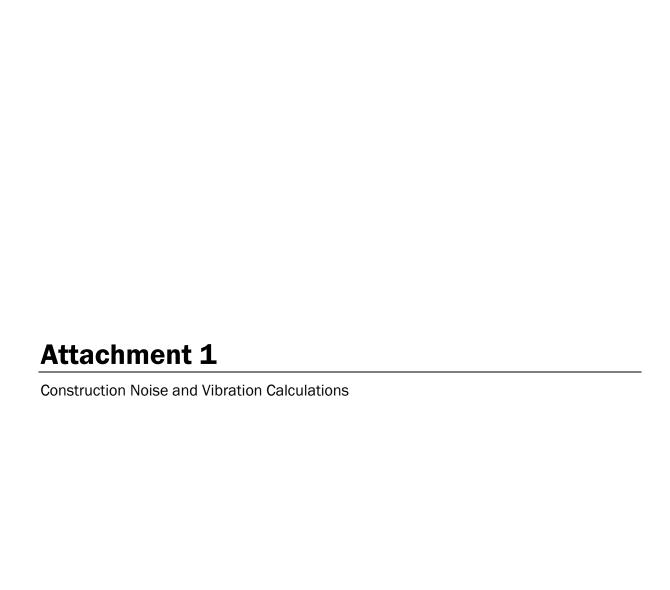
## Appendix B

Supporting Noise Data



#### **Construction Noise**

Phase 1	Noise Level @ 50 ft	Single Family Res to the NW	Single Family Res to the NE
Distance		25	25
Demolition	88	94.021	94.021
Site Preparation	91	97.021	97.021
Grading	91	97.021	97.021
Building Construction	91	97.021	97.021
Paving	86	92.021	92.021
Architectural Coating	84	90.021	90.021

#### **Construction Vibration**

MTSJ-02	Vibration @ 25 ft	Single Family Res to the NW	Single Family Res to the NE
Phase 1		20	20
Large Bulldozer	0.089	0.124	0.124
Loaded Trucks	0.076	0.106	0.106
Static Roller	0.05	0.070	0.070
Small Bulldozer	0.003	0.004	0.004
MTSJ-02	Vibration @ 25 ft	Single Family Res to the NW	Single Family Res to the NE
Phase 2		26	26
Vibratory Roller	0.21	0.198	0.198

## **Attachment 2**

Operational HVAC Ldn Calculations

#### **Operational HVAC Ldn Calculations**

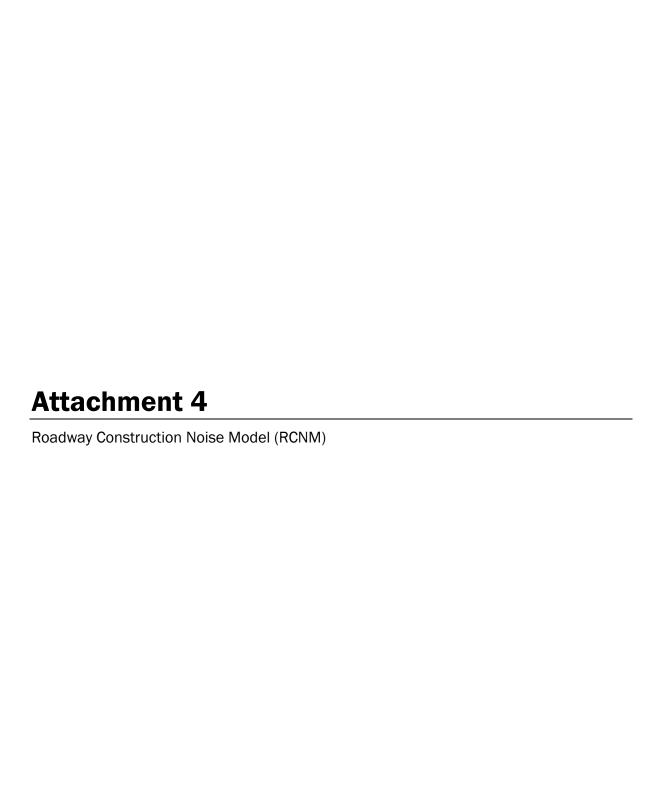
Residenc	es Northwest	of HVAC											
Day	Date	Time	Duration	Leq	Energy	Leq (hr)	Energy+Penalty	CNE	L	Energy+Pen	alty	Ldn	
											All	53	
											X	#REF!	
								24-Hr CNEL	53		XX	#REF!	
											XXX	53	
											XXXX	53	
											XXXXX	46	
											XXXXXX	#DIV/0!	
											XXXXXXXX	#DIV/0!	
								Min =>	46				
								Max =>	46				
Monday	2022-09-18		01:00:00.0		39810.72					39810.7171			*5 dBA reduction from wall added in
Monday	2022-09-18		01:00:00.0		39810.72					39810.7171			
Monday	2022-09-18		01:00:00.0		39810.72					39810.7171			
Monday	2022-09-18		01:00:00.0		39810.72					39810.7171			
Monday	2022-09-18		01:00:00.0		39810.72					39810.7171			
Monday	2022-09-18		01:00:00.0		39810.72					39810.7171			
Monday	2022-09-18		01:00:00.0		39810.72					39810.7171			
Monday	2022-09-18		01:00:00.0		39810.72					39810.7171			
Monday	2022-09-18		01:00:00.0		39810.72					39810.7171			
Monday	2022-09-18		01:00:00.0		39810.72					39810.7171			
Monday	2022-09-18		01:00:00.0		39810.72					39810.7171			
Monday	2022-09-18		01:00:00.0							39810.7171			
Monday	2022-09-18		01:00:00.0		39810.72					398107.171			
Monday	2022-09-18		01:00:00.0		39810.72					398107.171			
Tuesday	2022-09-19		01:00:00.0							398107.171			
Tuesday	2022-09-19		01:00:00.0							398107.171			
Tuesday	2022-09-19		01:00:00.0							398107.171			
Tuesday	2022-09-19		01:00:00.0							398107.171			
Tuesday	2022-09-19		01:00:00.0		39810.72					398107.171			
Tuesday	2022-09-19		01:00:00.0		39810.72					398107.171			
Tuesday	2022-09-19		01:00:00.0		39810.72					398107.171			
Tuesday	2022-09-19		01:00:00.0		39810.72					39810.7171			
Tuesday	2022-09-19		01:00:00.0		39810.72					39810.7171			
Tuesday	2022-09-19	09:00:00	01:00:00.0	46.0	39810.72	46	39810.71706			39810.7171			

## **Attachment 3**

Noise Monitoring Data

### **Long Term Noise Monitoring Data**

Project:_	23-14767 739																		
Day	Date	Time	Duration	Leq	Lmax	Lmin	L(2)	L(8)	L(25)	L(50)	L(99)	Energy	Leq (hr)	Energy+Penalty	CNI		Energy+Per		Ldn
															All	52		All	_ 5
															Monday			X	#REF!
	-														Tuesday Wednesday			XX XXX	#REF!
															XXXX	′		XXX	4
															XXXXX			XXXXX	5
															XXXXXXX			XXXXXX	#DIV/0!
															xxxxxxx			xxxxxxx	#DIV/0!
															Min =>	0			
															Max =>	53			
Monday	9/18/2023	15:00:00	01:00:00.0	50.3							43	107151.9					107151.931		
Monday	9/18/2023	16:00:00		47.8								60255.96					60255.9586		
Monday	9/18/2023	17:00:00	01:00:00.0	47.9	64.5	35.7	56.9	52.7	46.8	41	.9	61659.5	47.9	61659.50019			61659.5002	2	
Monday	9/18/2023	18:00:00	01:00:00.0	45.1	65	35.5	54.1	49	41.7	39	.3	32359.37	45.1	32359.36569			32359.3657	,	
Monday	9/18/2023	19:00:00	01:00:00.0	48.2	65	37.8	58.9	51.6	44.3	41	.8	66069.34	48.2	208929.6131			66069.3448	3	
Monday	9/18/2023	20:00:00	01:00:00.0	51.4	76	37.1	59.3	53.1	1 45	42	.4	138038.4	51.4	436515.8322			138038.426	6	
Monday	9/18/2023	21:00:00	01:00:00.0	48.8	72.3	38.4	58.3	53.6	45.6	6 4	42	75857.76	48.8	239883.2919			75857.7575	i	
Monday	9/18/2023	22:00:00	01:00:00.0	45.3	63.1	38.1	55.8	47.4	41.6	40	.3	33884.42	45.3	338844.1561			338844.156	6	
Monday	9/18/2023	23:00:00	01:00:00.0	44.1	60.1	34.2	54.1	48.1	39.3	37	.6	25703.96	44.1	257039.5783			257039.578	3	
Tuesday	9/19/2023	00:00:00	01:00:00.0	42.5	63.8	34	49.1	42.7	37.1	36	.2	17782.79	42.5	177827.941			177827.941		
Tuesday	9/19/2023	01:00:00	01:00:00.0	36.4	57.2	34	39.4	37.3	36.5	35	.8	4365.158	36.4	43651.58322			43651.5832	2	
Tuesday	9/19/2023	02:00:00	01:00:00.0	34.9	42.7	33.4	37.6	36	35	34	.4	3090.295	34.9	30902.95433			30902.9543	3	
Tuesday	9/19/2023	03:00:00	01:00:00.0	36.3	58.8	33.7	41	37.1	35.9	35	.1	4265.795	36.3	42657.95188			42657.9519		
Tuesday	9/19/2023	04:00:00	01:00:00.0	37.5	55.2	33.7	43.6	37.5	36.2	35	.7	5623.413	37.5	56234.13252			56234.1325	5	
Tuesday	9/19/2023	05:00:00	01:00:00.0	45.6	67.8	35.2	2 56.9	45.6	40.6	39	.5	36307.81	45.6	363078.0548			363078.055	i	
Tuesday	9/19/2023	06:00:00	01:00:00.0	49.7	67	38.5	59.5	53.6	47.5			93325.43	49.7	933254.3008			933254.301	1	
Tuesday	9/19/2023	07:00:00	01:00:00.0	49.7	65.6	40.6	59.2	53.1	47.8	3 44	9	93325.43	49.7	93325.43008			93325.4301		
Tuesday	9/19/2023		01:00:00.0									72443.6					72443.596		
Tuesday	9/19/2023			46.3								42657.95					42657.9519		
Tuesday	9/19/2023		01:00:00.0									25118.86					25118.8643		
Tuesday	9/19/2023		01:00:00.0	49.8								95499.26					95499.2586		
Tuesday	9/19/2023		01:00:00.0	48.5								70794.58					70794.5784		
Tuesday	9/19/2023	13:00:00		49.8								95499.26					95499.2586		_
Tuesday	9/19/2023			52.7								186208.7	52.7				186208.714		-
ruesday	9/19/2023	14.00:00	01.00:00.0	52.7	79.1	31	60.7	51.8	7 40.2	42	.4	100200.7	52.7	100200.7137			100200.714	1	



Report date: 09/27/2023 Case Description: Demolition

\*\*\*\* Receptor #1 \*\*\*\*

			Baselin	es (dBA)
Description	Land Use	Daytime	Evening	Night
Demolition	Residential	65.0	55.0	50.0

Equipment Receptor Estimated Spec Actual Distance Shielding Impact Usage Lmax Lmax Device (dBA) (feet) (dBA) Description (%) (dBA) -------------Backhoe No 40 77.6 25.0 0.0 Backhoe No 40 77.6 25.0 0.0 40 25.0 0.0 Dozer No 81.7

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Night	Night		Calculated (dBA) Day Day Evening Night		•	Eveni	ng		
Equipment Leq	Lmax	Leq	Lmax Lmax	Leq Leq	Lmax Lmax	Leq Leq	Lmax	Leq	Lmax
Backhoe			83.6	79.6	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Backhoe			83.6	79.6	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Dozer			87.7	83.7	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	То	tal	87.7	86.2	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			

Report date: 09/27/2023

Backhoe

N/A

Case Description: Site Preparation

No

Total

N/A

N/A

40

\*\*\*\* Receptor #1 \*\*\*\*

				Bas	elines (dBA)	)
Description	La	nd Use	Da	ytime	Evening	Night
Site Preparation Resident		sidential		65.0	55.0	50.0
			E -	quipment		
Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
 Grader	 No	40	85.0		25.0	0.0

Results

77.6

25.0

-----

Noise Limits (dBA)

0.0

Noise Limit Exceedance (dBA)

91.0

N/A

87.8

N/A

Day Evening Calculated (dBA) Night Day Evening Night ----------Equipment Lmax Leq Lmax Leq Lmax Lmax Leq Lmax Leq Leq Lmax Leq Lmax Leq N/A N/A 91.0 87.0 Grader N/A 83.6 79.6 Backhoe N/A N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

Report date: 09/27/2023 Case Description: Grading

\*\*\*\* Receptor #1 \*\*\*\*

	_		_	Basel	` '					
Description	Land Us	e	Daytime	Evenin	g Night					
		-								
Grading	Residen	tial	65.0	0 50.0						
		Equipment								
			Spec	Actual	Receptor	Estimated				
	Impact	Usage	Lmax	Lmax	Distance	Shielding				
Description	Device	(%)	(dBA)	(dBA)	(feet)	(dBA)				
Grader	No	40	85.0		25.0	0.0				
Dozer	No	40		81.7	25.0	0.0				
Backhoe	No	40		77.6	25.0	0.0				

#### Results

-----

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

			Calculate	ed (dBA)	D	ay	Eveni	.ng	
Night		Day		Evening		Night			
_									
Equipment			Lmax	Log	 Lmax	Leq	 Lmax	Leq	Lmax
• •				Leq		•	LIIIax	Leq	LIIIax
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq			
Grader			91.0	87.0	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Dozer			87.7	83.7	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Backhoe			83.6	79.6	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	To	tal	91.0	89.2	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			

Report date: 09/27/2023

Case Description: Building Construction

\*\*\*\* Receptor #1 \*\*\*\*

Description		Land	Use	Baselines (dBA) e Daytime Evening Nigh					
Building Const	ruction	Resid	ential	65.0	55.0	50.0			
			Equipment						
Daganintian	Impact	Usage	Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding			
Description	Device	(%)	(dBA)	(dBA)	(feet)	(dBA)			
Grader	No	40	85.0		25.0	0.0			
Backhoe Backhoe	No No	40 40		77.6 77.6	25.0 25.0	0.0 0.0			

Results

-----

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

			Calculate	ed (dBA)	D	ay	Eveni	ng	
Night		Day		Evening		Night			
Equipment			Lmax	Leq	 Lmax	Leq	 Lmax	Leq	Lmax
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq			
Grader			91.0	87.0	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Backhoe			83.6	79.6	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Backhoe			83.6	79.6	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	To	tal	91.0	88.4	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
N/A	N/A	N/A	N/A	N/A	N/A	N/A			

Report date: 09/27/2023 Case Description: Paving

\*\*\*\* Receptor #1 \*\*\*\*

Description	Land Use		Daytime	Basel: Evening	ines (dBA) g Night						
Paving	Residential		65.0	55.0	50.0						
	Equipment										
Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)					
Roller Paver	No No	20 50		80.0 77.2	25.0 25.0	0.0 0.0					
Backhoe	No	40		77.6	25.0	0.0					

#### Results

-----

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

			Calculate	ed (dBA)	D	ay	Eveni	ng	
Night		Day		Evening		Night			
_									
Equipment			Lmax	Leq	 Lmax	Leq	 Lmax	Leq	Lmax
• •				•		•	LIIIax	Leq	LIIIax
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq			
Roller			86.0	79.0	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Paver			83.2	80.2	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Backhoe			83.6	79.6	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	To	tal	86.0	84.4	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			

Report date: 09/27/2023

Case Description: Architectural Coating

\*\*\*\* Receptor #1 \*\*\*\*

		nes (dBA)		
Description	Land Use	Daytime	Evening	Night
Architectural Coating	Residential	65.0	55.0	50.0

			Equipment						
Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)			
Compressor (air)	No	40		77.7	25.0	0.0			

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

-----

Night		Day	Calculated (dB. Eveni		Day Night		Evening			
Equipment Leq	Lmax	Leq	Lmax Lmax	Leq Leq	Lmax Lmax	Leq Leq	Lmax	Leq	Lmax	
Compressor	(air)		83.7	79.7	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
	Tot	tal	83.7	79.7	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A				

\*\*\*\* Receptor #2 \*\*\*\*

			Baselines	s (dBA)
Description	Land Use	Daytime	Evening	Night
		0.0	0.0	0.0

Equipment

	Impact		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	(%)	(dBA)	(dBA)	(feet)	(dBA)
Compressor (air)	No	40		77.7	0.0	0.0

Results

Noise Limits (dBA)

#### Noise Limit Exceedance (dBA)

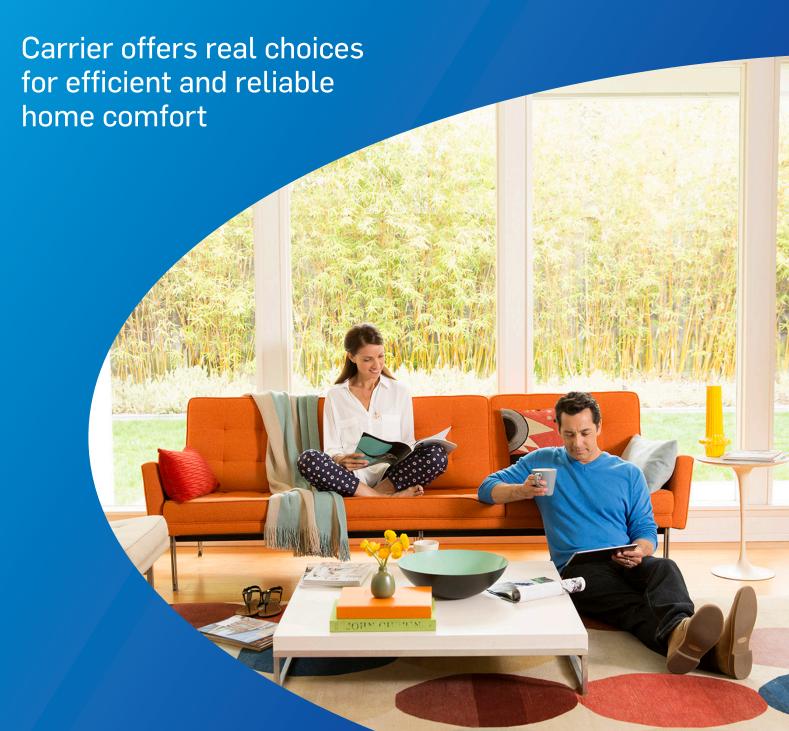
Night		Day	Calculated (dBA) Evening		Day Night		Evening			
Equipment Leq	Lmax	Leq	Lmax Lmax	Leq Leq	Lmax Lmax	Leq Leq	Lmax	Leq	Lmax	
Compressor	(air) N/A	N/A	 N/A	 -4.0 N/A	N/A N/A	N/A N/A	N/A	N/A	N/A	
N/A	Tot N/A	al N/A	0.0 N/A	-4.0 N/A	N/A N/A	N/A N/A	N/A	N/A	N/A	



Carrier 2.5-Ton 24ABA4030 HVAC unit



# COOL YOUR HOME WITH A CARRIER AIR CONDITIONER



## Designed To Fit Your Home – And Your Budget

Turn to the experts at Carrier for real solutions for your home cooling needs. Our comprehensive selection of air conditioners have been designed to fit virtually any home and a variety of budgets. From our innovative and intelligent Infinity® System line with variable-speed, two-stage, and single-stage options...to Performance $^{\text{TM}}$  Series deluxe two-stage and single-stage choices...and the value-driven Comfort $^{\text{TM}}$  Series single-stage models, our air conditioners offer summertime comfort you can depend on.

Air Conditioner	Infinity® System									
Options+	24VNA6	24VNA9	24ANB1	24ANB7	24ANB7**C (Coastal)	24ANB6				
			Efficie	Efficiency						
Cooling SEER (up to)	26.0	19	.0	17	7.0	16.0				
Compressor Type	Fully variable-speed with capacity range from 25-100%	Five-stage variable-speed with capacity range from 25-100%	hiç anc	Two-stage with gh-stage at 100% capa I low-stage at 75% cap	Single-stage at 100% capacity at all times					
ENERGY STAR®	•	•	•	•	•	•				
			Comfort I	Features						
Sound level (as low as)	51 dBA	60 dBA	71 dBA	72 dBA	72 dBA	66 dBA				
Humidity Control	Ideal Humidity Sys offers excellent hun capable of removin- moisture than sta	nidity control and is g up to 400% more		Enhanced Standard						
			Durak	oility						
Cabinet Protection		WeatherArmor™ louvered coil gu	Ultra provides durat ard and baked-on po dents and weathe	bility with a galvanized owder paint to protect a er-based threats.	l steel cabinet, against dings,					
			Recommende	d Thermostat						
Infinity® System Control	•	•	•	•	•	•				
ecobee, Powered by Carrier	-	-	-	-	-	-				
	Peace of Mind									
Limited Parts Warranty*			10-Y	'ear						
Replacement Limited Warranty*	10-Year	-	-	-	-	-				

<sup>\*</sup> Upon timely registration, the warranty period is five years if not registered within 90 days of installation except in jurisdictions where warranty benefits cannot be conditioned upon registration.

## Designed with Your Comfort in Mind

Carrier air conditioners represent years of design, development and testing with one goal in mind – maximizing your family's comfort. Along the way, we have created new technologies that deliver the outstanding quality and energy efficiency you demand while staying ahead of industry trends and global initiatives. Check out the side-by-side comparison below to see which model is right for you.

Perfo	Comfort™ Series									
24ACB7	24APB6	24ACC6	24ACB3	24ABC6	24AAA5	24ACC4	24ACA4**C (Coastal)	24ABB3		
				Efficiency						
17.0		16.5	13.0	16.5	17.0	1.	4.0	13.0		
Two-stage with high-stage at 100% capacity and low-stage at 75% capacity	Single-stage 6 capacity at a	ıll times		at	Single-stag : 100% capacity a	e t all times				
•	•	•	-	•	-	-	-	-		
				Comfort Featu	ıres					
72 dBA	68 dBA	73 dBA	70 dBA	76 dBA	75 dBA	75 dBA	73 dBA	73 dBA		
Enhanced		Standard		Standard						
				Durability						
w	eatherArmor l	Jltra		WeatherArmor provides durability with a galvanized steel cabinet, wire coil guard and baked-on powder paint to protect against dings, dents and weather-based threats.						
			Reco	mmended The	ermostat					
-	-	-	-	-	-	-	-	-		
•	•	•	•	•	•	•	•	•		
	Peace of Mind									
	10-Year									
-	-	-	-	-	-	-	-	-		

<sup>+</sup> Air conditioner models may not be sold in every region.

<sup>\*\*</sup> Based on Carrier testing, all data was run with the systems cycling once they met the assumed home load. The assumed load at AHAM conditions (80/70, 80) is the capacity of the variable-speed running continuously in dehumidification mode. The difficult conditions load was determined by a Wrightsoft® load calculation for a home in Florida at 69 OD 72/63 ID. This condition was provided by a customer in Florida as "worst case".

## MORE THAN A CENTURY OF COOL

In 1902, a determined engineer answered one of mankind's most nagging questions: How do we make hot, sticky, indoor air go away? In creating the world's first modern air conditioning system, Willis Carrier forever changed indoor life, and, more than a century later, the corporation that bears his name takes inspiration from his example.

Carrier strives to improve on our founder's breakthroughs, introducing new technologies that make life at home even cooler. Today, a nationwide network of experts continues to advance Willis Carrier's lifework. Your expert Carrier dealer is equipped to evaluate your home and create a customized system designed around your lifestyle.



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