

SCOPE OF WORK

Contractor to replace two existing Carrier units at Lexington County School District 2 Congaree/Wood Elementary School with new Carrier Units. The Carrier units will be owner furnished along with any curb adapters required.

RTU 1: 25 ton

RTU 2: 20 ton

Contractor will coordinate delivery of units to jobsite with Carrier.

Installing contractor will verify fitment. Final electrical/control connections will be the responsibility of the installing contractor as well as any field wiring extensions that could vary between newer units to building terminations. New conduit and wire (if wire is damaged) are to be installed from the junction box located on the roof for both units. New Square D fusible disconnect is to be installed on each unit. Any electrical deviations must be presented prior to start of work and approved by the district. Owner furnished hail guards are to be installed as well.

Contractor will assure units are sealed correctly to existing curbs.



SUBMITTAL

Project

Congaree Wood RTU

Date

Thursday, June 20, 2019

Luke Stafford

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Prepared By: Luke Stafford

07/18/2019
02:22PM

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Unit Report For RTU 1

Project: Congaree Wood RTU
Prepared By: Luke Stafford

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Unit Parameters

Unit Size: 025 (25 Tons)
Volts-Phase-Hertz: 460-3-60
Supply / Return: Vertical/Vertical
Configuration: VAV
Evaporator Coil Type: Standard
Heating Capacity: No Electric Heat
Stainless Steel Drain Pan: Selected

Shipping Dimensions

Unit Length: 13' 9"
Unit Width: 7' 10"
Unit Height: 6' 1"
Unit Shipping Weight: 4564 lb

***Weights and Dimensions are approximate. Weight does not include curbs and accessories. Approximate dimensions are provided primarily for shipping purposes. For exact dimensions refer to certified drawings.

** Shipping Weight does not include extended leadtime options' weight.

Controls

Application Type: VAV

Exhaust/Economizer

Exhaust/Economizer: Modulating Power Exhaust

Supply Fan

Supply Fan Type: Forward Curve
Supply Fan Motor HP: 10 HP

Condenser Coil

Cond. Coil Fin Coating: MCHX Cond, Al/Cu Evap

Mixed-Air and Outdoor Filters

Mixed-Air Filter: Standard Efficiency Throwaway
(10) 20 x 24 x 2
Outdoor Filter: Economizer Filter: (8) 16 x 25 x 2, (4) 20 x 25 x 2

Warranty Information

First Year - Parts Only (Standard)
Start-up, First Unit
Compressor Years 2-5 Parts Only

An uncoated Novation condenser coil was selected for this product. This is based on an installed location with postal code: 29169 and a non-corrosive localized environment.

NOTE: Please see Warranty Catalog 808-218 for explanation of policies and ordering methods.

Ordering Information

Part Number	Description	Quantity
50A3-025-NG62AHJ	Rooftop Unit	1
	Base Unit	
	Differential Enthalpy Ultra Low Leak Economizer	
	Modulating Power Exhaust	
	Stainless Steel Drain Pan	
	Premium Efficiency 10 HP	
	Domestic w/BACnet Communication	

Accessories

Accessory Part #	Description	Quantity
CRHUMDSN001B00	Outdoor or Return Air RH Sensor	2

Certified Drawing for RTU 1

Project: Congaree Wood RTU
Prepared By: Luke Stafford

07/18/2019
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Carrier

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UNIT SIZE	OPERATING WEIGHT		CENTER OF GRAVITY		CORNER WEIGHT (LBS)	
	W	H	W	H	1	2
3042/31020	2584	30-7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31025	2732	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31030	2880	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31035	3028	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31040	3176	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31045	3324	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31050	3472	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31055	3620	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31060	3768	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31065	3916	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31070	4064	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31075	4212	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31080	4360	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31085	4508	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31090	4656	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31095	4804	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31100	4952	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31105	5100	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31110	5248	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31115	5396	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31120	5544	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31125	5692	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31130	5840	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31135	5988	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31140	6136	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31145	6284	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31150	6432	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31155	6580	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31160	6728	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31165	6876	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31170	7024	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31175	7172	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31180	7320	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31185	7468	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31190	7616	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31195	7764	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31200	7912	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31205	8060	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31210	8208	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31215	8356	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31220	8504	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31225	8652	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31230	8800	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31235	8948	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31240	9096	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31245	9244	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31250	9392	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31255	9540	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31260	9688	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31265	9836	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31270	9984	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31275	10132	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31280	10280	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31285	10428	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31290	10576	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31295	10724	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31300	10872	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31305	11020	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31310	11168	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31315	11316	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31320	11464	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31325	11612	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31330	11760	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31335	11908	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
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3042/31370	12944	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31375	13092	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31380	13240	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31385	13388	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31390	13536	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31395	13684	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31400	13832	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
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3042/31450	15312	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31455	15460	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31460	15608	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31465	15756	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31470	15904	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31475	16052	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31480	16200	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31485	16348	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
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3042/31505	16940	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
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3042/31530	17680	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31535	17828	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
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3042/31560	18568	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31565	18716	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
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3042/31605	19900	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31610	20048	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31615	20196	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31620	20344	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
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3042/31630	20640	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31635	20788	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31640	20936	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31645	21084	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31650	21232	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31655	21380	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31660	21528	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31665	21676	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31670	21824	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31675	21972	3-0 7/8"	3-0 7/8"	3-0 7/8"	805	563
3042/31680						

Performance Summary For RTU 1

Project: Congaree Wood RTU
 Prepared By: Luke Stafford

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Part Number: 50A3-025-NG62AHJ

Unit Refrigerant: R410A
 EER (ARI 360): 10.1
 IEER: 12.7

Total Operating Weight: 3855 lb

Unit Dimensions

Unit Length: 13' 9"
 Unit Width: 7' 10"
 Unit Height: 6' 1"
 Unit Shipping Weight: 4564 lb

Unit

Heating Type: N
 Supply/Return: Vertical/Vertical
 Application Type: VAV
 Voltage: 460-3-60
 Cooling Airflow: 10000 CFM
 Altitude: 0 ft
 Cond. Ent. Air Temp: 95.0 F
 Ent. Air Dry Bulb: 80.0 F
 Ent. Air Wet Bulb: 67.0 F
 Ent. Air Enthalpy: 31.44 BTU/lb
 Lvg. Air Dry Bulb: 59.0 F
 Lvg. Air Wet Bulb: 57.6 F
 Lvg. Air Enthalpy: 24.77 BTU/lb
 Gross Cooling Capacity: 300.00 MBH
 Gross Sensible Clg. Cap: 226.50 MBH
 Compressor Power: 23.2 kW
 Coil Bypass Factor: 0.18
 Refrigerant Charge, Circuit A: 16.5 lb
 Refrigerant Charge, Circuit B: 11.0 lb

Part Load(%) Operation

Standard Capacity Steps: 33,67,100

Supply Fan Information:

Ext. Static Pressure: 2.00 in wg
 Selection Static Pressure: 2.00 in wg
 Supply Fan RPM: 907 *
 Supply Fan BHP: 6.38 BHP
 Supply Fan Motor HP: 10 HP

Field supplied and installed sheave package may be required

Power Exhaust Information:

Airflow: 8000 CFM
 Tot. Static: 0.67 in wg

Electrical Data

Minimum Voltage: 414
 Maximum Voltage: 508
 Compressor #A1 RLA: 12.8
 Compressor #A1 LRA: 100
 Compressor #A2 RLA: 12.8
 Compressor #A2 LRA: 100
 Compressor #B1 RLA: 12.8
 Compressor #B1 LRA: 100
 Indoor Fan Motor HP: 10

Performance Summary For RTU 1

Project: Congaree Wood RTU
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Indoor Fan Motor FLA:.....	14
Condenser Fan Motor Qty:.....	2
Condenser Fan Motor FLA (ea):.....	3.3
Power Supply MCA:.....	75
Power Supply MOCP (Fuse or HACR):.....	80
Electrical Convenience Outlet:.....	None
Pwr. Exhaust Fan Motor FLA (Total):.....	12.6

An uncoated Novation condenser coil was selected for this product. This is based on an installed location with postal code: 29169 and a non-corrosive localized environment.

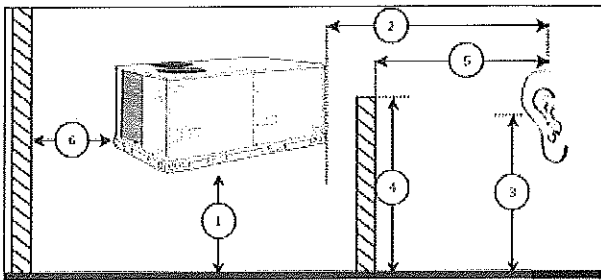
Acoustic Information

	Discharge, Lw	Inlet, Lw	Outdoor, Lw
63 Hz	93.0	89.6	65.8
125 Hz	81.5	79.8	79.6
250 Hz	78.4	79.7	86.5
500 Hz	83.7	75.8	89.7
1000 Hz	85.4	79.3	90.5
2000 Hz	82.1	73.8	86.0
4000 Hz	77.9	72.3	82.9
8000 Hz	70.7	67.5	77.7

Discharge / Inlet Duct Sound Power test data rated in accordance with the AHRI 260 Standard.

Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the AHRI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Advanced Acoustics



Advanced Acoustics Parameters

- 1. Unit height above ground:..... 30.0 ft
- 2. Horizontal distance from unit to receiver:..... 50.0 ft
- 3. Receiver height above ground:..... 5.7 ft

Detailed Acoustics Information

Octave Band Center Freq. Hz	63	125	250	500	1k	2k	4k	8k	Overall
A	65.8	79.6	86.5	89.7	90.5	86.0	82.9	77.7	95.1 Lw

Performance Summary For RTU 1

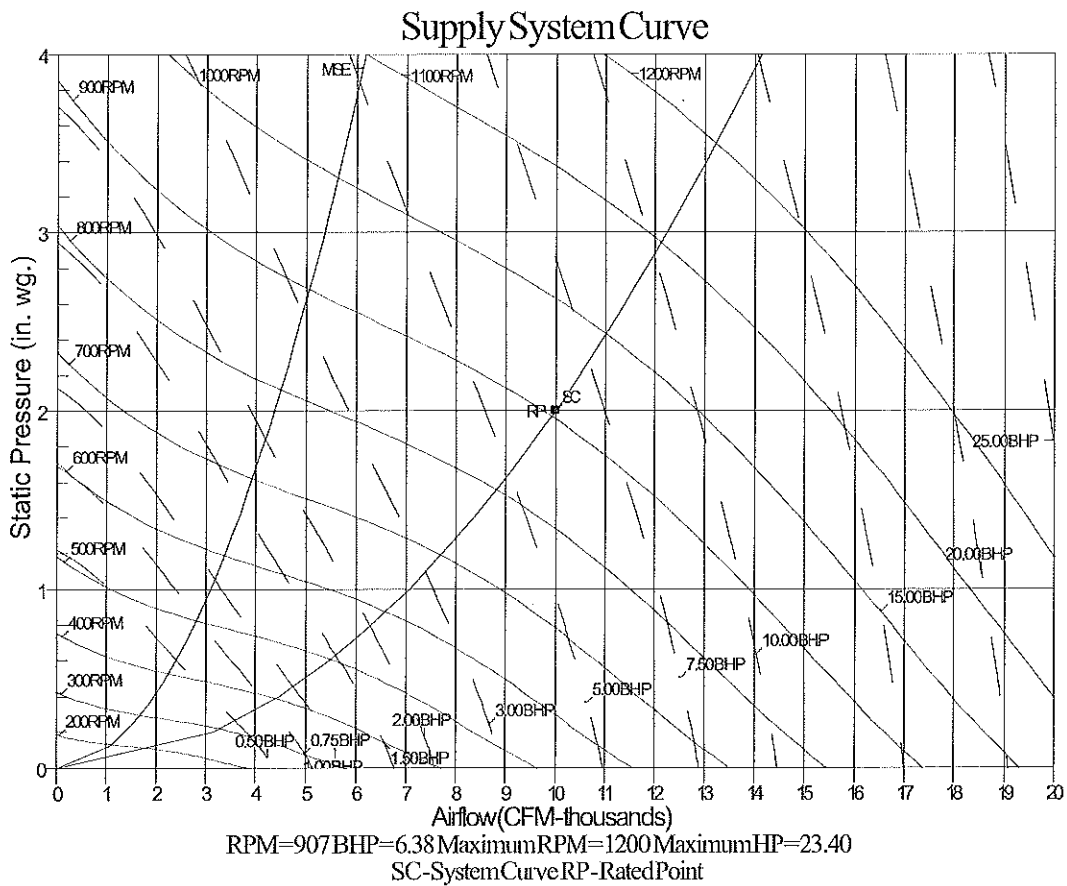
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B	39.6	63.5	77.9	86.5	90.5	87.2	83.9	76.6	93.9	LwA
C	32.5	46.3	53.2	56.4	57.2	52.7	49.6	44.4	61.8	Lp
D	6.3	30.2	44.6	53.2	57.2	53.9	50.6	43.3	60.6	LpA

Legend

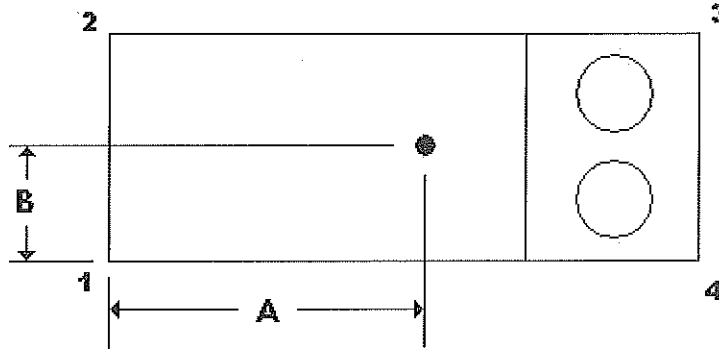
- A Sound Power Levels at Unit's Acoustic Center, Lw
- B A-Weighted Sound Power Levels at Unit's Acoustic Center, LwA
- C Sound Pressure Levels at Specific Distance from Unit, Lp
- D A-Weighted Sound Pressure Levels at Specific Distance from Unit, LpA



Corner Weight / Center of Gravity Report For RTU 1

Project: Congaree Wood RTU
Prepared By: Luke Stafford

07/18/2019
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Rooftop Unit Part Number: 50A3-025-NG62AHJ

CG Dimension (A): 8' 0"

CG Dimension (B): 3' 9"

Unit Length: 13' 9"

Unit Width: 7' 10"

Unit Height: 6' 1"

Unit Weight: 4519.0 lb

Unit Shipping Weight: 4564.0 lb

Corner Weight (1): 921.4 lb

Corner Weight (2): 1141.2 lb

Corner Weight (3): 1334.0 lb

Corner Weight (4): 1122.4 lb

Total Corner Weight: 4519.0 lb

** This is not the same as the shipping weight.



SUBMITTAL

Project

Congaree Wood RTU

Date

Thursday, June 20, 2019

Luke Stafford

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Unit Report For RTU 2

Project: Congaree Wood RTU
Prepared By: Luke Stafford

07/18/2019
02:22PM

Unit Parameters

Unit Size:..... 020 (20 Tons)
Volts-Phase-Hertz:..... 460-3-60
Supply / Return:..... Vertical/Vertical
Configuration:..... VAV
Evaporator Coil Type:..... Standard
Heating Capacity:..... No Electric Heat
Stainless Steel Drain Pan:..... Selected

Shipping Dimensions

Unit Length:..... 13' 9"
Unit Width:..... 7' 10"
Unit Height:..... 6' 1"

Unit Shipping Weight:..... 4428 lb

***Weights and Dimensions are approximate. Weight does not include curbs and accessories. Approximate dimensions are provided primarily for shipping purposes. For exact dimensions refer to certified drawings.

** Shipping Weight does not include extended leadtime options' weight.

Controls

Application Type:..... VAV

Exhaust/Economizer

Exhaust/Economizer:..... Modulating Power Exhaust

Supply Fan

Supply Fan Type:..... Forward Curve
Supply Fan Motor HP:..... 10 HP

Condenser Coil

Cond. Coil Fin Coating:..... MCHX Cond, Al/Cu Evap

Mixed-Air and Outdoor Filters

Mixed-Air Filter:..... Standard Efficiency Throwaway
:..... (10) 20 x 24 x 2
Outdoor Filter:..... Economizer Filter: (8) 16 x 25 x 2, (4) 20 x 25 x 2

Warranty Information

First Year - Parts Only (Standard)
Start-up, First Unit
Compressor Years 2-5 Parts Only

An uncoated Novation condenser coil was selected for this product. This is based on an installed location with postal code: 29169 and a non-corrosive localized environment.

NOTE: Please see Warranty Catalog 808-218 for explanation of policies and ordering methods.

Ordering Information

Part Number	Description	Quantity
50A3-020-NG62AHJ	Rooftop Unit	1
	Base Unit	
	Differential Enthalpy Ultra Low Leak Economizer	
	Modulating Power Exhaust	
	Stainless Steel Drain Pan	
	Premium Efficiency 10 HP	
	Domestic w/BACnet Communication	

Accessories

Accessory Part #	Description	Quantity
CRHUMDSN001B00	Outdoor or Return Air RH Sensor	2

Performance Summary For RTU 2

Project: Congaree Wood RTU
 Prepared By: Luke Stafford

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Part Number: 50A3-020-NG62AHJ

Unit Refrigerant: R410A
 EER (ARI 360): 10.3
 IEER: 12.4

Total Operating Weight: 3719 lb

Unit Dimensions

Unit Length: 13' 9"
 Unit Width: 7' 10"
 Unit Height: 6' 1"
 Unit Shipping Weight: 4428 lb

Unit

Heating Type: N
 Supply/Return: Vertical/Vertical
 Application Type: VAV
 Voltage: 460-3-60
 Cooling Airflow: 8000 CFM
 Altitude: 0 ft
 Cond. Ent. Air Temp: 95.0 F
 Ent. Air Dry Bulb: 80.0 F
 Ent. Air Wet Bulb: 67.0 F
 Ent. Air Enthalpy: 31.44 BTU/lb
 Lvg. Air Dry Bulb: 58.7 F
 Lvg. Air Wet Bulb: 56.9 F
 Lvg. Air Enthalpy: 24.35 BTU/lb
 Gross Cooling Capacity: 255.00 MBH
 Gross Sensible Clg. Cap: 184.00 MBH
 Compressor Power: 18.3 kW
 Coil Bypass Factor: 0.18
 Refrigerant Charge, Circuit A: 14.9 lb
 Refrigerant Charge, Circuit B: 11.8 lb

Part Load(%) Operation

Standard Capacity Steps: 30,70,100

Supply Fan Information:

Ext. Static Pressure: 2.00 in wg
 Selection Static Pressure: 2.00 in wg
 Supply Fan RPM: 855 *
 Supply Fan BHP: 4.52 BHP
 Supply Fan Motor HP: 10 HP

Field supplied and installed sheave package may be required

Power Exhaust Information:

Airflow: 7000 CFM
 Tot. Static: 0.81 in wg

Electrical Data

Minimum Voltage: 414
 Maximum Voltage: 508
 Compressor #A1 RLA: 10.6
 Compressor #A1 LRA: 75
 Compressor #A2 RLA: 10.6
 Compressor #A2 LRA: 75
 Compressor #B1 RLA: 12.8
 Compressor #B1 LRA: 100
 Indoor Fan Motor HP: 10

Performance Summary For RTU 2

Project: Congaree Wood RTU
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Indoor Fan Motor FLA:.....	14
Condenser Fan Motor Qty:.....	2
Condenser Fan Motor FLA (ea):.....	3.3
Power Supply MCA:.....	71
Power Supply MOCP (Fuse or HACR):.....	80
Electrical Convenience Outlet:.....	None
Pwr. Exhaust Fan Motor FLA (Total):.....	12.6

An uncoated Novation condenser coil was selected for this product. This is based on an installed location with postal code: 29169 and a non-corrosive localized environment.

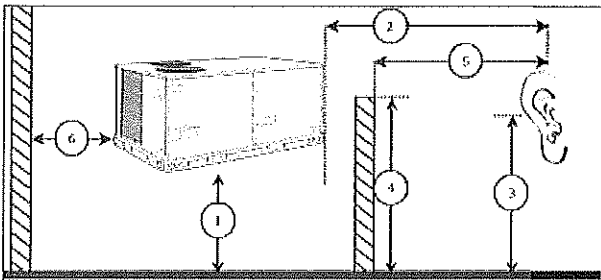
Acoustic Information

	Discharge, Lw	Inlet, Lw	Outdoor, Lw
63 Hz	92.2	89.4	65.8
125 Hz	79.0	79.6	79.6
250 Hz	77.4	79.7	86.5
500 Hz	80.2	75.8	89.7
1000 Hz	80.8	79.3	90.5
2000 Hz	76.8	73.7	86.0
4000 Hz	73.0	72.3	82.9
8000 Hz	66.2	67.5	77.7

Discharge / Inlet Duct Sound Power test data rated in accordance with the AHRI 260 Standard.

Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the AHRI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Advanced Acoustics



Advanced Acoustics Parameters

- 1. Unit height above ground:..... 30.0 ft
- 2. Horizontal distance from unit to receiver:..... 50.0 ft
- 3. Receiver height above ground:..... 5.7 ft

Detailed Acoustics Information

Octave Band Center Freq. Hz	63	125	250	500	1k	2k	4k	8k	Overall
A	65.8	79.6	86.5	89.7	90.5	86.0	82.9	77.7	95.1 Lw

Performance Summary For RTU 2

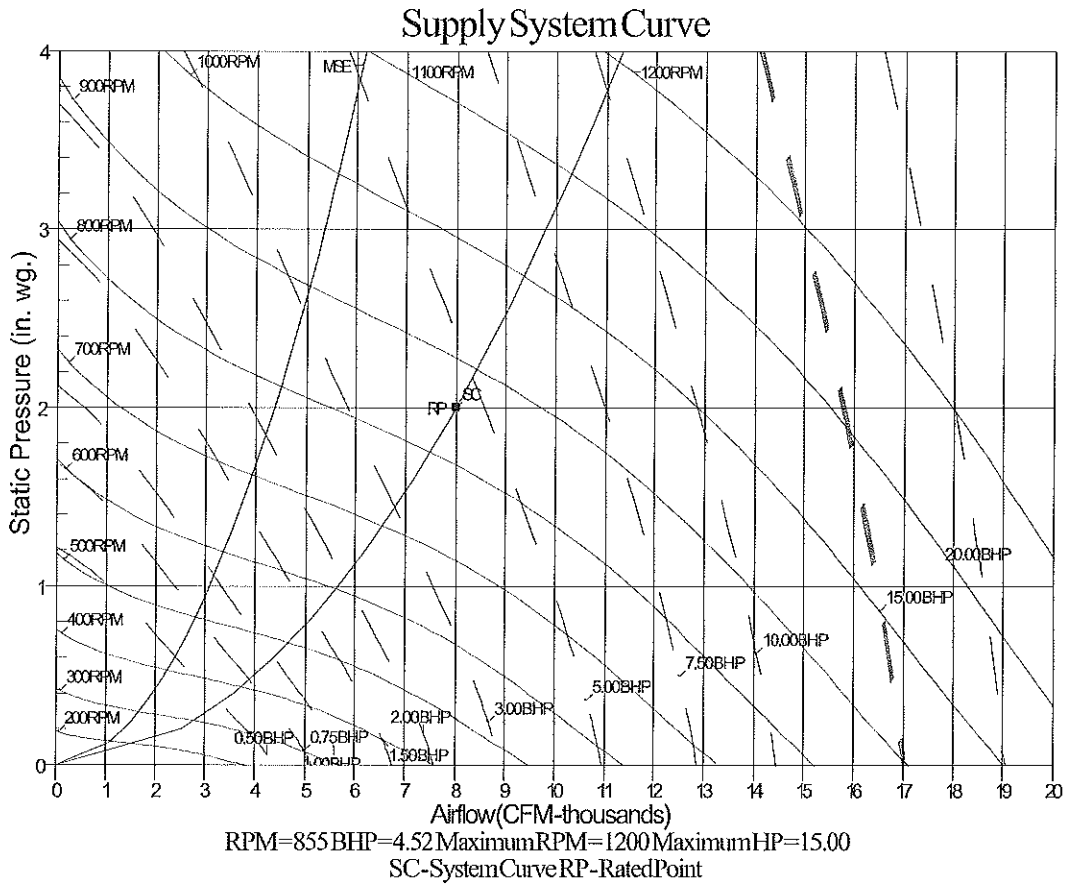
Project: Congaree Wood RTU
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B	39.6	63.5	77.9	86.5	90.5	87.2	83.9	76.6	93.9 LwA
C	32.5	46.3	53.2	56.4	57.2	52.7	49.6	44.4	61.8 Lp
D	6.3	30.2	44.6	53.2	57.2	53.9	50.6	43.3	60.6 LpA

Legend

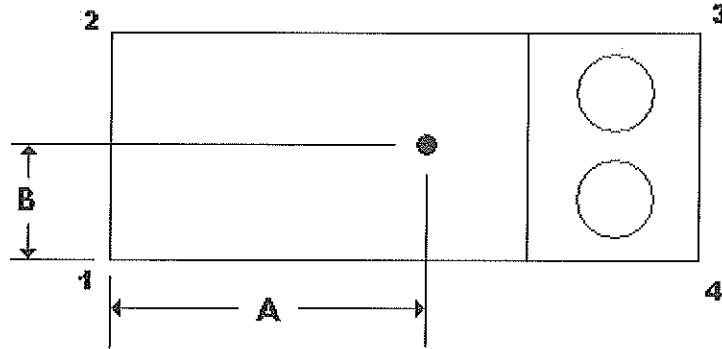
- A Sound Power Levels at Unit's Acoustic Center, Lw
- B A-Weighted Sound Power Levels at Unit's Acoustic Center, LwA
- C Sound Pressure Levels at Specific Distance from Unit, Lp
- D A-Weighted Sound Pressure Levels at Specific Distance from Unit, LpA



Corner Weight / Center of Gravity Report For RTU 2

Project: Congaree Wood RTU
Prepared By: Luke Stafford

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Rooftop Unit Part Number:.....50A3-020-NG62AHJ

CG Dimension (A):.....8' 0"
CG Dimension (B):.....3' 9"

Unit Length:.....13' 9"
Unit Width:.....7' 10"
Unit Height:.....6' 1"
Unit Weight:.....4383.0 lb
Unit Shipping Weight:.....4428.0 lb

Corner Weight (1):.....897.0 lb
Corner Weight (2):.....1120.4 lb
Corner Weight (3):.....1290.9 lb
Corner Weight (4):.....1074.7 lb
Total Corner Weight:.....4383.0 lb

** This is not the same as the shipping weight.