

# Standard Series (AS) Air Conditioners



Proudly Engineered,  
Tested / Listed,  
and Manufactured  
in the USA



VoltAire Systems **AS Series** Air Conditioning Units are designed for high efficiency and high performance heat management of electronic enclosures or equipment.

## Standard Features

- UL 484 Listed
- UL Type 4 Enclosure Listed
- High efficiency rotary compressor
- Coated condenser coil (>6,000 hr salt spray)
- R134a refrigerant for high ambient operation
- RoHS Compliant
- Acrylume corrosion resistant cabinet
- Stainless steel exterior hardware
- Stainless steel base and evaporator pan
- Sloped top
- 6' power cord with plug
- Electrical system with standard off-the-shelf components found at most HVAC parts stores
- Temperature control board with LED status lights, adjustable settings for temperatures and alarms, self-test, and remote temperature sensor



Website:  
[www.voltairesys.com](http://www.voltairesys.com)

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2900 W. Orange Ave. Ste. 100  
Apopka, FL 32703

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## Optional Features

- Condenser fan intake filter
- Custom paint finishes
- Stainless steel enclosure (UL Type 4X Enclosure)
- Optional Heat - 500W, 750W or 1000W (subject to unit size)
- Compressor crank case heater
- Ethernet controller with digital display
- Condensate heater/evaporator (field installed)
- Low ambient cooling/head pressure control

## Applications

- Indoor or outdoor cabinets
- Network switching rooms and computer rooms
- Automation control cabinets, process control centers
- CNC machines
- Drive cabinets
- Digital advertisement boards, kiosk display systems
- Power supply cabinets, battery cabinets and rectifier cabinet

## Technical Data

Model	AS02		AS04		AS06		AS08		AS10	AS12
<b>Performance at 131°F / 131°F</b>										
Nominal Capacity (BTU)	2,000		4,000		6,000		8,000		10,000	12,000
Operation Range (°F / °C)	-40 to 131 / -40 to 55									
<b>Electrical Data</b>										
Voltage Input (VAC)	115	230	115*	230	115	230	115	230	230	230
MCA (Amps)	6.5	2.8	14.8*	5.3	10.2	5.3	16.4	8.7	10.1	10.7
<b>Unit Dimensions</b>										
Height (in/mm)	20.4 / 518		30.0 / 762		32.9 / 836		44.0 / 1118		43.6 / 1107	
Width (in/mm)	10.4 / 264		14.1 / 358		14.1 / 358		14.1 / 358		16.1 / 409	
Depth (in/mm)	10.0 / 254		12.3 / 312		12.3 / 312		12.3 / 312		12.2 / 310	
Weight (lbs/kg)	36.8 / 16.7		65.6 / 29.7		74.7 / 33.9		84.7 / 38.4		94.6 / 42.9	
<b>Approvals</b>										
			<b>UL 484 and Type 4 (X)</b>							

\*Reciprocating Compressor



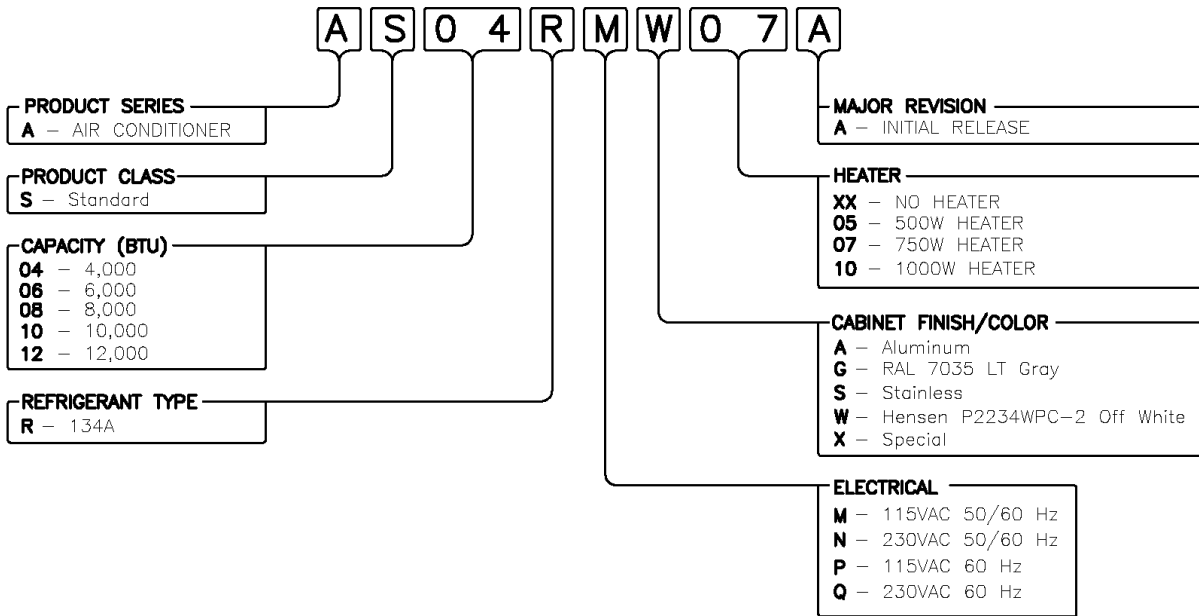
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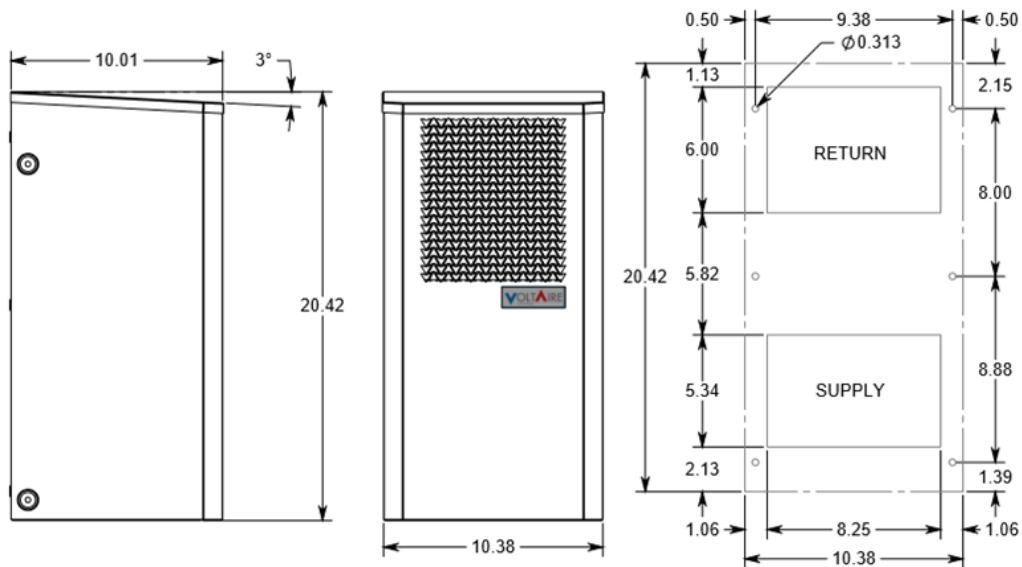
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## Product Nomenclature

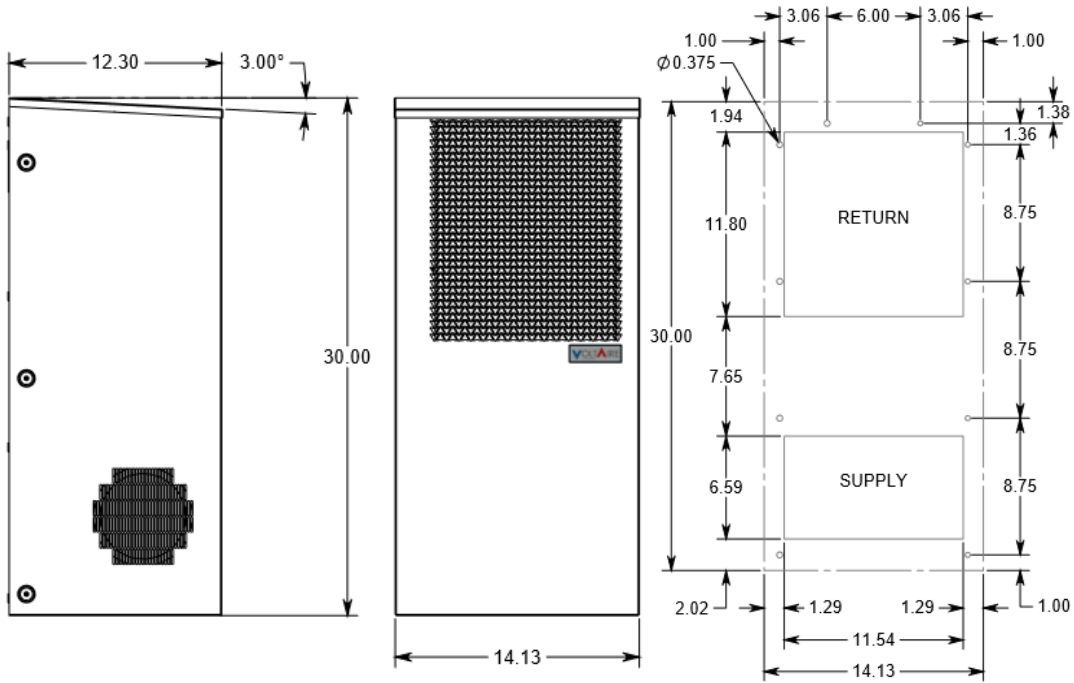


## Mounting Diagrams – Overall Dimensions and Cabinet Cutouts

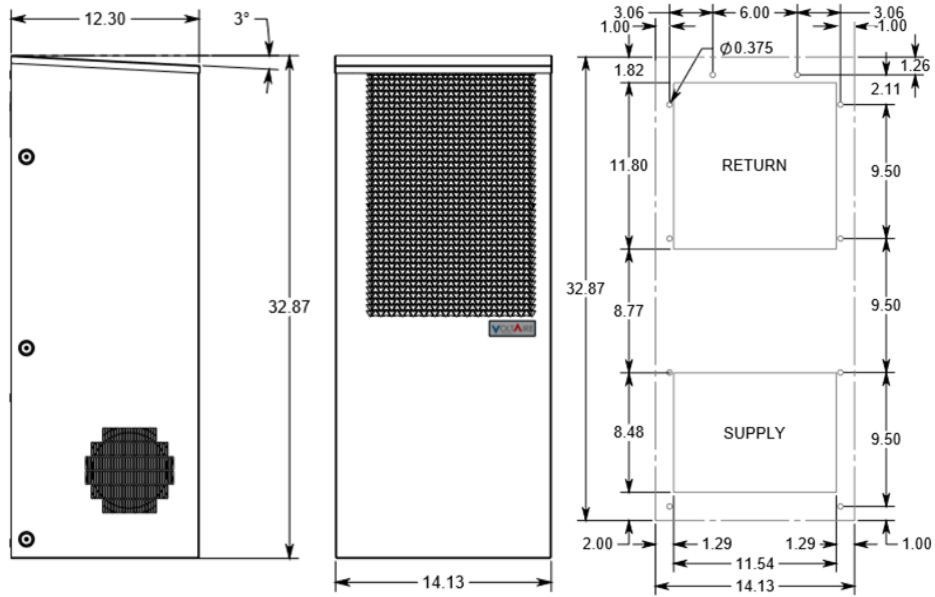


### AS02

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AS04



AS06



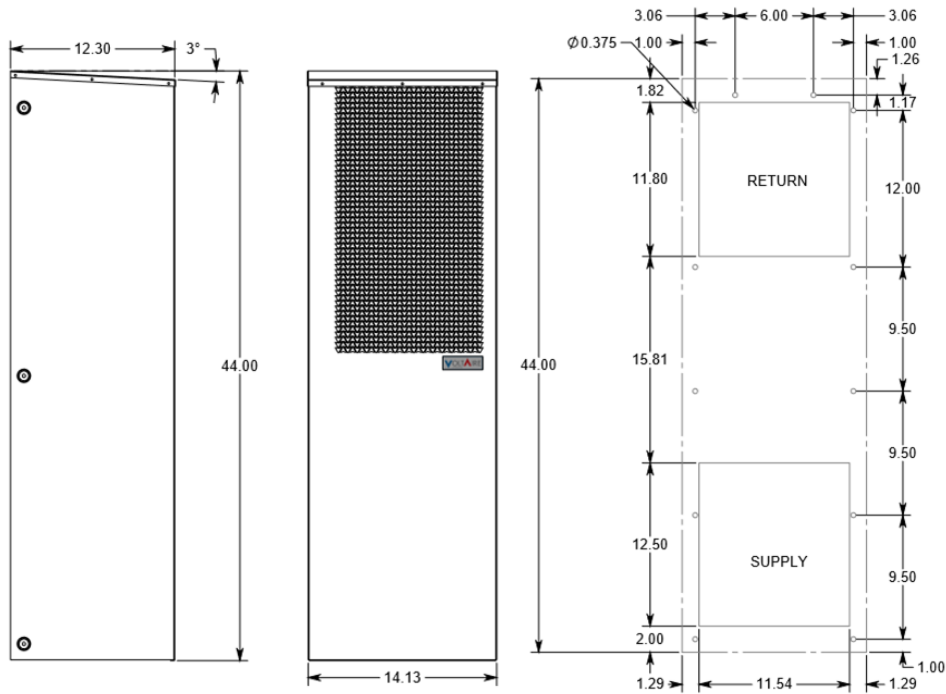
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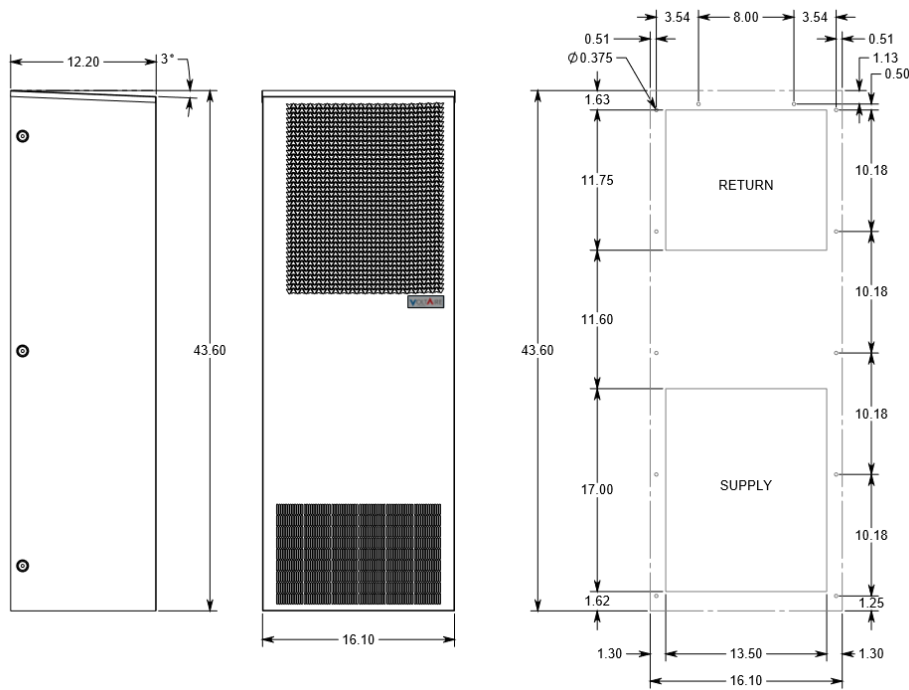
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## AS08



## AS10 and AS12



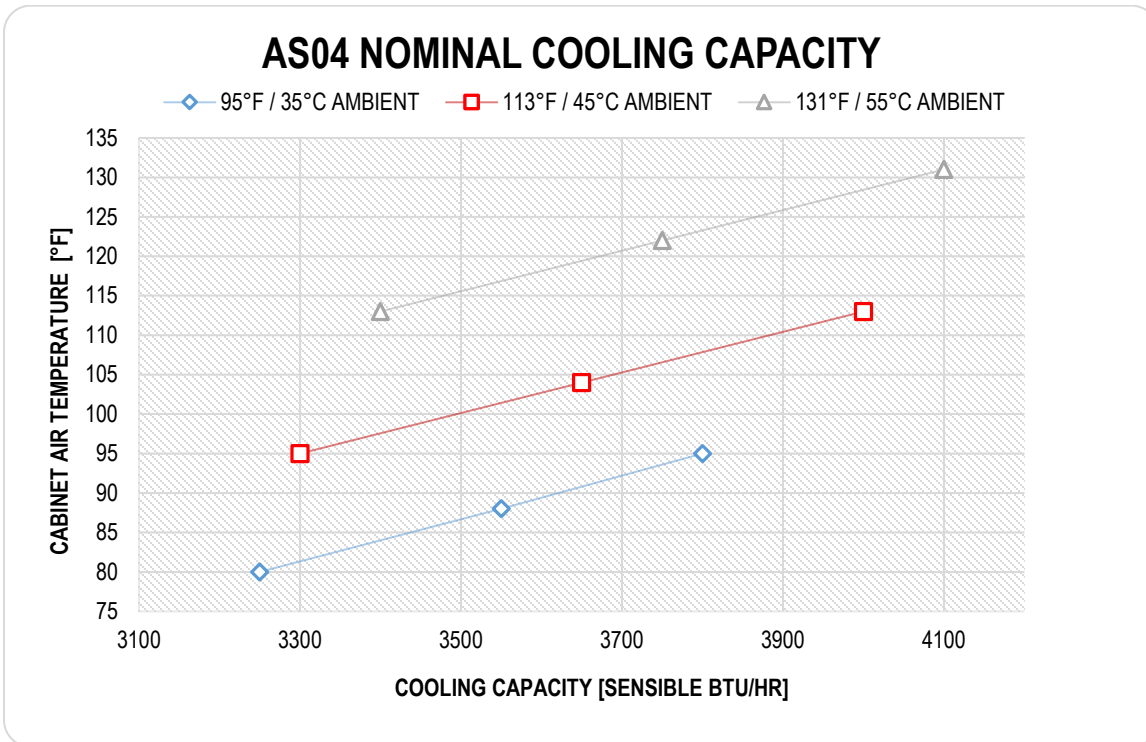
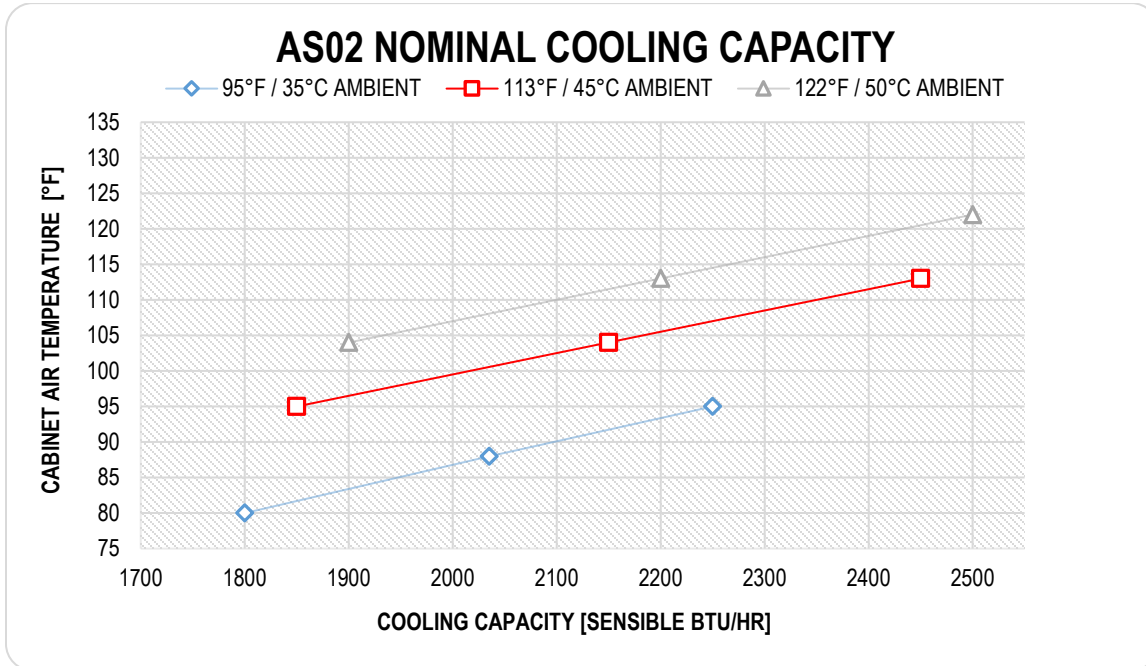
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**Performance**



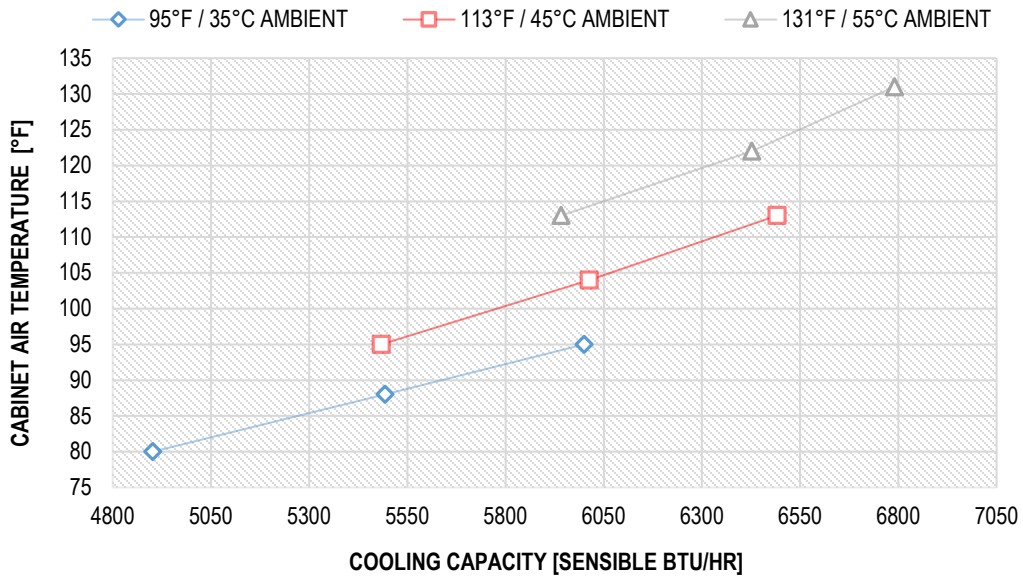
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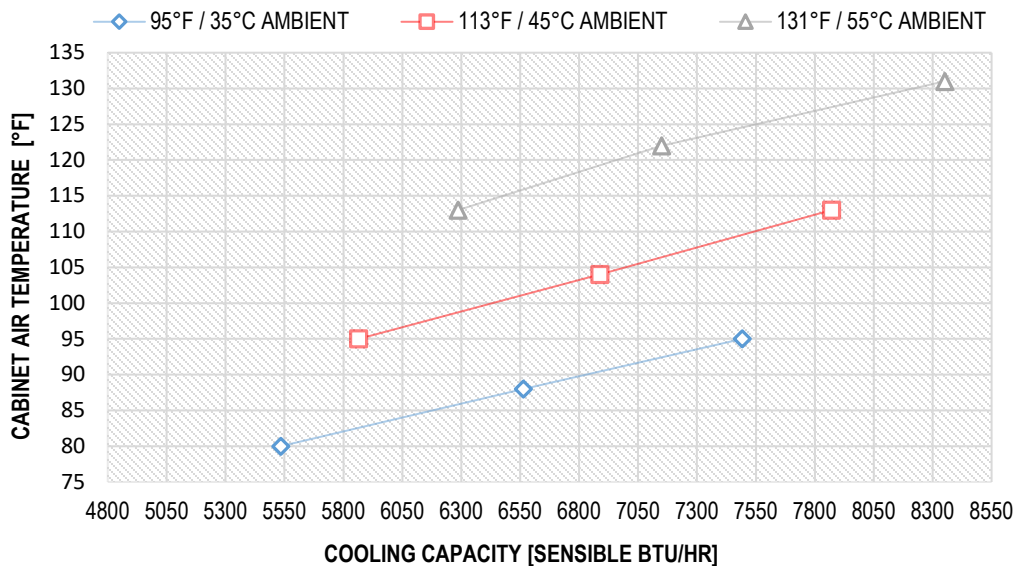
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### AS06 NOMINAL COOLING CAPACITY



### AS08 NOMINAL COOLING CAPACITY



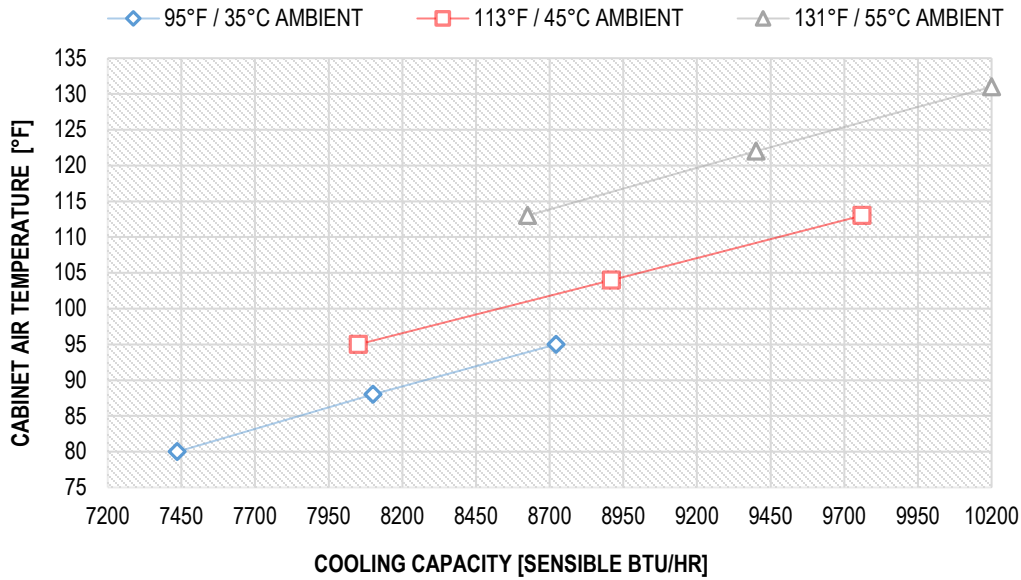
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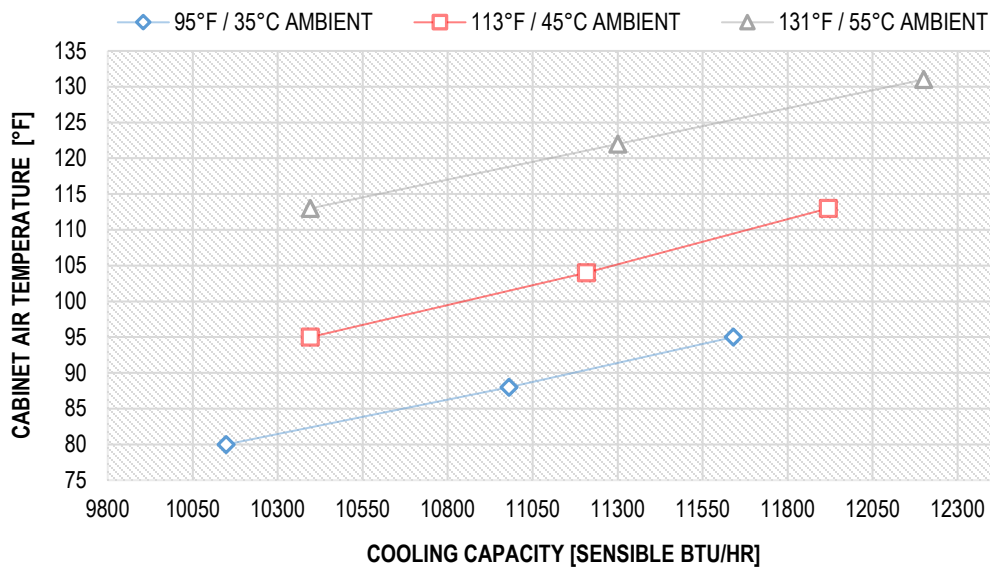
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**AS10 NOMINAL COOLING CAPACITY**



**AS12 NOMINAL COOLING CAPACITY**



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