

MVA

Direct expansion variable refrigerant flow system VRF

Cooling capacity 12,1 ÷ 246,0 kW
Heating capacity 14,0 ÷ 276,0 kW

- Units prepared for installations with two or three pipes.
- The correct balance between cost, efficiency and space.
- Wide choice of indoor units available.
- Up to 80 connectible indoor units.



DESCRIPTION

The VRF air conditioners from the MVA range are combined with indoor units:

- MVA_WL - **Wall.**
- MVA_D - **Horizontal duct.**
- MVA_DH - **Horizontal duct, high head.**
- MVA_DV - **Vertical duct.**
- MVA_CS and MVA_C - **8-way cassette .**
- MVA_CB - **4-way cassette .**
- MVA_C1 - **1-way cassette .**
- MVA_F - **Floor ceiling.**
- MVA_FS - **Console.**
- MVA_V - **Column.**
- MVA_ERV - **Heat recovery unit.**

TYPE OF INDOOR UNIT

MVA_WL

Wall indoor unit designed to be installed on indoor walls.

- Modern design to blend with all furnishing styles.
- Distributed air jet: air outlet louvers with horizontal and vertical adjustment facility.
- Anti-freeze function that allows a minimum temperature of 8 °C to be maintained in the environment during the winter period.

MVA_D

Duct indoor unit designed for indoor duct type installation.

MVA_D - Horizontal duct.

- Wired panel standard supply.
- Low noise levels.
- Easy installation in small assembly spaces, thanks to the limited dimensions.
- Useful static pressure up to 80 Pa.

MVA_DH

Duct indoor unit designed for indoor duct type installation.

MVA_DH - Horizontal duct, high head.

- Wired panel standard supply.
- Unit without cover, designed for duct type horizontal installation.
- Useful static pressure up to 200 Pa.

MVA_DV

Duct indoor unit designed for indoor vertical installation.

MVA_DV - Vertical duct.

- Wired panel standard supply.
- Unit without cover, designed for installation in wall recesses.
- Useful static pressure up to 60 Pa.

MVA_CS / MVA_C

8-way cassette indoor unit designed to be installed on false ceilings indoors.

MVA_CS - Cassette 570x570.

Mandatory accessory GLG40S.

MVA_C - Cassette 840x840.

Mandatory accessory GLG40.

- Wired panel standard supply.
- Condensate discharge pump as standard.
- Guarantees even air distribution, for optimum comfort.

MVA_CB

4-way cassette indoor unit designed to be installed on false ceilings indoors.

MVA_CB - Cassette 910x910.

Mandatory accessory GL40B.

- Wired panel standard supply.
- Condensate discharge pump as standard.
- Guarantees even air distribution, for optimum comfort.

MVA_C1

1-way cassette indoor unit designed to be installed on false ceilings indoors.

MVA_C1 - Cassette 987x385.

Mandatory accessory GLC1.

- Wired panel standard supply.
- Condensate discharge pump as standard.
- Compact size and minimum dimensions.

MVA_F

Floor ceiling indoor unit to be installed on walls or ceiling.

- Low noise levels.
- Anti-freeze function.
- Flexible installation for any environment.

MVA_FS

Console indoor unit designed to be installed on the floor.

- Anti-freeze function.
- 5-speed fan, to meet every possible need.
- Two delivery vents for optimal control of the air flow.

MVA_V

Column indoor unit designed to be installed in large sized rooms.

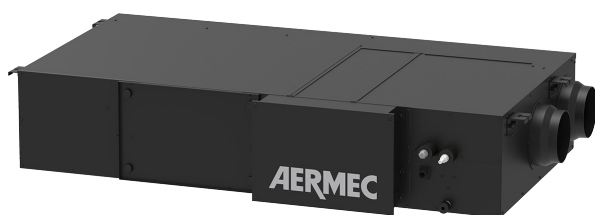
- Easy installation and maintenance.
- Speed in reaching the defined set point in the shortest time possible.
- Ideal for installations in the service sector: hotels, restaurants, offices.

General features

- Operating mode: cooling, heating, dehumidification, automatic and fan only.
- Total capacity connected to the outdoor units between 50% and 135% of the rated capacity of the selected configuration.
- Indoor unit fitted standard with an electronic expansion valve.
- **WRC** wired panel standard supply with each indoor unit.
- Every indoor unit comes with a remote control and a remote control holder.
- Automatic unit adjustment function.
- Particularly quiet operation.
- Microprocessor control.
- Auto-restart function.
- Self-diagnosis function.
- Easy installation and maintenance.

TYPE OF INDOOR UNIT - HEAT RECOVERY

MVA_ERV



Heat recovery units designed for duct-type horizontal installation indoors. Fitted with a cross-flow enthalpic heat recovery unit with recovery efficiency higher than 70%. The heat exchanger allows energy to be transferred from the exhaust air to the fresh air, avoiding any direct mixing of the air flows.

This range of heat recovery units ensures constantly clean and filtered fresh air, a constant air flow rate, and rooms with comfortable temperature and humidity levels, ensuring reduced energy consumption in every application.

The device is also equipped with a direct expansion coil to allow the air flow delivered into the room to give off or absorb heat. This means that the unit not only guarantees correct air renewal, but also helps cool or heat the rooms and avoid air currents with a marked temperature difference in relation to the room temperature, to ensure optimum comfort for the occupants.

Operating mode

Every indoor unit comes with a wired panel. The wired panel can be used to set the standard cooling, heating, dehumidification and ventilation-only modes, plus the following operating modes.

- **Bypass with free cooling and night-time free cooling operation:** night-time free cooling operation reduces the thermal load in the rooms, taking advantage merely of the outside temperature difference and therefore boosting energy savings for the following day thanks to free night-time cooling.
- **Control of different inlet and outlet air flow rates:** known as "positive pressure operating mode" when the inlet air flow rate is higher than the recovery one, or "negative pressure operating mode" in the opposite situation.

Mixed connection indoor units + MVA_ERV

In case of mixed systems, i.e. consisting of indoor units of the MVA and units, MVA_ERV to guarantee the proper operation of the system, the nominal cooling powers of the indoor units is between 50% and 100% of the nominal cooling power of the system of external units and that the sum of the installed nominal power of the MVA_ERV units does not exceed 30% of the power of the external units system.

Connections with MVA_ERV units only

In case of systems made up only by units, MVA_ERV to guarantee the proper operation of the system, check that the sum of the nominal cooling powers of the indoor units is between 50% and 100% of the nominal cooling power of the external units system.

General features

- Wired panel standard supply with each indoor unit.
- Particularly quiet operation.
- Centrifugal fans with 5-speed brushless DC motor.
- Units fitted with an electronic expansion valve as standard.
- Filters with G4 efficiency level on inlet and outlet air.
- Alarm signal for filter cleaning.
- Timer for programming unit switch-on and switch-off.
- Incorporated electrical panel with electronic card to control the ventilation and free cooling functions.
- Easy installation and maintenance.

TYPE OF OUTDOOR UNIT

MVA_S

Standard multisplit VRF air conditioners.

Reversible air/air heat pump with DC inverter technology.

- From 1 to 16 connectible indoor units.
- Total maximum length of the refrigerant lines up to 300 m.
- The sizes MVAS1201S - MVAS1401S - MVAS1601S and MVAS1201T - MVAS1401T - MVAS1601T, are fitted with a base electric resistor to avoid possible formation of ice and encourage the disposal of the condensate during the heating operation.
- Compressor and fan with DC inverter technology.
- Fitted with an electronic expansion valve.

MVA_M

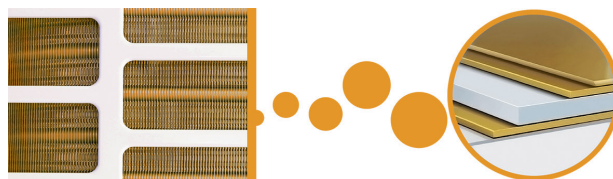
Module multisplit VRF ambient air conditioner for 2-pipe systems.

Reversible air/air heat pump with DC inverter technology.

- From 1 to 80 connectible indoor units.
- Total maximum length of the refrigerant lines up to 1000 m.
- Modular system with base modules that can be combined together, up to a maximum of 4, for a total of 33 recommended combinations.
- Compressor and fan with DC inverter technology.
- Fitted with an electronic expansion valve.
- Optimised management of the compressor operating time with partial loads.
- Emergency operation, in the event of problems with the compressors or fans, allows operation of the system with a reduced number of compressors and/or fans for a limited time.
- Channelled air delivery from 0 Pa (default) to 82 Pa of effective static head set via dip switches.
- **For cooling line connections, refer to refnet joints in the accessories section.**

Special golden fin coil

Unlike normal batteries, this special golden epoxy coating silicon free is able to protect the heat exchanger against rust and corrosion, in areas where the air has a high salt content.



General features

- Operating mode: cooling, heating, dehumidification, automatic and fan only.
- Refrigerant connections with braze welded Y and F joints (mandatory accessories).
- Compressor and fan with DC inverter technology.
- Particularly quiet operation.
- Microprocessor control.
- Auto-restart function.
- Self-diagnosis function.
- Easy installation and maintenance.
- Serial communication in CanBus protocol.

ACCESSORIES

CC2: Centralised control with 7" touchscreen display for managing several indoor units within a number of multisplit systems. The centralised control has an integrated external contact. For more information, refer to the specific documentation. *

MVASZC: Simplified centralised control (4,3" touch screen display), which can be used to manage up to 32 Indoor Units distributed across a maximum of 16 Systems.

WRC: Wired panel with liquid crystal display and soft-touch buttons.

WRC1: Simplified wired panel with liquid crystal display and soft-touch buttons with built-in external contact. This panel is particularly suitable for hotel applications.

* **The CC2 centralised control can manage up to 255 indoor units distributed over a maximum of 16 MVA systems.**

For more information about the accessories and their functions (such as the auto-restart function), refer to the specific documentation of the single accessory.

AHUKIT: Kit comprised of a box that contains the thermal expansion valve(s) complete with wiring and their control module, with pre-wired probes, a wall-mounted control panel with external contact. The kit

is intended to be combined with the direct expansion cooling and/or heating coil (using R410A) of an air treatment unit. The latter is not supplied as an MVA component, but is functionally connected to an MVA system and is suitably sized. AHUKIT, and the and the air treatment unit connected to it, treat the recirculated and/or fresh air that falls within the operating limits, regulating the recirculation/expulsion air temperature.

MINIMODBUS10: Thanks to its smaller size, this accessory can be easily installed in the outdoor unit. It allows you to manage up to 16 MV systems (with a maximum of 255 indoor units), with a ModBus RTU serial on RSA485 for supervision with an external BMS.

MVAGW: This accessory allows you to manage up to 16 MV systems (with a maximum of 255 total indoor units), making available a serial in ModBus RTU protocol on RS485, ModBus TCP or BACnet / IP for supervision with an external BMS.

USBDC: The kit includes a converter (from CanBus to ModBus) and the VRF debugger software. IT is designed to meet the requirements of after sales services and qualified technicians who need to carry out control and debugging procedures on the MVA ranges.

Accessories mandatory

Air delivery and recovery grille for indoor **Cassette** type units.

Grille model	Indoor unit model				8 WAY	4 WAY	1 WAY	Dimensions LxHxW (mm)	Weight Kg
	MVA_CS	MVA_C	MVA_CB	MVA_C1					
GLG40S	*	-	-	-	*	-	-	620x620x47,5	3,0
GLG40	-	*	-	-	*	-	-	950x950x52	6,0
GL40B	-	-	*	-	-	*	-	1040x1040x65	8,0
GLC1	-	-	-	*	-	-	*	1200x460x55	4,2

Joints refnet

Connection between modular outdoor units.

The modules are easy to install and link together from the cooling point of view, thanks to the connections with dedicated refnet joints. Modularity is the fundamental characteristic of these systems as it also allows high-capacity systems to be created in a quick, simple way.

Y-joints for cooling connection between 2 Outdoor Units in Modular Systems. **A modular system made up of n. base modules requires n-1 Y-joints.**

Mandatory accessory for modular systems.

MVAM 2-pipe system	
Outdoor unit	Indoor units
RNYM01	RNY11
AHUKIT	RNY12
RNYAHU	RNY21
	RNY31
	RNY41
	RNF14
	RNF18
	RNF18B

MVA_M 2-pipe system

RNYM01

Accessory comprising 2 Y-joints, one for the liquid line and one for the discharge line.

Connection between indoor units

RNY

Accessory comprising 2 Y-joints, one for the liquid line and one for the discharge line.

RNF

Accessory made up of two F-joints, one for the liquid line and one for the discharge line.

Code	System type	Type of joint	Total power downline (kW)		Maximum 1-way connectible power (kW)	Connectible indoor units No.
	2-pipe		>	≤		
RNY11	•	Y	-	20,00	-	-
RNY12	•	Y	20,00	30,00	-	-
RNY21	•	Y	30,00	70,00	-	-
RNY31	•	Y	70,00	135,00	-	-
RNY41	•	Y	135,00	-	-	-
RNF14	•	F	-	40,00	16,00	from 2 to 4
RNF18	•	F	-	68,00	16,00	from 4 to 8
RNF18B	•	F	68,00	-	16,00	from 4 to 8

ADVANTAGES FOR VRF SYSTEMS: MVA

Compact design

Thanks to the reduced dimensions and compact design of these units, they are easy to move at the job site. All the models can in fact be transported easily right up to the roof, even using a lift.



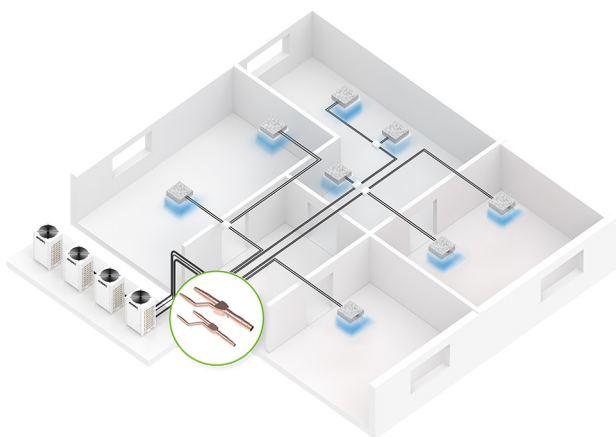
VRF systems - 2-pipe heat pump

Customise your VRF system

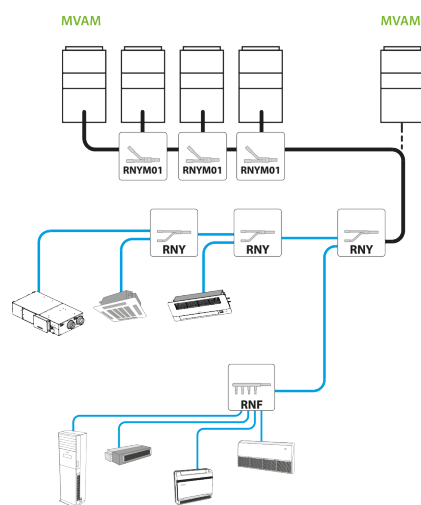
To guarantee greater seasonal efficiency and maximum comfort with the variable refrigerant function.

Continuous comfort

Continuous heating or cooling of the rooms is what makes the VRF system a valid alternative to hydronic systems.



Example of a 2-pipe system



When dimensioning the cooling lines, exclusively refer to the technical manual.

A modular system made up of n base modules requires n-1 Y-joints.

MVAS - MVAM

- 2-pipe system.
- Cooling or heating mode. (The image shows an example of a system in cooling mode)
- Maximum total length of cooling lines: **MVAS**: 300 m, **MVAM**: 1000 m

CONFIGURATIONS

MVA_S combinations

MVA_S connectable units

MVAS	Nominal cooling capacity (kW)	Min. no. of indoor units	Max. no. of indoor units
1201S	12,10	2	7
1401S	14,00	2	8
1601S	16,00	2	9
1201T	12,10	2	7
1401T	14,00	2	8
1601T	16,00	2	9
2242T	22,40	1	13
2802T	28,00	1	17
3351T	33,50	2	20

MVA_S outdoor unit with single duct type indoor unit

MVA_S	Nominal cooling capacity (kW)	No. indoor units	Compatible indoor unit
2242T	22,40	1	MVA2240DH
2802T	28,00	1	MVA2800DH

MVA_M combinations

MVAM permitted configurations

	Nominal cooling capacity		MVA_M combination				Connectible indoor units	
			Module				Number	
	(kW)	(A)	(B)	(C)	(D)		MINIMUM (1)	MAXIMUM (2)
Base Module	22,40	2241T	-	-	-		1	13
	28,00	2801T	-	-	-		1	16
	33,50	3351T	-	-	-		1	19
	40,00	4001T	-	-	-		1	23
	45,00	4501T	-	-	-		1	26
	50,40	5041T	-	-	-		1	29
	56,00	5601T	-	-	-		1	33
Combinations	61,50	6151T	-	-	-		2	36
	68,00	2801T	4001T	-	-		2	39
	73,00	2801T	4501T	-	-		2	43
	78,40	2801T	5041T	-	-		2	46
	84,00	2801T	5601T	-	-		2	50
	89,50	2801T	6151T	-	-		2	53
	95,00	3351T	6151T	-	-		2	56
	101,50	4001T	6151T	-	-		2	59
	106,50	4501T	6151T	-	-		2	63
	111,90	5041T	6151T	-	-		3	64
	117,50	5601T	6151T	-	-		3	64
	123,00	6151T	6151T	-	-		3	64
	129,00	2801T	4501T	5601T	-		3	64
	134,50	2801T	4501T	6151T	-		3	64
	140,00	3351T	4501T	6151T	-		3	66
	145,50	2801T	5601T	6151T	-		3	69
	151,00	2801T	6151T	6151T	-		3	71
	156,50	3351T	6151T	6151T	-		3	74
	163,00	4001T	6151T	6151T	-		3	77
	168,00	4501T	6151T	6151T	-		4	80
	173,40	5041T	6151T	6151T	-		4	80
	179,00	5601T	6151T	6151T	-		4	80
	184,50	6151T	6151T	6151T	-		4	80
	190,50	2801T	4501T	5601T	6151T		4	80
	195,90	2801T	5041T	5601T	6151T		4	80
	201,50	2801T	5601T	5601T	6151T		4	80
	207,00	2801T	5601T	6151T	6151T		4	80
	212,50	2801T	6151T	6151T	6151T		4	80
	218,00	3351T	6151T	6151T	6151T		4	80
	224,50	4001T	6151T	6151T	6151T		5	80
	229,50	4501T	6151T	6151T	6151T		5	80
	234,90	5041T	6151T	6151T	6151T		5	80
	240,50	5601T	6151T	6151T	6151T		5	80
	246,00	6151T	6151T	6151T	6151T		5	80

MVA_M permitted configurations

Nominal cooling capacity		MVA_ M combination				Connectible indoor units	
		Module				Number	
(kW)	(A)	(B)	(C)	(D)	MINIMUM (1)	MAXIMUM (2)	
50,40	2241T	2801T	-	-	1	29	
56,00	2801T	2801T	-	-	1	33	
61,50	2801T	3351T	-	-	2	36	
78,50	3351T	4501T	-	-	2	46	
85,00	4001T	4501T	-	-	2	50	
90,00	4501T	4501T	-	-	2	53	
96,00	2801T	2801T	4001T	-	2	56	
101,00	2801T	2801T	4501T	-	2	59	
106,50	2801T	3351T	4501T	-	3	63	
113,00	2801T	4001T	4501T	-	3	64	
118,00	2801T	4501T	4501T	-	3	64	
123,50	3351T	4501T	4501T	-	3	64	
130,00	4001T	4501T	4501T	-	3	64	
135,00	4501T	4501T	4501T	-	3	64	
141,00	2801T	2801T	4001T	4501T	3	66	
146,00	2801T	2801T	4501T	4501T	3	69	
151,50	2801T	3351T	4501T	4501T	3	71	
158,00	2801T	4001T	4501T	4501T	3	74	
163,00	2801T	4501T	4501T	4501T	3	77	
168,50	3351T	4501T	4501T	4501T	4	80	
175,00	4001T	4501T	4501T	4501T	4	80	
180,00	4501T	4501T	4501T	4501T	4	80	

INDOOR UNIT PERFORMANCE DATA

MVA_WL

		MVA220WL	MVA280WL	MVA360WL	MVA450WL	MVA500WL	MVA560WL	MVA630WL	MVA710WL
Nominal cooling performances									
Cooling capacity (1)	kW	2,20	2,80	3,60	4,50	5,00	5,60	6,30	7,10
Nominal heating performances									
Heating capacity (2)	kW	2,50	3,20	4,00	5,00	5,60	6,30	7,10	7,50
Electric data									
Rated power input (3)	W	20	20	25	35	35	50	50	65
Fan									
Type	type	Inverter tangential							
Air flow rate									
Minimum	m³/h	300	300	320	500	501	650	650	650
Average	m³/h	440	440	460	580	580	850	850	850
Maximum	m³/h	500	500	630	850	850	1100	1100	1200
Sound power (4)									
Minimum	dB(A)	40,0	41,0	41,0	47,0	47,0	47,0	48,0	47,0
Average	dB(A)	43,0	43,0	45,0	50,0	50,0	51,0	51,0	51,0
Maximum	dB(A)	45,0	45,0	48,0	53,0	53,0	53,0	53,0	54,0
Sound pressure (5)									
Minimum	dB(A)	30,0	30,0	31,0	37,0	37,0	37,0	37,0	37,0
Average	dB(A)	33,0	33,0	35,0	40,0	40,0	41,0	41,0	41,0
Maximum	dB(A)	35,0	35,0	38,0	43,0	43,0	43,0	43,0	44,0
Refrigeration pipework									
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")						9,52 (3/8")	
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")				12,7 (1/2")		15,9 (5/8")	
Power supply									
Indoor unit power supply		220-240V ~ 50Hz							
Indoor unit									
Condensate discharge diameter	mm	20,0	20,0	20,0	20,0	20,0	20,0	20,0	20,0

(1) Cooling (EN 14511 and EN 14825) ambient air temperature 27 °C d.b. / 19 °C w.b.; outside air temperature 35 °C; turbo speed; length of refrigerant lines 5 m.

(2) Heating (EN 14511 and EN 14825) ambient air temperature 20 °C d.b.; outside air temperature 7 °C d.b. / 6 °C w.b.; turbo speed; length of refrigerant lines 5 m.

(3) The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN 60335-1 and EN 60335-2-40.

(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.

(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MVA_D

		MVA221D	MVA251D	MVA281D	MVA321D	MVA361D	MVA401D	MVA451D	MVA501D	MVA561D
Nominal cooling performances										
Cooling capacity (1)	kW	2,20	2,50	2,80	3,20	3,60	4,00	4,50	5,00	5,60
Nominal heating performances										
Heating capacity (2)	kW	2,50	2,80	3,20	3,60	4,00	4,50	5,00	5,60	6,30
Electric data										
Rated power input (3)	W	78	78	78	78	78	78	78	117	117
Fan										
Type	type	Inverter centrifugal								
Air flow rate										
Minimum	m³/h	200	200	200	300	300	400	400	550	550
Average	m³/h	350	350	350	400	400	550	550	700	700
Maximum	m³/h	450	450	450	550	550	750	750	850	850
High static pressure										
Nominal	Pa	15	15	15	15	15	15	15	15	15
Minimum	Pa	0	0	0	0	0	0	0	0	0
Maximum	Pa	30	30	30	30	30	30	30	30	30
Sound power (4)										
Minimum	dB(A)	32,0	32,0	32,0	35,0	35,0	37,0	37,0	39,0	39,0
Average	dB(A)	35,0	35,0	35,0	37,0	37,0	39,0	39,0	41,0	41,0
Maximum	dB(A)	40,0	40,0	40,0	41,0	41,0	43,0	43,0	45,0	45,0
Sound pressure (5)										
Minimum	dB(A)	22,0	22,0	22,0	25,0	25,0	27,0	27,0	29,0	29,0
Average	dB(A)	25,0	25,0	25,0	27,0	27,0	29,0	29,0	31,0	31,0
Maximum	dB(A)	30,0	30,0	30,0	31,0	31,0	33,0	33,0	35,0	35,0
Refrigeration pipework										
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")					9,52 (3/8")			
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")					12,7 (1/2")			
Power supply										
Indoor unit power supply		220-240V ~ 50Hz								
Indoor unit										
Condensate discharge diameter	mm	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0

		MVA631D	MVA711D	MVA801D	MVA901D	MVA1001D	MVA1121D	MVA1251D	MVA1401D
Nominal cooling performances									
Cooling capacity (1)	kW	6,30	7,10	8,00	9,00	10,00	11,20	12,50	14,00
Nominal heating performances									
Heating capacity (2)	kW	7,10	8,00	9,00	10,00	11,20	12,50	14,00	16,00
Electric data									
Rated power input (3)	W	117	154	110	130	130	130	170	170
Fan									
Type	type	Inverter centrifugal							
Air flow rate									
Minimum	m³/h	550	650	900	900	1000	1100	1400	1400
Average	m³/h	700	850	1100	1250	1350	1500	1700	1700
Maximum	m³/h	850	1100	1250	1500	1500	1700	2000	2000
High static pressure									
Nominal	Pa	15	15	50	50	50	50	50	50
Minimum	Pa	0	0	0	0	0	0	0	0
Maximum	Pa	30	50	80	80	80	80	80	80
Sound power (4)									
Minimum	dB(A)	39,0	40,0	46,0	47,0	47,0	47,0	52,0	52,0
Average	dB(A)	41,0	42,0	49,0	51,0	51,0	51,0	55,0	55,0
Maximum	dB(A)	45,0	47,0	52,0	55,0	55,0	55,0	57,0	57,0
Sound pressure (5)									
Minimum	dB(A)	29,0	30,0	31,0	32,0	32,0	32,0	37,0	37,0
Average	dB(A)	31,0	32,0	34,0	36,0	36,0	36,0	40,0	40,0
Maximum	dB(A)	35,0	37,0	37,0	40,0	40,0	40,0	42,0	42,0
Refrigeration pipework									
Diameter of liquid refrigerant connections	mm (inch)	9,52 (3/8")							
Diameter of refrigerant gas connections	mm (inch)	15,9 (5/8")							
Power supply									
Indoor unit power supply		220-240V ~ 50Hz							
Indoor unit									
Condensate discharge diameter	mm	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0

(1) Cooling (EN 14511 and EN 14825) ambient air temperature 27 °C d.b. / 19 °C w.b.; outside air temperature 35 °C; turbo speed; length of refrigerant lines 5 m.

(2) Heating (EN 14511 and EN 14825) ambient air temperature 20 °C d.b.; outside air temperature 7 °C d.b. / 6 °C w.b.; turbo speed; length of refrigerant lines 5 m.

(3) The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN 60335-1 and EN 60335-2-40.

(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.

(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MVA_DH

		MVA221DH	MVA251DH	MVA281DH	MVA321DH	MVA361DH	MVA401DH
Nominal cooling performances							
Cooling capacity (1)	kW	2,20	2,50	2,80	3,20	3,60	4,00
Nominal heating performances							
Heating capacity (2)	kW	2,50	2,80	3,20	3,60	4,00	4,50
Electric data							
Rated power input (3)	W	55	55	55	65	65	85
Fan							
Type	type	Inverter centrifugal					
Air flow rate							
Minimum	m³/h	400	400	400	420	420	600
Average	m³/h	480	480	480	500	500	700
Maximum	m³/h	550	550	550	600	600	850
High static pressure							
Nominal	Pa	60	60	60	60	60	60
Minimum	Pa	0	0	0	0	0	0
Maximum	Pa	150	150	150	150	150	150
Sound power (4)							
Minimum	dB(A)	41,0	41,0	41,0	42,0	42,0	44,0
Average	dB(A)	43,0	43,0	43,0	44,0	44,0	47,0
Maximum	dB(A)	45,0	45,0	45,0	46,0	46,0	50,0
Sound pressure (5)							
Minimum	dB(A)	31,0	31,0	31,0	32,0	32,0	34,0
Average	dB(A)	33,0	33,0	33,0	34,0	34,0	37,0
Maximum	dB(A)	35,0	35,0	35,0	36,0	36,0	40,0
Refrigeration pipework							
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")					
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")					
Power supply							
Indoor unit power supply		220-240V ~ 50Hz					
Indoor unit							
Condensate discharge diameter	mm	25,0	25,0	25,0	25,0	25,0	25,0

		MVA451DH	MVA501DH	MVA561DH	MVA631DH	MVA711DH	MVA801DH
Nominal cooling performances							
Cooling capacity (1)	kW	4,50	5,00	5,60	6,30	7,10	8,00
Nominal heating performances							
Heating capacity (2)	kW	5,00	5,60	6,30	7,10	8,00	9,00
Electric data							
Rated power input (3)	W	85	85	90	90	100	100
Fan							
Type	type	Inverter centrifugal					
Air flow rate							
Minimum	m³/h	600	600	700	700	950	950
Average	m³/h	700	700	800	800	1050	1050
Maximum	m³/h	850	850	1000	1000	1250	1250
High static pressure							
Nominal	Pa	60	60	90	90	90	90
Minimum	Pa	0	0	0	0	0	0
Maximum	Pa	150	150	200	200	200	200
Sound power (4)							
Minimum	dB(A)	44,0	44,0	45,0	45,0	45,0	45,0
Average	dB(A)	47,0	47,0	48,0	48,0	49,0	49,0
Maximum	dB(A)	50,0	50,0	52,0	52,0	53,0	53,0
Sound pressure (5)							
Minimum	dB(A)	34,0	34,0	35,0	35,0	35,0	35,0
Average	dB(A)	37,0	37,0	38,0	38,0	39,0	39,0
Maximum	dB(A)	40,0	40,0	42,0	42,0	43,0	43,0
Refrigeration pipework							
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")					
Diameter of refrigerant gas connections	mm (inch)	12,7 (1/2")					
Power supply							
Indoor unit power supply		220-240V ~ 50Hz					
Indoor unit							
Condensate discharge diameter	mm	25,0	25,0	25,0	25,0	25,0	25,0

		MVA901DH	MVA1001DH	MVA1121DH	MVA1251DH	MVA1401DH	MVA1601DH
Nominal cooling performances							
Cooling capacity (1)	kW	9,00	10,00	11,20	12,50	14,00	16,00
Nominal heating performances							
Heating capacity (2)	kW	10,00	11,20	12,50	14,00	16,00	18,00
Electric data							
Rated power input (3)	W	140	140	160	160	220	230
Fan							
Type	type	Inverter centrifugal					
Air flow rate							
Minimum	m³/h	1250	1250	1400	1400	1650	1750
Average	m³/h	1450	1450	1600	1600	1900	2000
Maximum	m³/h	1800	1800	2000	2000	2350	2500
High static pressure							
Nominal	Pa	90	90	90	90	90	90
Minimum	Pa	0	0	0	0	0	0
Maximum	Pa	200	200	200	200	200	200
Sound power (4)							
Minimum	dB(A)	48,0	48,0	50,0	50,0	51,0	52,0
Average	dB(A)	51,0	51,0	52,0	52,0	53,0	54,0
Maximum	dB(A)	54,0	54,0	55,0	55,0	56,0	57,0
Sound pressure (5)							
Minimum	dB(A)	38,0	38,0	40,0	40,0	41,0	42,0
Average	dB(A)	41,0	41,0	42,0	42,0	43,0	44,0
Maximum	dB(A)	44,0	44,0	45,0	45,0	46,0	47,0
Refrigeration pipework							
Diameter of liquid refrigerant connections	mm (inch)	9,52 (3/8")					
Diameter of refrigerant gas connections	mm (inch)	15,9 (5/8")					19,05 (3/4")
Power supply							
Indoor unit power supply		220-240V ~ 50Hz					
Indoor unit							
Condensate discharge diameter	mm	25,0	25,0	25,0	25,0	25,0	25,0

		MVA 2240 DH		MVA 2800 DH	
Nominal cooling performances					
Cooling capacity (1)	kW	22,40		28,00	
Nominal heating performances					
Heating capacity (2)	kW	24,00		30,00	
Electric data					
Rated power input (3)	W	960		1250	
Fan					
Type	type				
Air flow rate					
Minimum	m³/h	-		-	
Average	m³/h	-		-	
Maximum	m³/h	4000		4400	
High static pressure					
Nominal	Pa	150		150	
Minimum	Pa	-		-	
Maximum	Pa	-		-	
Sound power (4)					
Minimum	dB(A)	59,0		60,0	
Average	dB(A)	62,0		62,0	
Maximum	dB(A)	64,0		65,0	
Sound pressure (5)					
Minimum	dB(A)	49,0		50,0	
Average	dB(A)	52,0		52,0	
Maximum	dB(A)	54,0		55,0	
Refrigeration pipework					
Diameter of liquid refrigerant connections	mm (inch)	19,05 (3/4")		22,2 (7/8")	
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")			
Power supply					
Indoor unit power supply		220-240V ~ 50Hz			
Indoor unit					
Condensate discharge diameter	mm	30,0		30,0	

(1) Cooling (EN 14511 and EN 14825) ambient air temperature 27 °C d.b. / 19 °C w.b.; outside air temperature 35 °C; turbo speed; length of refrigerant lines 5 m.

(2) Heating (EN 14511 and EN 14825) ambient air temperature 20 °C d.b.; outside air temperature 7 °C d.b. / 6 °C w.b.; turbo speed; length of refrigerant lines 5 m.

(3) The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN 60335-1 and EN 60335-2-40.

(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.

(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MVA_DV

		MVA220DV	MVA280DV	MVA360DV	MVA450DV	MVA560DV	MVA630DV	MVA710DV
Nominal cooling performances								
Cooling capacity (1)	kW	2,20	2,80	3,60	4,50	5,60	6,30	7,10
Nominal heating performances								
Heating capacity (2)	kW	2,50	3,20	4,00	5,00	6,30	7,10	8,00
Electric data								
Rated power input (3)	W	35	35	43	45	80	80	90
Fan								
Type	type	Inverter centrifugal						
Air flow rate								
Minimum	m³/h	250	250	350	400	600	600	700
Average	m³/h	350	350	450	500	750	750	900
Maximum	m³/h	450	450	550	650	900	900	1100
High static pressure								
Nominal	Pa	10	10	10	15	15	15	15
Minimum	Pa	0	0	0	0	0	0	0
Maximum	Pa	40	40	40	60	60	60	60
Sound power (4)								
Minimum	dB(A)	35,0	35,0	38,0	38,0	40,0	40,0	43,0
Average	dB(A)	38,0	38,0	41,0	41,0	43,0	43,0	45,0
Maximum	dB(A)	40,0	40,0	43,0	43,0	45,0	45,0	47,0
Sound pressure (5)								
Minimum	dB(A)	25,0	25,0	28,0	28,0	30,0	30,0	33,0
Average	dB(A)	28,0	28,0	31,0	31,0	33,0	33,0	35,0
Maximum	dB(A)	30,0	30,0	33,0	33,0	35,0	35,0	37,0
Refrigeration pipework								
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")					9,52 (3/8")	
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")			12,7 (1/2")		15,9 (5/8")	
Power supply								
Indoor unit power supply		220-240V ~ 50Hz						
Indoor unit								
Condensate discharge diameter	mm	25,0	25,0	25,0	25,0	25,0	25,0	25,0

(1) Cooling (EN 14511 and EN 14825) ambient air temperature 27 °C d.b. / 19 °C w.b.; outside air temperature 35 °C; turbo speed; length of refrigerant lines 5 m.

(2) Heating (EN 14511 and EN 14825) ambient air temperature 20 °C d.b.; outside air temperature 7 °C d.b. / 6 °C w.b.; turbo speed; length of refrigerant lines 5 m.

(3) The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN 60335-1 and EN 60335-2-40.

(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.

(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MVA_CS

		MVA151CS	MVA181CS	MVA221CS	MVA281CS	MVA361CS	MVA451CS	MVA501CS	MVA561CS
Nominal cooling performances									
Cooling capacity (1)	kW	1,50	1,80	2,20	2,80	3,60	4,50	5,00	5,60
Nominal heating performances									
Heating capacity (2)	kW	1,80	2,20	2,50	3,20	4,00	5,00	5,60	6,30
Electric data									
Rated power input (3)	W	30	30	30	30	30	45	45	45
Fan									
Type	type	Inverter centrifugal							
Air flow rate									
Minimum	m³/h	370	370	370	420	480	560	560	560
Average	m³/h	420	420	460	480	550	650	650	650
Maximum	m³/h	460	460	500	570	620	730	730	730
Sound power (4)									
Minimum	dB(A)	39,0	39,0	39,0	42,0	45,0	53,0	43,0	53,0
Average	dB(A)	44,0	44,0	45,0	47,0	49,0	55,0	55,0	55,0
Maximum	dB(A)	47,0	47,0	50,0	50,0	52,0	57,0	57,0	57,0
Sound pressure (5)									
Minimum	dB(A)	25,0	25,0	25,0	28,0	31,0	39,0	39,0	39,0
Average	dB(A)	30,0	30,0	31,0	33,0	35,0	41,0	41,0	41,0
Maximum	dB(A)	33,0	33,0	36,0	36,0	38,0	43,0	43,0	43,0
Refrigeration pipework									
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")				6,35 (1/4")		9,52 (3/8")	
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")			12,7 (1/2")			15,9 (5/8")	
Power supply									
Indoor unit power supply		220-240V ~ 50Hz							
Indoor unit									
Condensate discharge diameter	mm	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0

(1) Cooling (EN 14511 and EN 14825) ambient air temperature 27 °C d.b. / 19 °C w.b.; outside air temperature 35 °C; turbo speed; length of refrigerant lines 5 m.

(2) Heating (EN 14511 and EN 14825) ambient air temperature 20 °C d.b.; outside air temperature 7 °C d.b. / 6 °C w.b.; turbo speed; length of refrigerant lines 5 m.

(3) The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN 60335-1 and EN 60335-2-40.

(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.

(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MVA_C

		MVA221C	MVA281C	MVA361C	MVA451C	MVA501C	MVA561C	MVA631C
Nominal cooling performances								
Cooling capacity (1)	kW	2,20	2,80	3,60	4,50	5,00	5,60	6,30
Nominal heating performances								
Heating capacity (2)	kW	2,50	3,20	4,00	5,00	5,60	6,30	7,10
Electric data								
Rated power input (3)	W	26	26	26	26	28	35	60
Fan								
Type	type	Inverter centrifugal						
Air flow rate								
Minimum	m³/h	600	600	600	600	700	750	850
Average	m³/h	700	700	700	700	800	850	950
Maximum	m³/h	800	800	800	800	900	950	1150
Sound power (4)								
Minimum	dB(A)	42,0	42,0	42,0	42,0	43,0	44,0	45,0
Average	dB(A)	44,0	44,0	44,0	44,0	46,0	47,0	48,0
Maximum	dB(A)	47,0	47,0	47,0	48,0	49,0	51,0	51,0
Sound pressure (5)								
Minimum	dB(A)	28,0	28,0	28,0	28,0	29,0	30,0	31,0
Average	dB(A)	30,0	30,0	30,0	30,0	32,0	33,0	34,0
Maximum	dB(A)	33,0	33,0	33,0	34,0	35,0	37,0	37,0
Refrigeration pipework								
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")			9,52 (3/8")			
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")			12,7 (1/2")			15,9 (5/8")
Power supply								
Indoor unit power supply		220-240V ~ 50Hz						
Indoor unit								
Condensate discharge diameter	mm	25,0	25,0	25,0	25,0	25,0	25,0	25,0

		MVA711C	MVA801C	MVA901C	MVA1001C	MVA1121C	MVA1251C	MVA1401C
Nominal cooling performances								
Cooling capacity (1)	kW	7,10	8,00	9,00	10,00	11,20	12,50	14,00
Nominal heating performances								
Heating capacity (2)	kW	8,00	9,00	10,00	11,20	12,50	14,00	16,00
Electric data								
Rated power input (3)	W	60	85	85	85	115	115	115
Fan								
Type	type	Inverter centrifugal						
Air flow rate								
Minimum	m³/h	850	900	900	900	1100	1100	1100
Average	m³/h	950	1000	1000	1000	1300	1300	1300
Maximum	m³/h	1150	1250	1250	1250	1650	1650	1650
Sound power (4)								
Minimum	dB(A)	45,0	48,0	48,0	48,0	53,0	53,0	53,0
Average	dB(A)	48,0	51,0	51,0	51,0	55,0	55,0	55,0
Maximum	dB(A)	51,0	53,0	53,0	53,0	57,0	57,0	57,0
Sound pressure (5)								
Minimum	dB(A)	31,0	34,0	34,0	34,0	39,0	39,0	39,0
Average	dB(A)	34,0	37,0	37,0	37,0	41,0	41,0	41,0
Maximum	dB(A)	37,0	39,0	39,0	39,0	43,0	43,0	43,0
Refrigeration pipework								
Diameter of liquid refrigerant connections	mm (inch)	9,52 (3/8")						
Diameter of refrigerant gas connections	mm (inch)	15,9 (5/8")						
Power supply								
Indoor unit power supply		220-240V ~ 50Hz						
Indoor unit								
Condensate discharge diameter	mm	25,0	25,0	25,0	25,0	25,0	25,0	25,0

(1) Cooling (EN 14511 and EN 14825) ambient air temperature 27 °C d.b. / 19 °C w.b.; outside air temperature 35 °C; turbo speed; length of refrigerant lines 5 m.

(2) Heating (EN 14511 and EN 14825) ambient air temperature 20 °C d.b.; outside air temperature 7 °C d.b. / 6 °C w.b.; turbo speed; length of refrigerant lines 5 m.

(3) The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN 60335-1 and EN 60335-2-40.

(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.

(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MVA_CB

MVA1600CB		
Nominal cooling performances		
Cooling capacity (1)	kW	16,00
Nominal heating performances		
Heating capacity (2)	kW	17,50
Electric data		
Rated power input (3)	W	130
Fan		
Type	type	Inverter centrifugal
Air flow rate		
Minimum	m ³ /h	1400
Average	m ³ /h	1700
Maximum	m ³ /h	2100
Sound power (4)		
Minimum	dB(A)	52,0
Average	dB(A)	54,0
Maximum	dB(A)	57,0
Sound pressure (5)		
Minimum	dB(A)	42,0
Average	dB(A)	44,0
Maximum	dB(A)	47,0
Refrigeration pipework		
Diameter of liquid refrigerant connections	mm (inch)	9,52 (3/8")
Diameter of refrigerant gas connections	mm (inch)	19,05 (3/4")
Power supply		
Indoor unit power supply		220-240V ~ 50Hz
Indoor unit		
Condensate discharge diameter	mm	25,0

(1) Cooling (EN 14511 and EN 14825) ambient air temperature 27 °C d.b. / 19 °C w.b.; outside air temperature 35 °C; turbo speed; length of refrigerant lines 5 m.

(2) Heating (EN 14511 and EN 14825) ambient air temperature 20 °C d.b.; outside air temperature 7 °C d.b. / 6 °C w.b.; turbo speed; length of refrigerant lines 5 m.

(3) The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN 60335-1 and EN 60335-2-40.

(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.

(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MVA_C1

		MVA220C1	MVA280C1	MVA360C1	MVA450C1	MVA500C1
Nominal cooling performances						
Cooling capacity (1)	kW	2,20	2,80	3,60	4,50	5,00
Nominal heating performances						
Heating capacity (2)	kW	2,50	3,20	4,00	5,00	5,60
Electric data						
Rated power input (3)	W	30	30	30	30	30
Fan						
Type	type	Inverter tangential				
Air flow rate						
Minimum	m³/h	450	450	450	500	500
Average	m³/h	500	500	500	600	600
Maximum	m³/h	600	600	600	830	830
Sound power (4)						
Minimum	dB(A)	38,0	38,0	38,0	40,0	40,0
Average	dB(A)	42,0	42,0	42,0	45,0	45,0
Maximum	dB(A)	46,0	46,0	46,0	50,0	50,0
Sound pressure (5)						
Minimum	dB(A)	28,0	28,0	28,0	30,0	30,0
Average	dB(A)	32,0	32,0	32,0	35,0	35,0
Maximum	dB(A)	36,0	36,0	36,0	40,0	40,0
Refrigeration pipework						
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")				
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")				
Power supply						
Indoor unit power supply		220-240V ~ 50Hz				
Indoor unit						
Condensate discharge diameter	mm	25,0	25,0	25,0	25,0	25,0

(1) Cooling (EN 14511 and EN 14825) ambient air temperature 27 °C d.b. / 19 °C w.b.; outside air temperature 35 °C; turbo speed; length of refrigerant lines 5 m.

(2) Heating (EN 14511 and EN 14825) ambient air temperature 20 °C d.b.; outside air temperature 7 °C d.b. / 6 °C w.b.; turbo speed; length of refrigerant lines 5 m.

(3) The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN 60335-1 and EN 60335-2-40.

(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.

(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MVA_F

		MVA281F	MVA361F	MVA501F	MVA561F	MVA631F	MVA711F	MVA901F	MVA1121F	MVA1251F	MVA1401F
Nominal cooling performances											
Cooling capacity (1)	kW	2,80	3,60	5,00	5,60	6,30	7,10	9,00	11,20	12,50	14,00
Nominal heating performances											
Heating capacity (2)	kW	3,20	4,00	5,60	6,30	7,10	8,00	10,00	12,50	14,00	16,00
Electric data											
Rated power input (3)	W	35	35	55	55	80	80	120	120	120	150
Fan											
Type	type	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal
Air flow rate											
Minimum	m³/h	450	450	600	600	1050	1050	1250	1400	1400	1600
Average	m³/h	500	500	650	650	1200	1200	1400	1600	1600	1750
Maximum	m³/h	600	600	750	750	1350	1350	1550	1800	1800	2000
Sound power (4)											
Minimum	dB(A)	45,0	45,0	48,0	48,0	54,0	54,0	54,0	54,0	54,0	55,0
Average	dB(A)	48,0	48,0	51,0	51,0	57,0	57,0	56,0	56,0	56,0	57,0
Maximum	dB(A)	52,0	52,0	54,0	54,0	60,0	60,0	59,0	59,0	59,0	61,0
Sound pressure (5)											
Minimum	dB(A)	29,0	29,0	36,0	36,0	38,0	38,0	41,0	42,0	42,0	43,0
Average	dB(A)	32,0	32,0	39,0	39,0	41,0	41,0	44,0	44,0	44,0	45,0
Maximum	dB(A)	36,0	36,0	42,0	42,0	44,0	44,0	47,0	47,0	47,0	49,0
Refrigeration pipework											
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")	12,7 (1/2")	12,7 (1/2")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")
Power supply											
Indoor unit power supply		220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz
Power supply 60Hz											
Indoor unit power supply		208-230V ~ 60Hz	208-230V ~ 60Hz	208-230V ~ 60Hz	208-230V ~ 60Hz	208-230V ~ 60Hz	208-230V ~ 60Hz	208-230V ~ 60Hz	208-230V ~ 60Hz	208-230V ~ 60Hz	208-230V ~ 60Hz
Indoor unit											
Condensate discharge diameter	mm	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0

MVA1601F

Nominal cooling performances		
Cooling capacity (1)	kW	16,00
Nominal heating performances		
Heating capacity (2)	kW	18,00
Electric data		
Rated power input (3)	W	175
Fan		
Type	type	Inverter centrifugal
Air flow rate		
Minimum	m³/h	1650
Average	m³/h	1850
Maximum	m³/h	2150
Sound power (4)		
Minimum	dB(A)	57,0
Average	dB(A)	60,0
Maximum	dB(A)	64,0
Sound pressure (5)		
Minimum	dB(A)	45,0
Average	dB(A)	48,0
Maximum	dB(A)	52,0
Refrigeration pipework		
Diameter of liquid refrigerant connections	mm (inch)	9,52 (3/8")
Diameter of refrigerant gas connections	mm (inch)	19,05 (3/4")
Power supply		
Indoor unit power supply		220-240V ~ 50Hz
Power supply 60Hz		
Indoor unit power supply		208-230V ~ 60Hz
Indoor unit		
Condensate discharge diameter	mm	17,0

(1) Cooling (EN 14511 and EN 14825) ambient air temperature 27 °C d.b. / 19 °C w.b.; outside air temperature 35 °C; turbo speed; length of refrigerant lines 5 m.

(2) Heating (EN 14511 and EN 14825) ambient air temperature 20 °C d.b.; outside air temperature 7 °C d.b. / 6 °C w.b.; turbo speed; length of refrigerant lines 5 m.

(3) The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN 60335-1 and EN 60335-2-40.

(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.

(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MVA_FS

		MVA220FS	MVA280FS	MVA360FS	MVA450FS	MVA500FS
Nominal cooling performances						
Cooling capacity (1)	kW	2,20	2,80	3,60	4,50	5,00
Nominal heating performances						
Heating capacity (2)	kW	2,50	3,20	4,00	5,00	5,50
Electric data						
Rated power input (3)	W	15	15	20	40	40
Fan						
Type	type	Inverter centrifugal				
Air flow rate						
Minimum	m³/h	270	270	310	500	500
Average	m³/h	320	320	400	600	600
Maximum	m³/h	400	400	480	680	680
Sound power (4)						
Minimum	dB(A)	37,0	37,0	42,0	49,0	49,0
Average	dB(A)	43,0	43,0	47,0	53,0	53,0
Maximum	dB(A)	48,0	48,0	50,0	56,0	56,0
Sound pressure (5)						
Minimum	dB(A)	27,0	27,0	32,0	39,0	39,0
Average	dB(A)	33,0	33,0	37,0	43,0	43,0
Maximum	dB(A)	38,0	38,0	40,0	46,0	46,0
Refrigeration pipework						
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")				
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")			12,7 (1/2")	
Power supply						
Indoor unit power supply		220-240V ~ 50Hz				
Indoor unit						
Condensate discharge diameter	mm	17,2	17,2	17,2	17,2	17,2

(1) Cooling (EN 14511 and EN 14825) ambient air temperature 27 °C d.b. / 19 °C w.b.; outside air temperature 35 °C; turbo speed; length of refrigerant lines 5 m.

(2) Heating (EN 14511 and EN 14825) ambient air temperature 20 °C d.b.; outside air temperature 7 °C d.b. / 6 °C w.b.; turbo speed; length of refrigerant lines 5 m.

(3) The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN 60335-1 and EN 60335-2-40.

(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.

(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MVA_V

		MVA1000V	MVA1400V
Nominal cooling performances			
Cooling capacity (1)	kW	10,00	14,00
Nominal heating performances			
Heating capacity (2)	kW	11,00	15,00
Electric data			
Rated power input (3)	W	200	200
Fan			
Type	type	Inverter centrifugal	
Air flow rate			
Minimum	m³/h	1400	1400
Average	m³/h	1600	1600
Maximum	m³/h	1850	1850
Sound power (4)			
Minimum	dB(A)	56,0	56,0
Average	dB(A)	58,0	58,0
Maximum	dB(A)	60,0	60,0
Sound pressure (5)			
Minimum	dB(A)	46,0	46,0
Average	dB(A)	48,0	48,0
Maximum	dB(A)	50,0	50,0
Refrigeration pipework			
Diameter of liquid refrigerant connections	mm (inch)	9,52 (3/8")	
Diameter of refrigerant gas connections	mm (inch)	15,9 (5/8")	
Power supply			
Indoor unit power supply		220-240V ~ 50Hz	
Indoor unit			
Condensate discharge diameter	mm	31,0	31,0

(1) Cooling (EN 14511 and EN 14825) ambient air temperature 27 °C d.b. / 19 °C w.b.; outside air temperature 35 °C; turbo speed; length of refrigerant lines 5 m.

(2) Heating (EN 14511 and EN 14825) ambient air temperature 20 °C d.b.; outside air temperature 7 °C d.b. / 6 °C w.b.; turbo speed; length of refrigerant lines 5 m.

(3) The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN 60335-1 and EN 60335-2-40.

(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.

(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MVA_ERV

		MVA500ERV	MVA800ERV	MVA1000ERV
Nominal cooling performances				
Cooling capacity (1)	kW	8,50	12,00	14,50
Cooling capacity of finned pack heat exchanger (2)	kW	3,60	6,30	8,00
Nominal heating performances				
Heating capacity (3)	kW	4,00	10,60	12,00
Heating capacity of finned pack heat exchanger	kW	2,00	8,04	8,40
Heat recovery unit				
Unit type		UVNR	UVNR	UVNR
Thermal efficiency (4)	%	73	74	73
Fans				
Commissioning	type	Speed variator	Speed variator	Speed variator
SFP int	W/(m ³ /s)	1099,57	1118,00	1059,20
Nominal external pressure Δp (5)	Pa	150	150	150
Type of fan	Type	Centrifugal	Centrifugal	Centrifugal
Nominal air flow rate	m ³ /h	500	800	1000
Sound data				
Sound power level	dB(A)	55,0	59,0	62,0
General data				
Rated power input	W	270	440	640
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")	9,52 (3/8")	9,52 (3/8")
Diameter of refrigerant gas connections	mm (inch)	12,7 (1/2")	15,9 (5/8")	15,9 (5/8")
Condensate discharge diameter	mm	26,0	26,0	26,0
Heat recovery unit				
Power supply		220-240V ~ 50/60Hz	220-240V ~ 50/60Hz	220-240V ~ 50/60Hz

(1) Cooling: room air temperature 27 °C d.b. / 19.5 °C w.b.; outside air temperature 35 °C; turbo speed; cooling line length 5 m; indoor and outdoor units at the same height.

(2) Use the finned pack heat exchanger power (cooling) to make the calculation and select the unit.

(3) Heating: room air temperature 20 °C d.b.; outside air temperature 7 °C d.b. / 6 °C w.b.; turbo speed; cooling line length 5 m; indoor and outdoor units at the same height.

(4) Thermal efficiency complying with European regulation EU 1253/2014.

(5) Performances referring to clean filters.

The air flow rate is calculated on the basis of the nominal high static pressure at high fan speed. It may vary according to the real installation conditions.

The nominal static pressure is the effective pressure value declared for a standard unit when it leaves the factory. The use of other filters may alter the unit performance values.

2-PIPE SYSTEM OUTDOOR UNIT PERFORMANCE DATA

		MVAS 1201S	MVAS 1201T	MVAS 1401S	MVAS 1401T	MVAS 1601S	MVAS 1601T	MVAS 2242T	MVAS 2802T	MVAS 3351T
Nominal cooling performances										
Cooling capacity	kW	12,10	12,10	14,00	14,00	16,00	16,00	22,40	28,00	33,50
Cooling input power	kW	3,03	3,03	3,59	3,59	4,75	4,75	6,12	7,78	9,57
Cooling input current	A	-	-	-	-	-	-	10,9	13,9	17,1
EER	W/W	3,99	3,99	3,90	3,90	3,37	3,37	3,66	3,60	3,50
Nominal heating performances										
Heating capacity	kW	14,00	14,00	16,50	16,50	18,00	18,00	24,00	30,00	35,00
Heating input power	kW	3,27	3,27	3,95	3,95	4,65	4,65	4,90	6,12	7,14
Heating input current	A	-	-	-	-	-	-	8,8	10,9	12,8
COP	W/W	4,28	4,28	4,18	4,18	3,87	3,87	4,90	4,90	4,90
Fan										
Type	type	Inverter axial								
Number	no.	2	2	2	2	2	2	2	2	2
Air flow rate										
Nominal	m³/h	6000	6000	6300	6300	6600	6600	8000	11000	11000
Sound pressure										
Nominal	dB(A)	57,0	57,0	58,0	58,0	58,0	58,0	63,0	65,0	65,0
Compressor										
Type	type	Scroll inverter								
Number	no.	1	1	1	1	1	1	1	1	1
Refrigerant	type	R410A								
Refrigerant charge	kg	3,3	3,3	3,3	3,3	3,3	3,3	5,5	7,1	80,0
Electric data										
Rated power input	kW	-	-	-	-	-	-	9,6	12,5	13,7
Rated current input	A	30,4	11,1	33,7	12,0	36,3	12,5	17,2	22,4	24,5
Refrigeration pipework										
Maximum refrigerant tube length	m	300	300	300	300	300	300	300	300	300
Power supply										
Outdoor unit power supply		230V~50Hz	400V~3N~50Hz	230V~50Hz	400V~3N~50Hz	230V~50Hz		400V~3N~50Hz		
		MVAM 2241T	MVAM 2801T	MVAM 3351T	MVAM 4001T	MVAM 4501T	MVAM 5041T	MVAM 5601T	MVAM 6151T	
Nominal cooling performances										
Cooling capacity (1)	kW	22,40	28,00	33,50	40,00	45,00	50,40	56,00	61,50	
Cooling input power (1)	kW	4,74	6,25	8,40	10,53	12,82	15,75	20,00	29,29	
Cooling input current	A	8,5	11,2	15,0	18,8	22,9	28,2	35,8	52,4	
EER (2)	W/W	4,73	4,48	3,99	3,80	3,51	3,20	2,80	2,10	
Nominal heating performances										
Heating capacity (3)	kW	25,00	31,50	37,50	45,00	50,00	56,50	63,00	69,00	
Heating input power (3)	kW	4,81	5,67	7,14	9,51	10,86	14,10	16,60	18,90	
Heating input current	A	8,6	10,1	12,8	17,0	19,4	25,2	29,7	33,8	
COP (2)	W/W	5,20	5,56	5,25	4,73	4,60	4,01	3,80	3,65	
Fan										
Type	type	Inverter axial								
Number	no.	1	1	1	2	2	2	2	2	
Air flow rate										
Nominal	m³/h	11400	11400	14000	14000	16000	16000	16000	16000	
Sound pressure (4)										
Nominal	dB(A)	60,0	61,0	63,0	63,0	63,0	63,0	63,0	64,0	
Compressor										
Type	type	Scroll inverter								
Number	no.	1	1	1	2	2	2	2	2	
Refrigerant	type	R410A								
Refrigerant charge	kg	5,9	9,0	8,2	9,8	10,3	11,3	14,3	14,3	
Electric data										
Rated power input (5)	kW	9,0	11,7	13,8	16,1	18,6	25,0	28,0	30,0	
Rated current input (5)	A	16,1	20,9	24,6	28,8	33,2	44,7	50,0	53,6	
Refrigeration pipework										
Type refrigerant connections	Type	To be soldered								
Diameter of liquid refrigerant connections	mm (inch)	9,52 (3/8")			12,7 (1/2")			15,9 (5/8")		
Diameter of refrigerant gas connections	mm (inch)	19,05 (3/4")		22,2 (7/8")		25,4 (1")		28,6 (1" 1/8)		
Maximum refrigerant tube length	m	1000	1000	1000	1000	1000	1000	1000	1000	
Power supply										
Outdoor unit power supply		380-415V ~ 3N ~ 50Hz								

(1) Cooling (EN 14511 and EN 14825) ambient air temperature 27 °C d.b. / 19 °C w.b.; outside air temperature 35 °C; turbo speed; length of refrigerant lines 5 m.

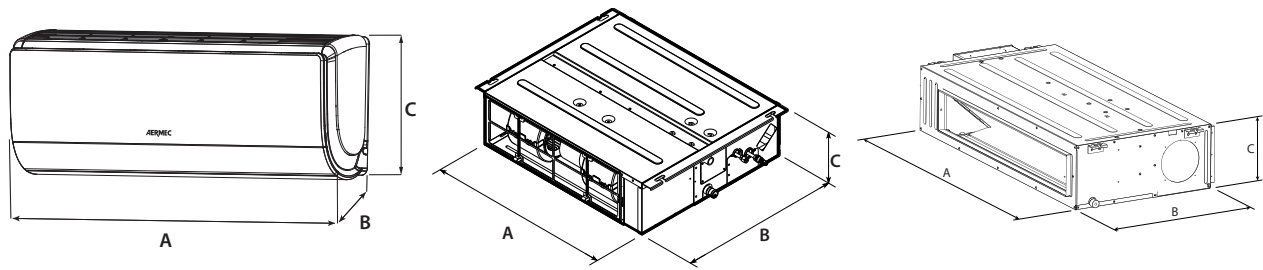
(2) EER/COP in accordance with the Standard (EN 14511), only declared for the purposes of the tax deductions in force at the time of this publication.

(3) Heating (EN 14511 and EN 14825) ambient air temperature 20 °C d.b.; outside air temperature 7 °C d.b. / 6 °C w.b.; turbo speed; length of refrigerant lines 5 m.

(4) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

(5) The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN 60335-1 and EN 60335-2-40.

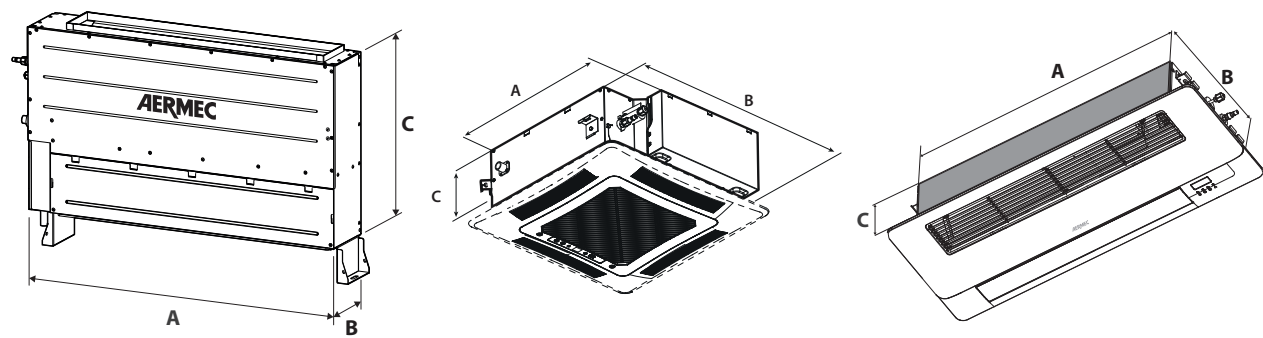
INDOOR UNIT WEIGHTS AND DIMENSIONS



MVA_WL

MVA_D

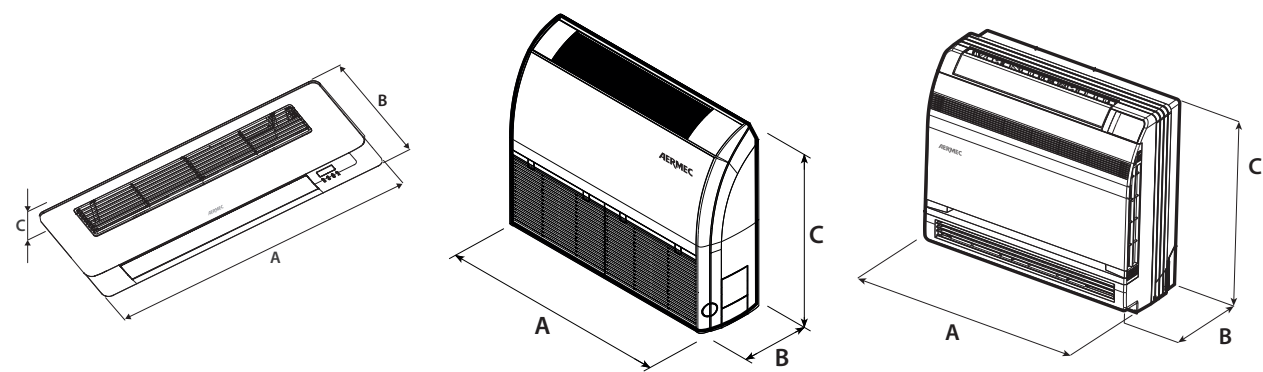
MVA_DH



MVA_DV

MVA_C / MVA_CS / MVA_CB

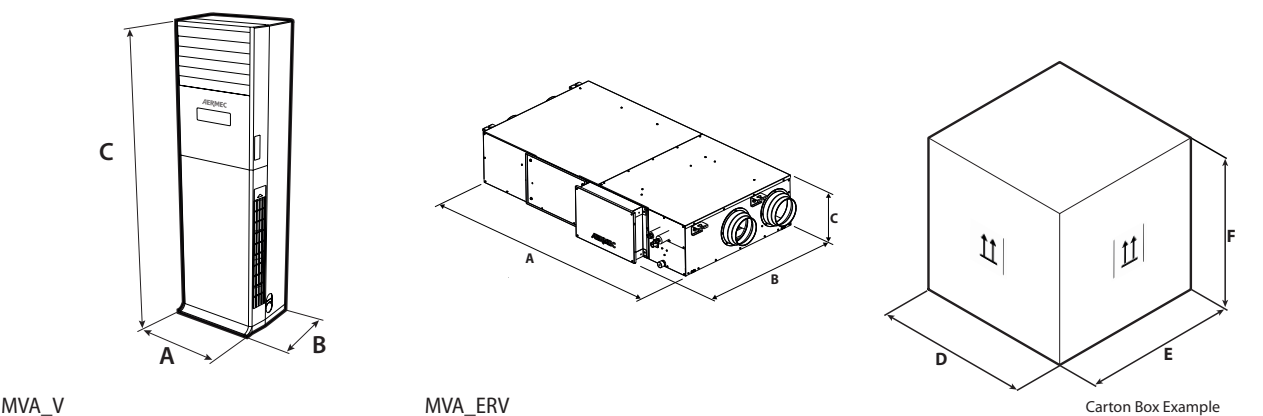
MVA_C1



GLC1

MVA_F

MVA_FS



MVA_V

MVA_ERV

Carton Box Example

MVA_WL

		MVA220WL	MVA280WL	MVA360WL	MVA450WL	MVA500WL	MVA560WL	MVA630WL	MVA710WL
Indoor unit									
A	mm	845	845	845	970	970	1078	1078	1078
B	mm	209	209	209	224	224	246	246	246
C	mm	289	289	289	300	300	325	325	325
D	mm	976	976	976	1096	1096	1203	1203	1203
E	mm	281	281	281	320	320	350	350	350
F	mm	379	379	379	383	383	413	413	413
Net weight	kg	11,00	11,00	11,00	13,00	13,00	16,00	16,00	16,00
Weight for transport	kg	13,00	13,00	13,00	16,00	16,00	19,00	19,00	19,00

MVA_D

		MVA221D	MVA251D	MVA281D	MVA321D	MVA361D	MVA401D	MVA451D	MVA501D	MVA561D
Indoor unit										
A	mm	710	710	710	710	710	1010	1010	1010	1010
B	mm	462	462	462	462	462	462	462	462	462
C	mm	200	200	200	200	200	200	200	200	200
D	mm	1008	1008	1008	1008	1008	1308	1308	1308	1308
E	mm	568	568	568	568	568	568	568	568	568
F	mm	275	275	275	275	275	275	275	275	275
Net weight	kg	19,00	19,00	19,00	19,00	19,00	25,00	25,00	25,00	25,00
Weight for transport	kg	24,00	24,00	24,00	24,00	24,00	31,00	31,00	31,00	31,00

		MVA631D	MVA711D	MVA801D	MVA901D	MVA1001D	MVA1121D	MVA1251D	MVA1401D
Indoor unit									
A	mm	1010	1310	1200	1340	1340	1340	1340	1340
B	mm	462	462	655	655	655	655	655	655
C	mm	200	200	260	260	260	260	260	260
D	mm	1308	1608	1448	1588	1588	1588	1588	1588
E	mm	568	568	858	858	858	858	858	858
F	mm	275	275	315	315	315	315	315	315
Net weight	kg	25,00	31,00	39,00	46,00	46,00	46,00	47,00	47,00
Weight for transport	kg	31,00	38,00	48,00	55,00	55,00	55,00	56,00	56,00

MVA_DH

		MVA221DH	MVA251DH	MVA281DH	MVA321DH	MVA361DH	MVA401DH
Indoor unit							
A	mm	700	700	700	700	700	700
B	mm	700	700	700	700	700	700
C	mm	300	300	300	300	300	300
D	mm	897	897	897	897	897	897
E	mm	808	808	808	808	808	808
F	mm	362	362	362	362	362	362
Net weight	kg	32,00	32,00	32,00	32,00	32,00	34,00
Weight for transport	kg	38,00	38,00	38,00	38,00	38,00	40,00

		MVA451DH	MVA501DH	MVA561DH	MVA631DH	MVA711DH	MVA801DH
Indoor unit							
A	mm	700	700	1000	1000	1000	1000
B	mm	700	700	700	700	700	700
C	mm	300	300	300	300	300	300
D	mm	897	897	1205	1205	1205	1205
E	mm	808	808	813	813	813	813
F	mm	362	362	360	360	360	360
Net weight	kg	34,00	34,00	43,00	43,00	43,00	43,00
Weight for transport	kg	40,00	40,00	49,00	49,00	49,00	49,00

		MVA901DH	MVA1001DH	MVA1121DH	MVA1251DH	MVA1401DH	MVA1601DH
Indoor unit							
A	mm	1400	1400	1400	1400	1400	1400
B	mm	700	700	700	700	700	700
C	mm	300	300	300	300	300	300
D	mm	1601	1601	1601	1601	1678	1678
E	mm	813	813	813	813	808	808
F	mm	365	365	365	365	365	365
Net weight	kg	57,00	57,00	57,00	57,00	57,00	57,00
Weight for transport	kg	64,00	64,00	64,00	64,00	67,00	67,00

		MVA2240DH	MVA2800DH
Indoor unit			
A	mm	1483	1686
B	mm	791	870
C	mm	385	450
D	mm	1758	1788
E	mm	883	988
F	mm	470	580
Net weight	kg	82,00	105,00
Weight for transport	kg	104,00	140,00

MVA_DV

		MVA220DV	MVA280DV	MVA360DV	MVA450DV	MVA560DV	MVA630DV	MVA710DV
Indoor unit								
A	mm	700	700	700	900	1100	1100	1100
B	mm	200	200	200	200	200	200	200
C	mm	615	615	615	615	615	615	615
D	mm	893	893	893	1123	1323	1323	1323
E	mm	305	305	305	305	305	305	305
F	mm	743	743	743	743	743	743	743
Net weight	kg	23,00	23,00	23,00	27,00	32,00	32,00	32,00
Weight for transport	kg	30,00	30,00	30,00	36,00	41,00	41,00	41,00

MVA_CS

		MVA151CS	MVA181CS	MVA221CS	MVA281CS	MVA361CS	MVA451CS	MVA501CS	MVA561CS
Indoor unit									
A	mm	570	570	570	570	570	570	570	570
B	mm	570	570	570	570	570	570	570	570
C	mm	265	265	265	265	265	265	265	265
D	mm	698	698	698	698	698	698	698	698
E	mm	653	653	653	653	653	653	653	653
F	mm	295	295	295	295	295	295	295	295
Net weight	kg	18,00	18,00	18,00	18,00	18,00	18,00	18,00	18,00
Weight for transport	kg	23,00	23,00	23,00	23,00	23,00	23,00	23,00	23,00

MVA_C

		MVA221C	MVA281C	MVA361C	MVA451C	MVA501C	MVA561C	MVA631C
Indoor unit								
A	mm	840	840	840	840	840	840	840
B	mm	840	840	840	840	840	840	840
C	mm	240	240	240	240	240	240	240
D	mm	963	963	963	963	963	963	963
E	mm	963	963	963	963	963	963	963
F	mm	325	325	325	325	325	325	325
Net weight	kg	27,00	27,00	27,00	27,00	28,00	28,00	28,00
Weight for transport	kg	35,00	35,00	35,00	35,00	36,00	36,00	36,00

		MVA711C	MVA801C	MVA901C	MVA1001C	MVA1121C	MVA1251C	MVA1401C
Indoor unit								
A	mm	840	840	840	840	840	840	840
B	mm	840	840	840	840	840	840	840
C	mm	240	240	240	240	290	290	290
D	mm	963	963	963	963	963	963	963
E	mm	963	963	963	963	963	963	963
F	mm	325	325	325	325	375	375	375
Net weight	kg	28,00	29,00	29,00	29,00	33,00	33,00	33,00
Weight for transport	kg	36,00	37,00	37,00	37,00	42,00	42,00	42,00

MVA_CB

		MVA1600CB
Indoor unit		
A	mm	910
B	mm	910
C	mm	290
D	mm	1023
E	mm	993
F	mm	375
Net weight	kg	47,00
Weight for transport	kg	57,00

MVA_C1

		MVA220C1	MVA280C1	MVA360C1	MVA450C1	MVA500C1
Indoor unit						
A	mm	987	987	987	987	987
B	mm	385	385	385	385	385
C	mm	178	178	178	178	178
D	mm	1307	1307	1307	1307	1307
E	mm	501	501	501	501	501
F	mm	310	310	310	310	310
Net weight	kg	20,00	20,00	20,00	21,00	21,00
Weight for transport	kg	27,00	27,00	27,00	29,00	29,00

MVA_F

		MVA280F	MVA281F	MVA360F	MVA361F	MVA500F	MVA501F	MVA561F	MVA630F	MVA631F	MVA710F
Indoor unit											
A	mm	1220	870	1220	870	1220	870	870	1420	1200	1420
B	mm	225	235	225	235	225	235	235	245	235	245
C	mm	700	665	700	665	700	665	665	700	665	700
D	mm	1343	973	1343	973	1343	973	973	1548	1303	1548
E	mm	315	300	315	300	315	300	300	345	300	345
F	mm	823	770	823	770	823	770	770	828	770	828
Net weight	kg	40,00	24,00	40,00	24,00	40,00	25,00	25,00	50,00	32,00	50,00
Weight for transport	kg	49,00	29,00	49,00	29,00	49,00	30,00	30,00	58,00	38,00	58,00

		MVA711F	MVA900F	MVA901F	MVA1120F	MVA1121F	MVA1250F	MVA1251F	MVA1400F	MVA1401F	MVA1601F
Indoor unit											
A	mm	1200	1420	1200	1700	1570	1700	1570	1700	1570	1570
B	mm	235	245	235	245	235	245	235	245	235	235
C	mm	665	700	665	700	665	700	665	700	665	665
D	mm	1303	1548	1303	1828	1669	1828	1669	1828	1669	1669
E	mm	300	345	300	345	300	345	300	345	300	300
F	mm	770	828	770	828	770	828	770	828	770	770
Net weight	kg	32,00	50,00	33,00	60,00	41,00	60,00	41,00	60,00	43,00	43,00
Weight for transport	kg	38,00	58,00	39,00	68,00	48,00	68,00	48,00	68,00	50,00	50,00

MVA_FS

		MVA220FS	MVA280FS	MVA360FS	MVA450FS	MVA500FS
Indoor unit						
A	mm	700	700	700	700	700
B	mm	215	215	215	215	215
C	mm	600	600	600	600	600
D	mm	780	780	780	780	780
E	mm	285	285	285	285	285
F	mm	682	682	682	682	682
Net weight	kg	16,00	16,00	16,00	16,00	16,00
Weight for transport	kg	19,00	19,00	19,00	19,00	19,00

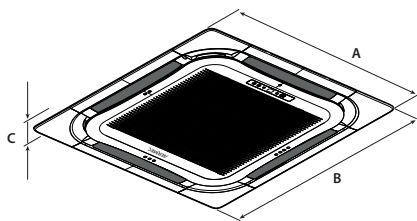
MVA_V

		MVA1000V	MVA1400V
Indoor unit			
A	mm	580	580
B	mm	400	400
C	mm	1870	1870
D	mm	738	738
E	mm	545	545
F	mm	2083	2083
Net weight	kg	54,00	57,00
Weight for transport	kg	74,00	77,00

MVA_ERV

		MVA500ERV	MVA800ERV	MVA1000ERV
Dimensions and weights				
A	mm	1700	1800	1800
B	mm	880	1185	1185
C	mm	340	390	390
D	mm	1988	2110	2110
E	mm	1138	1440	1440
F	mm	535	567	567
Net weight	kg	120,00	158,00	158,00
Weight for transport	kg	175,00	225,00	225,00

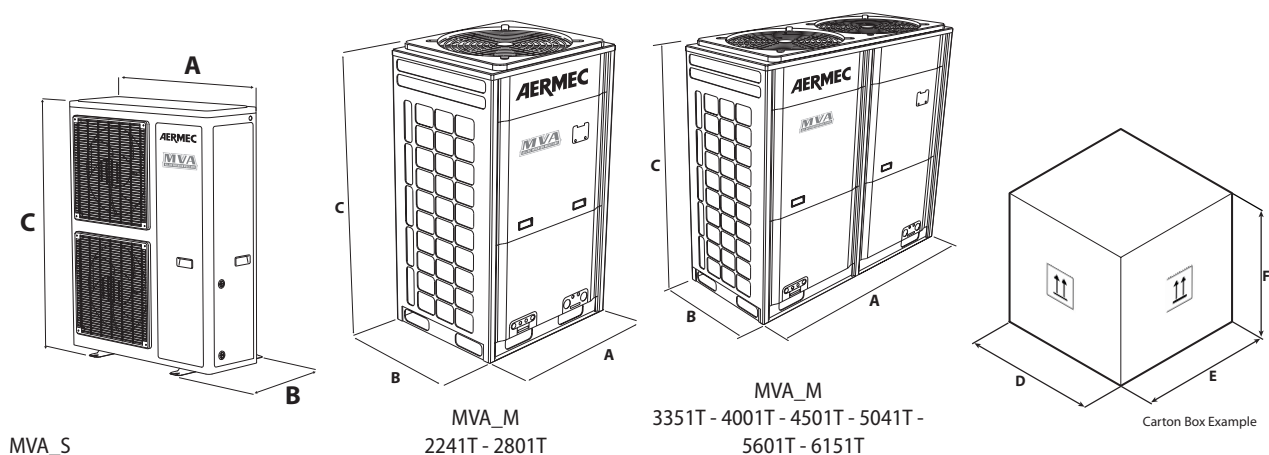
GLC1 / GL40B / GLG40S / GLG40



GLG40S / GLG40 / GL40B

		GLC1	GLG40S	GLG40	GL40B
Indoor unit					
A	mm	1200	620	950	1040
B	mm	460	620	950	1040
C	mm	55	48	52	65
D	mm	1265	701	1033	1137
E	mm	536	701	1038	1137
F	mm	118	125	112	140
Net weight	kg	4,00	3,00	6,00	8,00
Weight for transport	kg	6,00	5,00	10,00	12,00

OUTDOOR UNIT WEIGHTS AND DIMENSIONS



MVA_S

		MVAS 1201S	MVAS 1201T	MVAS 1401S	MVAS 1401T	MVAS 1601S	MVAS 1601T	MVAS 2242T	MVAS 2802T	MVAS 3351T
Outdoor unit										
A	mm	900	900	900	900	900	900	940	940	940
B	mm	340	340	340	340	340	340	320	460	460
C	mm	1345	1345	1345	1345	1345	1345	1430	1615	1615
D	mm	1408	1048	1408	1048	1408	1048	1038	1038	1038
E	mm	458	458	458	458	458	458	438	578	578
F	mm	1507	1507	1507	1507	1507	1507	1580	1765	1765
Net weight	kg	110,00	120,00	110,00	120,00	110,00	120,00	133,00	166,00	177,00
Weight for transport	kg	123,00	133,00	123,00	133,00	123,00	133,00	144,00	183,00	194,00

MVA_M

		MVAM 2241T	MVAM 2801T	MVAM 3351T	MVAM 4001T	MVAM 4501T	MVAM 5041T	MVAM 5601T	MVAM 6151T
Outdoor unit									
A	mm	930	930	1340	1340	1340	1340	1340	1340
B	mm	765	765	765	765	765	765	765	765
C	mm	1605	1605	1605	1605	1740	1740	1740	1740
D	mm	1010	1010	1420	1420	1420	1420	1420	1420
E	mm	840	840	840	840	840	840	840	840
F	mm	1775	1775	1775	1775	1910	1910	1910	1910
Net weight	kg	225,00	225,00	285,00	360,00	360,00	360,00	385,00	385,00
Weight for transport	kg	235,00	245,00	300,00	375,00	375,00	375,00	400,00	400,00

Aermec reserves the right to make any modifications deemed necessary.
All data is subject to change without notice. Aermec does not assume
responsibility or liability for errors or omissions.

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Il mondo Aermec

Fondata nel 1961 da Giordano Riello, Aermec è considerato uno dei principali fra i produttori europei di macchine per la climatizzazione. Ha rapidamente esteso il proprio know-how verso nuove applicazioni, tra cui il controllo del processo di vinificazione, il process cooling e la refrigerazione industriale in genere. Oggi Aermec, grazie all'ennesima intuizione del suo fondatore Giordano Riello, gioca un ruolo di primo piano, su scala mondiale, nelle applicazioni alle medie e basse temperature: importanti aziende del settore della refrigerazione scelgono Aermec per rispondere alle esigenze di un moderno processo tecnologico. La sfida per Aermec è stata quella di sviluppare prodotti innovativi, flessibili e robusti ad elevata efficienza, integrati in sistemi di gestione intelligenti, capaci di ridurre il consumo complessivo di energia e rispondere in maniera puntuale alle esigenze di utenti sempre più attenti ai bilanci e all'applicazione delle ultime tecnologie.

Aermec's World

Founded in 1961 by Giordano Riello, Aermec is rated one of the leading European manufacturers of air conditioning units. We were quick to extend our know-how to new applications, including wine-making process control, process cooling and industrial refrigeration in general. Today, the unfailing intuition of founder Giordano Riello has established Aermec as a key player on the world stage in medium and low temperature applications: leading businesses in the refrigeration industry choose Aermec to meet the demands of a modern hi-tech process. Our challenge has been to develop reliable, innovative, flexible and highly efficient products, integrated in smart management systems, capable of reducing overall energy consumption and catering to the demands of users who are increasingly budget conscious and discerning when it comes to applying the latest technologies.



Condizionatori ambiente

Una gamma completa, in grado di risolvere ogni problema di climatizzazione: questo è Aermec per i condizionatori d'ambiente. Completezza non solo di modelli ma di alternative e possibilità: tecnologie d'avanguardia, come quella inverter che consente di ottimizzare le prestazioni in ogni momento in relazione alla temperatura impostata e di ottenere forti risparmi energetici; versatilità di installazione, per risolvere nel migliore dei modi ogni problema di spazio. Qualità di progettazione e di materiali, potenze in raffreddamento e riscaldamento adatte a coprire tutte le esigenze sia nel settore residenziale che nel commerciale, raffinatezza di design esclusivo completano le caratteristiche della gamma, che pone Aermec a livelli di eccellenza di mercato.

Room air conditioners

A complete range of units designed to meet all climate control requirements: Aermec the answer to air conditioning. A vast choice not only in terms of models but also alternatives and possibilities: state-of-the-art technology such as the inverter that optimises performance at all times according to the set temperature to achieve maximum energy saving; versatile installation options to solve all problems of space. Quality design and materials, cooling and heating power suited to cover all requirements both in the residential and commercial sector, exclusive elegant design complete the range features, ranking Aermec among the leaders on the market.