



Electric range

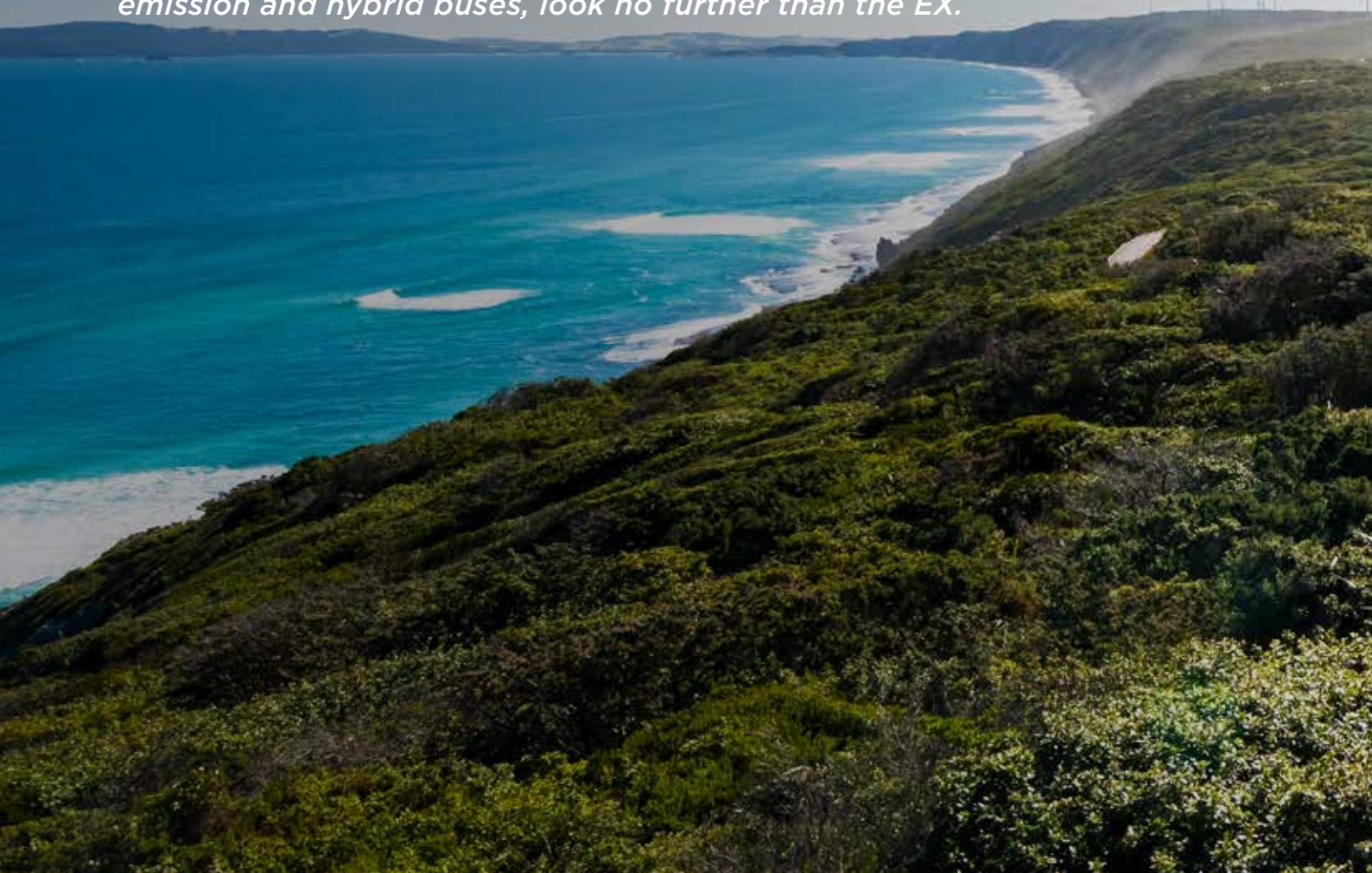
Zero emission range

A breath of fresh air...

Coachair's EX range of units are designed in Australia for Australia's conditions and varied temperatures. Our all-electric air-conditioning units utilise market-leading technology and, with up to 50% less power consumption, can offer significant power savings.

With capacity options to suit your operational requirements, from 8 metre up to 14.5 metre buses, it is the only full electric unit in Australia that has 100% DC voltage driven components.

Delivering the largest capacity for the lightest weight, it is the most power-efficient HVAC system within its class in the Australian market. It is also the only HVAC featuring a twin DC compressor system that gives 50% refrigeration redundancy. For a superior HVAC solution for zero-emission and hybrid buses, look no further than the EX.







EX20 Electric Air-Conditioner



Designed for smaller 7-8.5 metre buses and trams



Cooling Capacity: 21Kw



Heating capacity in heat pump (reverse cycle) - 20 Kw



Options for standard coolant heater, reverse cycle or PTC heating



Multiple controller options



High airflow- 4000m3/h



Evaporator and condenser coils - Rifle bore copper. Not Aluminium



EBM Brushless condenser motors - Variable speed



EDM Brushless evaporator motors - Variable speed



Electronic expansion valves not mechanical for precise temperature control



Use two DC variable speed scroll compressors for low weight and no vibration. Power saving up to 60%

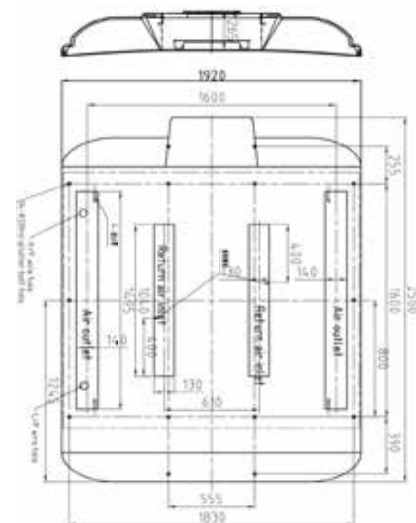


Lightweight at 170kg



CAN control system

Cooling Capacity	18000 Kcal/h / 21kw / 71000BTU	
Heating Capacity (Optional)	17,200 Kcal/h / 20kw / 68000BTU	
Input Voltage Range (Main Power Line)	DC400V-DC720V	
Input Voltage Range (Control System)	DC-24V 5A	
Rated Power Consumption	6.5 Kw	
Refrigerant	R407c/3.6 kg	
Compressor	Model	Electric variable - frequency compressor
	Oil Type	HAF68
Evaporator	Type	Copper Pipe and Aluminium foil - Ultra lightweight
	Air Flow	4,000M3/H
	Fan Motor	7-speed centrifugal type EBM Brushless Blower
Condenser	Type	Copper Pipe and Aluminium foil - Ultra lightweight
	Air Flow	6,000m3/h
	Fan Motor	Axial type Brushless Fan
Expansion Valve	Electronic expansion valve Danfoss ETS6-18	
Control Panel	Control Panel with Fault Code Display	
Control System	CAN bus control system with 7 speed air flow adjusting module	
AC Size in mm (L x W x H) / Weight	2500x1920x265 mm / 170.0kg, Ultra-lightweight	
Application	7-8.5 metre Pure Electric Bus, Trolley bus, Tram, New Energy bus and Hybrid Bus	





EX26 Electric Air-Conditioner



Designed for 10-14 metre Buses and Coaches



Cooling capacity - 26Kw



Heating 24Kw



Options for standard coolant heater, reverse cycle or PTC heating



Multiple controller options



Highest airflow- 6,000m³/h



Evaporator and condenser coils - Rifle bore copper. Not Aluminium



Brushless condenser motors - Variable speed



EBM brushless evaporator motors



Electronic expansion valves not mechanical for precise temperature control



Use two DC variable speed scroll compressors for low weight and no vibration. Power saving up to 60%

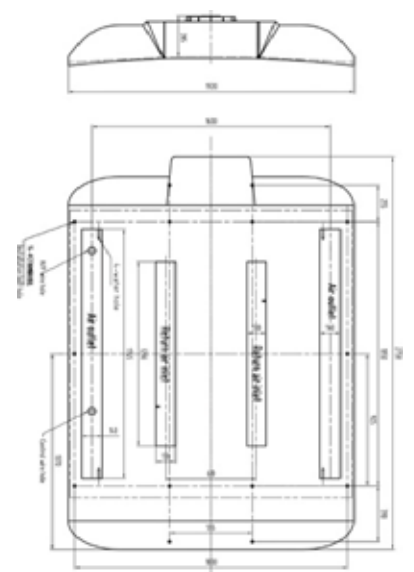


Lightweight 210kg



CAN control system

Cooling Capacity		26,000K cal/h / 26kw / 104,000BTU
Heating Capacity (Optional)		20,600K cal/h / 24kw / 82,000BTU
Input Voltage Range (Main Power Line)		DC400V - DC720V
Input Voltage Range (Control System)		DC-24V 5A
Rated Power Consumption		8.0Kw
Refrigerant		R407C / 3.6kg
Compressor	Model	Electric Variable Frequency Compressor
	Oil Type	HAF68
Evaporator	Type	Copper Pipe and Aluminium Foil
	Air Flow	6,000M3/H
	Fan Motor	7-Speed Centrifugal Type EBM Brushless Blower
Condenser	Type	Copper Pipe and Aluminium Foil
	Air Flow	8,000m3/h
	Fan Motor	Axial Type Brushless Fan
Expansion Valve		Electronic Expansion Valve Danfoss
Control Panel		Control Panel with Fault Code Display
Control System		CAN BUS Control System With 7 Speed Air Flow Adjusting Module
AC Size in mm (L x W x H) / Weight		2750 x 1920 x 285 / 200kg
Application		Pure Electric Bus, Trolley Bus, New Energy (Hydrogen) Bus, Hybrid Bus, & Tram



EX32 Electric Air-Conditioner



Designed for 10-14 metre Buses and Coaches



Cooling capacity - 32Kw



High heating capacity in heat pump (reverse cycle)- 30Kw/ 40Kw (water heater coils)



Hybrid options for standard coolant heater, reverse cycle or PTC heating



Multiple controller options



Highest airflow- 8000m3/h



Evaporator and condenser coils - Rifle bore copper. Not Aluminium



EBM Variable speed brushless condenser motors



Brushless evaporator motors - Variable speed



Electronic expansion valves not mechanical for precise temperature control



Use two DC variable speed scroll compressors for low weight and no vibration. Power saving up to 60%



Lightweight at 230kg

Cooling Capacity		32,000K cal/h / 32kw / 110,000BTU
Heating Capacity (Optional)		26,000K cal/h / 30kw / 102,000BTU
Input Voltage Range (Main Power Line)		DC300V - DC720V
Input Voltage Range (Control System)		DC-24V 5A
Rated Power Consumption		10.0Kw
Refrigerant		R407C / 5.2kg
Compressor	Model	Electric Variable Frequency Compressor
	Oil Type	HAF68
Evaporator	Type	Copper Pipe and Aluminium Foil
	Air Flow	8,000m3/h
	Fan Motor	7-Speed Centrifugal Type EBM Brushless Blower
Condenser	Type	Copper Pipe and Aluminium Foil
	Air Flow	10,000m3/h
	Fan Motor	Axial Type Brushless Fan
Expansion Valve		Electronic Expansion Valve Danfoss
Control Panel		Control with Fault Code Display
Control System		CAN BUS Control System With 7 Speed Air Flow Adjusting Module
AC Size in mm (L x W x H) / Weight		3000 x 1920 x 270 / 230kg
Application		Pure Electric Bus, Trolley Bus, New Energy (Hydrogen) Bus, Hybrid Bus, & Tram



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