

 **THERMO KING**
TRANSIT

block,
after block,
after block,
reliability is king!



ASR-160

a new generation of total
climate control systems

ARTICULATED BUSES



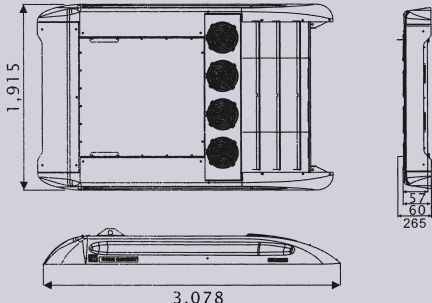
ASR 160

Specifications



Articulated city bus rooftop system complete with high-capacity, total climate control solution.

- Lightweight, one-piece design for easy installation
- Environmentally friendly R-134a refrigerant
- **ClimaAIRE™ II** advanced control system
- Featuring Thermo King's NEW S616 Screw Compressor

DESCRIPTION	The ASR-160 is a lightweight, high-capacity rooftop system for articulated buses. The ASR-160 consists of two rooftop units, one compressor (S616) and one controller capable of controlling the entire system. This low-profile, compact system is available as cool only or heat/cool. The ASR-160 configuration is an environmentally friendly solution that also offers superior performance.		
CONTROLS	The ClimaAIRE™ II Control System is Thermo King's newest computerised control system. It provides the driver simple, but total control of the vehicle's internal environment. Provided also is safety shutdown with red light indication. The ClimaAIRE™ II diagnostic feature provides compressor and system hourmeters for precise preventative maintenance. The system shuts down to prevent costly failure. A yellow alarm indicator and a record of alarm codes aid in troubleshooting and repair.		 
SYSTEM COOLING CAPACITY	Maximum Capacity: Model S616 BTU/hr 184,170 kW 54 Kcal/hr 46,400	Rated Capacities: BTU/hr 160,300 kW 47 Kcal/hr 40,400	Rated capacities are at following conditions: Outside 35°C/95°F Inside 27°C/80°F DB 19°C/67°F WB
SYSTEM HEATING CAPACITY	At 30 Lt. /Min.(8 GPM) coolant flow rate and 38°C (100°F) temperature differential between return air and coolant. BTU/hr 206,000 kW 60.4 Kcal/hr 52,000		
EVAPORATOR AIRFLOW	At 0 mm (0 in.) water column external static pressure High Speed 10,800 m³/hr (4,300 ft³/min)		
REFRIGERANT	• HFC R-134a		
COMPRESSORS	• Thermo King Model S616 Screw		
ELECTRIC MOTORS	Evaporator 8 motors 0.43 HP, 3600 RPM (Brush or Brushless option) Condenser 6 motors 0.35 HP, 2800 RPM		
ELECTRIC POWER REQUIREMENTS	• 202 amps at 27V dc		
WEIGHT (approximate)	ASR-160 340 kg (748lbs.) Compressor S616 77 kg (170lbs.)		
DIMENSIONS millimeters (inches)			
WORLDWIDE SERVICE ORGANISATION	Thermo King Transit backs its equipment and customers with a highly-trained service organisation. This assures you the support of factory authorised service facilities and 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 in an authorised TK workshop.		

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Specifications are subject to change without notice.

