

V-SERIES MID-SIZE AIR CONDITIONERS



VA08 Indoor Model

1200, 1500 and 2000 Watts

INDUSTRY STANDARDS

IP 56 Internal Air Loop
 IP 34 External Air Loop
 CE
 EAC

APPLICATION

- Industrial drive enclosures
- Automotive assembly systems
- Packaging equipment
- Material handling
- Other process control systems

FEATURES

- Coated coils for filterless operation in most manufacturing environments
- Convenient quick-fastening terminal block for easy power connections
- Built-in installation hooks on the back of the unit
- Unique passive condensate management system
- Indoor operating temperature range from 20 °C to 55 °C
- IP 56 protection against dust and water infiltration
- Reliable mechanical thermostat to reduce the chance of failure
- Digital display and malfunction switch optional
- All-metal shroud for rugged factory conditions
- Exterior surface mounting standard
- Partial recessed mounting options
- Full-size cutout print included with every unit
- Easy access to the optional aluminum filter and other components
- Rigorously tested to withstand shipping vibration, high temperatures and other operating challenges
- Every unit functionally tested prior to leaving the factory
- Rotary compressor for energy efficiency
- R134A earth-friendly refrigerant and RoHS compliant
- Outdoor AC models also include:
 - Malfunction Switch
 - Compressor heater
 - Compressor head pressure control
 - Enclosure heater 2000W
 - Corrosion resistant components
 - Operating temperature range -40 C - 55 C

SPECIFICATIONS

- 1200, 1500 and 2000 nominal watts
- 230 VAC 50 Hz power input with +/-10 percent operating range

FINISH

- RAL 7035 light-gray, semi-textured powder-coat paint standard
- Other colors and textures available upon request

Model Number Structure

VA	08	06	25	G	052	A
1	2	3	4	5	6	7

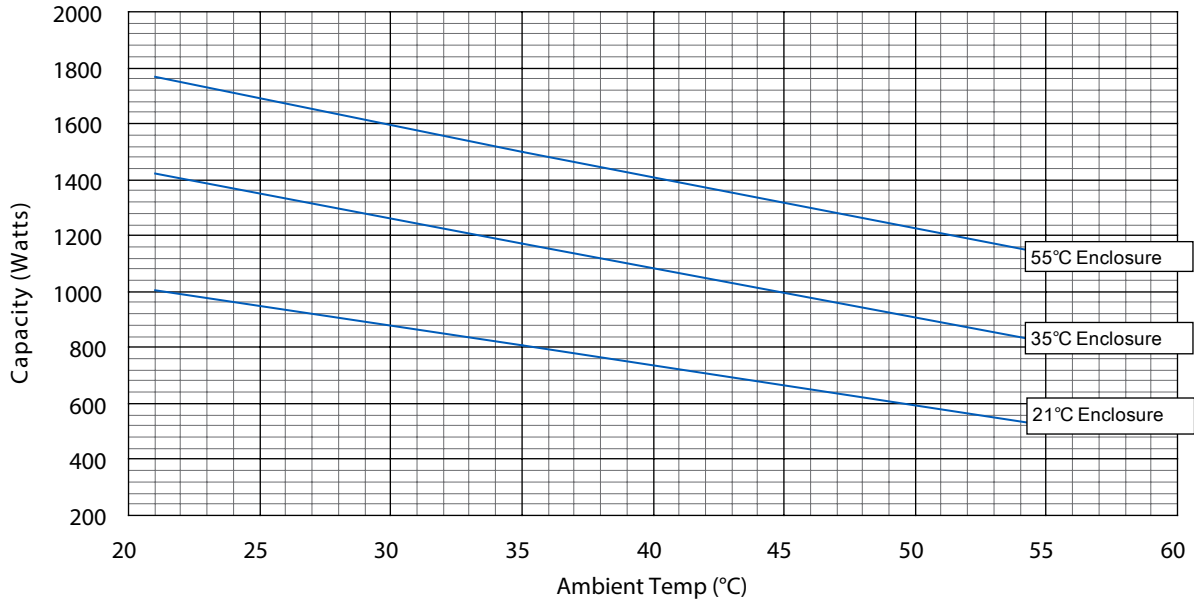
1. Identifies the of air conditioner type, VA=V Series Air Conditioner.
2. Identifies the approximate height, 08=708mm to 800mm.
3. This is the air conditioner's nominal capacity in Watts, 08=800 W.
4. Identifies the input power of air conditioner, 2=220V/230V, 5=50Hz.
5. Identifies the construction material and refrigerant of air conditioner, G=Galvanized sheet metal and R134a.
6. Unique set of numbers for each air conditioner which identifies the accessories on a model, 052=Indoor, Terminal block and finger guard.
7. A=Standard product.

Performance Data 1200 W, 1500 W, 2000 W

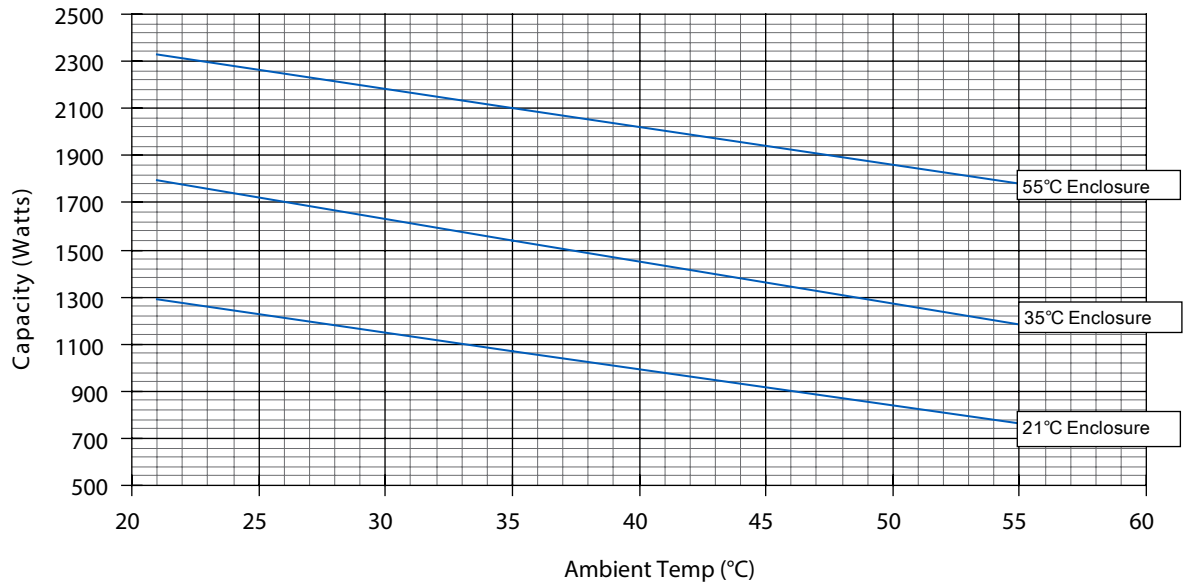
MODEL NUMBER	1200W	1500W	2000W
Indoor Model	VA081225G052A	VA081525G052A	VA082025G052A
Indoor Model Partial Recessed Mount	VA081225G053A	VA081525G053A	VA082025G053A
Indoor Model with Display and Malfunction Switch	VA081225G059A	VA081525G059A	VA082025G059A
Outdoor Model with Heat Package	VA081225G152A	VA081525G152A	VA082025G152A
Outdoor Model with Heat Package, Stainless Steel 316L	VA081225G156A	VA081525G156A	VA082025G156A
COOLING PERFORMANCE			
Nominal:			
L35 L35			
Watt	1160	1470	1910
L35 L50			
Watt	960	1170	1540
Refrigerant	R134a	R134a	R134a
Refrigerant Charge (g)	550	605	660
Operating Temperature Range:			
Maximum (°C)	55	55	55
Minimum (°C) (indoor/outdoor)	20/-40	20/-40	20/-40
Airflow at 0 Static Pressure:			
Internal loop (m³/h)	388	571	571
External loop (m³/h)	524	571	688
Max. Heater Watts for Outdoor Models:	2000	2000	2000
Duty Cycle	100%	100%	100%
ELECTRICAL DATA			
Rated Voltage	230	230	230
Frequency (Hz)	50	50	50
Operating Range	+/-10%	+/-10%	+/-10%
Power Consumption L35 L35 (Watts)	540	606	913
Max. Nominal Current (Amps)	3.50	3.96	5.70
Starting Current (Amps)	13.5	13.5	22.0
Pre-fuse T (Amps)	10	10	10
Agency Approvals	CE EAC	CE EAC	CE EAC
Power Input Description	Terminal Block	Terminal Block	Terminal Block
PERFORMANCE FACTOR L35 L35			
Cooling Performance (Watt)/ Power Consumption (Watt)	2.1	2.4	2.1
ENCLOSURE PROTECTION			
IP Code	IP 56 Internal loop IP34 External loop		
CONTROLLER			
Description	Basic Mechanical Thermostat		
Thermostat Location	Enclosure Side		
Factory Thermostat Setting (°C)	35		
SOUND LEVEL			
At 1 M	71 dBA	71 dBA	73 dBA
UNIT CONSTRUCTION			
Material	Galvanized Sheet Metal Standard Stainless Steel Optional		
Finish	RAL 7035 light-gray, semi-textured powder-coat paint standard		
UNIT DIMENSIONS			
Height (mm)	725	725	725
Width (mm)	431	431	431
Depth (mm)	237	237	272
Weight (kg)	34	35	44

Performance Curves for 1200 and 1500 Watt Models

VA081225GXXXA 1200 Watt Capacity Curves 230V/50Hz

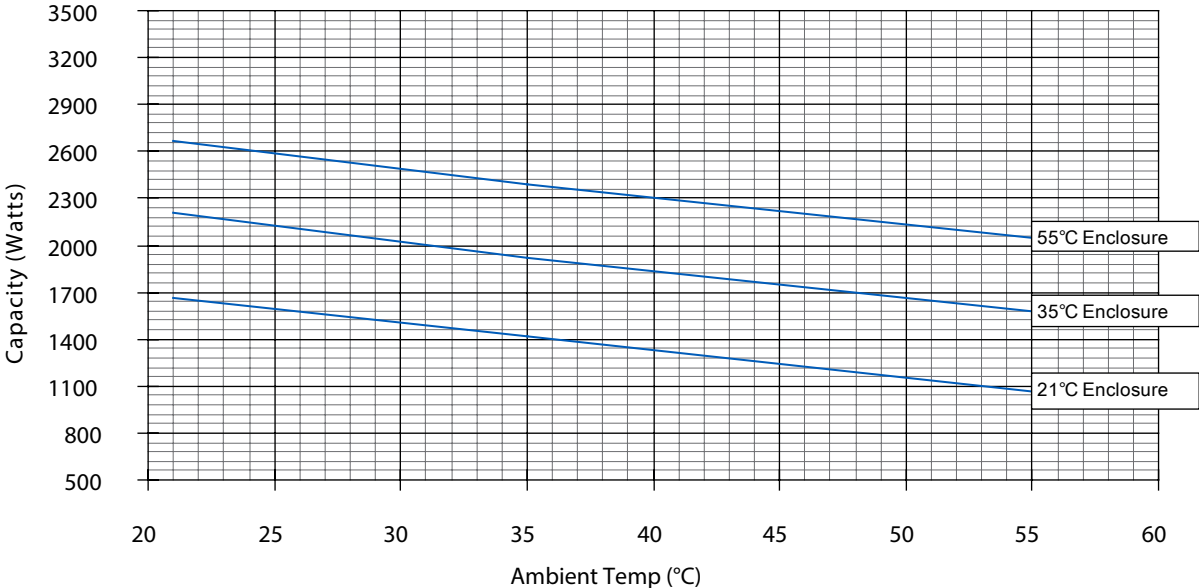


VA081525GXXXA 1500 Watt Capacity Curves 230V/50Hz

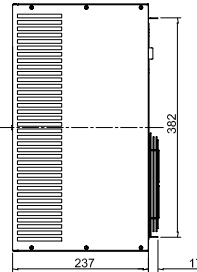
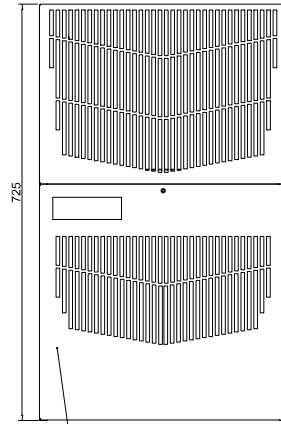
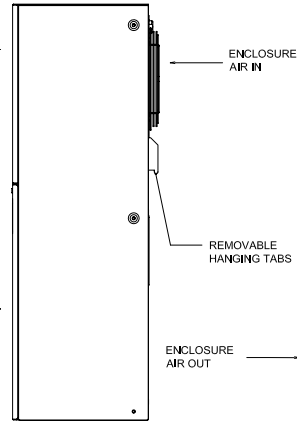
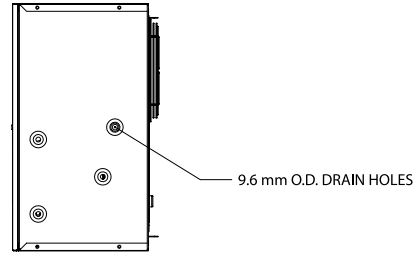
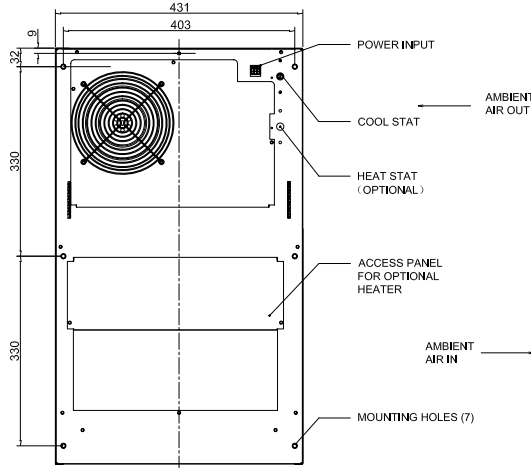


Performance Curves for 2000 Watt Model

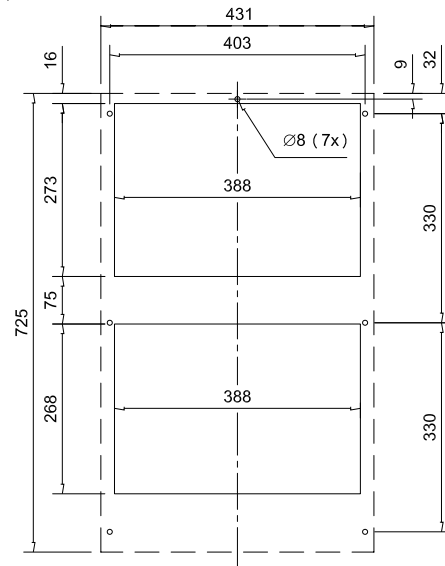
VA082025GXXXA 2000 Watt Capacity Curves 230V/50Hz



VA08 V-SERIES Mid-size
1st Angle Projection



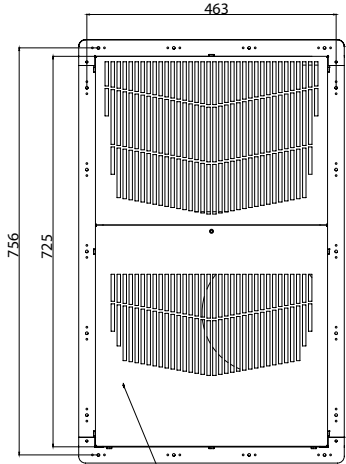
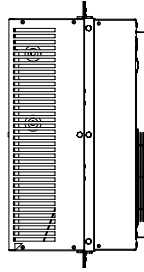
Note:
1. Mounting gasket supplied (not shown)
2. Units: mm



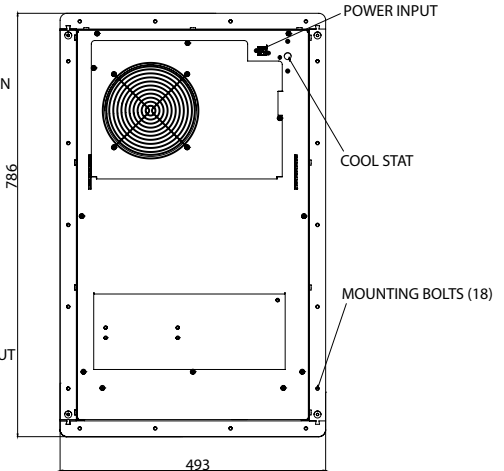
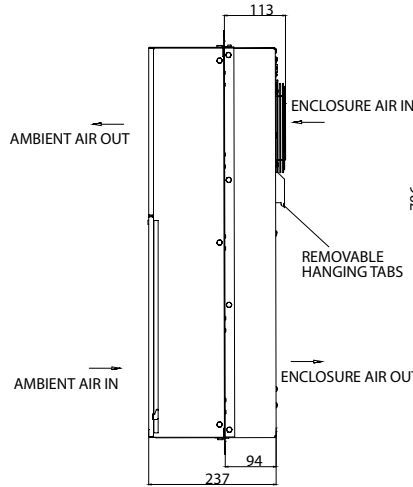
Cutout Dimensions
External Surface Mount

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VA08 V-SERIES Mid-size Partial Recess
1st Angle Projection

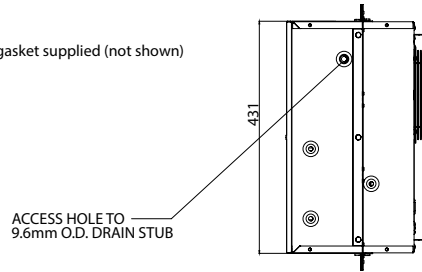


CLEANABLE, REUSABLE ALUMINUM INLET FILTER BEHIND REMOVABLE PANEL

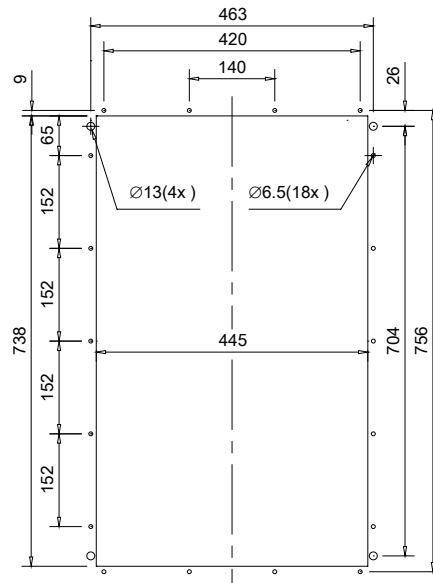


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Note:
1. Mounting gasket supplied (not shown)
2. Units: mm



ACCESS HOLE TO 9.6mm O.D. DRAIN STUB



Cutout Dimensions
Recessed Mounting