

V-SERIES COMPACT AIR CONDITIONERS



VA06 Indoor Model
400 and 600 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
- 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

- 400 and 600 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	06	06	25	G	052	A
1	2	3	4	5	6	7

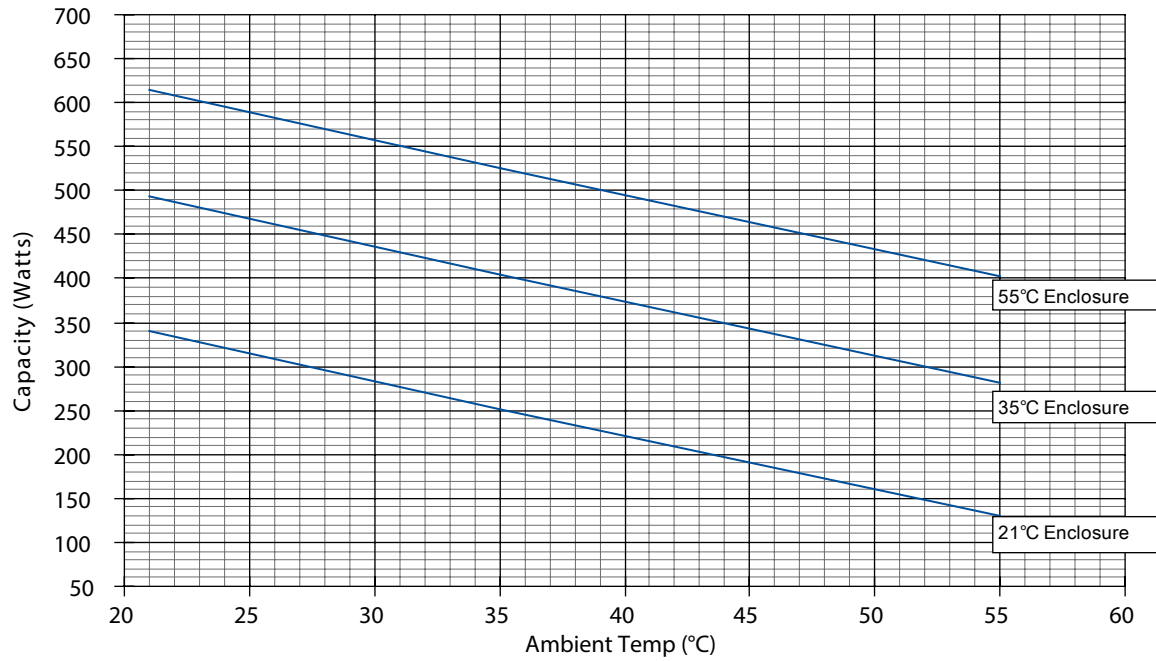
1. Identifies the of air conditioner type, VA=V Series Air Conditioner.
2. Identifies the approximate height, 06=508mm to 600mm.
3. This is the air conditioner's nominal capacity in Watts, 06=600 W.
4. Identifies the input power of air conditioner, 2=220V/230V, 5=50Hz.
5. Identifies the construction 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 **300 W, 600 W**

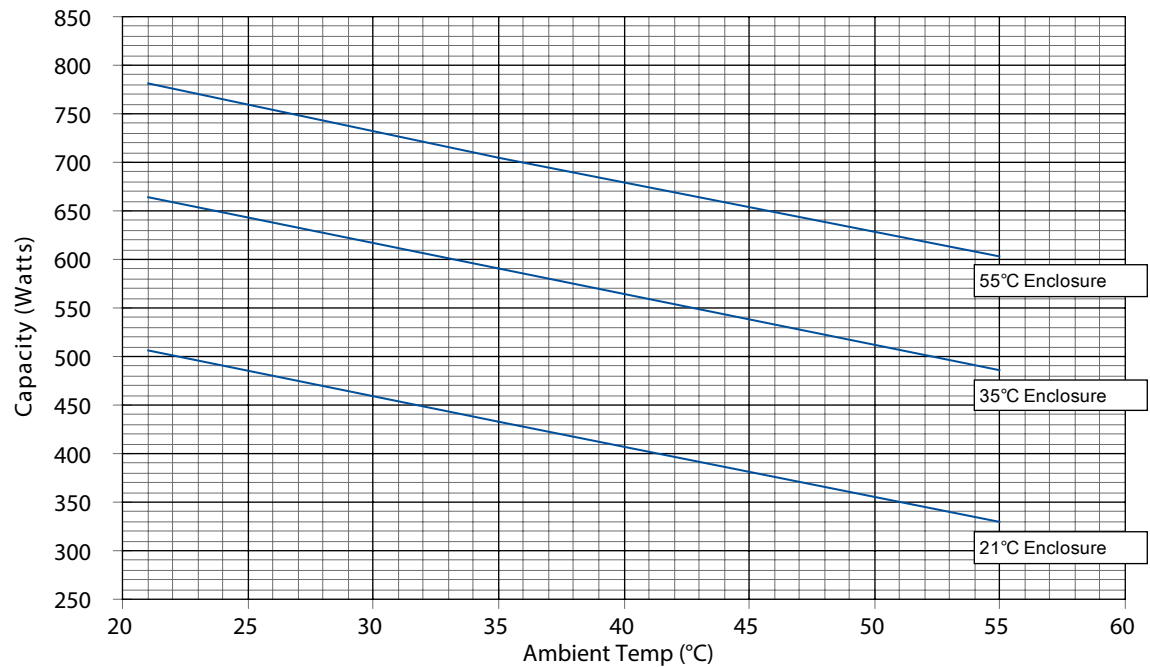
MODEL NUMBER	300W	600W
Indoor Model	VA060325G052A	VA060625G052A
Indoor Model Partial Recessed Mount	VA060325G053A	VA060625G053A
Indoor Model with Display and Malfunction Switch	VA060325G059A	VA060625G059A
Outdoor Model with Heat Package	VA060325G152A	VA060625G152A
Outdoor Model with Heat Package, Stainless Steel 316L	VA060325G156A	VA060625G156A
COOLING PERFORMANCE:		
Nominal:		
L35 L35		
Watt	400	590
L35 L50		
Watt	310	510
Refrigerant	R134a	R134a
Refrigerant Charge (g)	100	150
Operating Temperature Range:		
Maximum (°C)	55	55
Minimum (°C) (indoor/outdoor)	20/-40	20
Airflow at 0 Static Pressure:		
Internal loop (m³/h)	115	180
External loop (m³/h)	325	270
Max. Heater Watts for Outdoor Models	500	500
Duty Cycle	100%	100%
ELECTRICAL DATA		
Rated Voltage	230	230
Frequency (Hz)	50	50
Operating Range	+/-10%	+/-10%
Power Consumption L35 L35 (Watt)	225	420
Max. Nominal Current (Amp)	1.5	2.8
Starting Current (Amp)	7	16
Pre-fuse T (Amp)	10	10
Agency Approvals	CE EAC	CE EAC
Power Input Description	Terminal Block	Terminal Block
PERFORMANCE FACTOR L35 L35		
Cooling Performance (Watt)/ Power Consumption (watt)	1.8	1.4
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	64 dBA	72 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)	508	508
Width (mm)	270	270
Depth (mm)	252	252
Weight (kg)	23	25

Performance Curves for 400 and 600 Watt Models

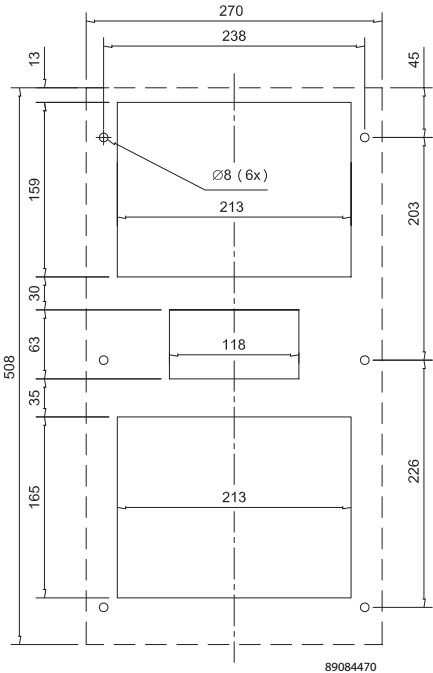
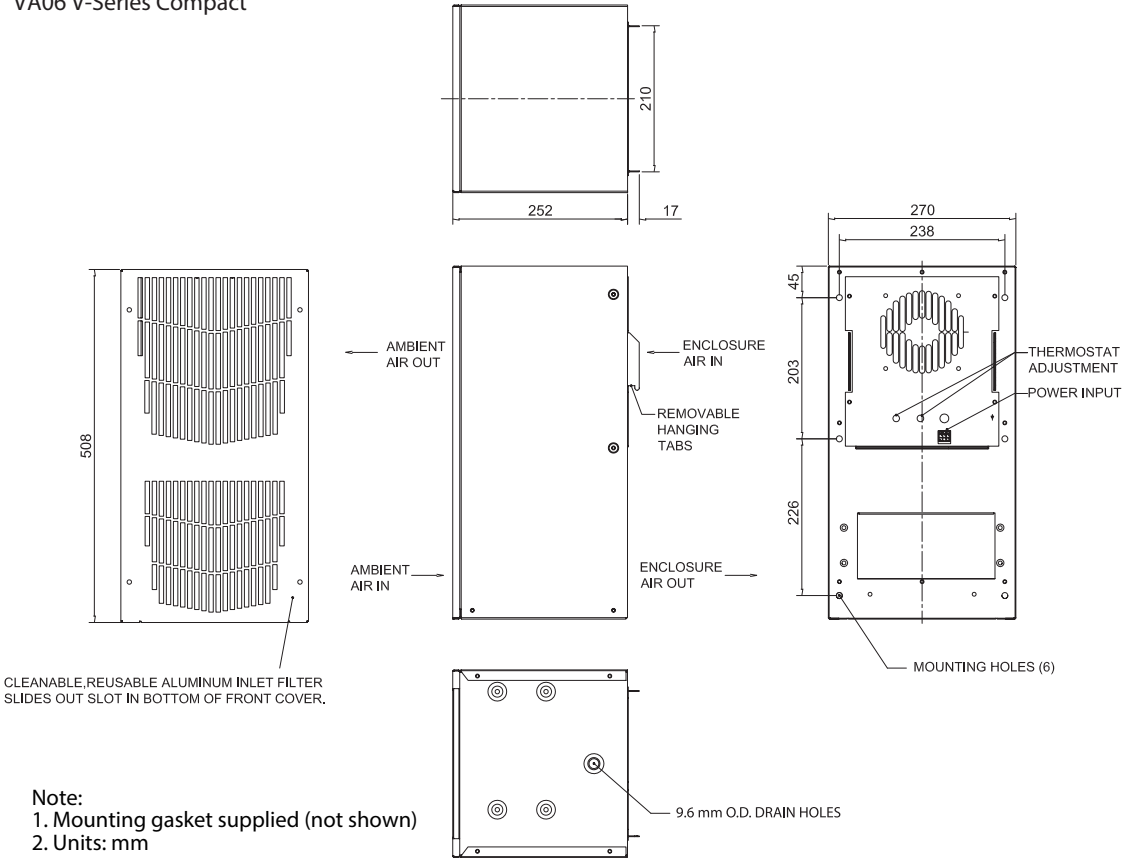
VA060325GXXXA 400 Watt Capacity Curves 230V/50Hz



VA060625GXXXA 600 Watt Capacity Curves 230V/50Hz

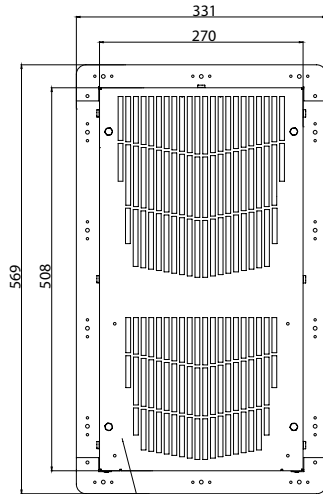
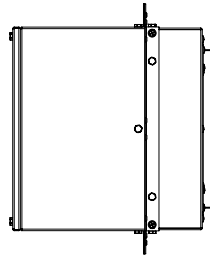


VA06 V-Series Compact



CUTOUT DIMENSIONS
EXTERNAL SURFACE MOUNTING

VA06 V-Series Compact Partial Recess



AMBIENT
AIR OUT

AMBIENT
AIR IN

ENCLOSURE
AIR IN

ENCLOSURE
AIR OUT

REMOVABLE
HANGING TABS

THERMISTAT
ADJUSTMENT

POWER INPUT

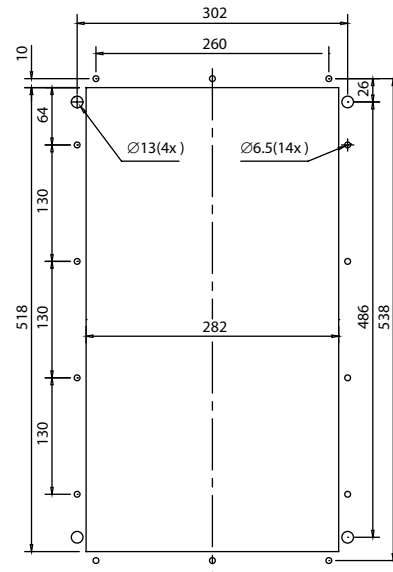
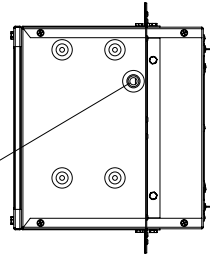
MOUNTING BOLTS(14)

89104637

CLEANABLE, REUSABLE ALUMINUM
INLET FILTER SLIDS OUT SLOT
IN BOTTOM OF FRONT COVER.

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

ACCESS HOLE TO
9.6mm O.D DRAIN STUB



CUTOUT DIMENSIONS
RECESSED MOUNTING

Notes