



Air Conditioning Electric

ACE 234DLS Series



High Performance Electric Roof-mounted HVAC

Breakthrough Technology

ACE systems are the first production systems to move from mechanical compression systems to electric scroll compression in the transit bus market. Beyond the efficiency benefits, these systems allow for containing the refrigerant loop and providing a more even cooling capacity across all vehicle operations.

Known as the “Stacked” unit, this model has been a favorite choice for hybrid buses and installations with limited roof space or roof side walls.

Complete System

The ACE234DL “S” (stacked) takes all of the technology and features of the standard profile system and packages it into smaller footprint system. It comes complete with integrated scroll compressors, 3-phase blower and fan motors, electronics and microprocessor controls.

“DL” (Dual loop) models are a patented design operating with balanced 50% or 100% capacity while reducing parasitic loads by more than 50% when compared to traditional bus HVAC systems. These dual loop systems offer redundancy in the field.

“G” packages offer integration of a power generation package. An air-cooled synchronous a.c. generator is belt driven off the main engine. Other related components include frequency and voltage regulation, safety protection and more. (This design is available as an ACE234DLS in various fixed voltages for installations with an onboard power source.

Optional Accessories

- Integrated Pressure Transducers
- Digital keypad display/controller
- J1939 Control
- Electric Heat



Features

- ✓ Electric scroll compressor technology
- ✓ Hermetic refrigerant circuit contained to A/C housing
- ✓ All new 3-phase blowers and fans
- ✓ Dual redundant refrigerant loops

Applications

- ✓ 30-45 ft Transit Buses, especially with limited roof space
- ✓ ACE234DLS: Hybrid buses with onboard power source for HVAC
- ✓ ACE234DLGS: Buses without onboard power source for HVAC.

Specifications

Dimensions (h/w/l):	14.25/76.00/100.00 (inches)
Weight:	875 lbs. (app. with compressors)
Cooling Capacity:	96,000 BTU
Heating Capacity:	100,000 BTU's (glycol)
Opt. Electric Heat:	9-12 kW via resistance heating
Refrigerant:	R-134a Standard (R407C optional)
Supply Voltage (a.c.):	50-3-380/420 (standard-“G” model)
Opt. Supply Voltage:	50-3-200/220, 60-3-200/230, 60-3-460
Power Consumption:	27.1 amps@460VAC 10.0 amps@24VDC



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