



THERMO KING

KCS Range

New range of high performance, adaptable HVAC systems designed for Australia



KCS range features-

- Stylish, aerodynamic, one piece-lightweight design
- 'Total' installation flexibility- with adaptive side air intakes
- Premium brushless fans, reduce noise levels & enhanced customer comfort
- Improved Condenser & Evaporator coils improves performance.
- Ultra high performance with premium KCS Tropic model
- ETV- Electronic Throttling Valve uses variable stepper motor technology
- Superior temperature control.
- Significant fuel savings
- R134a standard or Tropic option uses R407c refrigerant



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BUS

A U S T R A L I A



KCS SPECIFICATIONS



KCS Range		Specifications	KCS	KCS Tropic
Compressor	X430	Rated Heated Capacity (kW)	30	30
Weight (kg)	195	Max Cooling Capacity (kW)	43	45
Length (mm)	3,855	Rated Cooling Capacity (kW)	33	36
Width (mm)	1,900	Evaporative Air Flow (m3/h)	5,600	5,600
Height (mm)	225	Refrigerant	R134a	R407c
Current (A)	117			



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SUPERIOR TEMPERATURE CONTROL



Thermo King's unique new ETV- Electronic Throttling Valve outperforms conventional compressor unloader or mechanical EPR valves . It combines features of both to seamlessly control compressor capacity through variable stepper motor technology.

Key benefits:

- ETV constantly gives variable capacity from 20% up to 100% in multiple stages
- ETV controls cooling capacity accurately according to demand, monitors outside/inside temperature as well as supply air duct temperature and reduces the need for hot water heating around set point.
- Fuel savings of up to 3 litres/100km when comparing ETV versus conventional units with EPR in back to back testing
- High pressure compressor protection – valve opens gradually on start up preventing sudden massive load on compressor in hot start situations
- Specifically developed to be used in conjunction with TK's proven X430 compressor
- Integrates with TK CanAire advanced CAN based control system that can be integrated with chassis/body systems
- Retro fit option to earlier CanAire equipped TK units



Energy efficient design

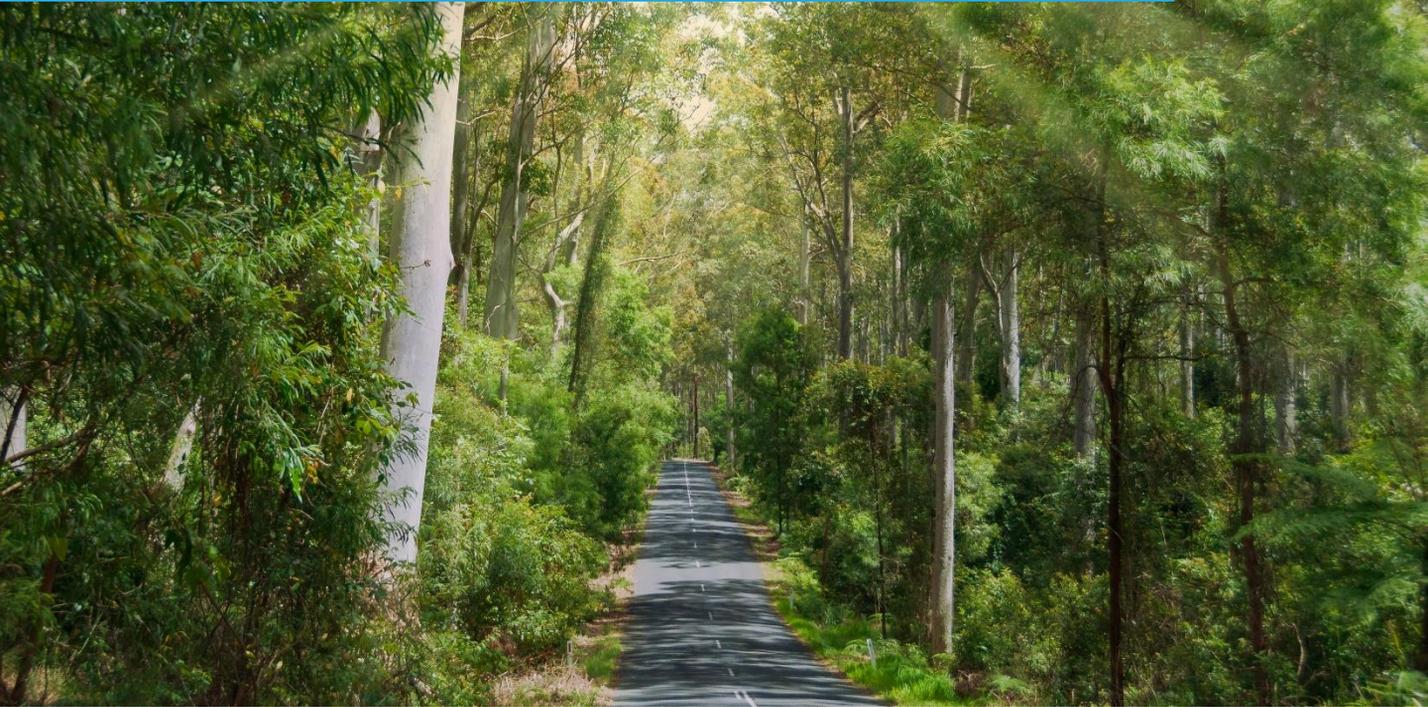


REDUCED POWER
CONSUMPTION



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THERMO KING- WITH YOU FOR THE ROAD AHEAD



RELIABILITY

Thermo King products are built to last. We only use premium components that have been rigorously tested and certified in-house to ensure your Thermo King HVAC unit delivers the reliability you demand.

Continuous functional and performance tests are conducted to various ambient and load conditions to simulate the most demanding environments. 3D multi-axial vibration and twist profile stress tests provide the confidence that your unit will last for decades to come.

The Thermo King manufacturing plant is ISO 9001: 2008, ISO 14001: 2004 and BS OHSAS 18001: 2007 accredited which demonstrates dedication to quality and reliability.

ENVIRONMENTAL IMPACT

Thermo King HVAC units are designed with the very best components that use less energy, use less fuel and are often lighter than other systems.

Our HVAC systems are manufactured and installed using the very best materials to avoid any troublesome leak points at connections. Environmental friendliness is further enhanced with all units designed to operate with A1 classified non-flammable refrigerants.

LOW NOISE

As a standard solution, the KCS range use ultra-efficient, long life, maintenance free fans and blowers.

The brushless blower and fans use special pitched fan blades that deliver industry best, low noise and even airflow throughout the bus or coach for enhanced comfort.



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THERMO KING BUS AUSTRALIA

Thermo King Bus Australia, is an Australian owned company dedicated to providing the highest quality air-conditioning solutions for bus and coach applications. As the National authorised Thermo King Bus HVAC Dealer, Thermo King Bus Australia provides nationwide sales, service and parts support for bus & coach HVAC in Australia.



24/7 EMERGENCY ASSISTANCE

1800 852 472

THERMO KING DEALER NETWORK

All Thermo King unit owners have access to our nationwide dealer and service network to minimise cost of ownership and maximise uptime.

- ❄ National service locations in every Australian state
- ❄ Non stop service & technical support 24/7/365
- ❄ Direct telephone access
- ❄ Trained service agents in Regional Australia
- ❄ Fully equipped mobile service fleet
- ❄ Fully trained & qualified Thermo King CERTI-TECH technicians

Worldwide Service Organization

Thermo King backs its equipment and customers with a highly trained, worldwide organization. This assures you the support of the factory authorized service and shop facilities, a stock of factory parts and factory trained mechanics.

Warranty Summary

Terms of the Thermo King Limited Express Warranty are available upon request. Basic unit is warranted to be free from defects in material and workmanship for a period of two years from date in service. Warranty covers parts and labor only.

Manufacturer is not responsible and will not be held liable in contract or tort (including negligence) for any special, indirect or consequential damages including, but not limited to, injury or damage caused to vehicles, contents or persons, by reason of the installation or use of any Thermo King product or its mechanical failure.



COMFORT FOR YOUR CUSTOMERS,
SAFETY FOR YOUR BUSINESS.