

AMII 960 & AMII 1000

Rooftop HVAC System for Transit

The AMII 960/1000 units are low-weight, high-performance roof mount systems, offering a wide range of comfort cooling and heating, redefining passenger comfort. The easy-to-install one-piece design fits CNG and diesel buses.



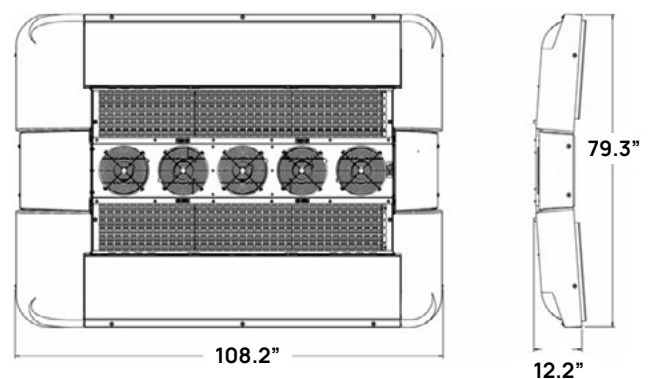
STANDARD FEATURES

- IntelligAIRE® III control system
- Thermo King X430/X640 reciprocating or S391/S616 screw compressors
- High performance R-407C or R-134a
- Electronic capacity control
- Motorized water valve
- Long life brushless motors

OPTIONAL FEATURES

- IntelligAIRE® III electronic pressure display module
- Return air grille
- Damper-controlled fresh air module offerings

DIMENSIONS



AMII 960 & AMII 1000 SYSTEM PERFORMANCE

	AMII 960		AMII 1000	
SYSTEM COOLING CAPACITY (RATED CAPACITY)				
BTU/hr	92,000		113,000	
kW	27.0		33.1	
Kcal/hr	23,183		28,476	
Capacity Rating Conditions (both units)	Outside: 35°C/95°F Inside: 27°C/80°F DB 19°C/67°F WB			
SYSTEM HEATING CAPACITY				
At 30 L/Min (8 GPM) coolant flow rate and 55°C (100°F) temperature differential between return air and coolant				
BTU/hr	115,000		115,000	
kW	33.7		33.7	
Kcal/hr	29,040		29,040	
EVAPORATOR AIR FLOW				
0 in. water column external static pressure				
High Speed	3,200 ft^3/min		3,200 ft^3/min	
Medium Speed	1,900 ft^3/min		1,900 ft^3/min	
Low Speed	1,350 ft^3/min		1,350 ft^3/min	
CONDENSER AIR FLOW				
Variable Speed	6,000 ft^3/min (max)		6,000 ft^3/min (max)	
EVAPORATOR MOTOR/FAN				
Type	Brushless		Brushless	
Expected Life	40,000 hrs		40,000 hrs	
CONDENSER MOTOR/FAN				
Type	Brushless		Brushless	
Expected Life	40,000 hrs		40,000 hrs	
COIL COATING	Water-based lacquer coating		Water-based lacquer coating	
POWER CONSUMPTION @ 27 VDC	120 amps		120 amps	
REFRIGERANT	HFC R-134a		HFC R-407C	
UNIT WEIGHT	470 lbs (213 kg)		470 lbs (213 kg)	
UNIT DIMENSIONS (LxWxH)	108.2" x 79.3" x 12.2"		108.2" x 79.3" x 12.2"	
COMPRESSOR PERFORMANCE	X430	X640	S391	S616
Type	Reciprocating	Reciprocating	Helical Lobed Screw	Helical Lobed Screw
Operating Speed	800-3,000 RPM	800-3,000 RPM	500-3,000 RPM	500-3,000 RPM
Clutch Power Consumption @ 24 VDC	2.5 amps	2.5 amps	2.5 amps	2.5 amps
Weight	115 lbs (52 kg)	183 lbs (83 kg)	147 lbs (67 kg)	171 lbs (77 kg)
Dimensions (LxWxH)	16.6" x 13.8" x 17.1"	16.3" x 16.8" x 17.2"	18.4" x 13.9" x 16.1"	18.4" x 13.9" x 16.1"
Both units are available with all listed compressors				
WARRANTY				
Standard	24 months, unlimited hours - parts and labor			
Extended	Contact your local Thermo King dealer for terms			



TRANE
TECHNOLOGIES

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