



ecolite

AIR COOLED

Ecolite Packaged Units



temperzone
climate innovations

ecolite

Ecolite Air-Cooled Package

●
Heating Capacity
25kW - 49kW

●
Cooling Capacity
28kW - 57kW



Features

ecolite



Fixed Speed Compressors
Delivers capacity as a single stage. OPA 441-551 two stages with BMS control.



EC Plug Fan
High static plug fans that can be externally controlled via 0~10VDC or BMS command



Variable Speed Fans
Axial Condenser fans with variable speed setting



Low GWP Refrigerant
R32 refrigerant has a significantly lower GWP than R410A



Intelligent Unit Controller
Ensures the unit runs at its optimum efficiency and provides system operation data



Wide Temperature Operating Range
From -10°C to +50°C ambient



EEV Systems
EEV offers optimum control of superheat for effective control



Economy Cycle
Optional economy cycle and fresh air for reduced power consumption in shoulder seasons



BMS
*BACnet™ or Modbus via RS485 (or TCP/IP option)

*BACnet is an optional accessory



Corrosion Resistant Design
Marine grade pretreatment and polyester powder coated galvanised steel, inside and out



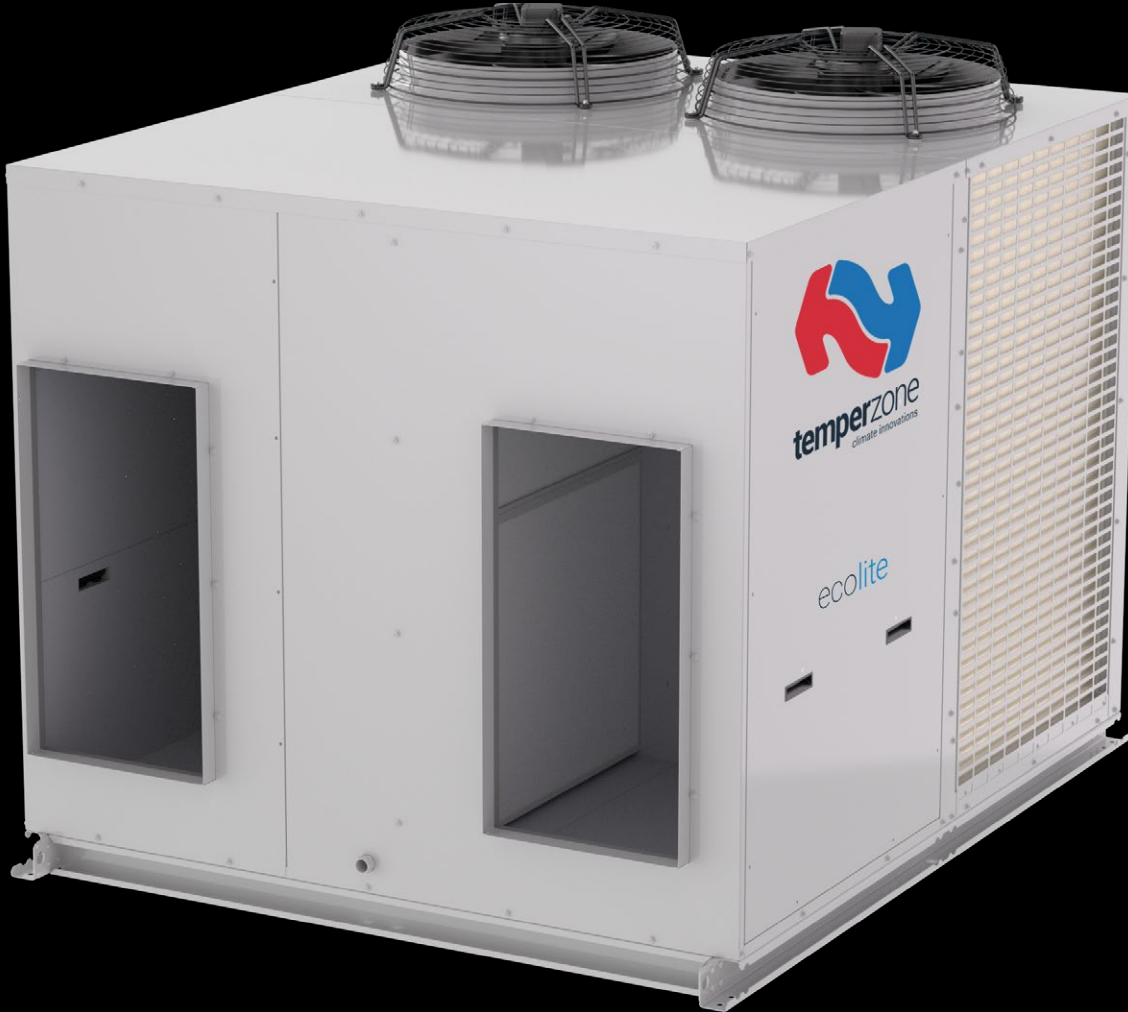
Epoxy Coated Coil
Epoxy coated coil protection for superior corrosion resistance



Foam Insulation
Closed cell foam insulation ensuring no particles are introduced into the air stream

Ecolite Packaged units
(28kW - 57kW)

R32



Lower Global Warming Potential Air Conditioning

Lower global warming potential

With a smaller refrigerant charge and a GWP of 675*, OPA Ecolite R32 refrigerant units result in a 72-80% reduction in overall GWP per kW of cooling or heating when compared to R410A systems (GWP 2088*).

Reducing future costs

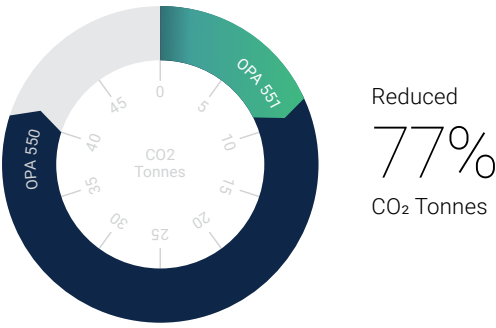
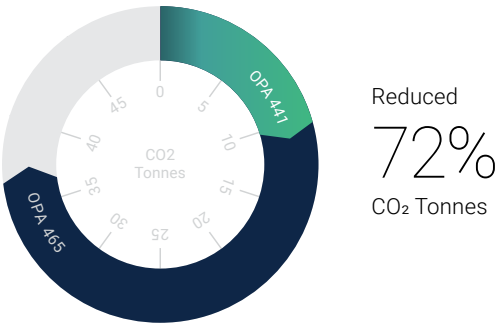
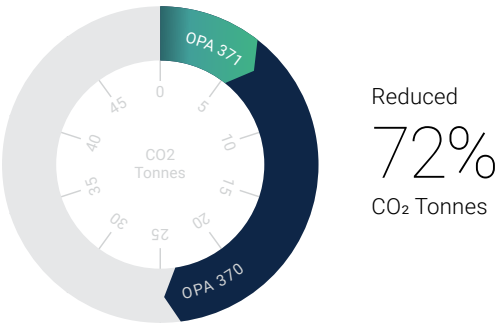
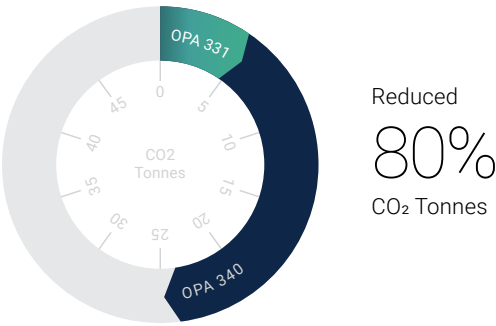
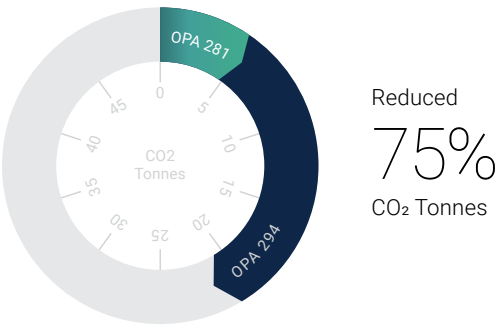
As higher GWP refrigerants face increasing cost due to emissions tax levies the specification of R32 systems will represent a significant reduction in the future costs associated with owning and maintaining these systems.



*AR4 Standard

Potential Carbon Emissions attributed to refrigerant (CO₂ Tonnes)

- Older Model
- Ecolite



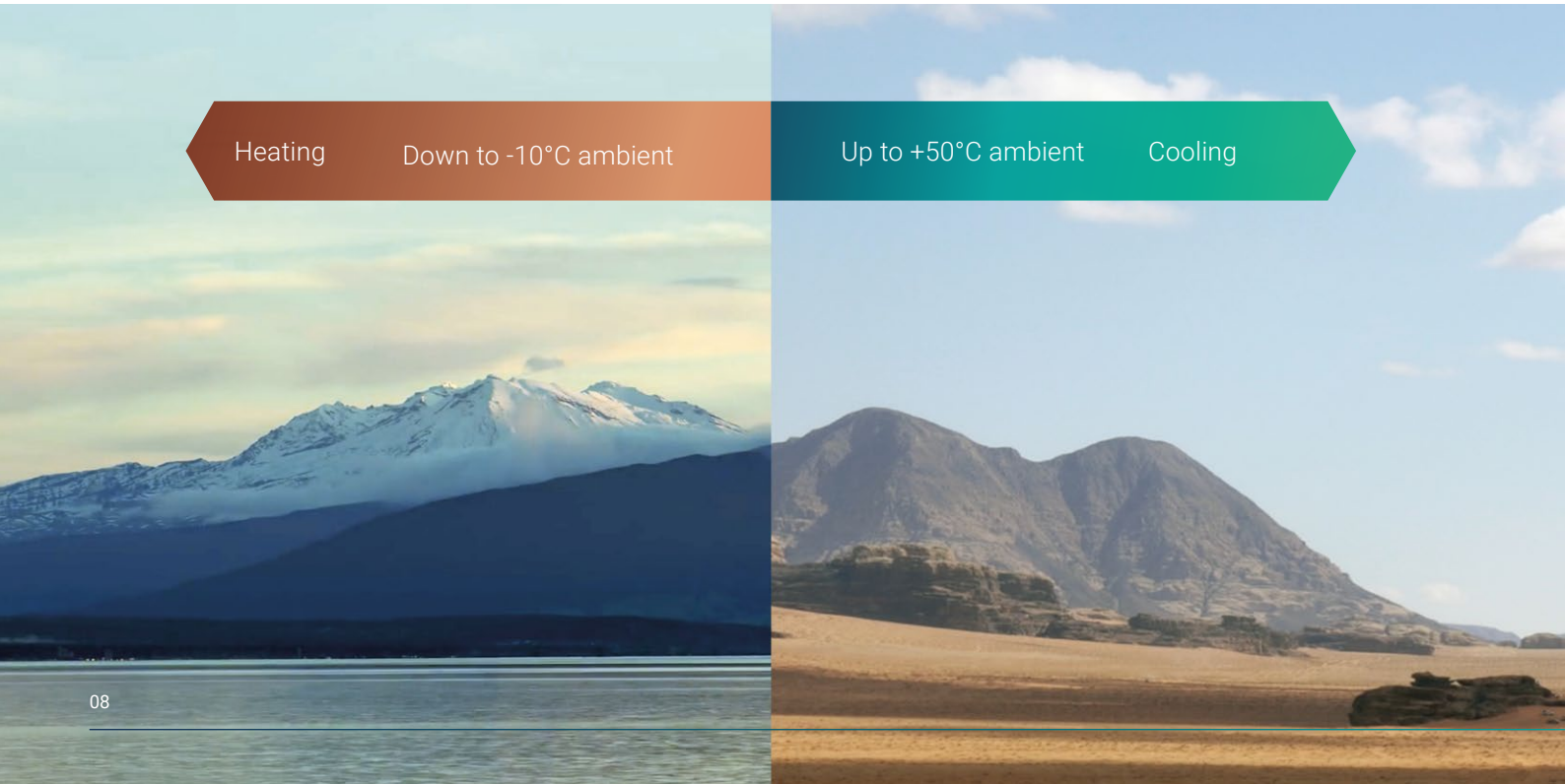
Handing Options

Ecolite units are available in horizontal airflow as standard or opposite hand only



Extreme weather operation

Designed for the harshest conditions these R32 packaged units are designed to operate in ambient temperatures from -10°C to 50°C to ensure you're always comfortable, whatever the weather.



Control Options



InnoTouch controller*, a modern wall-mounted interface designed to elevate usability and system management across a wide range of Temperzone units.

Developed with a focus on simplicity and practicality, the innoTouch controller delivers a fast, smartphone-like interface that allows users to effortlessly manage temperature settings, modes, and schedules.

Backwards compatible with most systems with Temperzone's UC8 controller.

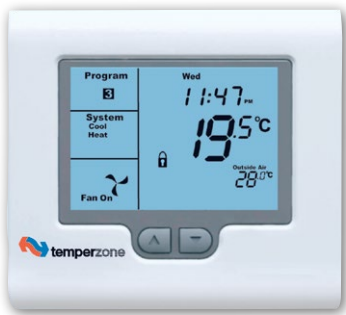


***Not compatible with economiser control if required**

Features	
Full colour touchscreen display	Dead Band settings
7-day / 365-day scheduling	Onboard temperature sensor with optional remote sensor
Multiple modes including Cool, Heat, Fan Only and Dual set point	Fault codes and system error logs for quick diagnostics
User access management with PIN-code protection	Service timers and maintenance reminders
Ability to lock settable functions	Three-speed indoor fan control and Auto
Configurable override timer	Auto-restart functionality after power failure

TZT-100

Temperzone's TZT-100 thermostat is an advanced controller suited to commercial environments. It delivers comprehensive control for your system not available with other thermostats.



Features	
Modes – cool / cool-dry / heat / auto-dry / auto	Remote sensor inputs
Set airflow - auto / low / med / hi (customisable)	Programmable occupancy inputs
Key board and temperature locks	On demand override count down timer up to 12hrs
7 Day programmable time clock	Filter monitor option (by hours)
Set temperature: 5°C to 50°C at 0.5°C increments	Continuous or Intermittent fan operation

Ecolite OPA Specifications



Model	OPA 281	OPA 331	OPA 371	OPA 441	OPA 551
Total (Gross) Capacity kW*					
Cooling	28.8	34.1	38.2	46.2	56.8
Nett (Rated) Capacity kW*					
Cooling	28.2	33.0	37.0	45.1	54.7
Heating	25.3	29.8	36.2	41.6	48.7
EER/COP*					
EER / AEER * Cooling	3.43 / 3.42	3.28 / 3.26	3.22 / 3.20	3.44 / 3.42	3.28 / 3.26
COP / ACOP * Heating	3.65 / 3.63	3.46 / 3.43	3.53 / 3.50	3.77 / 3.74	3.43 / 3.42
Power					
Power Supply	3 Phase 400 V a.c. 50 Hz + N + E				
Running Amps (A/ph)	13.5 / 14 / 16.5	19.5 / 15.5 / 16	17 / 17.5 / 22	20 / 21 / 26	26 / 25 / 31
Max Amps (A/ph.)	17.5 / 18 / 21	24 / 19.5 / 20	23 / 24 / 28	27 / 28 / 32	34 / 33 / 40
Unit Controllers					
Controller	UC8 (x1)		UC8 (x2)		
Ambient Operating Range					
Cooling / Heating (°C)	-10 ~ 50 / -10 ~ 20				

Model	OPA 281	OPA 331	OPA 371	OPA 441	OPA 551
Compressor					
Type	Fixed Scroll (x1)			Fixed Scroll (x2)	
Refrigerant	R32				
Fans					
Indoor	Backward Curved EC Plug				
Airflow (l/s)					
Nominal**	1400	1850	1910	2470	3260
Range	820 ~ 2230	1100 ~ 2290	1080 ~ 2290	1380 ~ 3520	2010 ~ 3750
Noise Data***					
SPL @ 3 Metres (dBA)	59.2	68.0	63.0	60.5	61.6
Overall Dimensions (mm)					
Length	1750	1900	1900	2340	2340
Width	1486	1671	1671	1950	1950
Height	1572	1567	1567	1835	1994
Weight (kg)					
Nett	456	491	524	740	825
Shipping	499	544	577	778	863

Notes: * To AS/NZS 3823 conditions
 ** Supply Airflow at Nominal Conditions
 *** Sound Pressure Level (SPL) in decibels re 20 µPa



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