AA · ADVANCE AIR, INC.

Date July 2, 2014

To: Cutler Bay Town Center

Re: Cutler Bay Town Center
80 Ton Condensing Unit #2
10720 Caribbean Boulevard
Cutler Bay Fl. 33189

To Yani Ramos

Thanks for allowing AA Advance Air the opportunity to inspect this AC equipment. We appreciate your confidence in our company and we will work tirelessly in your best interests.

I will enclose the number and type of equipment I observed; this observation is based on my experience and may differ from others.

80 Ton Condensing Unit #2
Make – Carrier
Model – 38AH-084-K6
80 tons at 460 Volt Three Phase
Age of equipment is 13 years old
Life expectancy none

General Comments – The unit is in poor condition. The condenser coil are flaking and have poor heat transfer. The compressors are leaking oil and beginning to rust. The entire condensing unit frame is rusted. In my professional opinion the unit needs to be replaced.

Once again thanks for allowing AA Advance Air, Inc. the opportunity to inspect this equipment. Please feel free to call on us whenever you require HVAC professionals.

Sincerely,
Michael W. McHale
Account Manager
Ph# 954-935-5582

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Performance Summary For CU-1

Project: ~Untitled2 06/26/2014
Prepared By: 08:13AM

System:	**38AH084**	
Circuit:	**Dual Circuit**	
System Quantity:	**1**	
Altitude:	**0.0**	ft
EER @ ARI Conditions:	**10.1**	
IPLV:	**12.5**	
Suction Line Loss:	**2.0**	°F

Condensing unit is rated in accordance with ARI 365.

Liquid Line Sizing Circuit A

Pipe Length	Liquid Line Size
0 - 25	7/8
26 - 100	1 1/8
101 - 200	1 3/8

Liquid Line Sizing Circuit B

Pipe Length	Liquid Line Size
0 - 25	7/8
26 - 100	1 1/8
101 - 200	1 3/8

Suction Line Sizing Circuit A

Pipe Length	Suction Line Size
0 - 75	2 1/8
76 - 200	2 5/8

Suction Line Sizing Circuit B

Pipe Length	Suction Line Size
0 - 75	2 1/8
76 - 200	2 5/8

Dual suction riser may be required, refer to PD.

Outdoor Unit Parameters

Unit Quantity:	**1**	
PartNumber:	**38AH-084--E6**	
Unit Model:	**38AH**	
Unit Size:	**80 Tons**	
Voltage:	**460-3-60**	V-Ph-Hz
Total Clg Cap.(Gross):	**1022.4**	MBH
SDT:	**128.0**	°F
Clg Ent Air DB:	**95.0**	°F
Saturated Suction Temp:	**45.0**	°F

Outdoor Electrical Data

Unit Voltage:	**460-3-60**	V-Ph-Hz
Unit#1 MCA:	**166.0**	Amps
Unit#1 MOCP:	**225.0**	Amps
Total Compressor Power of Unit #1:	**92.30**	kW
Voltage Range Min:	**414**	V
Voltage Range Max:	**508**	V
Compressor RLA:	**65.4/65.4**	
Compressor LRA:	**345/345**	
Compressor Quantity:	**1 (Circ A), 1 (Circ B)**	
Fan Motors Qty:	**6**	

Notice: Outdoor unit elect. data is based on 460-3-60

Performance Summary For CU-1

Project: ~Untitled2 06/26/2014
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Acoustics
Sound Power Levels, db re 10E-12 Watts

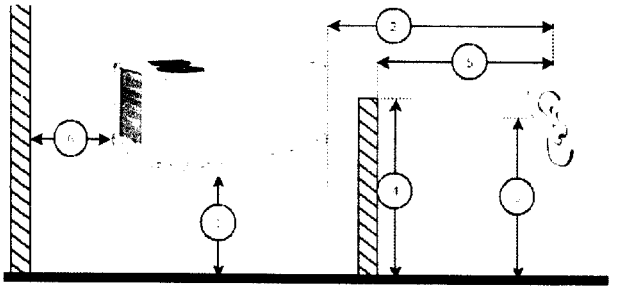
FIOPS and Accessories Information

FIOPS	Quantity
E-Coated Aluminum Fins/Copper Tubes	1
Standard Unit, dual circuit	1
Accessories	**Quantity**
Hot Gas Bypass for Outdoor Unit	1
Electric Solenoid Unloader for Outdoor Unit	1
24V Solenoid Coil for Unloader Kit for Outdoor Unit	1
Coil Capacity Control Package for Outdoor Unit	1
Liquid Line Solenoid Valve for Outdoor Unit	2

	Outdoor Unit (dB)	Indoor Unit (dB,Ducted)
A-Weighted Total Level	98.7	NA
63Hz	103.0	NA
125Hz	96.0	NA
250Hz	98.0	NA
500Hz	95.0	NA
1000Hz	94.0	NA
2000Hz	91.0	NA
4000Hz	87.0	NA
8000Hz	82.0	NA
Sound Message	Sound for AH084	

Acoustic Note:
1. 38AUZ and 38AUD sound power data is tested in accordance with ARI270-95 Sound Rating of Unitary Equipment.
2. The indoor duct sound power data is estimated based on the ASHRAE calculation approach from the ASHRAE handbook 1987 HVAC Systems & Applications, Chapter 52.
3. The acoustic center of the unit is located at the geometric center of the unit.
4. All estimated sound power levels, dB re 1 Picowatt should not be guaranteed or certified as being the actual sound power levels.

Advanced Accoustics Parameters
1. Unit height above ground: **1.0** ft
2. Horizontal distance from unit to receiver: **20.0** ft
3. Receiver height above ground: **5.7** ft
4. Height of obstruction: **0.0** ft
5. Horizontal dist. from obstruction to receiver: **0.0** ft
6. Horizontal dist. from unit to obstruction: **0.0** ft



Detailed Acoustics Information

Octave Band Center Frequency, Hz	63	125	250	500	1k	2k	4k	8k	Overall
Sound Power Levels at Unit's Acoustic Center (Lw), dB	103.0	96.0	98.0	95.0	94.0	91.0	87.0	82.0	105.8
A-Wgted Sound Power Levels at Unit's Acoustic Center (LwA), dBA	76.8	79.9	89.4	91.8	94.0	92.2	88.0	80.9	98.7
Sound Press. Levels at Dist. Specified above (Lp), dB	78.0	71.0	73.0	70.0	69.0	66.0	62.0	57.0	80.7
A-Wgted Sound Press. Levels at Dist. Specified above (LpA), dBA	51.8	54.9	64.4	66.8	69.0	67.2	63.0	55.9	73.7