0.02	42.84	22.99	0.03	33.40	19.04	0.03
		67/19	53.14	34.96	0.04	46.48	31.47	0.04	38.88	27.72	0.04	30.22	23.74	0.04	21.13	19.74	0.05
		62/17	42.35	36.18	0.04	35.45	32.44	0.04	28.12	28.54	0.05	22.73	22.73	0.15	18.64	18.64	0.29
	1200	72/22	70.55	36.42	0.00	63.54	32.99	0.02	55.62	29.26	0.03	46.67	25.30	0.04	36.48	21.08	0.05
		67/19	57.90	38.43	0.05	50.70	34.71	0.05	42.55	30.74	0.05	33.13	26.44	0.05	23.14	22.04	0.06
		62/17	46.31	40.09	0.05	38.86	36.09	0.05	31.02	31.87	0.07	25.31	25.31	0.17	20.78	20.78	0.31
	1350	72/22	75.52	39.17	0.00	68.14	35.55	0.03	59.70	31.64	0.04	50.12	27.45	0.05	39.26	23.00	0.06
		67/19	62.18	41.63	0.06	54.49	37.72	0.06	45.77	33.52	0.06	35.75	28.98	0.06	25.00	24.22	0.08
		62/17	49.84	43.73	0.06	42.00	39.53	0.07	33.71	35.01	0.09	27.74	27.74	0.20	22.79	22.79	0.33

**Table 6 – Gross Cooling Capacities**

Unit Size	INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (°F / °C)														
			35/2			40/4			45/7			50/10			55/13		
	CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
42	1225	72/22	79.15	40.41	0.00	70.85	36.31	0.00	61.59	31.90	0.02	51.15	27.24	0.03	39.41	22.38	0.04
		67/19	64.55	42.04	0.04	56.05	37.58	0.04	46.51	32.90	0.04	35.85	28.04	0.04	24.90	23.25	0.05
		62/17	51.09	43.18	0.04	42.46	38.53	0.05	33.59	33.84	0.06	27.05	27.05	0.15	22.11	22.11	0.30
	1400	72/22	86.34	44.20	0.00	77.30	39.79	0.01	67.22	35.05	0.03	55.91	30.07	0.04	43.10	24.80	0.05
		67/19	70.55	46.30	0.05	61.37	41.55	0.05	50.95	36.50	0.05	39.20	31.18	0.06	27.27	25.94	0.07
		62/17	56.04	47.92	0.06	46.63	42.89	0.06	36.98	37.71	0.08	30.12	30.12	0.18	24.63	24.62	0.32
	1575	72/22	92.81	47.68	0.00	83.15	42.98	0.03	72.31	37.96	0.05	60.17	32.67	0.06	46.45	27.07	0.06
		67/19	76.00	50.25	0.06	66.13	45.22	0.06	55.01	39.88	0.07	42.37	34.20	0.07	29.47	28.50	0.08
		62/17	60.57	52.40	0.07	50.47	47.01	0.07	40.22	41.43	0.09	33.01	33.01	0.20	26.99	26.99	0.34
48	1400	72/22	83.95	44.30	0.00	75.71	40.05	0.00	66.36	35.45	0.01	55.84	30.58	0.02	43.82	25.38	0.03
		67/19	68.80	46.22	0.03	60.32	41.61	0.03	50.67	36.70	0.03	39.64	31.45	0.03	27.80	26.12	0.04
		62/17	54.96	47.71	0.03	46.12	42.77	0.03	36.69	37.67	0.04	29.32	29.32	0.13	24.10	24.10	0.28
	1600	72/22	91.53	48.40	0.00	82.59	43.90	0.00	72.47	38.97	0.02	61.02	33.73	0.03	48.01	28.16	0.04
		67/19	75.19	50.91	0.04	65.98	45.99	0.04	55.57	40.75	0.04	43.57	35.09	0.04	30.49	29.21	0.05
		62/17	60.21	52.94	0.04	50.73	47.68	0.04	40.48	42.10	0.06	32.72	32.72	0.15	26.92	26.92	0.30
	1800	72/22	98.31	52.15	0.00	88.79	47.39	0.02	77.99	42.21	0.03	65.70	36.65	0.04	51.81	30.76	0.05
		67/19	80.94	55.25	0.05	71.10	50.06	0.05	59.93	44.50	0.05	47.14	38.52	0.05	32.96	32.14	0.06
		62/17	64.96	57.83	0.05	54.92	52.30	0.05	44.06	46.35	0.07	35.97	35.97	0.17	29.59	29.59	0.31
60	1600	72/22	118.17	60.42	0.00	106.56	54.57	0.00	93.41	48.24	0.02	78.64	41.59	0.02	62.13	34.63	0.03
		67/19	96.74	62.87	0.03	84.83	56.56	0.03	71.43	49.91	0.03	56.41	42.93	0.03	39.37	35.48	0.04
		62/17	77.24	64.78	0.03	65.10	58.16	0.03	51.83	51.23	0.04	41.00	41.00	0.12	33.67	33.67	0.27
	1750	72/22	129.14	66.15	0.00	116.46	59.92	0.00	102.18	53.13	0.02	86.08	45.94	0.03	68.00	38.39	0.03
		67/19	105.94	69.36	0.04	92.95	62.59	0.04	78.33	55.41	0.04	61.93	47.86	0.04	43.49	39.82	0.05
		62/17	84.76	71.94	0.04	71.53	64.80	0.04	57.37	57.38	0.05	45.94	45.94	0.14	37.65	37.65	0.29
	2000	72/22	139.03	71.41	0.00	125.46	64.82	0.01	110.15	57.64	0.03	92.83	49.99	0.04	73.33	41.92	0.04
		67/19	114.27	75.38	0.05	100.34	68.21	0.05	84.61	60.58	0.05	66.92	52.51	0.05	47.25	43.94	0.06
		62/17	91.59	78.67	0.05	77.41	71.08	0.05	62.32	63.11	0.07	50.60	50.60	0.16	41.54	41.54	0.31

CFM - Cubic Ft per Minute      EWB - Entering Wet Bulb °F (°C)      LWB - Leaving Wet Bulb °F (°C)      TC - Gross Cooling Capacity 1000 Btuh  
 SHC - Gross Sensible Capacity 1000 Btuh      BF - Bypass Factor      MBH - 1000 Btuh

**NOTES:**

- Contact manufacturer for cooling capacities at conditions other than shown in table.
- Formulas:  
 Leaving db = entering db -  $\frac{\text{sensible heat cap.}}{1.09 \times \text{CFM}}$   
 Leaving wb = wb corresponding to enthalpy of air leaving coil ( $h_{lwb}$ )  
 $h_{lwb} = h_{ewb} - \frac{\text{total capacity (Btuh)}}{4.5 \times \text{CFM}}$   
 where  $h_{ewb}$  = enthalpy of air entering coil. Direct interpolation is permissible. Do not extrapolate.
- SHC is based on 80°F (27°C) db temperature of air entering coil. Below 80°F (27°C) db, subtract (Correction Factor x CFM) from SHC. Above 80°F (27°C) db, add (Correction Factor x CFM) to SHC.
- Bypass Factor = 0 indicates no psychometric solution. Use bypass factor of next lower EWB for approximation.

**SHC CORRECTION FACTOR**

BYPASS FACTOR	ENTERING AIR DRY-BULB TEMPERATURE (°F)					
		79	78	77	76	75
	81	82	83	84	85	Over 85
BYPASS FACTOR	ENTERING AIR DRY-BULB TEMPERATURE (°C)					
		26	25	25	24	24
	27	28	28	29	29	Over 85
Correction Factor						
0.10	.098	1.96	2.94	3.92	4.91	Use formula shown below
0.20	0.87	1.74	2.62	3.49	4.36	
0.30	0.76	1.53	2.29	3.05	3.82	

Interpolation is permissible.  
 Correction Factor =  $1.09 \times (1 - \text{BF}) \times (\text{db} - 80)$

**PERFORMANCE DATA (cont.)****Table 7 – Electric Heater Static Pressure Drop (in wc)**

SIZES 18 - 36			SIZES 42 - 60		
HEATER ELEMENTS	kW	EXTERNAL STATIC PRESSURE CORRECTION	HEATER ELEMENTS	kW	EXTERNAL STATIC PRESSURE CORRECTION
0	0	+02	0	0	+04
1	3, 5	+01	1	3, 5	+03
2	8, 10	0	2	8, 10	+02
3	9, 15	-02	3	9, 15	0
4	20	-04	4	20	-02
			6	18, 24, 30	-10

The airflow performance data was developed using fan coils with 10-kW electric heaters (2 elements) in the 018 through 036 size units and 15-kW heaters (3 elements) in the 042 through 061 size units. For fan coils with heaters of a different number of elements, the external available static at a given CFM from the curve may be corrected by adding or subtracting available external static pressure as indicated above.

**Table 8 – Minimum CFM and Motor Speed Selection**

SIZE	HEATER kW									
	3	5	8	9	10	15	18	20	24	30
18	525	525	525	—	600	—	—	—	—	—
24	700	700	700	—	700	775	—	—	—	—
30	—	875	875	—	875	875	—	1060	—	—
36	—	1050	970	970	970	920	—	1040	—	—
42	—	—	1225	1225	1225	1225	1225	1225	—	—
48	—	—	1400	1400	1400	1400	1400	1400	1400	1400
60	—	—	1750	1750	1750	1750	1750	1750	1750	1750

Speed Tap 4 (white wire) is used for electric heat only. White wire must remain on tap 4.

**Table 9 – Estimated Sound Power Level (dBA)\***

SIZE	CONDITIONS		OCTAVE BAND CENTER FREQUENCY						
	CFM	Ext Static Pressure	63	125	250	500	1000	2000	4000
18	525	0.50	70.8	66.8	62.8	59.8	57.8	55.8	51.8
24	700	0.50	72.0	68.0	64.0	61.0	59.0	57.0	53.0
30	875	0.50	73.0	69.0	65.0	62.0	60.0	58.0	54.0
36	1050	0.50	73.8	69.8	65.8	62.8	60.8	58.8	54.8
42	1225	0.50	74.4	70.4	66.4	63.4	61.4	59.4	55.4
48	1400	0.50	75.0	71.0	67.0	64.0	62.0	60.0	56.0
60	1750	0.50	76.0	72.0	68.0	65.0	63.0	61.0	57.0

\* Estimated sound power levels have been derived using the method described in the 1987 ASHRAE HVAC Systems & Applications Handbook, Chapter 52, p. 52.7.

**PERFORMANCE DATA (cont.)****Table 10 – EH Heater Table**

HEATER PART NO.	kW @ 240V	VOLTS/PH	STAGES (kW OPERATING)	INTERNAL CIRCUIT PROTECTION	FAN COIL SIZE USED WITH	HEATING CAP.* @ 230V
KFFE8401N03	3	230/1	3	None	18	9,400
KFFE8501N05	5	230/1	5	None	18	15,700
KFFE8801N08	8	230/1	8	None	18	25,100
KFFE8901N10	10	230/1	10	None	18	31,400
KFFE0401N03	3	230/1	3	None	24	9,400
KFFE0501N05	5	230/1	5	None	24–60	15,700
KFFE0801N08	8	230/1	8	None	24–60	25,100
KFFE0901N10	10	230/1	10	None	24–60	31,400
KFFE3201F20	20	230/1	5, 20	Fuse†	30–60	62,800
KFFE8401C05	5	230/1	5	Circuit Breaker	18	15,700
KFFE8501C08	8	230/1	8	Circuit Breaker	18	25,100
KFFE8601C10	10	230/1	10	Circuit Breaker	18	31,400
KFFE2401C05	5	230/1	5	Circuit Breaker	24–60	15,700
KFFE2501C08	8	230/1	8	Circuit Breaker	24–60	25,100
KFFE2601C10	10	230/1	10	Circuit Breaker	24–60	31,400
KFFE3301C20	20	230/1	5, 20	Circuit Breaker	30–60	62,800
KFFE2901N09	9	230/1‡	3, 9	None	36–60	28,200
KFFE3001F15	15	230/1	5, 15	Fuse†	24–60	47,100
KFFE3101C15	15	230/1	5, 15	Circuit Breaker	24–60	47,100
<b>3 Phase Only</b>						
KFFE1601315	15	230/3	5, 15	None	36–60	47,100
KFFE2001318	18	230/3	6, 12, 18	None	42–60	56,500
<b>3 Phase, Factory Shipped (field convertible to single phase)</b>						
KFFE3401F24	24	230/3	8, 16, 24	Fuse	48, 60	78,300
KFFE3501F30	30	230/3	10, 20, 30	Fuse	48, 60	94,100

\* Does not include heat from blower motor.

† Single point wiring kit required for these heaters.

‡ Field convertible to 3 phase.

**Table 11 – Electrical Data for Units without Electric Heat**

MODEL SIZE	MTR HP	MTR FLA	VOLTS/PH/Hz	SINGLE CIRCUIT		BRANCH CIRCUIT MIN WIRE SIZE* AWG
				MCA	MAXIMUM OVERCURRENT PROTECTION	
18	1/3	2.9	208/230/1/60	3.6	15	14
24	1/3	2.9	208/230/1/60	3.6	15	14
30	1/2	4.2	208/230/1/60	5.3	15	14
36	1/2	4.2	208/230/1/60	5.3	15	14
42	1/2	4.2	208/230/1/60	5.3	15	14
48	3/4	6.1	208/230/1/60	7.6	15	14
60	3/4	6.1	208/230/1/60	7.6	15	14

\* Use copper wire only. Use 75°C only in this application. When using non-metallic (NM) sheathed cable, wire size required should be based on that of 60°C conductors, instead of wire sizes shown in table above per NEC Article 336-26.

**NOTE:** If branch circuit wire length exceeds 100 ft (30 m), consult NEC 215-2 to determine maximum wire length. Use 2% voltage drop.

FLA - Full Load Amps

SCCR (Short Circuit Current Rating) = 5kA rms, symmetrical, 230V

**PERFORMANCE DATA (cont.)****Table 12 – Electrical Data for Units with Factory-Installed Heat**

Size	Motor HP	Motor FLA	Volts / Ph/ Hz	Heat Pack Installed	Single Circuit			Dual Circuit						
					Heater Amps	MCA	MOCP	Heater Amps	MCA	MOCP	Heater Amps	MCA	MOCP	
								L1/L2	L1/L2	L1/L2	L3/L4	L3/L4	L3/L4	
018L05	1/3	2.9	208/230/1/60	MKFFEH8501N05A	18.1/20.0	26.3/28.6	30/30	N/A	N/A	N/A	N/A	N/A	N/A	N/A
018L08	1/3	2.9	208/230/1/60	MKFFEH8801N08A	28.9/32.0	39.8/43.6	45/50	N/A	N/A	N/A	N/A	N/A	N/A	N/A
024L05	1/3	2.9	208/230/1/60	MKFFEH0501N05A	18.1/20.0	26.3/28.6	30/30	N/A	N/A	N/A	N/A	N/A	N/A	N/A
024L10	1/3	2.9	208/230/1/60	MKFFEH0901N10A	36.2/40.0	48.9/53.6	50/60	N/A	N/A	N/A	N/A	N/A	N/A	N/A
030L08	1/2	4.2	208/230/1/60	MKFFEH0801N08A	28.9/32.0	41.4/45.3	45/50	N/A	N/A	N/A	N/A	N/A	N/A	N/A
030L10	1/2	4.2	208/230/1/60	MKFFEH0901N10A	36.2/40.0	50.5/55.3	60/60	N/A	N/A	N/A	N/A	N/A	N/A	N/A
036L10	1/2	4.2	208/230/1/60	MKFFEH0901N10A	36.2/40.0	50.5/55.3	60/60	N/A	N/A	N/A	N/A	N/A	N/A	N/A
036L15	1/2	4.2	208/230/1/60	MKFFEH1501F15	54.2/59.9	73.0/80.1	80/90	36.2/40.0	50.5/55.3	60/60	18.1/20.0	22.6/25.0	25/25	
042L10	1/2	4.2	208/230/1/60	MKFFEH0901N10A	36.2/40.0	50.5/55.3	60/60	N/A	N/A	N/A	N/A	N/A	N/A	N/A
042L15	1/2	4.2	208/230/1/60	MKFFEH1501F15	54.2/59.9	73.0/80.1	80/90	36.2/40.0	50.5/55.3	60/60	18.1/20.0	22.6/25.0	25/25	
048L10	3/4	6.1	208/230/1/60	MKFFEH0901N10A	36.2/40.0	52.9/57.6	60/60	N/A	N/A	N/A	N/A	N/A	N/A	N/A
048L15	3/4	6.1	208/230/1/60	MKFFEH1501F15	54.2/59.9	75.4/82.5	80/90	36.2/40.0	52.9/57.6	60/60	18.1/20.0	22.6/25.0	25/25	

**HEATER ELECTRICAL DATA****Table 13 – Electric Heater Internal Protection**

HEATER kW	PHASE	FUSE QTY/SIZE	CKT BKR* QTY/SIZE
5	1	—	1/60
8	1	—	1/60
9	1/3	—	—
10	1	—	1/60
15	1	2/30–2/60	2/60
15	3	—	—
18	3	—	—
20	1	4/60	2/60
24	1/3	6/60	—
30	1/3	6/60	—

\* All circuit breakers are 2 pole.

When using units with 20-, 24-, and 30-kW electric heaters, maintain a 1-in. (25mm) clearance from combustible materials to discharge plenum and ductwork and maintain a distance of 36-in (914mm) from the unit. Use an accessory downflow base to maintain proper clearance on downflow installations. Use flexible connectors between ductwork and unit to prevent transmission of vibration. When electric heater is installed, use heat resistant material for flexible connector between ductwork and unit at discharge connection. Ductwork passing through unconditioned space must be insulated and covered with vapor barrier.

Table 14 – Electric Heater Electrical Data

FC Size	HEATER PART NO.	kW		P H A S E	Internal Circuit Protection	HEATER AMPS 208/230V*			MIN AMPACITY 208/230V*			BRANCH CIRCUIT								
												Min Wire Size (AWG) 208/230V†			Min Gnd Wire Size 208/230V†			Max Fuse/Ckt Bkr Amps 208/230V		
		240V	208V			Single Circuit	Dual Circuit		Single Circuit	Dual Circuit		Single Circuit	Dual Circuit		Single Circuit	Dual Circuit				
			L1,L2	L3,L4		L1,L2	L3,L4		L1,L2	L3,L4		L1,L2	L3,L4		L1,L2	L3,L4				
24	KFFEHE0401N03	3	2.3	1	None	10.7/11.9	—	—	17.0/18.5	—	—	12/12	—	—	12/12	—	—	20/20	—	—
18	KFFEHE8401N03	3	2.3	1	None	10.7/11.9	—	—	17.0/18.5	—	—	12/12	—	—	12/12	—	—	20/20	—	—
24-42	KFFEHE0501N05	5	3.8	1	None	17.8/19.7	—	—	27.5/29.9	—	—	10/10	—	—	10/10	—	—	30/30	—	—
24-42	KFFEHE2401C05	5	3.8	1	Ckt Bkr	17.8/19.7	—	—	27.5/29.9	—	—	10/10	—	—	10/10	—	—	30/30	—	—
48-60	KFFEHE0501N05	5	3.8	1	None	17.8/19.7	—	—	29.9/32.3	—	—	10/8	—	—	10/10	—	—	30/35	—	—
48-60	KFFEHE2401C05	5	3.8	1	Ckt Bkr	17.8/19.7	—	—	29.9/32.3	—	—	10/8	—	—	10/10	—	—	30/35	—	—
18	KFFEHE8501N05	5	3.8	1	None	17.8/19.7	—	—	25.9/28.3	—	—	10/10	—	—	10/10	—	—	30/30	—	—
18	KFFEHE8401C05	5	3.8	1	Ckt Bkr	17.8/19.7	—	—	25.9/28.3	—	—	10/10	—	—	10/10	—	—	30/30	—	—
24-60	KFFEHE0801N08	8	6.0	1	None	28.5/31.5	—	—	43.3/47.0	—	—	8/8	—	—	10/10	—	—	45/50	—	—
24-60	KFFEHE2501C08	8	6.0	1	Ckt Bkr	28.5/31.5	—	—	43.3/47.0	—	—	8/8	—	—	10/10	—	—	45/50	—	—
18	KFFEHE8801N08	8	6.0	1	None	28.5/31.5	—	—	39.3/43.0	—	—	8/8	—	—	10/10	—	—	40/45	—	—
18	KFFEHE8501C08	8	6.0	1	Ckt Bkr	28.5/31.5	—	—	39.3/43.0	—	—	8/8	—	—	10/10	—	—	40/45	—	—
24-60	KFFEHE0901N10	10	7.5	1	None	35.6/39.4	—	—	52.1/56.9	—	—	6/6	—	—	10/10	—	—	60/60	—	—
24-60	KFFEHE2601C10	10	7.5	1	Ckt Bkr	35.6/39.4	—	—	52.1/56.9	—	—	6/6	—	—	10/10	—	—	60/60	—	—
18	KFFEHE8901N10	10	7.5	1	None	35.6/39.4	—	—	48.1/52.9	—	—	8/6	—	—	10/10	—	—	50/60	—	—
18	KFFEHE8601C10	10	7.5	1	Ckt Bkr	35.6/39.4	—	—	48.1/52.9	—	—	8/6	—	—	10/10	—	—	50/60	—	—
30-60	KFFEHE2901N09‡	9	6.8	1	None	32.2/35.6	—	—	47.9/52.1	—	—	8/6	—	—	10/10	—	—	50/60	—	—
30-60	KFFEHE2901N09	9	6.8	3	None	18.6/20.6	—	—	30.9/33.4	—	—	8/8	—	—	10/10	—	—	40/40	—	—
24-60	KFFEHE3001F15**	15	11.3	1	Fuse	53.4/59.1	35.6/39.4	17.8/19.7	74.4/81.5	52.1/56.9	22.3/24.6	4/4	6/6	10/10	8/8	10/10	10/10	80/90	60/60	25/25
24-60	KFFEHE3101C15	15	11.3	1	Ckt Bkr	53.4/59.1	35.6/39.4	17.8/19.7	74.4/81.5	52.1/56.9	22.3/24.6	4/4	6/6	10/10	8/8	10/10	10/10	80/90	60/60	25/25
36-60	KFFEHE1601315	15	11.3	3	Fuse	30.8/34.1	—	—	46.1/50.3	—	—	8/6	—	—	10/10	—	—	50/60	—	—
42-60	KFFEHE2001318	18	13.5	3	None	37.2/41.2	—	—	54.1/59.1	—	—	6/6	—	—	10/10	—	—	60/70	—	—
30-60	KFFEHE3201F20**	20	15.0	1	Fuse	71.2/78.8	35.6/39.4	35.6/39.4	96.6/106.1	52.1/56.9	44.5/49.3	3/2	6/6	8/8	8/6	10/10	10/10	100/110	60/60	45/50
30-60	KFFEHE3301C20	20	15.0	1	Ckt Bkr	71.2/78.8	35.6/39.4	35.6/39.4	96.6/106.1	52.1/56.9	44.5/49.3	3/2	6/6	8/8	8/6	10/10	10/10	100/110	60/60	45/50
48-60	KFFEHE3401F24††	24	18.0	3	Fuse	49.3/54.6	—	—	69.3/75.9	—	—	4/4	—	—	8/8	—	—	80/80	—	—
48-60		24	18.0	1	Fuse	85.5/94.5	—	—	114.5/125.8	—	—	2/1	—	—	6/6	—	—	125/150	—	—
48-60	KFFEHE3501F30††	30	22.5	3	Fuse	61.7/68.2	—	—	84.8/92.9	—	—	4/3	—	—	8/8	—	—	90/100	—	—
48-60		30	22.5	1	Fuse	106.8/118.1	—	—	141.1/155.3	—	—	0/00	—	—	6/6	—	—	150/175	—	—

\*. For 240V, multiply 230V heater amps by 1.04. Wire sizing and over-current protection may need adjustment per local code requirements.

†. Copper wire must be used. If other than uncoated (non-plated), 75°C ambient, copper wire (solid wire for smaller, and stranded wire for larger than 10 AWG) is used, consult applicable tables of the National Electric Code (ANSI/NFPA 70).

‡. Field convertible to 3 phase.

\*\* Single circuit application of F15 and F20 heaters requires single-point wiring kit accessory.

†† Field convertible to 1 phase, single or multiple supply circuit.

Table 15 – Field Multipoint Wiring or 24- and 30-kW Single Phase

FC Size	HEATER PART NO.	kW		PHASE	HEATER AMPS 208/230V			MIN AMPACITY 208/230V*			MIN WIRE SIZE (AWG) 208/230V†			MIN GND WIRE SIZE 208/230V	MAX FUSE/CKT BKR AMPS 208/230V		
		240V	208V		L1,L2	L3,L4	L5,L6	L1,L2	L3,L4	L5,L6	L1,L2	L3,L4	L5,L6		L1,L2	L3,L4	L5,L6
48-60	KFFEHE3401F24‡	24	18.0	1	28.5/31.5	28.5/31.5	28.5/31.5	43.3/47.0	35.6/39.4	35.6/39.4	8/8	8/8	8/8	10/10	50/50	40/40	40/40
48-60	KFFEHE3501F30‡	30	22.5	1	35.6/39.4	35.6/39.4	35.6/39.4	52.1/56.9	44.5/49.3	44.5/49.3	6/6	8/8	8/8	10/10	60/60	45/50	45/50

\*. Includes blower motor amps of largest fan coil used with heater.

†. Copper wire must be used. If other than uncoated (non-plated), 75°C ambient, copper wire (solid wire for 10 AWG and smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (ANSI/NFPA 70).

‡. Field convertible to 1 phase, single or multiple supply circuit.

**Table 16 – Accessories**

	ITEM	ACCESSORY PART NO.*	FAN COIL SIZE USED WITH
1.	Disconnect Kit	KFADK0301DSC	All single phase 3kW - 10kW heaters
2.	Downflow Base Kit	KFACB0101CFB	18
		KFACB0201CFB	24, 30, 36
		KFACB0301CFB	42, 48
		KFACB0401CFB	60
3.	Downflow Conversion Kit †	KFADC0201SLP	Slope Coil Units—18, 24
		KFADC0401ACL	A-Coil Units—30, 36, 42, 48, 60
4.	Downflow/Horizontal Conversion Gasket Kit	KFAHD0101SLP	All
5.	Horizontal Water Management Kit (25 pack) ‡	KFAHC0125AAA	A-Coil Units—30, 36, 42, 48, 60
6.	Single-Point Wiring Kit	KFASP0101SPK	Only with 15- and 20-kW Fused Heaters
7.	Filter	Available at retail big-box hardware stores. See <a href="#">Table 3</a> for sizes.	
8.	Fan Coil Filter Cabinet (Fan Coil Filter Media)	FNCCABXX0014 (MERV 8—FILXXFNC0014) (MERV 11—FILXXFNC0114) (MERV 13—FILXXFNC0314)	18
		FNCCABXX0017 (MERV 8—FILXXFNC0017) (MERV 11—FILXXFNC0117) (MERV 13—FILXXFNC0317)	24, 30, 36
		FNCCABXX0021 (MERV 8—FILXXFNC0021) (MERV 11—FILXXFNC0121) (MERV 13—FILXXFNC0321)	42, 48
		FNCCABXX0024 (MERV 8—FILXXFNC0024) (MERV 11—FILXXFNC0124) (MERV 13—FILXXFNC0324)	60
9.	PVC Condensate Trap Kit (50 pack)	KFAET0150ETK	All
10.	TXV Kit, Puron (R-410A), Aluminum Coils Only	KSBTX0201PUR	18L, 24L, 30L, 36L, 42L
		KSBTX0301PUR	48L
		KSBTX0401PUR	60L
11.	Door Gasket Kit **	344994-751	All
12.	Accessory Quick Connect Kit	KFAPS0110KIT	All

\* Factory authorized and listed, field-installed.

\*\* This kit is for replacement of factory installed gaskets if they are damaged or removed from the fan coil.

† KFAHD0101SLP must also be purchased for down flow applications.

‡ KFAHD0101SLP must also be purchased for down flow or horizontal applications.

## Accessory Kits Description – Suggested and Required Use

### 1. Disconnect Kit

The kit is used to disconnect electrical power to the fan coil so service or maintenance may be performed safely.

SUGGESTED USE: Units for 3- through 10-kW electric resistance heaters and cooling controls.

### 2. Downflow Base Kit

This kit is designed to provide a 1-in. (25mm) minimum clearance between unit discharge plenum, ductwork, and combustible materials. It also provides a gap-free seal with the floor.

REQUIRED USE: This kit must be used whenever fan coils are used in downflow applications.

### 3. Downflow Conversion Kit

Fan coils are shipped from the factory for upflow or horizontal-left applications. Downflow conversion kits provide proper condensate water drainage and support for the coil when used in downflow applications. Separate kits are available for slope coils and A-coils.

REQUIRED USE: This kit must be used whenever fan coils are used in downflow applications.

### 4. Downflow/Horizontal Conversion Gasket Kit

This kit provides the proper gasketing of units when applied in either a downflow or horizontal application.

REQUIRED USE: Fan coils in either downflow or horizontal applications.

### 5. Horizontal Applications - Water Management Kit

This kit provides proper installation of fan coils under conditions of high static pressure and high relative humidity.

SUGGESTED USE: All fan coils.

### 6. Single Point Wiring Kit

The single point wiring kit acts as a jumper between L1 and L3 lugs, and between the L2 and L4 lugs. This allows the installer to run two heavy-gauge, high-voltage wires into the fan coil rather than 4 light-gauge, high-voltage wires.

SUGGESTED USE: Fan coils with 15- and 20-kW fused heaters only.

### 7. Filter Kit (12 pack)

The kit consists of 12 fan coil framed filters. These filters collect large dust particles from the return air entering the fan coil and prevents them from collecting on the coil. This process helps to keep the coil clean, which increases heat transfer and, in turn, the efficiency of the system.

SUGGESTED USE: To replace filters in fan coils.

REQUIRED USE: All units unless a filter grille is used.

### 8. Fan Coil Filter Cabinet

This cabinet is mounted to the fan coil on the return air end and designed to slip over the outer fan coil casing. The cabinets are insulated using the same insulation as production fan coils. They are designed for the removal of particulates from indoor air using FILXXFNC00(14, 17, 21, 24) media filter cartridges. These fan coil media filter cartridge kits are designed for the removal of particles from indoor air. The cartridge is installed in the return air duct next to the air handler or further upstream.

SUGGESTED USE: All fan coils.

### 9. PVC Condensate Drain Trap Kit

This kit consists of 50 PVC condensate traps. Each trap is pre-formed and ready for field installation. This deep trap helps the system make and hold proper condensate flow even during blower initiation.

SUGGESTED USE: All fan coils.

### 10. TXV Kit

These kits are designed to add TXVs to piston fan coils or convert Puron (R-410A) fan coils to R-22 TXVs.

### 11. Door Gasket Kit

This kit consists of specific adhesive-backed foam strips which are applied to the unit door and frame, limiting air leakage.

### 12. Accessory Quick Connect Kit

This kit enables the installer to easily connect a 230V IAQ accessory (air purifier, electronic air cleaner, UV light, etc.) kit to a fan coil unit, eliminating the need to run a separate power supply to the accessory. Use of this kit may eliminate the requirement for a licensed electrician to complete the job (check local codes).



# MINI-SPLITS



OUTDOOR UNITS, FLOOR-MOUNTED, WALL-MOUNTED, FLOOR-CEILING FLEX, CEILING CASSETTE, SLIM DUCTED

**ENGINEERED FOR COMFORT™**

**DURASTAR FOR DEALERS**

High-quality HVAC systems that your customers can rely on.

Durastar is a brand engineered for comfort, backed by resilient technology and tested to withstand the rigors of time and the natural elements.

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**WHAT MAKES DURASTAR DIFFERENT?**

**QUALITY**

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We're proud to offer affordable, efficient and reliable HVAC equipment for homes everywhere.

**RELIABILITY**

Durastar products undergo strict testing to ensure reliability and consistent performance in even the toughest conditions.



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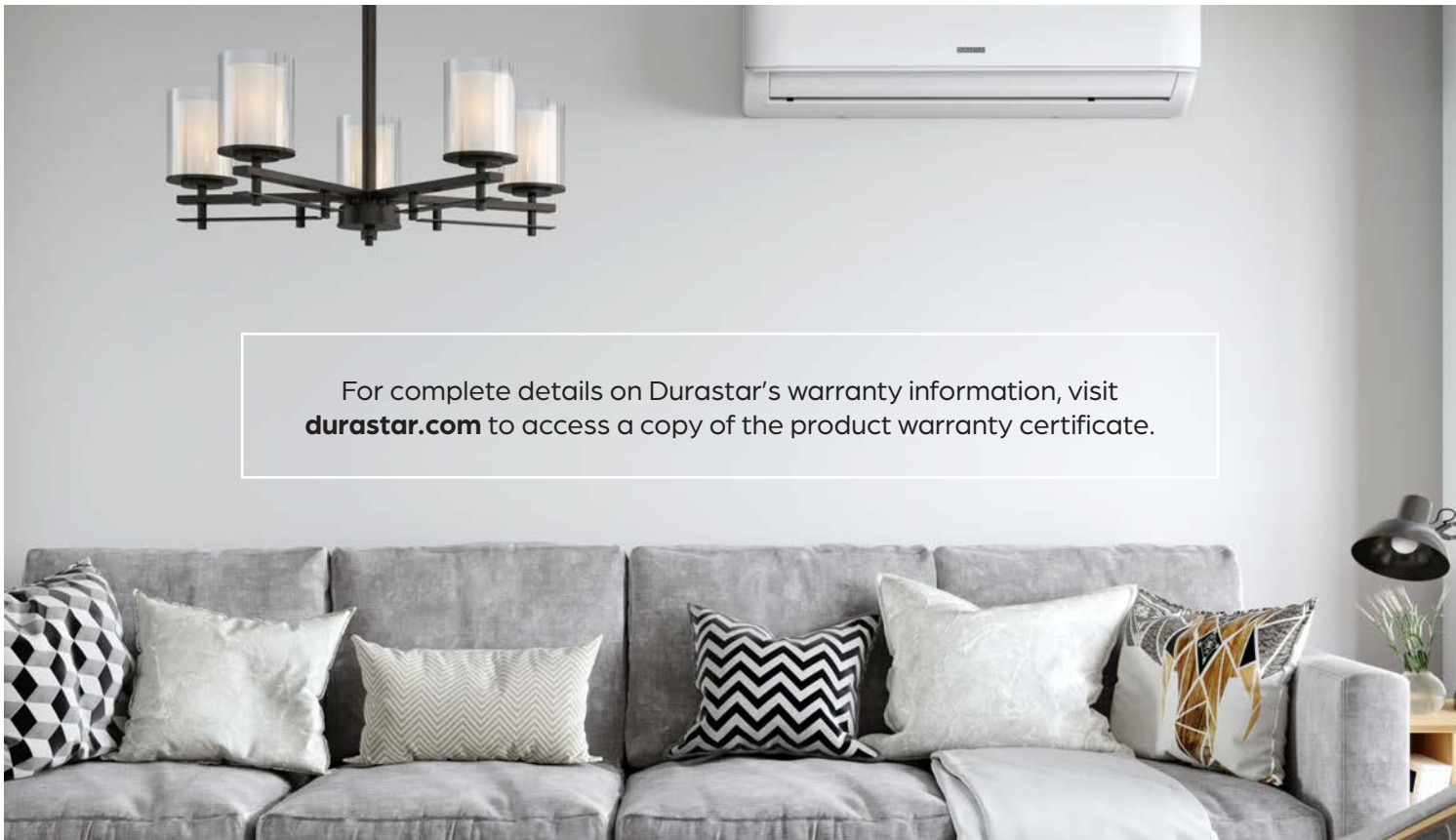
## WARRANTY

No one stands behind their brand like we do.

Durastar offers durable airflow through even the harshest heating and cooling conditions, and our warranty provides maximum coverage for total peace of mind.

Extended warranty options are available for both parts and labor. Ask your sales associate for more information.

**DURASTAR MINI-SPLITS**  
PARTS 10 YEARS



## MINI-SPLITS

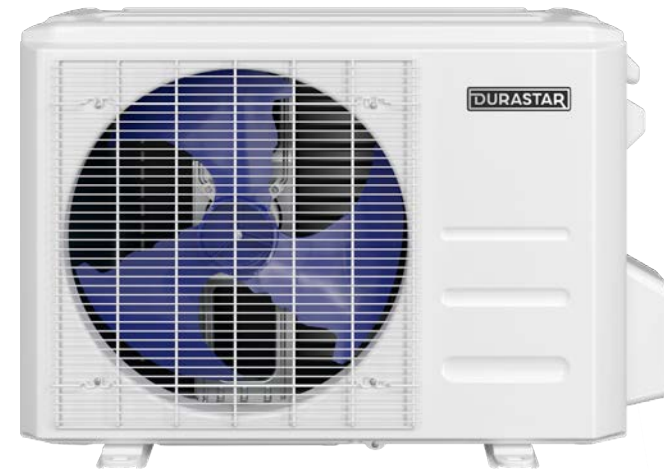
Durastar mini-split products are the ideal solution for renovations, remodels, new additions and zone-specific heating and cooling. Our products are efficient, affordable and perfect for high-quality individual comfort.



**OUTDOOR UNITS**



- Single or multi-zone compatible
- High efficiency up to 20.5 SEER
- Heat pump with an inverter compressor
- Included base pan heater allows heating capabilities as low as -13°F



**OUTDOOR UNITS - SINGLE ZONE**

Model #	Cooling Capacity (BTU)	Heating Capacity (BTU)	SEER	EER	HSPF	Voltage	Rec. Breaker	Dimensions (in.) (H x W x D)
DRA1U09S1A	9000	9800	Up to 22.8	Up to 14.0	Up to 11.5	208-230V	15	21.88 x 30.31 x 11.81
DRA1U12S1A	12000	12000	Up to 21.5	Up to 13.0	Up to 11.5	208-230V	15	21.81 x 31.50 x 13.13
DRA1U18S1A	18000	18000	Up to 20.8	Up to 13.0	Up to 10.5	208-230V	20	27.63 x 33.25 x 14.31
DRA1U24S1A	24000	25000	Up to 21.5	Up to 12.5	Up to 11.0	208-230V	25	31.88 x 37.25 x 16.13

**OUTDOOR UNITS - MULTI-ZONE**

Model #	Cooling Capacity (BTU)	Heating Capacity (BTU)	# of Zones	SEER	EER	HSPF	Voltage	Rec. Breaker	Dimensions (in.) (H x W x D)
DRA2U18M1A	18000	18000	2	Up to 21.3	Up to 12.5	Up to 10.0	208-230V	25	27.63 x 33.25 x 14.31
DRA3U28M1A	27000	28000	3	Up to 22.0	Up to 12.0	Up to 10.15	208-230V	35	31.88 x 37.25 x 16.13
DRA4U36M1A	36000	36000	4	Up to 22.5	Up to 11.25	Up to 10.3	208-230V	45	31.88 x 37.25 x 16.13
DRA5U48M1A	48000	48000	5	Up to 21.5	Up to 11.6	Up to 11.5	208-230V	50	52.50 x 37.50 x 16.31

**WALL MOUNTED**



- Single or multi-zone compatible
- Wireless remote control with "Follow-Me" technology
- Matched Durastar systems have heating capabilities as low as -13°F
- High efficiency up to 22.8 SEER
- Quiet operation as low as 25 dB

Model #	Cooling Capacity (BTU)	Heating Capacity (BTU)	Voltage	Min. Sound Lvl.	Liquid Conn. Sz.	Gas Conn. Sz.	Weight	Height	Width	Depth
DRAW09F1A	9000	9800	208-230V	25	1/4"	3/8"	19	11.69	31.56	7.44
DRAW12F1A	12000	12000	208-230V	25	1/4"	1/2"	19	11.69	31.56	7.44
DRAW18F1A	18000	18000	208-230V	32	1/4"	1/2"	30	13.19	42.50	8.88
DRA1U24F1A	24000	25000	208-230V	33	3/8"	5/8"	31	13.19	42.50	8.88

**CEILING CASSETTES**



- Single or multi-zone compatible
- Wireless remote control with "Follow-Me" technology
- Matched Durastar systems have heating capabilities as low as -13°F
- High efficiency up to 21.5 SEER

Model #	Cooling Capacity (BTU)	Heating Capacity (BTU)	Voltage	Minimum Sound Level	Liquid Conn. Sz.	Gas Conn. Sz.	Weight	Height	Width	Depth
DRAC09F1A	9000	10000	208-230V	33	1/4"	3/8"	32	10.25	22.44	22.44
DRAC12F1A	12000	12000	208-230V	36	1/4"	1/2"	35	10.25	22.44	22.44
DRAC18F1A	18000	18000	208-230V	36	1/4"	1/2"	36	10.25	22.44	22.44
DRAC24F1A	24000	24400	208-230V	43	3/8"	5/8"	46	8.06	33.06	33.06

**FLOOR MOUNTED**



- Single or multi-zone compatible
- Quiet operation as low as 37 dB
- Wireless remote control with "Follow-Me" technology
- Matched Durastar systems have heating capabilities as low as -13°F
- High efficiency up to 20.5 SEER
- Compact footprint

Model #	Cooling Capacity (BTU)	Heating Capacity (BTU)	Voltage	Minimum Sound Level	Liquid Conn. Sz.	Gas Conn. Sz.	Weight	Height	Width	Depth
DRAS12F1A	12000	12000	208-230V	37	1/4"	1/2"	33	23.63	27.56	8.25

**FLOOR/CEILING MOUNTED**



- Single or multi-zone compatible
- Wireless remote control with "Follow-Me" technology
- Matched Durastar systems have heating capabilities as low as -13°F
- High efficiency up to 20 SEER
- Flexible installation with options for floor or ceiling install

Model #	Cooling Capacity (BTU)	Heating Capacity (BTU)	Voltage	Minimum Sound Level	Liquid Conn. Sz.	Gas Conn. Sz.	Weight	Height	Width	Depth
DRAF18F1A	18000	18000	208-230V	39	1/4"	1/2"	57	26.56	42.06	9.25
DRAF24F1A	24000	24000	208-230V	42	3/8"	5/8"	61	26.56	42.06	9.25

**SLIM DUCTED**

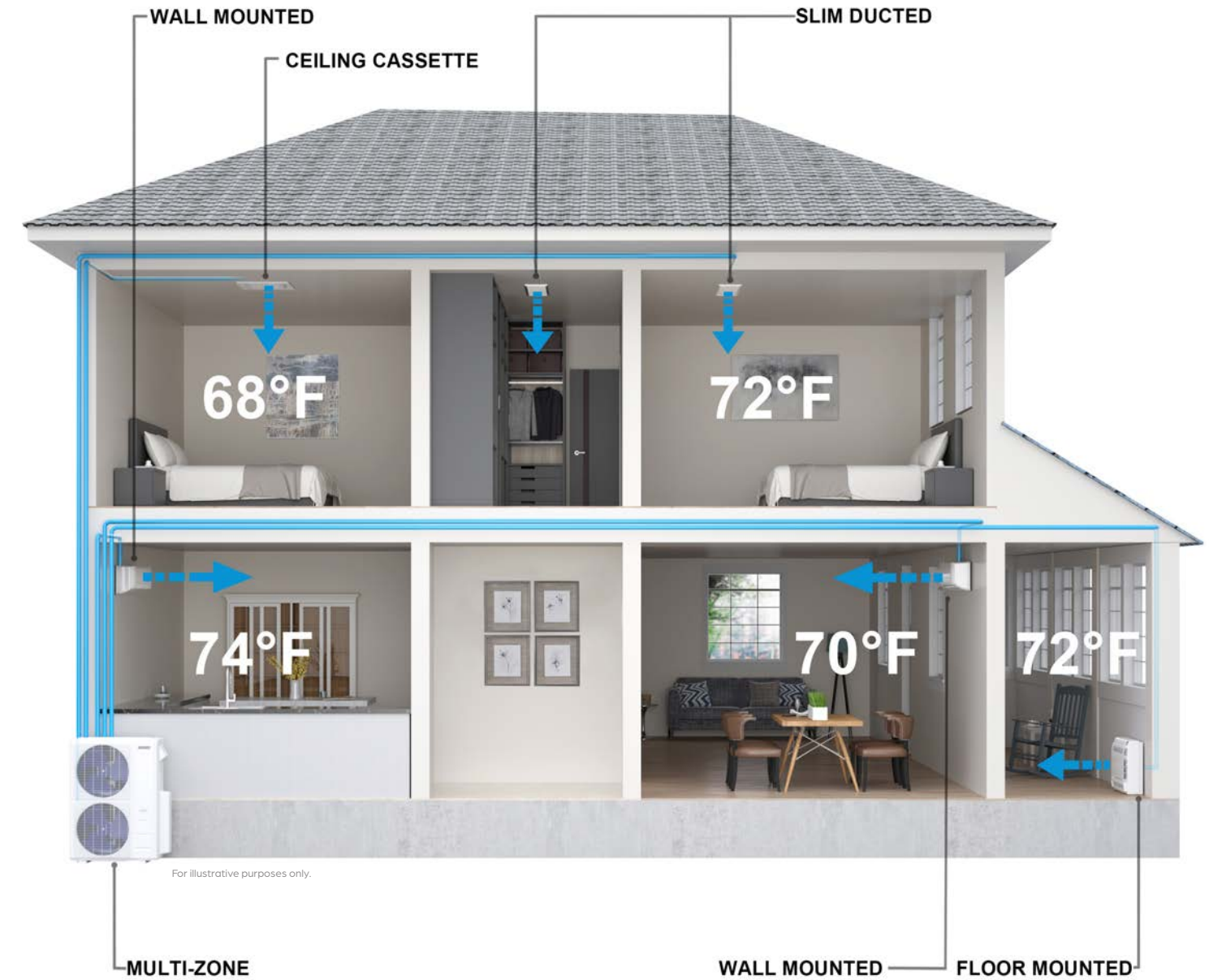


- Single or multi-zone compatible
- Wired thermostat included
- Matched Durastar systems have heating capabilities as low as -13°F
- High efficiency up to 21.5 SEER

Model #	Cooling Capacity (BTU)	Heating Capacity (BTU)	Voltage	Minimum Sound Level	Liquid Conn. Sz.	Gas Conn. Sz.	Weight	Height	Width	Depth
DRAD09F1A	9000	10000	208-230V	32	1/4"	3/8"	39	7.88	27.56	19.94
DRAD12F1A	12000	12000	208-230V	33.5	1/4"	1/2"	39	7.88	27.56	19.94
DRAD18F1A	18000	18000	208-230V	35	1/4"	1/2"	55	8.25	34.63	26.56
DRAD249F1A	24000	24400	208-230V	38	3/8"	5/8"	90	9.81	43.31	30.50



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