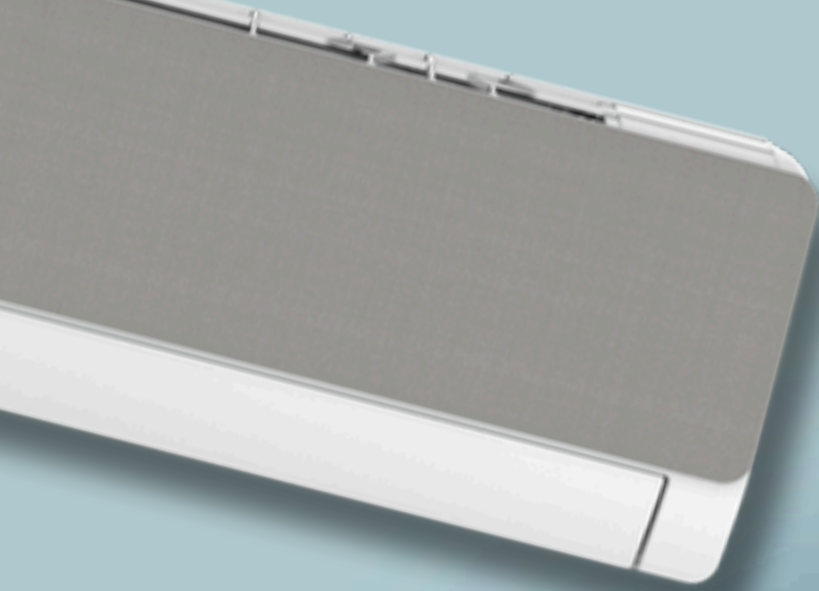


AMBI

XPOWER CORROSION
protection



Air with care



Introducing

AMBI

Always Saving

ECO PLUS: save power + comfort

Always Quiet

Ultimate silence: down to 18dB*

Always Healthy

Dual effect sterilization

Always Connected

Multi-controllers and power usage monitor

Always Room for AMBI

Space-efficient and easy installation

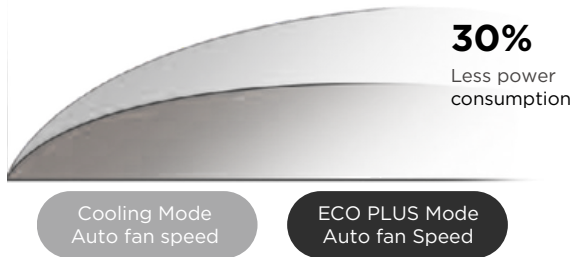
*Test : 18K model in cooling mode with quiet condition.

A Master Of Energy Saving and Comfort

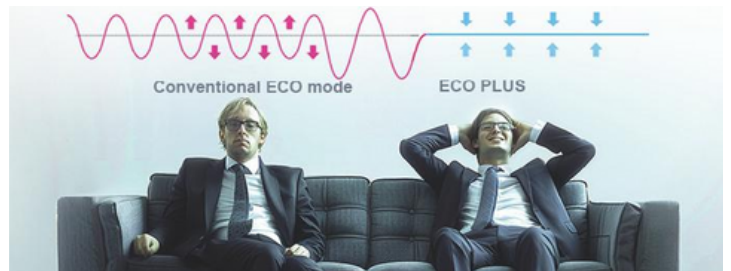
The innovative ECO PLUS technology of the inverter compressor is designed to save energy while providing optimal comfort. Utilizing an AI algorithm, AMBI enhances signal reception, processes data accurately, and delivers timely instructions to the compressor, effectively minimizing energy loss. Acting as "the mastermind," AMBI offers five optional modes that reduce energy consumption, save money, and maintain robust performance.

Energy saving

Power consumption(kW.h)



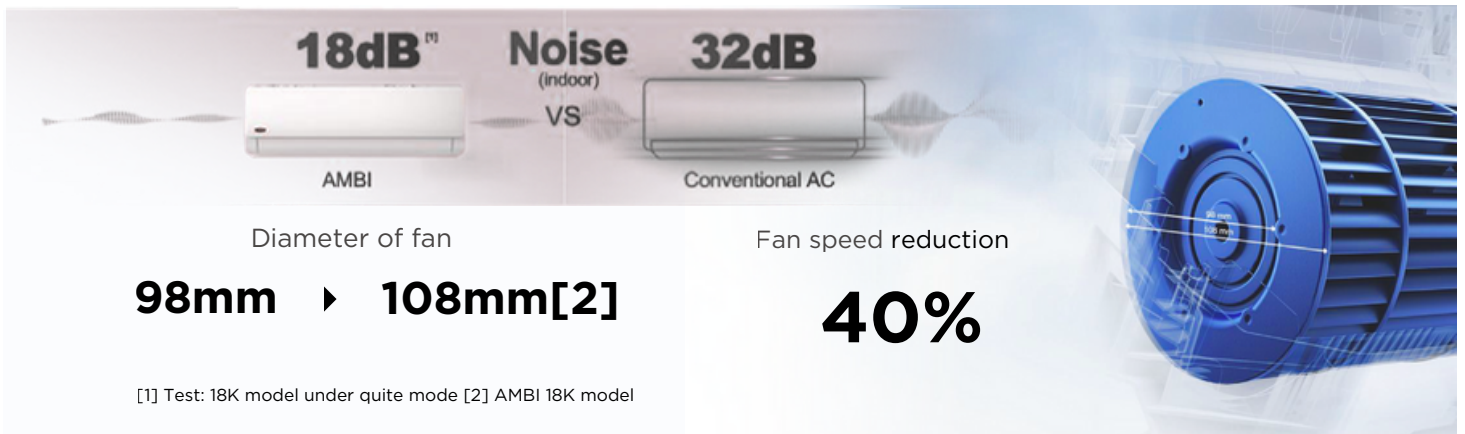
Comfort



Within $\pm 0.3^{\circ}\text{C}$ Stable temperature to ensure comfort

A Master Controller Of Noise Providing A Quieter Environment

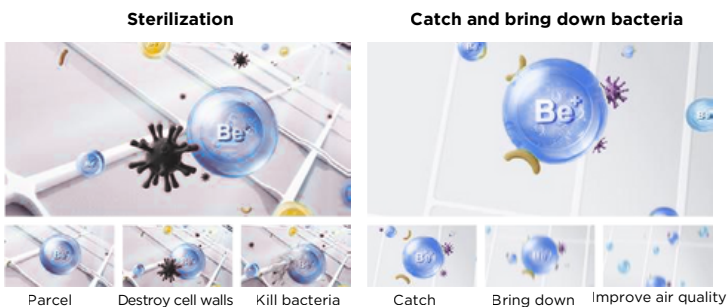
AMBI assures quietness down to 18dB[1], with larger cross-flow fan and new fan motor design.



Dual Effect Sterilization, A Master-protector Of Health

AMBI, equipped with BE+ion cloud technology, releases a high energy jet flow plasma(300 billion/cm³*) to quickly sterilize bacteria, while 199.9 million/cm³* BE+ ions to catch and bring down bacteria, refreshing the air.

Dual effect sterilization



BE+ Ion Cloud

Sterilization rate	Kills bacteria	Reduces bacteria
H1N1	High energy jet flow plasma	Oxygen negative ions
99%* 20m ² in 2 hours	300 billion/cm ³ *	199.9 million/cm ³ *
Staphylococcus aureus		
90%* 30m ² in 2 hours		



- Test by Institute of Plasma Physics, Hefei Institute of Physical Sciences, Chinese Academy of Sciences. Test report NO. is 20221212-1.
- Test by National Center of Quality Inspection and Testing on Air Purification Products of Guangzhou Institute of Microbiology Co., Ltd. Test report NO. is KJ20222311.
- The Patent Numbers: 202211193117.7, 202211193132.1, and 202211065958.X.
- The actual effect may vary according to different environments and conditions of usage.

Always stay connected with AMBI

Multi-controllers

AMBI connects with 6 different controllers



Monitor Power Usage

Users can monitor electricity consumption on Carrier App, in real-time, daily, weekly or monthly.



Bluetooth® Controller

A detachable, wall-mounted Bluetooth remote

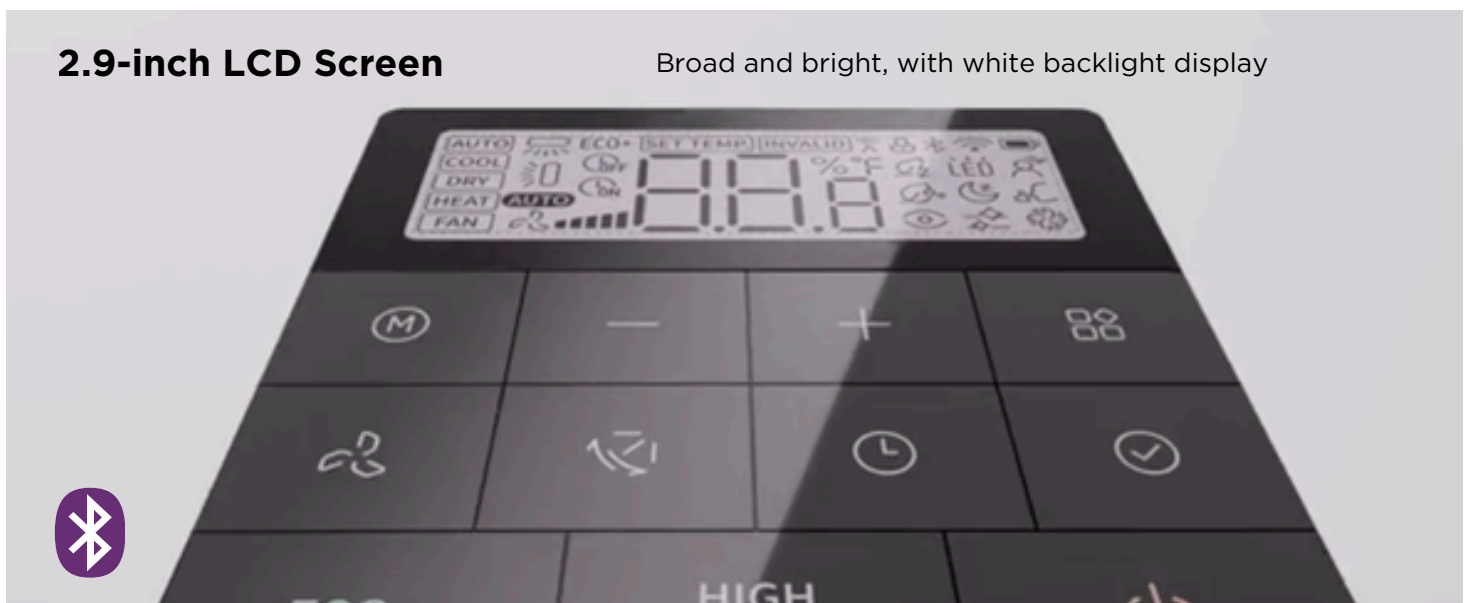
No Built-in Wiring Required

Flexible and capable of accommodating diverse housing needs across various regions.



2.9-inch LCD Screen

Broad and bright, with white backlight display



A Master Planner Of Space

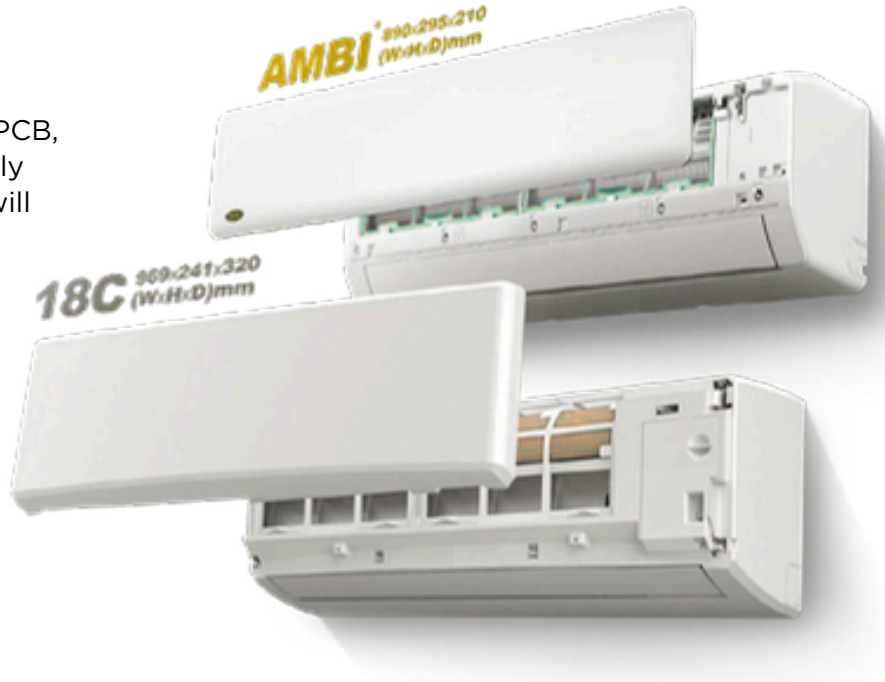
Smaller But Stronger

With a slimmer rotor, ultra-integrated PCB, and curvy evaporator, AMBI successfully shrank its size down by 26.2%, which will provide more advantages for its transportation and warehousing.


Super space-efficient
Overall size down by

26.2%

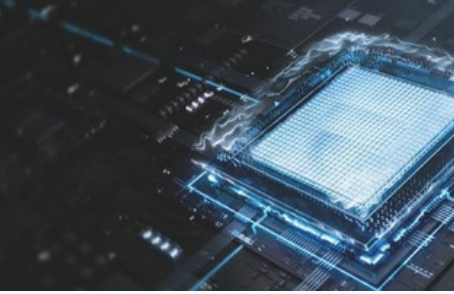
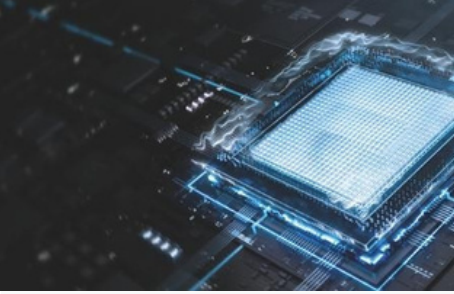
*AMBI 18K model





New Outer Motor Design

Inner motor	Outer motor
	
80mm	50mm
Reduced axial size	-51%
Reduced weight	-30%

Ultra-integrated PCB

	
Conventional PCB	Ultra-integrated PCB
182mm	125mm
Reduced area	-30%

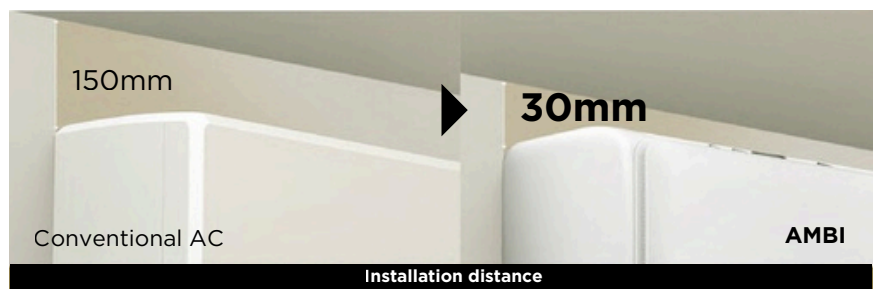
Innovative Evaporator Design

	
Conventional design	Curvy evaporator
165mm	135mm

Flexible Installation & Easy Maintenance

30mm to ceiling, a small step for AMBI, but a great step for AC

The evolved high-energy efficiency sloping design of AMBI, different from traditional top air vent design, creates more possibilities for installation.

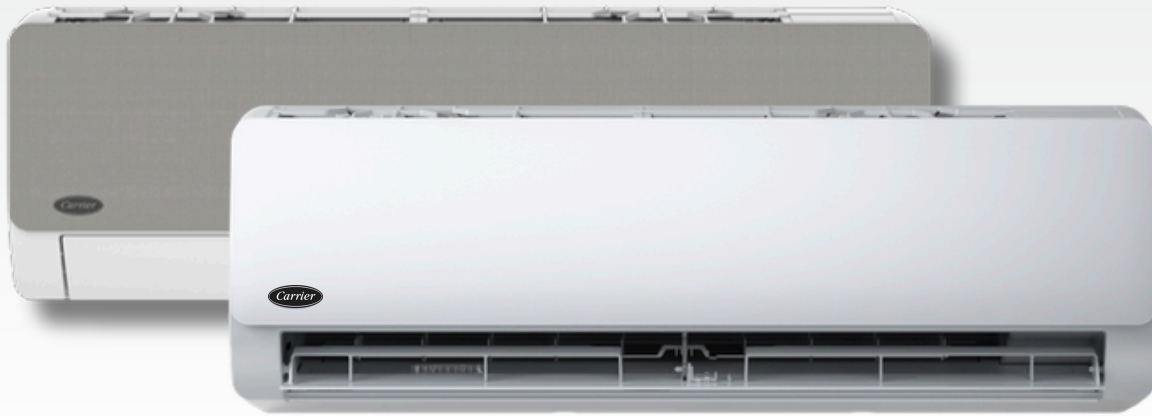


Easy installation: unique groove design

A unique groove design offers great convenience when mounting the power cord to AC, which makes the installer's job easier, improving the installation and maintenance efficiency.



AMBI-ance



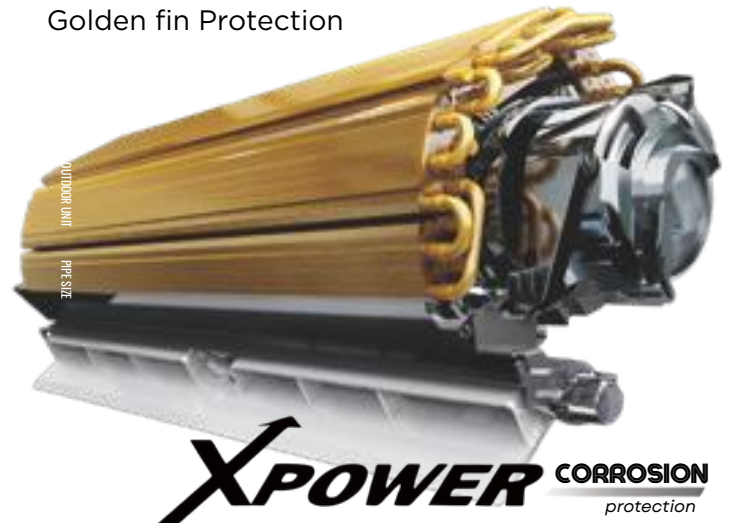
Two new looks

The Ambi and the Ambi Fabric represent a new look for heating and air conditioning in New Zealand. With an emphasis on both style and functionality, these models are designed to meet the evolving needs of modern homes and businesses. The Ambi Fabric introduces a sleek and contemporary aesthetic, blending seamlessly into any interior with its refined textures and color. Meanwhile, the Ambi offers state-of-the-art features that ensure optimal performance and energy efficiency, making it a reliable choice for maintaining comfort throughout the year. Whether you're battling the chill of winter or the heat of summer, these units promise to deliver consistent, high-quality climate control, all while enhancing the ambiance of your space.

Extra treatment

The AMBI comes with enhanced protective features. In addition to the Gold Fin treatment, the coil ends are treated for corrosion resistance. This Xpower corrosion protection ensures the AMBI is ready for server room environments. The indoor coil's Gold Fin treatment is more resistant to water rust, grease adhesion, oxidation, and other corrosive elements compared to standard blue fins. This improvement allows for more consistent cooling performance over an extended period.

Golden fin Protection



Features



8°C Heating



Flash Cooling



iECO Mode



High Density Filter



Cold Catalyst Filter



Wide Angle Airflow



1-100% FanSpeed Control



ThermoStatic Technology



Arctic Fox Remote



Remote Control App



Do Not Disturb



Low Noise



Air Magic Ionizer



I-Clean



Long Distance Windblast





SPECIFICATIONS

AMBI FABRIC



Model Number - System		53QCE020-F	53QCE026-F	53QCE035-F	53QCE050-F	53QCE060-F	53QCE070-F	53QCE080-F		
- Indoor		42QCE020N8F	42QCE026N8F	42QCE035N8F	42QCE050N8F	42QCE060N8F	42QCE070N8F	42QCE080N8F		
- Outdoor		38QCE020N8	38QCE026N8	38QCE035N8	38QCE050N8	38QCE060N8	38QCE070N8	38QCE080N8		
Refrigerant Type		R32								
Refrigerant amount		gm	620	850	1260	1400				
Power Supply		Volts-Phase-Hz	220-240v 1ph,50Hz							
COOLING	Capacity - Rated	kW	2.15	2.53	3.5	5.2	6.10	7.00	7.95	
	Capacity - Range (Min / Max)	kW	0.86/3.75	0.86/3.75	1.06/4.19	1.97/6.4	1.97/6.40	2.7/8.23	2.70/8.23	
	Power Input - Rated	kW	0.444	0.546	0.845	1.349	1.782	1.971	2.325	
	Power Input - Range	kW	0.151/1.145	0.151/1.145	2.07/1.175	0.48/2.00	0.58/1.88	0.625/2.684	0.625/2.684	
	Seasonal Efficiency (Hot / Average / Cold)	Star Rating	6.0 / 5.0 / 5.5	5.5 / 5 / 5.5	5/4.5 / 5	4.5/4/4.5	4/ 4 / 4	3.5/ 3.5 / 4	3.5/ 3.5 / 4	
	Operating Current	A	2.25	2.47	3.75	5.98	7.90	9.0	10.50	
HEATING	Capacity - Rated	kW	2.45	2.91	4.0	5.59	6.20	7.70	8.70	
	Capacity - Range (Min / Max)	kW	1.1/4.1	1.1/4.1	1.26/4.39	2.42/6.59	2.41/6.40	2.7/8.94	2.7/8.94	
	Power Input - Rated	kW	0.455	0.580	0.936	1.46	1.82	1.983	2.395	
	Power Input - Range	kW	0.187/1.120	0.187/1.120	0.22/1.75	0.46/2.00	0.46/2.91	0.536/3040	0.534/3040	
	Seasonal Efficiency (Hot / Average / Cold)	Star Rating	3.5/3.5/3	4 / 3.5 / 3	4/ 3 / 2.5	3/ 2.5/2	3/ 2.5/1.5	3/2.5/2	3/2.5/2	
	Operating Current	A	2.2	2.63	4.15	6.52	8.20	8.9	10.70	
INDOOR UNIT	Dimension (W*D*H)	mm	813x201x289	813x201x289		975x218x308		1055x231x330		
	Net Weight	kg	8.0	8.0	8.2	10.7		13.0		
	Airflow (Hi/Mi/Lo/Silence)	l/s	153/111/86/43	153/111/86/43	166/125/102/61	255/183/150/88		288/244/198/113		
	Moisture Removal	L/hr	0.48	0.50	0.87	1.73	2.47	2.24	2.94	
	Sound Pressure (Hi/Mi/Lo) - 1m	dB(A) (@spl)	38/31.5/30	37/31/29	39/32.5/30	44.5/38/34.5		50/42/36.5		
OUTDOOR UNIT	Dimension (W*D*H)	mm	765x303x555	765x303x555		890x342x673				
	Net Weight	kg	24.7	25.8		38.6		43.8		
	Inverter Compressor	Rotary	SINGLE							
	Fan Motor Output	W	34			80				
	Cooling - (Sound Pressure) (H) at 1m distance	dB(A) (@spl)	54	54	55.5	58.5		61		
	Cooling Sound Power (H)	dB(A)	67.1	66.4	69.1	66.9	65	66.4	69.1	
	Cooling Usable Temperature Range	Celsius	16~30							
	Heating Usable Temperature Range	Celsius	-15~24							
PIPE SIZE	Liquid Line Ø/Gas Line Ø	mm	6.35 / 9.52	PC1438		6.35 / 12.7	PC1412	6.35 / 15.9	PC1458	
	Coupler Style		Flare Joint							
	Minimum Length	m	3							
	Maximum Length	m	25			30		50		
	Pre-Charge Length	m	15							
	Maximum Height Difference (Above/Below)	m	10			20		25		

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AMBI