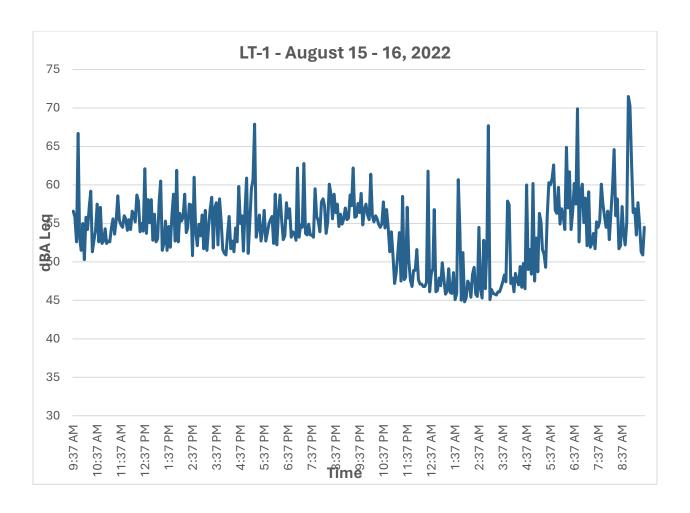
Appendix D

Noise Modeling and Technical Information

Attachment 1

Noise Measurement Data





Roadway Construction Noise Model (RCNM) Data

Construction Noise

	Noise Level @ 50 ft	Single Family Res to the SE	Lytton Garden Assisted Living	Single-Fam Res to the S
Distance		25	70	45
Demolition	90	96.021	87.077	90.915
Site Preparation	81	87.021	78.077	81.915
Grading and Excavation	85	91.021	82.077	85.915
Building Construction	81	87.021	78.077	81.915
Paving	80	86.021	77.077	80.915
Architectural Coating	81	87.021	78.077	81.915

Construction Vibration

	Vibration @ 25 ft	Single Family Res to the SE	Single Family Res to the NE	Single Family Res to the S
Distance		10	15	45
Vibratory Roller	0.21	0.830	0.452	0.087
Large Bulldozer	0.089	0.352	0.191	0.037
Loaded Trucks	0.076	0.300	0.164	0.031
Static Roller	0.05	0.198	0.108	0.021
Small Bulldozer	0.003	0.012	0.006	0.001
	Vibration @ 25 ft	Single Family Res to the NW	Single Family Res to the NE	Single Family Res to the S
Distance		25	25	45
Vibratory Roller	0.21	0.210	0.210	0.087

Report date: 02/21/2024 Case Description: Demolition

**** Receptor #1 ****

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

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	50.0	0.0
Concrete Saw	No	20		89.6	50.0	0.0
Excavator	No	40		80.7	50.0	0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Night		Day	Calculated (dBA) Evening		Day Night 		Eveni	ng 	
Equipment Leq	Lmax	Leq	Lmax Lmax	Leq Leq	Lmax Lmax	Leq Leq	Lmax	Leq	Lmax
Front End	Loader		79.1	75.1	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Concrete S	Saw		89.6	82.6	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Excavator			80.7	76.7	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	To	tal	89.6	84.2	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: 02/21/2024

Case Description: Site Preparation

**** Receptor #1 ****

	Baselines (dBA)									
Description	Land Use		Daytime	Daytime Evening						
		-								
Site Preparation	Residen	tial	65.0	55.	0 50.0					
			Equipme	ent						
			Spec	Actual	Receptor	Estimated				
	Impact	Usage	Lmax	Lmax	Distance	Shielding				
Description	Device	(%)	(dBA)	(dBA)	(feet)	(dBA)				
Excavator	No	40		80.7	50.0	0.0				
Front End Loader	No	40		79.1	50.0	0.0				

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

----- Calculated (dBA)

Night		Day	Calculated (dBA) Evening		Day Night		Evening		
									1
Equipment			Lmax	Leq	Lmax	•	Lmax	Leq	Lmax
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq			
Excavator			80.7	76.7	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Front End	Loader		79.1	75.1	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	al	80.7	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			

Report date: 03/04/2024

Case Description: Grading and Excavation

**** Receptor #1 ****

Description	Land Use		Baselines Daytime	(dBA) Evening	Night		
Grading and	Excavation	Resident	tial	65.0	55.0	50.0	
		pment 					
	Impact	Usage	Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding	
Description	Device		(dBA)	(dBA)	(feet)	(dBA)	
Auger Drill Excavator Grader	Rig No No No	20 40 40	85.0	84.4 80.7	50.0 50.0 50.0	0.0 0.0 0.0	

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

			Calculate	ed (dBA)	D	ay	Eveni	ng	
Night		Day	Evening			Night		6	
Equipment			Lmax	Leq	 Lmax	Leq	 Lmax	Leq	Lmax
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq		•	
Auger Dri	ll Rig		84.4	77.4	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Excavator			80.7	76.7	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Grader			85.0	81.0	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	To	tal	85.0	83.6	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			

Report date: 02/21/2024

Case Description: Building Construction

**** Receptor #1 ****

		Baselin		
Description	Land Use	Daytime	Evening	Night
Building Construction	Residential	65.0	55.0	50.0

				Equipment 					
Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)			
Man Lift	No	20		74.7	50.0	0.0			
Crane	No	16		80.6	50.0	0.0			
Pumps	No	50		80.9	50.0	0.0			

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Night		Day	Calculated (dBA) Evening		Day Night		Eveni	ng	
		Duy							
Equipment			Lmax	Leq	 Lmax	Leq	Lmax	Leq	Lmax
Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq			
Man Lift			74.7	67.7	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Crane			80.6	72.6	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Pumps			80.9	77.9	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	80.9	79.4	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: 02/21/2024
Case Description: Paving

**** Receptor #1 ****

			Baselines	(dBA)
Description	Land Use	Daytime	Evening	Night
Paving	Residential	65.0	55.0	50.0

Equipment

			Spec	Actual	Receptor	
Estimated	Impact	Usage	Lmax	Lmax	Distance	
Shielding	•	J		-		
Description	Device	(%)	(dBA)	(dBA)	(feet)	(dBA)
Roller	No	20		80.0	50.0	
0.0 Drum Mixer	No	50		80.0	50.0	
0.0	NO	50		55.6	50.0	

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

Evening Calculated (dBA) Day Night Day Evening Night Lmax Leq Equipment Lmax Leq Lmax Leq Lmax Leq Lmax Leq Lmax Leq Lmax Leq --------------80.0 73.0 Roller N/A 80.0 77.0 N/A Drum Mixer N/A .0 78.5 N/A N/A N/A N/A N/A Total 80.0 78.5 N/A N/A N/A N/A N/A N/A

Report date: 02/21/2024

Case Description: Architectural Coating

**** Receptor #1 ****

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

Equipment Spec Estimated Actual Receptor Impact Usage Distance Shielding Lmax Lmax Device (dBA) Description (%) (dBA) (dBA) (feet) ------------------50.0 0.0 Crane No 16 80.6 Compressor (air) No 40 77.7 50.0 0.0

Results

Noise Limits (dBA)

Noise Limit Exceedance (dBA)

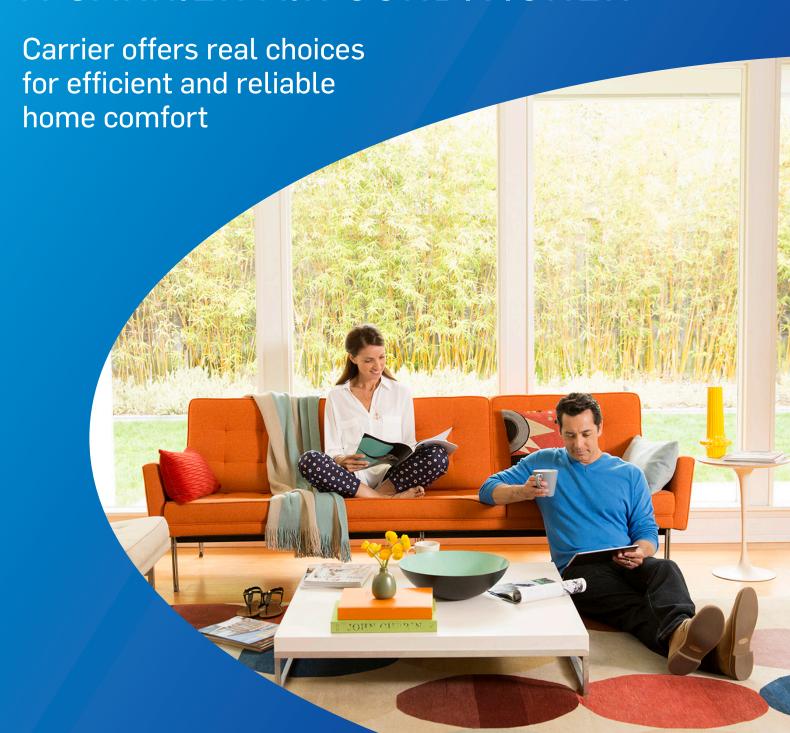
Night D		Day	Calculated (dBA) Evening		Day Night		Evening			
Equipment Leq	Lmax	Leq	Lmax Lmax	Leq Leq	Lmax Lmax	Leq Leq	Lmax	Leq	Lmax	
Crane			80.6	72.6	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
Compressor	(air)		77.7	73.7	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
	Tot	al	80.6	76.2	N/A	N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	N/A	N/A	N/A				

Attachment 3

HVAC - Carrier 24ABA4030



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			
Cooling SEER (up to)	26.0	19	.0	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%	e-speed high-stage at 100% capacity						
ENERGY STAR®	•	•	•	•	•	•			
			Comfort I	Features					
Sound level (as low as)	51 dBA	60 dBA	60 dBA 71 dBA 72 dBA 72 dB		72 dBA	66 dBA			
Humidity Control	offers excellent hun capable of removing	Ideal Humidity System™ Technology offers excellent humidity control and is capable of removing up to 400% more moisture than standard systems.**							
			Durak	oility					
Cabinet Protection		WeatherArmor™ Ultra provides durability with a galvanized steel cabinet, louvered coil guard and baked-on powder paint to protect against dings, dents and weather-based threats.							
			Recommende	d Thermostat					
Infinity® System Control	•	•	•	•	•	•			
ecobee, Powered by Carrier	-	-			-	-			
	Peace of Mind								
Limited Parts Warranty*			10-Y	'ear					
Replacement Limited Warranty*	10-Year	-	-	-	-	-			

^{*} 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.

Performance™ Series				Comfort™ Series				
24ACB7	24APB6	24ACC6	24ACB3	24ABC6	24AAA5	24ACC4	24ACA4**C (Coastal)	24ABB3
Efficiency								
17.0		16.5	13.0	16.5 17.0 14.0 13.0				
Two-stage with high-stage at 100% capacity and low-stage at 75% capacity Two-stage with Single-stage at 100% capacity at all times			Single-stage at 100% capacity at 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		Weat wire c	therArmor provi oil guard and b dent	des durability with aked-on powder p s and weather-ba	n a galvanized stee paint to protect aga sed threats.	l cabinet, inst dings,
			Reco	mmended The	ermostat			
-	-	-	-	-	-	-	-	-
•	•	•	•	•	•	•	•	•
Peace of Mind								
	10-Year	10-Year						
-	-	-	-	-	-	-	-	-

⁺ Air conditioner models may not be sold in every region.

^{**} 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".