



## *Athenia AMII E-800/E-700*

*All-Electric, hermetically sealed rooftop units for hybrid bus, battery bus trolley bus, and alternator-powered applications.*



TRANE  
TECHNOLOGIES

# TAKE ADVANTAGE OF THE BENEFITS OF ALL-ELECTRIC HVAC

## ATHENIA AMII E-800/E-700 ALL-ELECTRIC HVAC

- Saves fuel by eliminating the effect of variable engine RPM on load and demand
- Optimum A/C unit capacity at all bus speeds
- Integrated electric compressors with microprocessor control
- All metal motors and housings
- Dramatically improved reliability
- Reduced number of maintenance items
- Energy-efficient R-407C refrigerant
- No tubing or hoses needed



*Electric heat with all-metal blower housing and motors - the safest, most reliable and most efficient solution available!*

## STANDARD FEATURES

Why pay for more than you want. Thermo King provides the standard features designed to meet your needs.

### INTELLIGIAIRE III® CONTROL SYSTEM

- Expanded CAN communications capability
- Plugs directly into J1939 network to make more info available
- Eliminates the gateway module required between bus & unit controllers
- Eliminates need for expansion modules external to controller where multiple zones must be controlled independently
- 12KW electric resistance heat (E-800)
- 10KW electric resistance heat (E-700)



### LONG LIFE BRUSHLESS MOTORS

- Integral electronics
- 10% greater airflow
- Maintenance-free
- Programmable variable speed
- 40,000-hour bearings



ALSO AVAILABLE WITH ALTERNATOR POWER FOR STANDARD DIESEL AND CNG BUSES



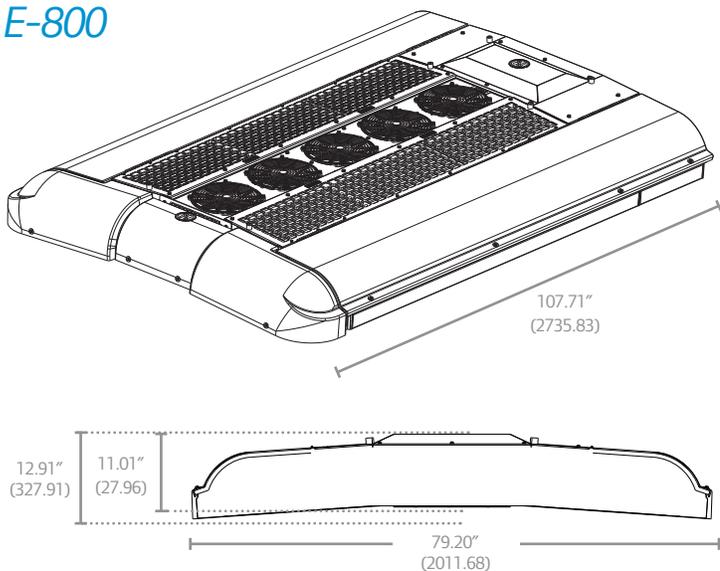
Power Electronics for Alternator Powered All-Electric HVAC

# SPECIFICATIONS

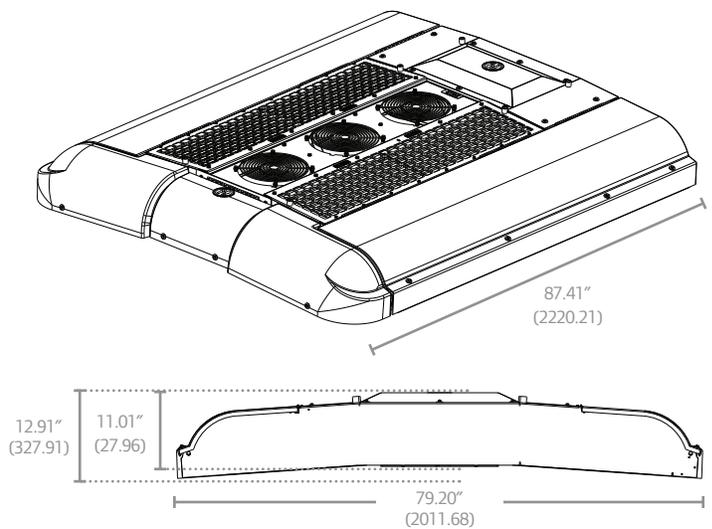
SYSTEM COOLING CAPACITY (RATED CAPACITIES)		ATHENIA AM II E-800	ATHENIA AM II E-700
BTU/hr		76,000	62,000
kW		22	18
Kcal/hr		19,152	15,624
Rated capacities are at following conditions:			
Outside	35°C/95°F		
Inside	27°C/80°F DB      19°C/67°F WB		
SYSTEM HEATING CAPACITY - ELECTRIC RESISTANCE			
BTU/hr		41,000	34,000
kW		12.0	10.0
Kcal/hr		10,332	8,568
EVAPORATOR AIRFLOW			
(0 in. water column external static pressure)			
High Speed		3,200 ft <sup>3</sup> /min	2,150 ft <sup>3</sup> /min
REFRIGERANT			
		HFC R-407C	R-407C
POWER CONSUMPTION @ 27 VDC			
		120 Amps (Maximum)	85 Amps
COMPRESSOR POWER CONSUMPTION @ 230-3-60			
		8.6 Kw@ 55°F Evaporator 150°F Condenser	8.6 Kw
WEIGHT			
		675 lbs (306 kg)	610 lbs (277 kg)

## DIMENSIONS

### E-800



### E-700



### WORLDWIDE SERVICE ORGANIZATION

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

### WARRANTY SUMMARY

Terms of the Thermo King Warranty are available on request from your local Thermo King dealer. Please reference document TK50049 for the Thermo King Bus Unit Warranty.



Thermo King – by Trane Technologies (NYSE: TT), a global climate innovator – is a worldwide leader in sustainable transport temperature control solutions. Thermo King has been providing transport temperature control solutions for a variety of applications, including trailers, truck bodies, buses, air, shipboard containers and railway cars since 1938. For more information, visit [thermoking.com](http://thermoking.com) or [tranetechnologies.com](http://tranetechnologies.com).

