



to more than cope, reliability is king!



ASR-140

a new generation of total  
climate control systems

ARTICULATED BUSES



# ASR 140 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

<b>DESCRIPTION</b>	The ASR-140 is a lightweight, high-capacity rooftop system for articulated buses. The ASR-140 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-140 configuration is an environmentally friendly solution that also offers superior performance.		
<b>CONTROLS</b>	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.		
<b>SYSTEM COOLING CAPACITY</b>	<b>Maximum Capacity:</b> <b>Model S616</b> BTU/hr 157,000 kW 46 Kcal/hr 39,600	<b>Rated Capacities:</b> BTU/hr 133,000 kW 39 Kcal/hr 33,562	<b>Rated capacities are at following conditions:</b> Outside 35°C/95°F Inside 27°C/80°F DB 19°C/67°F WB
<b>SYSTEM HEATING CAPACITY</b>	At 30 Lt. /Min.(8 GPM) coolant flow rate and 38°C (100°F) temperature differential between return air and coolant. BTU/hr 191,000 kW 56 Kcal/hr 48,200		
<b>EVAPORATOR AIRFLOW</b>	At 0 mm (0 in.) water column external static pressure High Speed 7,300 m³/hr (4,300 ft³/min)		
<b>REFRIGERANT</b>	• HFC R-134a		
<b>COMPRESSORS</b>	• Thermo King Model S616 Screw		
<b>ELECTRIC MOTORS</b>	Evaporator 8 motors 0.43 HP, 3600 RPM (Brushless) Condenser 6 motors 0.35 HP, 2800 RPM		
<b>ELECTRIC POWER REQUIREMENTS</b>	• 158 amps at 27V dc		
<b>WEIGHT (approximate)</b>	ASR-140, 1000 262 kg (578lbs.) ASR-140, 1004 282 kg (622lbs.) Compressor S616 77 kg (168lbs.)		
<b>DIMENSIONS</b> millimeters (inches)			
<b>WORLDWIDE SERVICE ORGANISATION</b>	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.		
<b>WARRANTY SUMMARY</b>	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.

