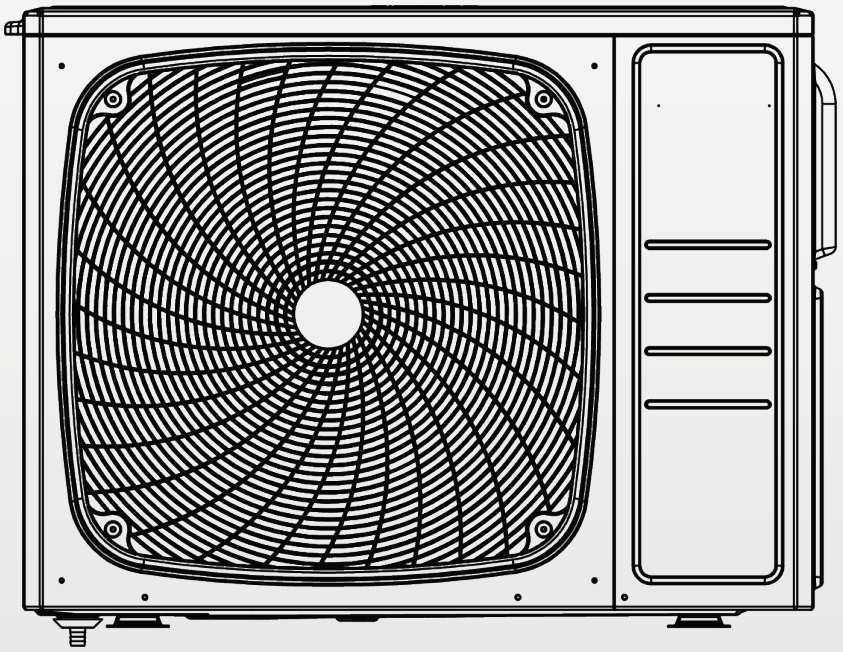
cod.0216307_EN rev.6 07/2025



AARIA MULTI R32

SERIES R32

EN INSTALLATION AND TECHNICAL SERVICE INSTRUCTIONS

RIELLO

Dear Technician,
*We would like to congratulate you on having recommended a **RIELLO** unit: a modern product that is capable of ensuring maximum comfort at length, with a high degree of reliability, efficiency, quality and safety.*
While your technical skills and knowledge will certainly be more than sufficient, this booklet contains all the information that we have deemed necessary for the device's correct and easy installation.

Thank you again, and keep up the good work.

RIELLO

COMPLIANCE

RIELLO AARIA MULTI R32 heat pumps **are compliant** with the following European Directives:

- Low Voltage Directive 2014/35/EU
- Electromagnetic Compatibility Directive 2014/30/EU
- RoHS Directive 2011/65/EU
- ErP Directive 2009/125/EC and Regulation 2012/206/EC
- WEEE Directive 2012/19/EU
- F-Gas Regulation 2014/517/EU
- Pressure equipment directive (with the exeption of AARIA MULTI 250 PI model)

CE

RANGE

Model	Code
AARIA MULTI 250 PI	20206346
AARIA MULTI 355 PI	20200997
AARIA MULTI 370 PI	20200998
AARIA MULTI 475 PI	20200999
AARIA MULTI 485 PI	20200100
AARIA MULTI 590 PI	20200101

ACCESSORIES
For the complete list of accessories and the information relating to their usage combinations, please refer to the catalogue.

TABLE OF CONTENTS

The following symbols are used on the product:


Avoid proximity to sources of ignition in continuous operation (open flames, gas household appliances, electric stoves, lit cigarettes, etc).


For more information, see the installation and technical service instructions.


Before performing maintenance and service tasks, read the installation and technical service instructions.


Before the installation, read the installation and technical service instructions.

The following symbols are used in this publication:


WARNING = actions requiring special care and appropriate training.


DO NOT = actions that MUST ON NO ACCOUNT be carried out.

This booklet cod.0216307_EN rev.6 (07/2025) consists of 52 pages.

1 GENERAL INFORMATION

1.1 General Notices

⚠ When you get the product, check immediately that the contents are all present and undamaged. Contact the dealer **RIELLO** if you notice any problems.

⚠ The product' s installation must be carried out by an authorised company that will issue a declaration of the installation's conformity to the product's owner once the work has been completed, indicating that the work has been carried out in accordance with the standards of good practice, current National and Local regulations, and the indications provided by **RIELLO** in the instruction booklet accompanying the device.

⚠ The R32 refrigerant gas is slightly inflammable and odourless. Carefully read the safety data sheet available from the dealer and see table "Minimum floor area" *p. 9* inside the technical data paragraph and the installation manual of the indoor unit installed.

⚠ The product must be used for its intended purpose, as stated by **RIELLO** for which it has been expressly manufactured. **RIELLO** shall bear no responsibility, whether of a contractual or non-contractual nature, for any damage caused to people, animals, or property due to incorrect installation, adjustments, or maintenance, or improper use.

⚠ Suitable clothing, instrumentation, and accident-prevention devices must be utilized during the installation and/or maintenance operations. **RIELLO** shall bear no responsibility for any failure to comply with current safety and accident-prevention regulations.

⚠ During installation and/or service operations, keep the area around the unit tidy and clean.

⚠ Comply with the legislation in force on the country of deployment with regard to the use and disposal of packaging, of cleaning and maintenance products and for the management of the unit's decommissioning.

⚠ Any repair and maintenance interventions must be carried out by **RIELLO** Technical Support Service, in accordance with the provisions contained in this publication. Do not modify or tamper with the unit as dangerous situations may arise and the unit manufacturer will not be liable for any damage caused.

⚠ In the event of any functional anomalies or fluid leaks, set the system's main switch to its "off" position. Promptly contact your local **RIELLO** Technical Support Service, and do not perform any interventions upon the device on your own.

⚠ The units contain refrigerant gas: operate carefully so as to avoid damaging the gas circuit and the fin bank.

⚠ Do not place any inflammable object (spray cans) within a 1 metre radius from the air expulsion.

⚠ According to EU Regulation no. 517/2014 regarding certain fluorinated greenhouse gases, the total amount of refrigerant contained within the installed system must be indicated. This information can be found on the unit technical data plate.

⚠ This unit contains fluorinated greenhouse gases covered by the Kyoto protocol. Maintenance and disposal activities must be carried out exclusively by skilled personnel.

⚠ This booklet is an integral part of the device, and must therefore be carefully preserved, and must ALWAYS accompany it, even in the event that it is sold to another Owner or User, or is transferred to another system. If it is damaged or lost, another copy can be requested to **RIELLO** Technical Support Service in your Area.

⚠ All precautions concerning handling of refrigerant must be observed in accordance with local regulations.

⚠ Any technician carrying out work on the electrical or refrigerating section must be authorised, with the relevant qualifications and certifications, including for soldering operations and for handling of the shut-off valve. He/she must have been trained and be familiar with the equipment and the installation.

⚠ The ducts can break under the weight and release refrigerant, causing injuries.

Personal protection equipment (PPE) (1)	Actions		
	Handling	Maintenance, service	Welding or brazing (2)
Protective gloves, eye protection, safety shoe, protective clothing.	•	•	•
Ear protection.		•	•
Filtering respirator.			•

(1) We recommend to follow the instructions in EN 378-3.
(2) Performed in the presence of A1 refrigerant according to EN 378-1.

⚠ Before opening a refrigerating circuit, purge and read the pressure indicators.

1.2 Safety precautions

It should be noted that the use of products that utilize electric energy requires certain essential safety regulations to be respected, including the following:

⛔ Do not allow children or unassisted disabled people to use the unit.

⛔ Do not touch the unit while barefoot and/or partially wet.

⛔ Do not spray or throw water directly on the unit.

⛔ It is forbidden to place weights on the device.

⛔ It is strictly forbidden to touch the coil fins, the moving parts, to place any body parts between them, or to insert pointy objects into the grilles.

⛔ It is forbidden to perform any technical interventions or cleaning operations before having disconnected the device from its electrical power supply, by setting the system's main switch to its "OFF" position.

⛔ It is forbidden to modify the safety or regulation devices without the authorisation of the manufacturer.

⛔ Do not pull, detach or twist the electrical wires coming out of the unit, even when the unit is disconnected from the power grid.

⛔ The packing material must not be disposed of in the surrounding environment and must be kept out of children reach, as it can be dangerous. It must be disposed of according to the regulations in force.

1.3 Unit description

RIELLO AARIA MULTI R32 is a heat pump outdoor unit that can be combined with indoor units of the same series for air-conditioning small/medium sized rooms. Designed to be placed outdoors, it is suitable for use in residential applications.
The rotary-type compressor is controlled via DC-Inverter control with continuous modulation from 20% to 110%, thus ensuring high energy standards. The fan DC motor improves performance and sound comfort. The expansion valve electronically optimises the flow of refrigerant within the circuit.
The R32 refrigerant allows high yields, thus placing **RIELLO AARIA MULTI R32** among the most efficient devices on the market.

1.4 Safety and adjustment devices

The device safety and setting are achieved thanks to

All model

- compressor motor thermal protection, which is triggered in case the current consumed by the compressor is excessive
- gas delivery temperature sensor, which transmits the detected value to the electronic board that is triggered in case of overtemperature (116°C)
- anti-freeze sensor, which transmits the temperature value as detected by the heat exchanger to the electronic board that is triggered when the heat exchanger is clogged by frost formations
- suction temperature sensor, which transmits the detected value to the electronic board that is triggered in order to adjust the flow of refrigerant gas or to stop the unit in case of overtemperature (40°C)
- outdoor air temperature sensor, which transmits the detected value to the electronic board that is triggered in order to adjust the operation of the unit indoor components to the variation of weather conditions

- **only models 355 PI - 370 PI - 475 PI - 485 PI - 590 PI**

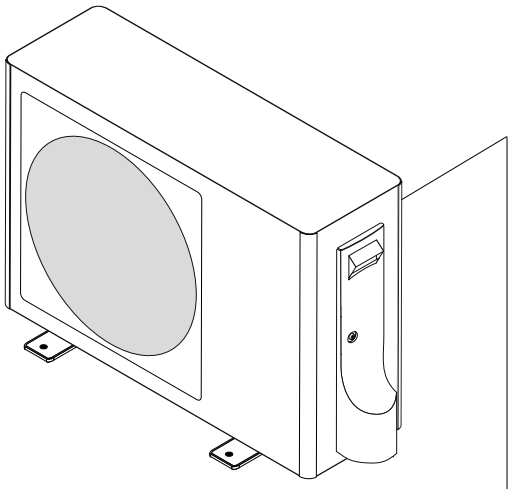
- high pressure switch, which transmits the detected value to the electronic board that is triggered in case of pressure too high or malfunction of the pressure switch, stop of the unit; it automatically resets up to 3 times in 60 minutes, then the restart needs recovery by removing and restoring the power supply
- low pressure switch, twhich transmits the detected value to the electronic board that is triggered in case of pressure too low or malfunction of the pressure switch, stop the unit; it automatically resets up to 3 times in 60 minutes, then the restart needs recovery by removing and restoring the power supply

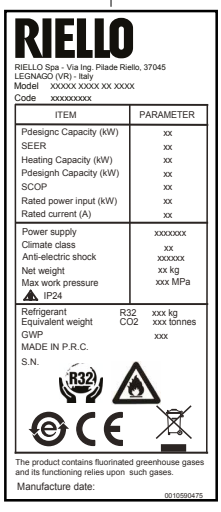
⚠ Safety device replacement must be carried out by **RIELLO** Technical Support Service, using only original components. Please refer to the spare parts catalogue.

⛔ IT IS FORBIDDEN to operate the device with faulty safety systems.

1.5 Identification

The unit can be identified through the technical data plate:




RIELLO

RIELLO Spa - Via Ing. Pilade Riello, 37045
LEGNAGO (VR) - Italy
Model XXXXX XXXX XX XXXX
Code xxxxxxxxx

ITEM	PARAMETER
Pdesignc Capacity (kW)	xx
SEER	xx
Heating Capacity (kW)	xx
Pdesignh Capacity (kW)	xx
SCOP	xx
Rated power input (kW)	xx
Rated current (A)	xx
Power supply	xxxxxxx
Climate class	xx
Anti-electric shock	xxxxxx
Net weight	xx kg
Max work pressure	xxx MPa
IP24	
Refrigerant	R32 xxx kg
Equivalent weight	CO2 xxx tonnes
GWP	xxx
MADE IN P.R.C.	
S.N.	

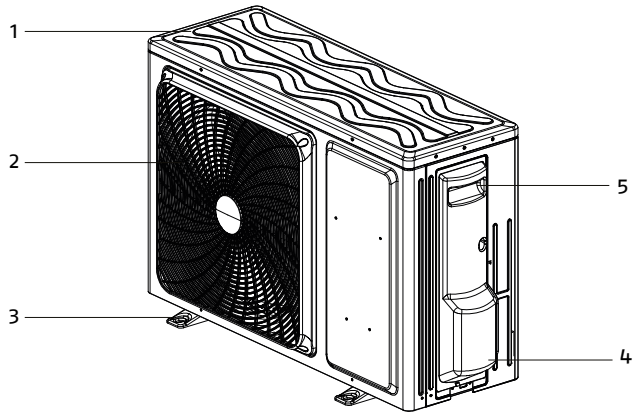
The product contains fluorinated greenhouse gases and its functioning relies upon such gases.
Manufacture date:
0010590475

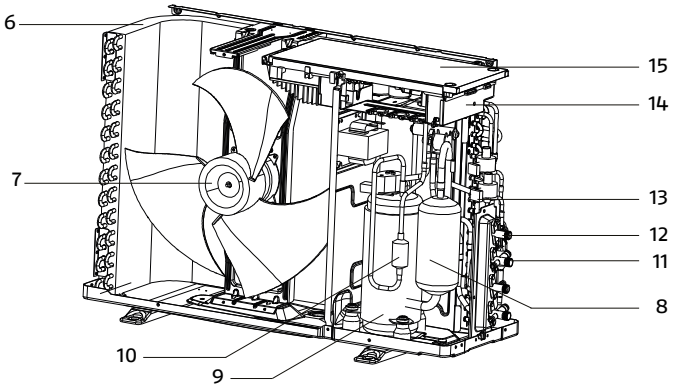
Technical data plate
Contains the device's technical and performance data.

⚠ The tampering, removal, or absence of the identification plates will not allow the product to be properly identified by its serial number.

1.6 Layout

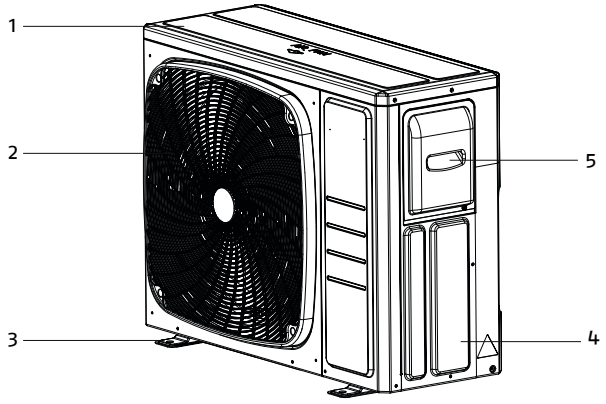
MODEL 250 PI

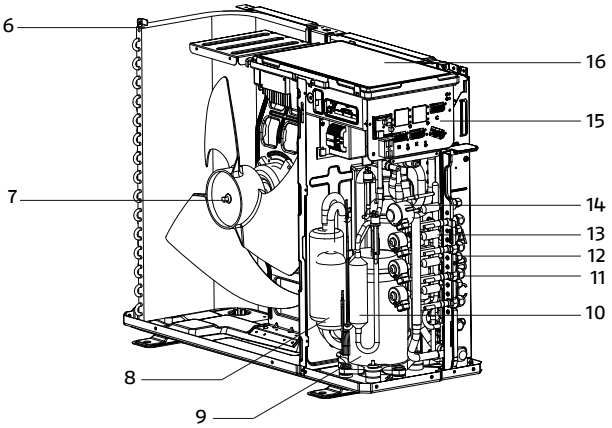




1 Upper panel
2 Fan protection grille
3 Support bracket
4 Connections cover
5 Handle for handling
6 Heat exchanger
7 Electric fan
8 Intake separator
9 Rotary compressor
10 Muffler
11 Gas line connection
12 Liquid line connection
13 Filter
14 Terminal board for electric connections
15 Electric panel cover

MODEL 355 PI – 370 PI – 475 PI – 485 PI – 590 PI





1 Upper panel
2 Fan protection grille
3 Support bracket
4 Connections cover
5 Handle for handling
6 Heat exchanger
7 Electric fan
8 Intake separator
9 Rotary compressor
10 Muffler
11 Gas line connection
12 Liquid line connection
13 Filter
14 Electronic expansion valve
15 Terminal board for electric connections
16 Electric panel cover

1.7 Technical specifications

Performance combined with AMW PI and AMW ST N

Riello model		250 PI	250 PI	355 PI	370 PI	475 PI	485 PI	590 PI
Match								
Indoor unit		2 x AMW 25 ST N	2 x AMW 25 PI	3 x AMW 25 PI	3 x AMW 25 PI	4 x AMW 25 PI	4 x AMW 25 PI	5 x AMW 25 PI
Indoor unit max. number		2	2	3	3	4	4	5
Cooling performance [A35 / A27] (1)								
Nominal capacity	kW	4,80	4,60	5,00	7,00	7,50	8,50	9,00
Minimum capacity	kW	1,10	1,30	2,10	2,40	2,40	3,20	3,20
Maximum capacity	kW	5,20	6,00	6,60	7,60	8,70	9,50	11,00
Nominal power input	kW	1,40	1,07	1,25	1,75	1,97	2,50	2,79
Minimum power input	kW	0,35	0,35	0,55	0,55	0,55	0,55	0,55
Maximum power input	kW	2,1	2,01	2,5	2,6	3,4	3,5	4,1
Cooling energy data (2)								
Pdesign at 35 °C	kW	4,80	4,60	5,00	7,00	7,50	8,50	9,00
SEER	kW/kW	6,10	8,50	8,50	8,50	7,10	7,10	7,10
Energy class		A++	A+++	A+++	A+++	A++	A++	A++
Annual energy cons.	kWh/annum	275	189	210	296	375	447	450
Heating performance [A7 / A20] (3)								
Nominal capacity	kW	5,00	5,20	6,40	7,60	8,60	9,60	10,40
Minimum capacity	kW	1,40	1,60	1,70	2,90	3,10	4,40	4,40
Maximum capacity	kW	5,80	6,50	7,20	8,50	10,00	10,50	11,50
Nominal power input	kW	1,35	1,21	1,60	1,90	2,15	2,40	2,79
Minimum power input	kW	0,52	0,55	0,55	0,55	0,55	0,55	0,55
Maximum power input	kW	2	2	2,2	2,3	3,1	3,4	3,4
Enery data for Average climatic profile (4)								
Annual energy cons.	kWh/annum	1400	1157	1406	1782	2172	2489	2432
Pdesign at -10 °C	kW	4,00	3,80	4,50	6,00	6,30	7,00	7,20
SCOP	kW/kW	4,00	4,60	4,40	4,40	4,10	4,10	4,10
Energy class		A+	A++	A+	A+	A+	A+	A+
Energy data for Warm climatic profile (4)								
Pdesign at +2 °C	kW	2,10	2,10	2,40	3,00	3,40	3,70	4,30
SCOP	kW/kW	5,10	5,10	5,60	5,80	5,00	4,60	5,40
Annual energy cons.	kWh/annum	576	563	615	728	977	1123	1092

(1) Outdoor air: 35 °C D.B., Indoor air: 27 °C D.B. / 19 ° W.B.
(2) In compliance with 626/2011 regulation
(3) Outdoor air: 7 °C D.B. / 6 °C W.B., Indoor air: 20 °C D.B.
(4) In compliance with EU 206/2012 regulation

Outdoor unit data

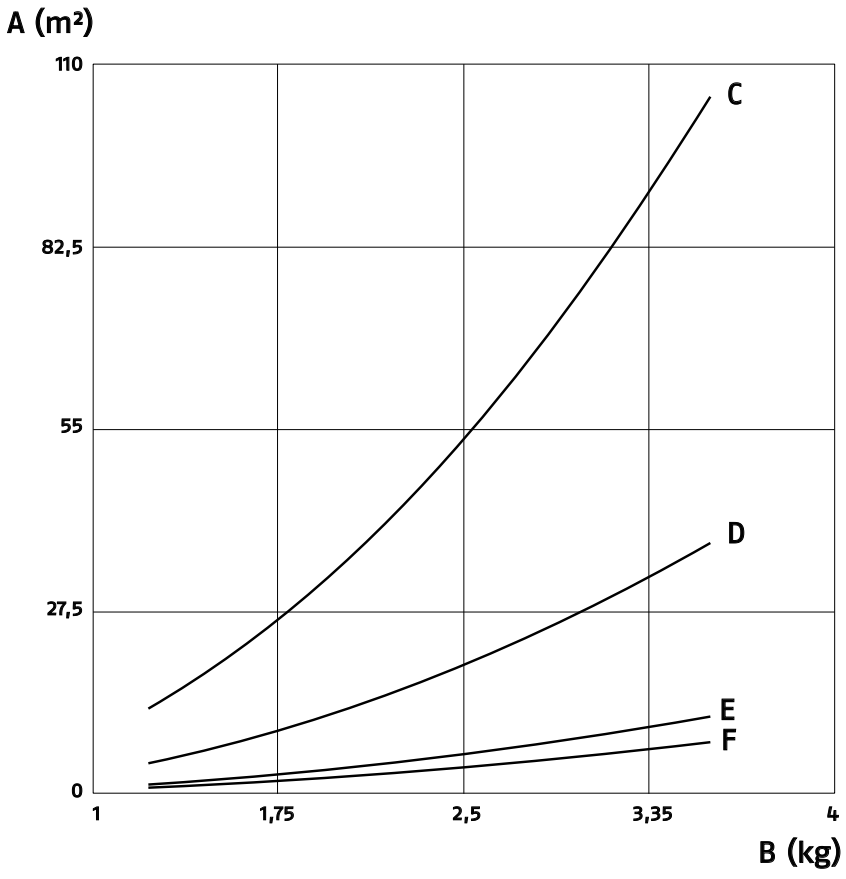
Riello model		250 PI	355 PI	370 PI	475 PI	485 PI	590 PI
Cooling performance [A35 / A27] (1)							
Nominal capacity	kW	4,80	5,50	7,00	7,50	8,50	9,00
Nominal power input	kW	1,40	1,38	1,75	2,00	2,50	2,85
Rated frequency	Rps	61	63	79	55	64	68
Maximum frequency	Rps	80	100	100	90	90	90
Minimum frequency	Rps	25	20	20	20	20	20
Nominal current consumption	A	6,09	6,40	8,30	9,10	12,00	12,50
Max. current input	A	9,20	10,80	11,90	14,60	15,50	17,80
Minimum current consumption	A	1,60	2,40	2,40	2,40	2,40	2,40
Heating performance [A7 / A20] (2)							
Nominal capacity	kW	4,00	6,80	7,60	8,60	9,60	10,40
Nominal power input	kW	1,30	1,55	1,80	2,15	2,40	2,75
Rated frequency	Rps	78	87	93	71	77	86
Maximum frequency	Rps	118	110	110	95	95	95
Minimum frequency	Rps	30	20	20	20	20	20
Nominal current consumption	A	5,90	7,10	8,30	9,50	11,20	12,10
Max. current input	A	9,10	9,50	9,70	13,50	14,60	14,60
Minimum current consumption	A	2,50	2,40	2,40	2,40	2,40	2,40
Electrical characteristics							
Power supply	V/Ph/Hz	220-240/1/50/60					
Compressor							
Compressor	Type	Twin Rotary (DC Inverter)					
Oil	Type	RM-LP56EG	FW68S				
Oil charge	l	1,65	0,50	0,50	0,87	0,87	0,87
Refrigerant	Type	R32					
Refrigerant charge	kg	1,10	1,40	1,60	2,20	2,20	2,40
Fan							
Fan	Type	Axial					
Quantity	no.	1	1	1	1	1	1
Maximum air flow	m³/h	2400	3000	3000	4000	4000	4200
Minimum speed	rpm	400	250	250	300	300	300
Maximum speed	rpm	1000	700	700	770	770	800
Nominal power input	kW	0,04	0,13	0,13	0,13	0,13	0,13
Cooling sound levels							
Sound power level	dB(A)	63	64	66	68	68	71
Sound pressure level (3)	dB(A)	53	51	53	55	55	55
Heating sound levels							
Sound power level	dB(A)	63	65	67	69	69	72
Sound pressure level (3)	dB(A)	53	52	54	56	56	56

(1) Outdoor air: 35 °C D.B., Indoor air: 27 °C D.B. / 19 ° W.B.
(2) Outdoor air: 7 °C D.B. / 6 °C W.B., Indoor air: 20 °C D.B.
(3) Sound pressure level measured at 1 m free field

Minimum floor area

Minimum floor area for indoor unit (m²)

Gas charge	Indoor unit installation			
kg	Floor	Window	Wall	Ceiling
1,10	No requirements			
1,224				
1,225	12,88	4,64	1,43	0,96
1,30	14,50	5,22	1,61	1,08
1,90	30,98	11,15	3,44	2,30
2,00	34,32	12,36	3,81	2,55
2,30	45,39	16,34	5,04	3,38
2,60	58,00	20,88	6,44	4,31
3,00	77,22	27,80	8,58	5,74
3,50	105,11	37,84	11,68	7,82



A Minimum floor area
B Refrigerant charge
C Floor
D Window
E Wall
F Ceiling

1.8 Model compatibility

AARIA MULTI 250 PI combined with AMW ST N

Cooling

Combinations			Single nominal capacity		Total nominal capacity			Total power input			Total current input			EER	SEER	Energy class	Annual energy cons.
	Indoor units		Indoor units														
	A	B	A	B	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
	kW		kW					kW			A			W/W	W/W		kWh/annum
1:2	25	25	2,40	2,40	1,10	4,80	5,20	0,35	1,40	2,10	1,60	6,20	9,40	3,42	6,10	A++	275
	25	35	2,10	2,70	1,10	4,80	5,20	0,35	1,40	2,10	1,60	6,20	9,40	3,42	6,10	A++	275
	35	35	2,40	2,40	1,10	4,80	5,40	0,35	1,40	2,10	1,60	6,20	9,40	3,42	6,10	A++	275

Heating

Combinations			Single nominal capacity		Total nominal capacity			Total power input			Total current input			COP	SCOP	Energy class	Annual energy cons.
	Indoor units		Indoor units														
	A	B	A	B	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
	kW		kW					kW			A			W/W	W/W		kWh/annum
1:2	25	25	2,50	2,50	1,40	5,00	5,80	0,52	1,35	2,00	2,30	6,00	9,10	3,71	4,00	A+	1400
	25	35	2,40	2,60	1,50	5,00	5,90	0,53	1,35	2,00	2,40	6,00	9,10	3,71	4,00	A+	1400
	35	35	2,50	2,50	1,60	5,00	5,90	0,55	1,35	2,00	2,50	6,00	9,10	3,71	4,00	A+	1400

Performance are in accordance with UNI EN 14511 standards.

AARIA MULTI 250 PI

Cooling

Combinations			Single nominal capacity		Total nominal capacity			Total power input			Total current input			EER	SEER	Energy class	Annual energy cons.
	Indoor units		Indoor units														
	A	B	A	B	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
	kW		kW					kW			A			W/W	W/W		kWh/annum
1:2	20	20	2,25	2,25	1,30	4,50	5,60	0,33	1,05	1,96	1,56	4,74	8,79	4,30	8,50	A+++	185
	20	25	2,20	2,30	1,30	4,50	5,60	0,33	1,05	1,96	1,56	4,74	8,79	4,30	8,50	A+++	185
	20	35	2,20	2,40	1,30	4,60	5,80	0,35	1,07	2,01	1,65	4,90	9,01	4,30	8,50	A+++	189
	20	50	1,80	2,80	1,30	4,60	6,00	0,35	1,07	2,05	1,65	4,90	9,19	4,30	8,50	A+++	189
	25	25	2,30	2,30	1,30	4,60	6,00	0,35	1,07	2,01	1,64	4,90	9,01	4,30	8,50	A+++	189
	25	35	2,20	2,40	1,30	4,60	6,00	0,35	1,07	2,02	1,64	4,90	9,05	4,30	8,50	A+++	189
	25	50	1,90	2,70	1,30	4,60	6,00	0,35	1,07	2,05	1,64	4,90	9,19	4,30	8,50	A+++	189
	35	35	2,30	2,30	1,30	4,60	6,00	0,35	1,07	2,05	1,64	4,90	9,19	4,30	8,50	A+++	189
	35	50	2,20	2,60	1,30	4,80	6,20	0,35	1,12	2,10	1,64	5,06	9,41	4,30	8,50	A+++	198

Heating

Combinations			Single nominal capacity		Total nominal capacity			Total power input			Total current input			COP	SCOP	Energy class	Annual energy cons.
	Indoor units		Indoor units														
	A	B	A	B	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
	kW		kW					kW			A			W/W	W/W		kWh/annum
1:2	20	20	2,50	2,50	1,50	5,00	6,30	0,49	1,16	1,98	2,20	5,27	8,78	4,30	4,60	A++	1157
	20	25	2,40	2,60	1,50	5,00	6,30	0,49	1,16	1,98	2,20	5,27	8,78	4,30	4,60	A++	1157
	20	35	2,50	2,60	1,60	5,10	6,40	0,52	1,19	2,00	2,30	5,37	8,87	4,30	4,60	A++	1157
	20	50	2,30	2,90	1,60	5,20	6,50	0,52	1,21	2,05	2,50	5,48	9,09	4,30	4,60	A++	1157
	25	25	2,60	2,60	1,60	5,20	6,50	0,52	1,21	2,00	2,50	5,48	8,87	4,30	4,60	A++	1157
	25	35	2,50	2,70	1,70	5,20	6,60	0,53	1,21	2,02	2,50	5,48	8,96	4,30	4,60	A++	1157
	25	50	2,20	3,00	1,80	5,20	6,60	0,55	1,21	2,05	2,50	5,48	9,09	4,30	4,60	A++	1157
	35	35	2,60	2,60	1,80	5,20	6,60	0,55	1,21	2,10	2,50	5,48	9,32	4,30	4,60	A++	1157
	35	50	2,40	3,00	1,80	5,40	6,80	0,55	1,26	2,15	2,50	5,69	9,54	4,30	4,60	A++	1157

Performance are in accordance with UNI EN 14511 standards.

AARIA MULTI 355 PI

Cooling

	Combinations			Single nominal capacity			Total nominal capacity			Total power input			Total current input			EER	SEER	Energy class	Annual energy cons.
	Indoor units			Indoor units															
	A	B	C	Unit A	Unit B	Unit C	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
				kW			kW			kW			A			W/W	W/W		kWh/annum
1:2	20	20	–	2,00	2,00	–	1,60	4,00	5,60	0,55	1,18	2,50	2,44	5,38	10,80	3,39	6,80	A++	240
	20	25	–	2,00	2,60	–	1,80	4,60	6,60	0,55	1,28	2,50	2,44	5,84	10,80	3,59	6,80	A++	240
	20	35	–	1,79	3,21	–	2,10	5,00	6,60	0,55	1,36	2,50	2,44	6,20	10,80	3,68	7,00	A++	232
	20	42	–	1,56	3,44	–	2,10	5,00	6,60	0,55	1,36	2,50	2,44	6,20	10,80	3,68	7,00	A++	232
	20	50	–	1,39	3,61	–	2,10	5,00	6,60	0,55	1,36	2,50	2,44	6,20	10,80	3,68	7,00	A++	232
	25	25	–	2,50	2,50	–	2,00	5,00	6,60	0,55	1,36	2,50	2,44	6,20	10,80	3,68	7,00	A++	232
	25	35	–	2,10	2,90	–	2,10	5,00	6,60	0,55	1,34	2,50	2,44	6,11	10,80	3,73	7,00	A++	232
	25	42	–	1,86	3,14	–	2,10	5,00	6,60	0,55	1,34	2,50	2,44	6,11	10,80	3,73	7,40	A++	230
	25	50	–	1,67	3,33	–	2,10	5,00	6,60	0,55	1,34	2,50	2,44	6,11	10,80	3,73	7,80	A++	225
	35	35	–	2,50	2,50	–	2,10	5,00	6,60	0,55	1,34	2,50	2,44	6,11	10,80	3,73	7,80	A++	225
	35	42	–	2,25	2,75	–	2,10	5,00	6,60	0,55	1,34	2,50	2,44	6,11	10,80	3,73	7,80	A++	225
1:3	20	20	20	1,67	1,67	1,67	2,10	5,00	6,60	0,55	1,29	2,50	2,44	5,89	10,80	3,88	7,60	A++	225
	20	20	25	1,52	1,52	1,97	2,10	5,00	6,60	0,55	1,29	2,50	2,44	5,89	10,80	3,88	8,00	A++	220
	20	20	35	1,32	1,32	2,37	2,10	5,00	6,60	0,55	1,27	2,50	2,44	5,79	10,80	3,94	8,00	A++	220
	20	25	25	1,39	1,81	1,81	2,10	5,00	6,60	0,55	1,27	2,50	2,44	5,79	10,80	3,94	8,30	A++	215
	20	25	35	1,22	1,59	2,20	2,10	5,00	6,60	0,55	1,27	2,50	2,44	5,79	10,80	3,94	8,30	A++	215
	25	25	25	1,67	1,67	1,67	2,10	5,00	6,60	0,55	1,25	2,50	2,44	5,70	10,80	4,00	8,50	A+++	210
	25	25	35	1,48	1,48	2,05	2,10	5,00	6,60	0,55	1,25	2,50	2,44	5,70	10,80	4,00	8,50	A+++	210

Heating

	Combinations			Single nominal capacity			Total nominal capacity			Total power input			Total current input			COP	SCOP	Energy class	Annual energy cons.
	Indoor units			Indoor units															
	A	B	C	Unit A	Unit B	Unit C	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
				kW			kW			kW			A			W/W	W/W		kWh/annum
1:2	20	20	–	2,30	2,30	–	1,20	4,60	7,20	0,55	1,25	2,10	2,44	5,47	9,07	3,68	3,90	A	1435
	20	25	–	2,30	3,60	–	1,20	5,90	7,20	0,55	1,54	2,10	2,44	6,74	9,07	3,83	3,95	A	1430
	20	35	–	2,16	4,24	–	1,20	6,40	7,20	0,55	1,72	2,10	2,44	7,52	9,07	3,72	3,95	A	1430
	20	42	–	1,91	4,49	–	1,70	6,40	7,20	0,55	1,70	2,10	2,44	7,44	9,07	3,76	3,95	A	1430
	20	50	–	1,77	4,63	–	1,70	6,40	7,20	0,55	1,70	2,10	2,44	7,44	9,07	3,76	3,95	A	1430
	25	25	–	3,20	3,20	–	1,70	6,40	7,20	0,55	1,68	2,20	2,44	7,35	9,50	3,81	4,00	A	1423
	25	35	–	2,84	3,56	–	1,70	6,40	7,20	0,55	1,68	2,20	2,44	7,35	9,50	3,81	4,00	A	1423
	25	42	–	2,56	3,84	–	1,70	6,40	7,20	0,55	1,66	2,20	2,44	7,26	9,50	3,86	4,10	A	1423
	25	50	–	2,40	4,00	–	1,70	6,40	7,20	0,55	1,66	2,20	2,44	7,26	9,50	3,86	4,20	A	1418
	35	35	–	3,20	3,20	–	1,70	6,40	7,20	0,55	1,66	2,20	2,44	7,26	9,50	3,86	4,20	A	1418
	35	42	–	2,91	3,49	–	1,70	6,40	7,20	0,55	1,66	2,20	2,44	7,26	9,50	3,86	4,20	A	1418
1:3	20	20	20	2,13	2,13	2,13	1,70	6,40	7,20	0,55	1,64	2,20	2,44	7,17	9,50	3,90	4,30	A	1418
	20	20	25	1,80	1,80	2,81	1,70	6,40	7,20	0,55	1,63	2,20	2,44	7,13	9,50	3,93	4,35	A	1412
	20	20	35	1,62	1,62	3,16	1,70	6,40	7,20	0,55	1,63	2,20	2,44	7,13	9,50	3,93	4,35	A	1412
	20	25	25	1,55	2,43	2,43	1,70	6,40	7,20	0,55	1,62	2,20	2,44	7,09	9,50	3,95	4,35	A	1412
	20	25	35	1,42	2,22	2,77	1,70	6,40	7,20	0,55	1,62	2,20	2,44	7,09	9,50	3,95	4,35	A	1412
	25	25	25	2,13	2,13	2,13	1,70	6,40	7,20	0,55	1,60	2,20	2,44	7,00	9,50	4,00	4,40	A	1406
	25	25	35	1,97	1,97	2,46	1,70	6,40	7,20	0,55	1,60	2,20	2,44	7,00	9,50	4,00	4,40	A	1406

Performance are in accordance with UNI EN 14511 standards.

AARIA MULTI 370 PI

Cooling

	Combinations			Single nominal capacity			Total nominal capacity			Total power input			Total current input			EER	SEER	Energy class	Annual energy cons.
	Indoor units			Indoor units															
	A	B	C	Unit A	Unit B	Unit C	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
				kW			kW			kW			A			W/W	W/W		kWh/annum
1:2	20	20	–	2,00	2,00	–	1,80	4,00	5,60	0,55	1,21	2,60	2,44	5,37	11,50	3,31	6,80	A++	325
	20	25	–	2,00	2,60	–	1,80	4,60	6,70	0,55	1,35	2,60	2,44	5,99	11,50	3,41	6,80	A++	325
	20	35	–	2,00	3,60	–	1,80	5,60	7,50	0,55	1,65	2,60	2,44	7,32	11,50	3,39	6,90	A++	325
	20	42	–	2,00	4,40	–	1,80	6,40	7,60	0,55	1,89	2,60	2,44	8,39	11,50	3,39	6,90	A++	325
	20	50	–	1,94	5,06	–	2,40	7,00	7,60	0,55	2,02	2,60	2,44	8,96	11,50	3,47	6,90	A++	325
	25	25	–	2,60	2,60	–	2,00	5,20	7,40	0,55	1,52	2,60	2,44	6,74	11,50	3,42	6,90	A++	325
	25	35	–	2,60	3,60	–	2,00	6,20	7,60	0,55	1,79	2,60	2,44	7,94	11,50	3,46	6,90	A++	325
	25	42	–	2,60	4,40	–	2,40	7,00	7,60	0,55	2,02	2,60	2,44	8,96	11,50	3,47	7,00	A++	320
	25	50	–	2,33	4,67	–	2,40	7,00	7,60	0,55	2,00	2,60	2,44	8,87	11,50	3,50	7,00	A++	320
	35	35	–	3,40	3,40	–	2,40	6,80	7,60	0,55	2,00	2,60	2,44	8,87	11,50	3,40	7,00	A++	320
	35	42	–	3,15	3,85	–	2,40	7,00	7,60	0,55	1,82	2,60	2,44	8,07	11,50	3,85	7,20	A++	320
	35	50	–	2,86	4,14	–	2,40	7,00	7,60	0,55	1,82	2,60	2,44	8,07	11,50	3,85	7,40	A++	312
	42	42	–	3,50	3,50	–	2,40	7,00	7,60	0,55	1,82	2,60	2,44	8,07	11,50	3,85	7,40	A++	312
1:3	20	20	20	2,00	2,00	2,00	2,40	6,00	7,60	0,55	1,75	2,60	2,44	7,76	11,50	3,43	7,60	A++	312
	20	20	25	2,00	2,00	2,60	2,40	6,60	7,60	0,55	1,75	2,60	2,44	7,76	11,50	3,77	7,80	A++	312
	20	20	35	1,84	1,84	3,32	2,40	7,00	7,60	0,55	1,80	2,60	2,44	7,99	11,50	3,89	7,80	A++	312
	20	20	42	1,67	1,67	3,67	2,40	7,00	7,60	0,55	1,80	2,60	2,44	7,99	11,50	3,89	8,00	A++	306
	20	20	50	1,52	1,52	3,96	2,40	7,00	7,60	0,55	1,80	2,60	2,44	7,99	11,50	3,89	8,00	A++	306
	20	25	25	1,94	2,53	2,53	2,40	7,00	7,60	0,55	1,80	2,60	2,44	7,99	11,50	3,89	8,20	A++	306
	20	25	35	1,71	2,22	3,07	2,40	7,00	7,60	0,55	1,80	2,60	2,44	7,99	11,50	3,89	8,20	A++	306
	20	25	42	1,56	2,02	3,42	2,40	7,00	7,60	0,55	1,80	2,60	2,44	7,99	11,50	3,89	8,30	A++	301
	20	25	50	1,43	1,86	3,71	2,40	7,00	7,60	0,55	1,82	2,60	2,44	8,07	11,50	3,85	8,30	A++	301
	20	35	35	1,52	2,74	2,74	2,40	7,00	7,60	0,55	1,82	2,60	2,44	8,07	11,50	3,85	8,40	A++	301
	20	35	42	1,40	2,52	3,08	2,40	7,00	7,60	0,55	1,80	2,60	2,44	7,99	11,50	3,89	8,40	A++	301
	25	25	25	2,33	2,33	2,33	2,40	7,00	7,60	0,55	1,75	2,60	2,44	7,80	11,50	4,00	8,50	A+++	296
	25	25	35	2,07	2,07	2,86	2,40	7,00	7,60	0,55	1,75	2,60	2,44	7,80	11,50	4,00	8,50	A+++	296
	25	25	42	1,90	1,90	3,21	2,40	7,00	7,60	0,55	1,75	2,60	2,44	7,80	11,50	4,00	8,50	A+++	296
	25	35	35	1,86	2,57	2,57	2,40	7,00	7,60	0,55	1,75	2,60	2,44	7,80	11,50	4,00	8,50	A+++	296

Heating

	Combinations			Single nominal capacity			Total nominal capacity			Total power input			Total current input			COP	SCOP	Energy class	Annual energy cons.
	Indoor units			Indoor units															
	A	B	C	Unit A	Unit B	Unit C	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
				kW			kW			kW			A			W/W	W/W		kWh/annum
1:2	20	20	–	2,30	2,30	–	2,60	4,60	8,00	0,55	1,25	2,00	2,44	5,53	8,43	3,68	3,80	A	1811
	20	25	–	2,30	3,60	–	2,70	5,90	8,50	0,55	1,60	2,00	2,44	7,08	8,43	3,69	3,80	A	1811
	20	35	–	2,30	4,50	–	2,70	6,80	8,50	0,55	1,82	2,10	2,44	8,05	8,86	3,74	3,80	A	1811
	20	42	–	2,27	5,33	–	2,90	7,60	8,50	0,55	2,00	2,10	2,44	8,85	8,86	3,80	3,90	A	1805
	20	50	–	2,11	5,49	–	2,90	7,60	8,50	0,55	2,00	2,10	2,44	8,85	8,86	3,80	3,90	A	1805
	25	25	–	3,60	3,60	–	2,90	7,20	8,50	0,55	2,00	2,10	2,44	8,85	8,86	3,60	3,90	A	1805
	25	35	–	3,38	4,22	–	2,90	7,60	8,50	0,55	2,00	2,10	2,44	8,85	8,86	3,80	3,90	A	1805
	25	42	–	3,04	4,56	–	2,90	7,60	8,50	0,55	2,00	2,10	2,44	8,85	8,86	3,80	3,95	A	1805
	25	50	–	2,85	4,75	–	2,90	7,60	8,50	0,55	2,00	2,10	2,44	8,85	8,86	3,80	3,95	A	1805
	35	35	–	3,75	3,75	–	2,90	7,50	8,50	0,55	2,00	2,20	2,44	8,85	9,28	3,75	4,00	A+	1800
	35	42	–	3,45	4,15	–	2,90	7,60	8,50	0,55	2,02	2,20	2,44	8,93	9,28	3,76	4,00	A+	1800
	35	50	–	3,26	4,34	–	2,90	7,60	8,50	0,55	2,00	2,20	2,44	8,85	9,28	3,80	4,10	A+	1800
	42	42	–	3,80	3,80	–	2,90	7,60	8,50	0,55	2,00	2,20	2,44	8,85	9,28	3,80	4,10	A+	1800
1:3	20	20	20	2,30	2,30	2,30	2,90	6,90	8,50	0,55	1,85	2,30	2,44	8,18	9,70	3,73	4,20	A+	1793
	20	20	25	2,13	2,13	3,34	2,90	7,60	8,50	0,55	1,98	2,30	2,44	8,76	9,70	3,84	4,20	A+	1793
	20	20	35	1,92	1,92	3,76	2,90	7,60	8,50	0,55	1,96	2,30	2,44	8,67	9,70	3,88	4,20	A+	1793
	20	20	42	1,75	1,75	4,10	2,90	7,60	8,50	0,55	1,95	2,30	2,44	8,62	9,70	3,90	4,30	A+	1793
	20	20	50	1,65	1,65	4,30	2,90	7,60	8,50	0,55	1,95	2,30	2,44	8,62	9,70	3,90	4,30	A+	1793
	20	25	25	1,84	2,88	2,88	2,90	7,60	8,50	0,55	1,93	2,30	2,44	8,54	9,70	3,94	4,30	A+	1793
	20	25	35	1,68	2,63	3,29	2,90	7,60	8,50	0,55	1,95	2,30	2,44	8,62	9,70	3,90	4,35	A+	1788
	20	25	42	1,55	2,42	3,63	2,90	7,60	8,50	0,55	1,93	2,30	2,44	8,54	9,70	3,94	4,35	A+	1788
	20	25	50	1,47	2,30	3,83	2,90	7,60	8,50	0,55	1,94	2,30	2,44	8,58	9,70	3,92	4,35	A+	1788
	20	35	35	1,55	3,03	3,03	2,90	7,60	8,50	0,55	1,93	2,30	2,44	8,54	9,70	3,94	4,35	A+	1788
	20	35	42	1,43	2,80	3,36	2,90	7,60	8,50	0,55	1,92	2,30	2,44	8,49	9,70	3,96	4,35	A+	1788
	25	25	25	2,53	2,53	2,53	2,90	7,60	8,50	0,55	1,90	2,30	2,44	8,40	9,70	4,00	4,40	A+	1782
	25	25	35	2,34	2,34	2,92	2,90	7,60	8,50	0,55	1,90	2,30	2,44	8,40	9,70	4,00	4,40	A+	1782
	25	25	42	2,17	2,17	3,26	2,90	7,60	8,50	0,55	1,90	2,30	2,44	8,40	9,70	4,00	4,40	A+	1782
	25	35	35	2,17	2,71	2,71	2,90	7,60	8,50	0,55	1,90	2,30	2,44	8,40	9,70	4,00	4,40	A+	1782

Performance are in accordance with UNI EN 14511 standards.

AARIA MULTI 475 PI

Cooling

	Combinations				Single nominal capacity				Total nominal capacity			Total power input			Total current input			EER	SEER	Energy class	Annual energy cons.
	Indoor units				Indoor units																
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
					kW				kW			kW			A			W/W	W/W		kWh/annum
1:2	20	20	–	–	2,00	2,00	–	–	2,00	4,00	5,60	0,55	1,30	3,00	2,44	5,77	13,31	3,08	6,20	A++	395
	20	25	–	–	2,00	2,60	–	–	2,00	4,60	6,70	0,55	1,50	3,00	2,44	6,65	13,31	3,07	6,20	A++	395
	20	35	–	–	2,00	3,60	–	–	2,00	5,60	8,10	0,55	1,80	3,00	2,44	7,99	13,31	3,11	6,20	A++	395
	20	42	–	–	2,00	4,40	–	–	2,00	6,40	7,80	0,55	1,95	3,00	2,44	8,65	13,31	3,28	6,20	A++	395
	20	50	–	–	2,00	5,20	–	–	2,00	7,20	8,70	0,55	2,20	3,00	2,44	9,76	13,31	3,27	6,20	A++	395
	20	70	–	–	1,76	5,74	–	–	2,00	7,50	8,70	0,55	2,24	3,10	2,44	9,94	13,75	3,35	6,20	A++	395
	25	25	–	–	2,60	2,60	–	–	2,00	5,20	7,80	0,55	1,70	3,10	2,44	7,54	13,75	3,06	6,20	A++	395
	25	35	–	–	2,60	3,60	–	–	2,00	6,20	8,70	0,55	2,00	3,10	2,44	8,87	13,75	3,10	6,20	A++	395
	25	42	–	–	2,60	4,40	–	–	2,00	7,00	8,70	0,55	2,10	3,10	2,44	9,32	13,75	3,33	6,20	A++	395
	25	50	–	–	2,50	5,00	–	–	2,00	7,50	8,70	0,55	2,24	3,10	2,44	9,94	13,75	3,35	6,20	A++	395
	25	70	–	–	2,14	5,36	–	–	2,00	7,50	8,70	0,55	2,24	3,10	2,44	9,94	13,75	3,35	6,20	A++	395
	35	35	–	–	3,60	3,60	–	–	2,00	7,20	8,70	0,55	2,20	3,10	2,44	9,76	13,75	3,27	6,20	A++	395
	35	42	–	–	3,38	4,13	–	–	2,00	7,50	8,70	0,55	2,26	3,20	2,44	10,03	14,20	3,32	6,20	A++	395
	35	50	–	–	2,95	4,25	–	–	2,00	7,20	8,70	0,55	2,24	3,20	2,44	9,94	14,20	3,21	6,20	A++	395
	35	70	–	–	2,67	4,83	–	–	2,00	7,50	8,70	0,55	2,25	3,20	2,44	9,98	14,20	3,33	6,20	A++	395
	42	42	–	–	3,75	3,75	–	–	2,00	7,50	8,70	0,55	2,25	3,20	2,44	9,98	14,20	3,33	6,20	A++	395
	42	50	–	–	3,44	4,06	–	–	2,00	7,50	8,70	0,55	2,25	3,20	2,44	9,98	14,20	3,33	6,20	A++	395
	42	70	–	–	3,03	4,47	–	–	2,00	7,50	8,70	0,55	2,25	3,30	2,44	9,98	14,64	3,33	6,20	A++	395
	50	50	–	–	3,75	3,75	–	–	2,00	7,50	8,70	0,55	2,18	3,30	2,44	9,67	14,64	3,44	6,20	A++	395
	50	70	–	–	3,33	4,17	–	–	2,00	7,50	8,70	0,55	2,18	3,30	2,44	9,67	14,64	3,44	6,20	A++	395
1:3	20	20	20	–	2,00	2,00	2,00	–	2,40	6,00	8,70	0,55	1,80	3,40	2,44	7,99	15,08	3,33	6,70	A++	387
	20	20	25	–	2,00	2,00	2,60	–	2,40	6,60	8,70	0,55	1,95	3,40	2,44	8,65	15,08	3,38	6,70	A++	387
	20	20	35	–	1,97	1,97	3,55	–	2,40	7,50	8,70	0,55	2,20	3,40	2,44	9,76	15,08	3,41	6,70	A++	387
	20	20	42	–	1,79	1,79	3,93	–	2,40	7,50	8,70	0,55	2,20	3,40	2,44	9,76	15,08	3,41	6,70	A++	387
	20	20	50	–	1,63	1,63	4,24	–	2,40	7,50	8,70	0,55	2,20	3,40	2,44	9,76	15,08	3,41	6,70	A++	387
	20	20	70	–	1,43	1,43	4,64	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,70	A++	387
	20	25	25	–	2,00	2,60	2,60	–	2,40	7,20	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,35	6,70	A++	387
	20	25	35	–	1,83	2,38	3,29	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,70	A++	387
	20	25	42	–	1,67	2,17	3,67	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,70	A++	387
	20	25	50	–	1,53	1,99	3,98	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,70	A++	387
	20	25	70	–	1,35	1,76	4,39	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,70	A++	387
	20	35	35	–	1,63	2,93	2,93	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,70	A++	387
	20	35	42	–	1,50	2,70	3,30	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,70	A++	387
	20	35	50	–	1,39	2,50	3,61	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,70	A++	387
	20	35	70	–	1,24	2,23	4,03	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,70	A++	387
	20	42	42	–	1,39	3,06	3,06	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,70	A++	387
	20	42	50	–	1,29	2,84	3,36	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,70	A++	387
	20	42	70	–	1,16	2,56	3,78	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,70	A++	387
	25	25	25	–	2,50	2,50	2,50	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,72	A++	387
	25	25	35	–	2,22	2,22	3,07	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,72	A++	387
	25	25	42	–	2,03	2,03	3,44	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,74	A++	387
	25	25	50	–	1,88	1,88	3,75	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,74	A++	387
	25	25	70	–	1,67	1,67	4,17	–	2,40	7,50	8,70	0,55	2,15	3,40	2,44	9,54	15,08	3,49	6,70	A++	387
	25	35	35	–	1,99	2,76	2,76	–	2,40	7,50	8,70	0,55	2,08	3,40	2,44	9,23	15,08	3,61	6,73	A++	387
	25	35	42	–	1,84	2,55	3,11	–	2,40	7,50	8,70	0,55	2,08	3,40	2,44	9,23	15,08	3,61	6,70	A++	387
	25	35	50	–	1,71	2,37	3,42	–	2,40	7,50	8,70	0,55	2,08	3,40	2,44	9,23	15,08	3,61	6,70	A++	387
	25	35	70	–	1,54	2,13	3,84	–	2,40	7,50	8,70	0,55	2,08	3,40	2,44	9,23	15,08	3,61	6,70	A++	387
	25	42	42	–	1,71	2,89	2,89	–	2,40	7,50	8,70	0,55	2,08	3,40	2,44	9,23	15,08	3,61	6,70	A++	387
	25	42	50	–	1,60	2,70	3,20	–	2,40	7,50	8,70	0,55	2,08	3,40	2,44	9,23	15,08	3,61	6,70	A++	387
	35	35	35	–	2,50	2,50	2,50	–	2,40	7,50	8,70	0,55	2,08	3,40	2,44	9,23	15,08	3,61	6,75	A++	387
	35	35	42	–	2,33	2,33	2,84	–	2,40	7,50	8,70	0,55	2,08	3,40	2,44	9,23	15,08	3,61	6,70	A++	387
	35	35	50	–	2,18	2,18	3,15	–	2,40	7,50	8,70	0,55	2,08	3,40	2,44	9,23	15,08	3,61	6,70	A++	387

	Combinations				Single nominal capacity				Total nominal capacity			Total power input			Total current input			EER	SEER	Energy class	Annual energy cons.
	Indoor units				Indoor units																
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
					kW				kW			kW			A			W/W	W/W		kWh/annum
1:4	20	20	20	20	1,88	1,88	1,88	1,88	2,40	7,50	8,70	0,55	2,12	3,40	2,44	9,41	15,08	3,54	6,80	A++	387
	20	20	20	25	1,74	1,74	1,74	2,27	2,40	7,50	8,70	0,55	2,12	3,40	2,44	9,41	15,08	3,54	6,80	A++	387
	20	20	20	35	1,56	1,56	1,56	2,81	2,40	7,50	8,70	0,55	2,12	3,40	2,44	9,41	15,08	3,54	6,80	A++	387
	20	20	20	42	1,44	1,44	1,44	3,17	2,40	7,50	8,70	0,55	2,12	3,40	2,44	9,41	15,08	3,54	6,80	A++	387
	20	20	20	50	1,34	1,34	1,34	3,48	2,40	7,50	8,70	0,55	2,02	3,40	2,44	8,96	15,08	3,71	6,80	A++	387
	20	20	20	70	1,20	1,20	1,20	3,90	2,40	7,50	8,70	0,55	2,02	3,40	2,44	8,96	15,08	3,71	6,70	A++	387
	20	20	25	25	1,63	1,63	2,12	2,12	2,40	7,50	8,70	0,55	2,02	3,40	2,44	8,96	15,08	3,71	6,80	A++	387
	20	20	25	35	1,47	1,47	1,91	2,65	2,40	7,50	8,70	0,55	2,02	3,40	2,44	8,96	15,08	3,71	6,80	A++	387
	20	20	25	42	1,36	1,36	1,77	3,00	2,40	7,50	8,70	0,55	2,02	3,40	2,44	8,96	15,08	3,71	6,80	A++	387
	20	20	25	50	1,27	1,27	1,65	3,31	2,40	7,50	8,70	0,55	2,02	3,40	2,44	8,96	15,08	3,71	6,80	A++	387
	20	20	25	70	1,15	1,15	1,49	3,72	2,40	7,50	8,70	0,55	2,02	3,40	2,44	8,96	15,08	3,71	6,70	A++	387
	20	20	35	35	1,34	1,34	2,41	2,41	2,40	7,50	8,70	0,55	2,02	3,40	2,44	8,96	15,08	3,71	6,80	A++	387
	20	20	35	42	1,25	1,25	2,25	2,75	2,40	7,50	8,70	0,55	2,02	3,40	2,44	8,96	15,08	3,71	6,70	A++	387
	20	20	35	50	1,17	1,17	2,11	3,05	2,40	7,50	8,70	0,55	2,02	3,40	2,44	8,96	15,08	3,71	6,70	A++	387
	20	20	42	42	1,17	1,17	2,58	2,58	2,40	7,50	8,70	0,55	2,02	3,40	2,44	8,96	15,08	3,71	7,00	A++	381
	20	20	42	50	1,10	1,10	2,43	2,87	2,40	7,50	8,70	0,55	2,00	3,40	2,44	8,87	15,08	3,75	7,00	A++	381
	20	25	25	25	1,53	1,99	1,99	1,99	2,40	7,50	8,70	0,55	2,00	3,40	2,44	8,87	15,08	3,75	7,00	A++	381
	20	25	25	35	1,39	1,81	1,81	2,50	2,40	7,50	8,70	0,55	2,00	3,40	2,44	8,87	15,08	3,75	7,00	A++	381
	20	25	25	42	1,29	1,68	1,68	2,84	2,40	7,50	8,70	0,55	2,00	3,40	2,44	8,87	15,08	3,75	7,00	A++	381
	20	25	25	50	1,21	1,57	1,57	3,15	2,40	7,50	8,70	0,55	2,00	3,40	2,44	8,87	15,08	3,75	7,00	A++	381
	20	25	35	35	1,27	1,65	2,29	2,29	2,40	7,50	8,70	0,55	2,00	3,40	2,44	8,87	15,08	3,75	7,00	A++	381
	20	25	35	42	1,19	1,55	2,14	2,62	2,40	7,50	8,70	0,55	2,00	3,40	2,44	8,87	15,08	3,75	7,00	A++	381
	20	25	35	50	1,12	1,46	2,01	2,91	2,40	7,50	8,70	0,55	2,00	3,40	2,44	8,87	15,08	3,75	7,00	A++	381
	20	25	42	42	1,12	1,46	2,46	2,46	2,40	7,50	8,70	0,55	2,00	3,40	2,44	8,87	15,08	3,75	7,00	A++	381
	20	25	42	50	1,06	1,37	2,32	2,75	2,40	7,50	8,70	0,55	2,00	3,40	2,44	8,87	15,08	3,75	7,00	A++	381
	20	35	35	35	1,17	2,11	2,11	2,11	2,40	7,50	8,70	0,55	2,00	3,40	2,44	8,87	15,08	3,75	7,00	A++	381
	20	35	35	42	1,10	1,99	1,99	2,43	2,40	7,50	8,70	0,55	2,00	3,40	2,44	8,87	15,08	3,75	7,00	A++	381
	25	25	25	25	1,88	1,88	1,88	1,88	2,40	7,50	8,70	0,55	1,97	3,40	2,44	8,75	15,08	3,80	7,10	A++	375
	25	25	25	35	1,71	1,71	1,71	2,37	2,40	7,50	8,70	0,55	1,97	3,40	2,44	8,75	15,08	3,80	7,10	A++	375
	25	25	25	42	1,60	1,60	1,60	2,70	2,40	7,50	8,70	0,55	1,97	3,40	2,44	8,75	15,08	3,80	7,10	A++	375
	25	25	25	50	1,50	1,50	1,50	3,00	2,40	7,50	8,70	0,55	1,97	3,40	2,44	8,75	15,08	3,80	7,10	A++	375
	25	25	35	35	1,57	1,57	2,18	2,18	2,40	7,50	8,70	0,55	1,97	3,40	2,44	8,75	15,08	3,80	7,10	A++	375

Heating

	Combinations				Single nominal capacity				Total nominal capacity			Total power input			Total current input			COP	SCOP	Energy class	Annual energy cons.
	Indoor units				Indoor units																
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
					kW				kW			kW			A			W/W	W/W		kWh/annum
1:2	20	20	–	–	2,30	2,30	–	–	2,80	4,60	8,00	0,55	1,25	2,90	2,44	5,55	12,87	3,68	3,75	A	2189
	20	25	–	–	2,30	3,60	–	–	2,80	5,90	9,00	0,55	1,59	2,90	2,44	7,05	12,87	3,71	3,75	A	2189
	20	35	–	–	2,30	4,50	–	–	2,80	6,80	10,00	0,55	1,83	2,90	2,44	8,12	12,87	3,72	3,75	A	2189
	20	42	–	–	2,30	5,40	–	–	3,10	7,70	10,00	0,55	2,05	2,90	2,44	9,09	12,87	3,76	3,80	A	2189
	20	50	–	–	2,30	6,00	–	–	3,10	8,30	10,00	0,55	2,22	2,90	2,44	9,85	12,87	3,74	3,80	A	2189
	20	70	–	–	2,13	6,47	–	–	3,10	8,60	10,00	0,55	2,30	2,90	2,44	10,20	12,87	3,74	3,85	A	2189
	25	25	–	–	3,60	3,60	–	–	3,10	7,20	10,00	0,55	1,94	2,90	2,44	8,61	12,87	3,71	3,85	A	2189
	25	35	–	–	3,60	4,50	–	–	3,10	8,10	10,00	0,55	2,12	2,90	2,44	9,41	12,87	3,82	3,83	A	2189
	25	42	–	–	3,44	5,16	–	–	3,10	8,60	10,00	0,55	2,25	2,90	2,44	9,98	12,87	3,82	3,87	A	2189
	25	50	–	–	3,23	5,38	–	–	3,10	8,60	10,00	0,55	2,22	2,90	2,44	9,85	12,87	3,87	3,85	A	2189
	25	70	–	–	2,92	5,68	–	–	3,10	8,60	10,00	0,55	2,22	2,90	2,44	9,85	12,87	3,87	3,84	A	2189
	35	35	–	–	4,30	4,30	–	–	3,10	8,60	10,00	0,55	2,22	2,90	2,44	9,85	12,87	3,87	3,86	A	2189
	35	42	–	–	3,91	4,69	–	–	3,10	8,60	10,00	0,55	2,22	3,00	2,44	9,85	13,31	3,87	3,82	A	2189
	35	50	–	–	3,51	4,69	–	–	3,10	8,20	10,00	0,55	2,10	3,00	2,44	9,32	13,31	3,90	3,80	A	2189
	35	70	–	–	3,37	5,23	–	–	3,10	8,60	10,00	0,55	2,20	3,00	2,44	9,76	13,31	3,91	3,84	A	2189
	42	42	–	–	4,30	4,30	–	–	3,10	8,60	10,00	0,55	2,20	3,10	2,44	9,76	13,75	3,91	3,86	A	2189
	42	50	–	–	4,07	4,53	–	–	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,83	A	2189
	42	70	–	–	3,75	4,85	–	–	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,86	A	2189
	50	50	–	–	4,30	4,30	–	–	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,86	A	2189
	50	70	–	–	3,97	4,63	–	–	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,87	A	2189

	Combinations				Single nominal capacity				Total nominal capacity			Total power input			Total current input			COP	SCOP	Energy class	Annual energy cons.
	Indoor units				Indoor units																
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
					kW				kW			kW			A			W/W	W/W		kWh/annum
1:3	20	20	20	–	2,30	2,30	2,30	–	3,10	6,90	9,50	0,55	1,85	3,10	2,44	8,21	13,75	3,73	3,80	A	2183
	20	20	25	–	2,30	2,30	3,60	–	3,10	8,20	10,00	0,55	2,16	3,10	2,44	9,58	13,75	3,80	3,80	A	2183
	20	20	35	–	2,17	2,17	4,25	–	3,10	8,60	10,00	0,55	2,26	3,10	2,44	10,03	13,75	3,81	3,80	A	2183
	20	20	42	–	1,98	1,98	4,64	–	3,10	8,60	10,00	0,55	2,25	3,10	2,44	9,98	13,75	3,82	3,80	A	2183
	20	20	50	–	1,87	1,87	4,87	–	3,10	8,60	10,00	0,55	2,25	3,10	2,44	9,98	13,75	3,82	3,80	A	2183
	20	20	70	–	1,71	1,71	5,19	–	3,10	8,60	10,00	0,55	2,25	3,10	2,44	9,98	13,75	3,82	3,80	A	2183
	20	25	25	–	2,08	3,26	3,26	–	3,10	8,60	10,00	0,55	2,25	3,10	2,44	9,98	13,75	3,82	3,80	A	2183
	20	25	35	–	1,90	2,98	3,72	–	3,10	8,60	10,00	0,55	2,25	3,10	2,44	9,98	13,75	3,82	3,80	A	2183
	20	25	42	–	1,75	2,74	4,11	–	3,10	8,60	10,00	0,55	2,25	3,10	2,44	9,98	13,75	3,82	3,80	A	2183
	20	25	50	–	1,66	2,60	4,34	–	3,10	8,60	10,00	0,55	2,25	3,10	2,44	9,98	13,75	3,82	3,82	A	2183
	20	25	70	–	1,53	2,40	4,67	–	3,10	8,60	10,00	0,55	2,25	3,10	2,44	9,98	13,75	3,82	3,82	A	2183
	20	35	35	–	1,75	3,42	3,42	–	3,10	8,60	10,00	0,55	2,23	3,10	2,44	9,89	13,75	3,86	3,82	A	2183
	20	35	42	–	1,62	3,17	3,81	–	3,10	8,60	10,00	0,55	2,23	3,10	2,44	9,89	13,75	3,86	3,82	A	2183
	20	35	50	–	1,55	3,02	4,03	–	3,10	8,60	10,00	0,55	2,23	3,10	2,44	9,89	13,75	3,86	3,82	A	2183
	20	35	70	–	1,43	2,80	4,36	–	3,10	8,60	10,00	0,55	2,23	3,10	2,44	9,89	13,75	3,86	3,82	A	2183
	20	42	42	–	1,51	3,55	3,55	–	3,10	8,60	10,00	0,55	2,23	3,10	2,44	9,89	13,75	3,86	3,82	A	2183
	20	42	50	–	1,44	3,39	3,77	–	3,10	8,60	10,00	0,55	2,23	3,10	2,44	9,89	13,75	3,86	3,82	A	2183
	20	42	70	–	1,35	3,16	4,10	–	3,10	8,60	10,00	0,55	2,23	3,10	2,44	9,89	13,75	3,86	3,87	A	2183
	25	25	25	–	2,87	2,87	2,87	–	3,10	8,60	10,00	0,55	2,23	3,10	2,44	9,89	13,75	3,86	3,87	A	2183
	25	25	35	–	2,65	2,65	3,31	–	3,10	8,60	10,00	0,55	2,23	3,10	2,44	9,89	13,75	3,86	3,87	A	2183
	25	25	42	–	2,46	2,46	3,69	–	3,10	8,60	10,00	0,55	2,23	3,10	2,44	9,89	13,75	3,86	3,87	A	2183
	25	25	50	–	2,35	2,35	3,91	–	3,10	8,60	10,00	0,55	2,23	3,10	2,44	9,89	13,75	3,86	3,87	A	2183
	25	25	70	–	2,18	2,18	4,24	–	3,10	8,60	10,00	0,55	2,23	3,10	2,44	9,89	13,75	3,86	3,90	A	2183
	25	35	35	–	2,46	3,07	3,07	–	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,85	A	2183
	25	35	42	–	2,29	2,87	3,44	–	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,85	A	2183
	25	35	50	–	2,20	2,74	3,66	–	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,85	A	2183
	25	35	70	–	2,05	2,56	3,99	–	3,10	8,60	10,00	0,55	2,18	3,10	2,44	9,67	13,75	3,94	3,85	A	2183
	25	42	42	–	2,15	3,23	3,23	–	3,10	8,60	10,00	0,55	2,18	3,10	2,44	9,67	13,75	3,94	3,85	A	2183
	25	42	50	–	2,06	3,10	3,44	–	3,10	8,60	10,00	0,55	2,18	3,10	2,44	9,67	13,75	3,94	3,85	A	2183
	35	35	35	–	2,87	2,87	2,87	–	3,10	8,60	10,00	0,55	2,18	3,10	2,44	9,67	13,75	3,94	3,90	A	2183
	35	35	42	–	2,69	2,69	3,23	–	3,10	8,60	10,00	0,55	2,18	3,10	2,44	9,67	13,75	3,94	3,90	A	2183
	35	35	50	–	2,58	2,58	3,44	–	3,10	8,60	10,00	0,55	2,18	3,10	2,44	9,67	13,75	3,94	3,90	A	2183
1:4	20	20	20	20	2,15	2,15	2,15	2,15	3,10	8,60	10,00	0,55	2,25	3,10	2,44	9,98	13,75	3,82	3,85	A	2183
	20	20	20	25	1,88	1,88	1,88	2,95	3,10	8,60	10,00	0,55	2,22	3,10	2,44	9,85	13,75	3,87	3,85	A	2183
	20	20	20	35	1,74	1,74	1,74	3,39	3,10	8,60	10,00	0,55	2,22	3,10	2,44	9,85	13,75	3,87	3,85	A	2183
	20	20	20	42	1,61	1,61	1,61	3,78	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,85	A	2183
	20	20	20	50	1,53	1,53	1,53	4,00	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,85	A	2183
	20	20	20	70	1,42	1,42	1,42	4,33	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,85	A	2183
	20	20	25	25	1,68	1,68	2,62	2,62	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,85	A	2183
	20	20	25	35	1,56	1,56	2,44	3,05	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,85	A	2183
	20	20	25	42	1,45	1,45	2,28	3,41	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,9	A	2183
	20	20	25	50	1,39	1,39	2,18	3,63	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,9	A	2183
	20	20	25	70	1,30	1,30	2,04	3,96	3,10	8,60	10,00	0,55	2,19	3,10	2,44	9,72	13,75	3,93	3,9	A	2183
	20	20	35	35	1,45	1,45	2,85	2,85	3,10	8,60	10,00	0,55	2,17	3,10	2,44	9,63	13,75	3,96	3,9	A	2183
	20	20	35	42	1,36	1,36	2,67	3,20	3,10	8,60	10,00	0,55	2,17	3,10	2,44	9,63	13,75	3,96	3,9	A	2183
	20	20	35	50	1,31	1,31	2,56	3,42	3,10	8,60	10,00	0,55	2,17	3,10	2,44	9,63	13,75	3,96	3,9	A	2183
	20	20	42	42	1,28	1,28	3,02	3,02	3,10	8,60	10,00	0,55	2,17	3,10	2,44	9,63	13,75	3,96	3,9	A	2178
	20	20	42	50	1,24	1,24	2,90	3,23	3,10	8,60	10,00	0,55	2,17	3,10	2,44	9,63	13,75	3,96	3,9	A	2178
	20	25	25	25	1,51	2,36	2,36	2,36	3,10	8,60	10,00	0,55	2,17	3,10	2,44	9,63	13,75	3,96	3,9	A	2178
	20	25	25	35	1,41	2,21	2,21	2,76	3,10	8,60	10,00	0,55	2,17	3,10	2,44	9,63	13,75	3,96	3,9	A	2178
	20	25	25	42	1,33	2,08	2,08	3,12	3,10	8,60	10,00	0,55	2,17	3,10	2,44	9,63	13,75	3,96	3,95	A	2178
	20	25	25	50	1,28	2,00	2,00	3,33	3,10	8,60	10,00	0,55	2,17	3,10	2,44	9,63	13,75	3,96	3,95	A	2178
	20	25	35	35	1,33	2,08	2,60	2,60	3,10	8,60	10,00	0,55	2,17	3,10	2,44	9,63	13,75	3,96	3,95	A	2178
	20	25	35	42	1,25	1,96	2,45	2,94	3,10	8,60	10,00	0,55	2,17	3,10	2,44	9,63	13,75	3,96	3,95	A	2178
	20	25	35	50	1,21	1,89	2,36	3,15	3,10	8,60	10,00	0,55	2,17	3,10	2,44	9,63	13,75	3,96	3,95	A	2178
	20	25	42	42	1,18	1,85	2,78	2,78	3,10	8,60	10,00	0,55	2,16	3,10	2,44	9,58	13,75	3,98	4	A	2178
	20	25	42	50	1,14	1,79	2,68	2,98	3,10	8,60	10,00	0,55	2,16	3,10	2,44	9,58	13,75	3,98	4	A	2178
	20	35	35	35	1,25	2,45	2,45	2,45	3,10	8,60	10,00	0,55	2,16	3,10	2,44	9,58	13,75	3,98	4	A	2178
	20	35	35	42	1,18	2,32	2,32	2,78	3,10	8,60	10,00	0,55	2,16	3,10	2,44	9,58	13,75	3,98	4	A	2178
	25	25	25	25	2,15	2,15	2,15	2,15	3,10	8,60	10,00	0,55	2,15	3,10	2,44	9,54	13,75	4,00	4,1	A	2172
	25	25	25	35	2,02	2,02	2,02	2,53	3,10	8,60	10,00	0,55	2,15	3,10	2,44	9,54	13,75	4,00	4,1	A	2172
	25	25	25	42	1,91	1,91	1,91	2,87	3,10	8,60	10,00	0,55	2,15	3,10	2,44	9,54	13,75	4,00	4,1	A	2172
	25	25	25	50	1,84	1,84	1,84	3,07	3,10	8,60	10,00	0,55	2,15	3,10	2,44	9,54	13,75	4,00	4,1	A	2172
	25	25	35	35	1,91	1,91	2,39	2,39	3,10	8,60	10,00	0,55	2,15	3,10	2,44	9,54	13,75	4,00	4,1	A	2172

Performance are in accordance with UNI EN 14511 standards.

AARIA MULTI 485 PI

Cooling

	Combinations				Single nominal capacity				Total nominal capacity			Total power input			Total current input			EER	SEER	Energy class	Annual energy cons.
	Indoor units				Indoor units																
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
					kW				kW			kW			A			W/W	W/W		kWh/annum
	20	20	–	–	2,00	2,00	–	–	2,50	4,00	5,60	0,55	1,30	3,20	2,44	5,77	14,20	3,08	6,20	A++	464
	20	25	–	–	2,00	2,60	–	–	2,50	4,60	6,70	0,55	1,50	3,20	2,44	6,65	14,20	3,07	6,20	A++	464
	20	35	–	–	2,00	3,60	–	–	2,50	5,60	8,10	0,55	1,80	3,20	2,44	7,99	14,20	3,11	6,20	A++	464
	20	42	–	–	2,00	4,40	–	–	2,50	6,40	7,80	0,55	2,05	3,20	2,44	9,09	14,20	3,12	6,20	A++	464
	20	50	–	–	2,00	5,20	–	–	2,50	7,20	9,30	0,55	2,28	3,20	2,44	10,12	14,20	3,16	6,20	A++	464
	20	70	–	–	2,00	6,50	–	–	2,50	8,50	9,30	0,55	2,65	3,30	2,44	11,76	14,64	3,21	6,20	A++	464
	25	25	–	–	2,60	2,60	–	–	2,50	5,20	7,80	0,55	1,60	3,30	2,44	7,10	14,64	3,25	6,20	A++	464
	25	35	–	–	2,60	3,60	–	–	2,50	6,20	9,10	0,55	1,98	3,30	2,44	8,78	14,64	3,13	6,20	A++	464
	25	42	–	–	2,60	4,40	–	–	2,50	7,00	9,30	0,55	2,20	3,30	2,44	9,76	14,64	3,18	6,20	A++	464
	25	50	–	–	2,60	5,20	–	–	2,50	7,80	9,30	0,55	2,35	3,30	2,44	10,43	14,64	3,32	6,20	A++	464
1:2	25	70	–	–	2,43	6,07	–	–	2,50	8,50	9,30	0,55	2,60	3,30	2,44	11,54	14,64	3,27	6,20	A++	464
	35	35	–	–	3,60	3,60	–	–	2,50	7,20	9,30	0,55	2,20	3,30	2,44	9,76	14,64	3,27	6,20	A++	464
	35	42	–	–	3,60	4,40	–	–	2,50	8,00	9,30	0,55	2,42	3,30	2,44	10,74	14,64	3,31	6,20	A++	464
	35	50	–	–	3,31	4,79	–	–	2,50	8,10	9,50	0,55	2,52	3,30	2,44	11,18	14,64	3,21	6,20	A++	464
	35	70	–	–	3,03	5,47	–	–	2,50	8,50	9,50	0,55	2,59	3,30	2,44	11,49	14,64	3,28	6,20	A++	464
	42	42	–	–	4,25	4,25	–	–	2,50	8,50	9,50	0,55	2,59	3,30	2,44	11,49	14,64	3,28	6,20	A++	464
	42	50	–	–	3,90	4,60	–	–	2,50	8,50	9,50	0,55	2,59	3,30	2,44	11,49	14,64	3,28	6,20	A++	464
	42	70	–	–	3,43	5,07	–	–	2,50	8,50	9,50	0,55	2,58	3,30	2,44	11,45	14,64	3,29	6,20	A++	464
	50	50	–	–	4,25	4,25	–	–	2,50	8,50	9,50	0,55	2,56	3,30	2,44	11,36	14,64	3,32	6,20	A++	464
	50	70	–	–	3,78	4,72	–	–	2,50	8,50	9,50	0,55	2,55	3,30	2,44	11,31	14,64	3,33	6,20	A++	464
	70	70	–	–	4,25	4,25	–	–	2,50	8,50	9,50	0,55	2,55	3,30	2,44	11,31	14,64	3,33	6,20	A++	464
	20	20	20	–	2,00	2,00	2,00	–	3,00	6,00	9,50	0,55	1,85	3,50	2,44	8,21	15,53	3,24	6,70	A++	459
	20	20	25	–	2,00	2,00	2,60	–	3,00	6,60	9,50	0,55	2,00	3,50	2,44	8,87	15,53	3,30	6,70	A++	459
	20	20	35	–	2,00	2,00	3,60	–	3,00	7,60	9,50	0,55	2,30	3,50	2,44	10,20	15,53	3,30	6,70	A++	459
	20	20	42	–	2,00	2,00	4,40	–	3,20	8,40	9,50	0,55	2,56	3,50	2,44	11,36	15,53	3,28	6,70	A++	459
	20	20	50	–	1,85	1,85	4,80	–	3,20	8,50	9,50	0,55	2,57	3,50	2,44	11,40	15,53	3,31	6,70	A++	459
	20	20	70	–	1,62	1,62	5,26	–	3,20	8,50	9,50	0,55	2,57	3,50	2,44	11,40	15,53	3,31	6,70	A++	459
	20	25	25	–	2,00	2,60	2,60	–	3,20	7,20	9,50	0,55	2,20	3,50	2,44	9,76	15,53	3,27	6,70	A++	459
	20	25	35	–	2,00	2,60	3,60	–	3,20	8,20	9,50	0,55	2,50	3,50	2,44	11,09	15,53	3,28	6,70	A++	459
	20	25	42	–	1,89	2,46	4,16	–	3,20	8,50	9,50	0,55	2,56	3,50	2,44	11,36	15,53	3,32	6,70	A++	459
	20	25	50	–	1,73	2,26	4,51	–	3,20	8,50	9,50	0,55	2,56	3,50	2,44	11,36	15,53	3,32	6,70	A++	459
	20	25	70	–	1,53	1,99	4,98	–	3,20	8,50	9,50	0,55	2,56	3,50	2,44	11,36	15,53	3,32	6,70	A++	459
	20	35	35	–	1,85	3,33	3,33	–	3,20	8,50	9,50	0,55	2,56	3,50	2,44	11,36	15,53	3,32	6,70	A++	459
	20	35	42	–	1,70	3,06	3,74	–	3,20	8,50	9,50	0,55	2,56	3,50	2,44	11,36	15,53	3,32	6,70	A++	459
	20	35	50	–	1,57	2,83	4,09	–	3,20	8,50	9,50	0,55	2,56	3,50	2,44	11,36	15,53	3,32	6,70	A++	459
	20	35	70	–	1,40	2,53	4,57	–	3,20	8,50	9,50	0,55	2,56	3,50	2,44	11,36	15,53	3,32	6,70	A++	459
	20	42	42	–	1,57	3,46	3,46	–	3,20	8,50	9,50	0,55	2,56	3,50	2,44	11,36	15,53	3,32	6,70	A++	459
	20	42	50	–	1,47	3,22	3,81	–	3,20	8,50	9,50	0,55	2,56	3,50	2,44	11,36	15,53	3,32	6,70	A++	459
	20	42	70	–	1,32	2,90	4,28	–	3,20	8,50	9,50	0,55	2,56	3,50	2,44	11,36	15,53	3,32	6,70	A++	459
	20	50	50	–	1,37	3,56	3,56	–	3,20	8,50	9,50	0,55	2,56	3,50	2,44	11,36	15,53	3,32	6,70	A++	459
	25	25	25	–	2,60	2,60	2,60	–	3,20	7,80	9,50	0,55	2,35	3,50	2,44	10,43	15,53	3,32	6,72	A++	459
1:3	25	25	35	–	2,51	2,51	3,48	–	3,20	8,50	9,50	0,55	2,55	3,50	2,44	11,31	15,53	3,33	6,72	A++	459
	25	25	42	–	2,30	2,30	3,90	–	3,20	8,50	9,50	0,55	2,55	3,50	2,44	11,31	15,53	3,33	6,74	A++	459
	25	25	50	–	2,13	2,13	4,25	–	3,20	8,50	9,50	0,55	2,55	3,50	2,44	11,31	15,53	3,33	6,74	A++	459
	25	25	70	–	1,89	1,89	4,72	–	3,20	8,50	9,50	0,55	2,55	3,50	2,44	11,31	15,53	3,33	6,70	A++	459
	25	35	35	–	2,26	3,12	3,12	–	3,20	8,50	9,50	0,55	2,55	3,50	2,44	11,31	15,53	3,33	6,73	A++	459
	25	35	42	–	2,08	2,89	3,53	–	3,20	8,50	9,50	0,55	2,55	3,50	2,44	11,31	15,53	3,33	6,70	A++	459
	25	35	50	–	1,94	2,68	3,88	–	3,20	8,50	9,50	0,55	2,55	3,50	2,44	11,31	15,53	3,33	6,70	A++	459
	25	35	70	–	1,74	2,41	4,35	–	3,20	8,50	9,50	0,55	2,55	3,50	2,44	11,31	15,53	3,33	6,70	A++	459
	25	42	42	–	1,94	3,28	3,28	–	3,20	8,50	9,50	0,55	2,55	3,50	2,44	11,31	15,53	3,33	6,70	A++	459
	25	42	50	–	1,81	3,07	3,62	–	3,20	8,50	9,50	0,55	2,55	3,50	2,44	11,31	15,53	3,33	6,70	A++	459
	25	42	70	–	1,64	2,77	4,09	–	3,20	8,50	9,50	0,55	2,55	3,50	2,44	11,31	15,53	3,33	6,70	A++	459
	25	50	50	–	1,70	3,40	3,40	–	3,20	8,50	9,50	0,55	2,55	3,50	2,44	11,31	15,53	3,33	6,70	A++	459
	35	35	35	–	2,83	2,83	2,83	–	3,20	8,50	9,50	0,55	2,53	3,50	2,44	11,22	15,53	3,36	6,75	A++	459
	35	35	42	–	2,64	2,64	3,22	–	3,20	8,50	9,50	0,55	2,53	3,50	2,44	11,22	15,53	3,36	6,70	A++	459
	35	35	50	–	2,47	2,47	3,56	–	3,20	8,50	9,50	0,55	2,53	3,50	2,44	11,22	15,53	3,36	6,70	A++	459
	35	35	70	–	2,23	2,23	4,03	–	3,20	8,50	9,50	0,55	2,53	3,50	2,44	11,22	15,53	3,36	6,70	A++	459
	35	42	42	–	2,47	3,02	3,02	–	3,20	8,50	9,50	0,55	2,53	3,50	2,44	11,22	15,53	3,36	6,75	A++	459
	35	42	50	–	2,32	2,83	3,35	–	3,20	8,50	9,50	0,55	2,53	3,50	2,44	11,22	15,53	3,36	6,75	A++	459
	35	50	50	–	2,19	3,16	3,16	–	3,20	8,50	9,50	0,55	2,53	3,50	2,44	11,22	15,53	3,36	6,75	A++	459
	42	42	42	–	2,83	2,83	2,83	–	3,20	8,50	9,50	0,55	2,53	3,50	2,44	11,22	15,53	3,36	6,75	A++	459
	42	42	50	–	2,67	2,67	3,16	–	3,20	8,50	9,50	0,55	2,53	3,50	2,44	11,22	15,53	3,36	6,75	A++	459

	Combinations				Single nominal capacity				Total nominal capacity			Total power input			Total current input			EER	SEER	Energy class	Annual energy cons.
	Indoor units				Indoor units																
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
					kW				kW			kW			A			W/W	W/W		kWh/annum
1:4	20	20	20	20	2,00	2,00	2,00	2,00	3,20	8,00	9,50	0,55	2,43	3,50	2,44	10,78	15,53	3,29	6,80	A++	459
	20	20	20	25	1,98	1,98	1,98	2,57	3,20	8,50	9,50	0,55	2,55	3,50	2,44	11,31	15,53	3,33	6,80	A++	459
	20	20	20	35	1,77	1,77	1,77	3,19	3,20	8,50	9,50	0,55	2,54	3,50	2,44	11,27	15,53	3,35	6,80	A++	459
	20	20	20	42	1,63	1,63	1,63	3,60	3,20	8,50	9,50	0,55	2,54	3,50	2,44	11,27	15,53	3,35	6,80	A++	459
	20	20	20	50	1,52	1,52	1,52	3,95	3,20	8,50	9,50	0,55	2,54	3,50	2,44	11,27	15,53	3,35	6,80	A++	459
	20	20	20	70	1,36	1,36	1,36	4,42	3,20	8,50	9,50	0,55	2,54	3,50	2,44	11,27	15,53	3,35	6,70	A++	459
	20	20	25	25	1,85	1,85	2,40	2,40	3,20	8,50	9,50	0,55	2,54	3,50	2,44	11,27	15,53	3,35	6,80	A++	459
	20	20	25	35	1,67	1,67	2,17	3,00	3,20	8,50	9,50	0,55	2,54	3,50	2,44	11,27	15,53	3,35	6,80	A++	459
	20	20	25	42	1,55	1,55	2,01	3,40	3,20	8,50	9,50	0,55	2,54	3,50	2,44	11,27	15,53	3,35	6,80	A++	459
	20	20	25	50	1,44	1,44	1,87	3,75	3,20	8,50	9,50	0,55	2,54	3,50	2,44	11,27	15,53	3,35	6,80	A++	459
	20	20	25	70	1,30	1,30	1,69	4,22	3,20	8,50	9,50	0,55	2,54	3,50	2,44	11,27	15,53	3,35	6,70	A++	459
	20	20	35	35	1,52	1,52	2,73	2,73	3,20	8,50	9,50	0,55	2,54	3,50	2,44	11,27	15,53	3,35	6,80	A++	459
	20	20	35	42	1,42	1,42	2,55	3,12	3,20	8,50	9,50	0,55	2,54	3,50	2,44	11,27	15,53	3,35	6,70	A++	459
	20	20	35	50	1,33	1,33	2,39	3,45	3,20	8,50	9,50	0,55	2,52	3,50	2,44	11,18	15,53	3,37	6,70	A++	459
	20	20	42	42	1,33	1,33	2,92	2,92	3,20	8,50	9,50	0,55	2,52	3,50	2,44	11,18	15,53	3,37	7,00	A++	452
	20	20	42	50	1,25	1,25	2,75	3,25	3,20	8,50	9,50	0,55	2,52	3,50	2,44	11,18	15,53	3,37	7,00	A++	452
	20	25	25	25	1,73	2,26	2,26	2,26	3,20	8,50	9,50	0,55	2,52	3,50	2,44	11,18	15,53	3,37	7,00	A++	452
	20	25	25	35	1,57	2,05	2,05	2,83	3,20	8,50	9,50	0,55	2,52	3,50	2,44	11,18	15,53	3,37	7,00	A++	452
	20	25	25	42	1,47	1,91	1,91	3,22	3,20	8,50	9,50	0,55	2,52	3,50	2,44	11,18	15,53	3,37	7,00	A++	452
	20	25	25	50	1,37	1,78	1,78	3,56	3,20	8,50	9,50	0,55	2,52	3,50	2,44	11,18	15,53	3,37	7,00	A++	452
	20	25	35	35	1,44	1,87	2,59	2,59	3,20	8,50	9,50	0,55	2,52	3,50	2,44	11,18	15,53	3,37	7,00	A++	452
	20	25	35	42	1,35	1,75	2,43	2,97	3,20	8,50	9,50	0,55	2,52	3,50	2,44	11,18	15,53	3,37	7,00	A++	452
	20	25	35	50	1,27	1,65	2,28	3,30	3,20	8,50	9,50	0,55	2,52	3,50	2,44	11,18	15,53	3,37	7,00	A++	452
	20	25	42	42	1,27	1,65	2,79	2,79	3,20	8,50	9,50	0,55	2,52	3,50	2,44	11,18	15,53	3,37	7,00	A++	452
	20	25	42	50	1,20	1,56	2,63	3,11	3,20	8,50	9,50	0,55	2,52	3,50	2,44	11,18	15,53	3,37	7,00	A++	452
	20	35	35	35	1,33	2,39	2,39	2,39	3,20	8,50	9,50	0,55	2,51	3,50	2,44	11,14	15,53	3,39	7,00	A++	452
	20	35	35	42	1,25	2,25	2,25	2,75	3,20	8,50	9,50	0,55	2,51	3,50	2,44	11,14	15,53	3,39	7,00	A++	452
	25	25	25	25	2,13	2,13	2,13	2,13	3,20	8,50	9,50	0,55	2,50	3,50	2,44	11,09	15,53	3,40	7,10	A++	447
	25	25	25	35	1,94	1,94	1,94	2,68	3,20	8,50	9,50	0,55	2,50	3,50	2,44	11,09	15,53	3,40	7,10	A++	447
	25	25	25	42	1,81	1,81	1,81	3,07	3,20	8,50	9,50	0,55	2,50	3,50	2,44	11,09	15,53	3,40	7,10	A++	447
	25	25	25	50	1,70	1,70	1,70	3,40	3,20	8,50	9,50	0,55	2,50	3,50	2,44	11,09	15,53	3,40	7,10	A++	447
	25	25	35	35	1,78	1,78	2,47	2,47	3,20	8,50	9,50	0,55	2,50	3,50	2,44	11,09	15,53	3,40	7,10	A++	447
	25	25	35	42	1,67	1,67	2,32	2,83	3,20	8,50	9,50	0,55	2,50	3,50	2,44	11,09	15,53	3,40	7,10	A++	447
	25	25	35	50	1,58	1,58	2,19	3,16	3,20	8,50	9,50	0,55	2,50	3,50	2,44	11,09	15,53	3,40	7,10	A++	447
	25	25	42	42	1,58	1,58	2,67	2,67	3,20	8,50	9,50	0,55	2,50	3,50	2,44	11,09	15,53	3,40	7,10	A++	447
	25	35	35	35	1,65	2,28	2,28	2,28	3,20	8,50	9,50	0,55	2,50	3,50	2,44	11,09	15,53	3,40	7,10	A++	447
	25	35	35	42	1,56	2,15	2,15	2,63	3,20	8,50	9,50	0,55	2,50	3,50	2,44	11,09	15,53	3,40	7,10	A++	447
	35	35	35	35	2,13	2,13	2,13	2,13	3,20	8,50	9,50	0,55	2,50	3,50	2,44	11,09	15,53	3,40	7,10	A++	447

Heating

	Combinations				Single nominal capacity				Total nominal capacity			Total power input			Total current input			COP	SCOP	Energy class	Annual energy cons.
	Indoor units				Indoor units																
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
					kW				kW			kW			A			W/W	W/W		kWh/annum
1:2	20	20	–	–	2,30	2,30	–	–	2,80	4,60	8,00	0,55	1,25	3,30	2,44	5,55	14,64	3,68	3,75	A	2513
	20	25	–	–	2,30	3,60	–	–	3,00	5,90	10,00	0,55	1,59	3,30	2,44	7,05	14,64	3,71	3,75	A	2513
	20	35	–	–	2,30	4,50	–	–	3,20	6,80	10,00	0,55	1,83	3,30	2,44	8,12	14,64	3,72	3,75	A	2513
	20	42	–	–	2,30	5,40	–	–	3,40	7,70	10,00	0,55	2,05	3,30	2,44	9,09	14,64	3,76	3,80	A	2513
	20	50	–	–	2,30	6,00	–	–	3,80	8,30	10,50	0,55	2,22	3,30	2,44	9,85	14,64	3,74	3,80	A	2513
	20	70	–	–	2,30	7,00	–	–	4,00	9,30	10,50	0,55	2,50	3,30	2,44	11,09	14,64	3,72	3,85	A	2507
	25	25	–	–	3,60	3,60	–	–	3,40	7,20	10,50	0,55	1,94	3,30	2,44	8,61	14,64	3,71	3,85	A	2507
	25	35	–	–	3,60	4,50	–	–	3,80	8,10	10,50	0,55	2,10	3,30	2,44	9,32	14,64	3,86	3,83	A	2507
	25	42	–	–	3,60	5,40	–	–	4,00	9,00	10,50	0,55	2,30	3,30	2,44	10,20	14,64	3,91	3,87	A	2507
	25	50	–	–	3,60	6,00	–	–	4,40	9,60	10,50	0,55	2,50	3,30	2,44	11,09	14,64	3,84	3,85	A	2507
	25	70	–	–	3,26	6,34	–	–	4,40	9,60	10,50	0,55	2,55	3,30	2,44	11,31	14,64	3,76	3,84	A	2507
	35	35	–	–	4,50	4,50	–	–	4,00	9,00	10,50	0,55	2,35	3,30	2,44	10,43	14,64	3,83	3,86	A	2507
	35	42	–	–	4,36	5,24	–	–	4,40	9,60	10,50	0,55	2,50	3,30	2,44	11,09	14,64	3,84	3,82	A	2507
	35	50	–	–	3,86	5,14	–	–	4,40	9,00	10,50	0,55	2,37	3,30	2,44	10,51	14,64	3,80	3,80	A	2507
	35	70	–	–	3,76	5,84	–	–	4,40	9,60	10,50	0,55	2,50	3,30	2,44	11,09	14,64	3,84	3,84	A	2507
	42	42	–	–	4,80	4,80	–	–	4,40	9,60	10,50	0,55	2,49	3,30	2,44	11,05	14,64	3,86	3,86	A	2507
	42	50	–	–	4,55	5,05	–	–	4,40	9,60	10,50	0,55	2,49	3,30	2,44	11,05	14,64	3,86	3,83	A	2507
	42	70	–	–	4,18	5,42	–	–	4,40	9,60	10,50	0,55	2,48	3,30	2,44	11,00	14,64	3,87	3,86	A	2507

	Combinations				Single nominal capacity				Total nominal capacity			Total power input			Total current input			COP	SCOP	Energy class	Annual energy cons.
	Indoor units				Indoor units																
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
					kW				kW			kW			A			W/W	W/W		kWh/annum
	50	50	–	–	4,80	4,80	–	–	4,40	9,60	10,50	0,55	2,46	3,30	2,44	10,91	14,64	3,90	3,86	A	2507
	50	70	–	–	4,43	5,17	–	–	4,40	9,60	10,50	0,55	2,48	3,30	2,44	11,00	14,64	3,87	3,87	A	2507
	70	70	–	–	4,80	4,80	–	–	4,40	9,60	10,50	0,55	2,50	3,30	2,44	11,09	14,64	3,84	3,85	A	2507
	20	20	20	–	2,30	2,30	2,30	–	3,80	6,90	10,50	0,55	1,85	3,40	2,44	8,21	15,08	3,73	3,80	A	2507
	20	20	25	–	2,30	2,30	3,60	–	4,00	8,20	10,50	0,55	2,16	3,40	2,44	9,58	15,08	3,80	3,80	A	2507
	20	20	35	–	2,30	2,30	4,50	–	4,20	9,10	10,50	0,55	2,39	3,40	2,44	10,60	15,08	3,81	3,80	A	2507
	20	20	42	–	2,21	2,21	5,18	–	4,40	9,60	10,50	0,55	2,48	3,40	2,44	11,00	15,08	3,87	3,80	A	2507
	20	20	50	–	2,08	2,08	5,43	–	4,40	9,60	10,50	0,55	2,48	3,40	2,44	11,00	15,08	3,87	3,80	A	2507
	20	20	70	–	1,90	1,90	5,79	–	4,40	9,60	10,50	0,55	2,50	3,40	2,44	11,09	15,08	3,84	3,80	A	2507
	20	25	25	–	2,32	3,64	3,64	–	4,40	9,60	10,50	0,55	2,54	3,40	2,44	11,27	15,08	3,78	3,80	A	2507
	20	25	35	–	2,12	3,32	4,15	–	4,40	9,60	10,50	0,55	2,48	3,40	2,44	11,00	15,08	3,87	3,80	A	2507
	20	25	42	–	1,95	3,06	4,59	–	4,40	9,60	10,50	0,55	2,48	3,40	2,44	11,00	15,08	3,87	3,80	A	2507
	20	25	50	–	1,86	2,90	4,84	–	4,40	9,60	10,50	0,55	2,47	3,40	2,44	10,96	15,08	3,89	3,82	A	2507
	20	25	70	–	1,71	2,68	5,21	–	4,40	9,60	10,50	0,55	2,50	3,40	2,44	11,09	15,08	3,84	3,82	A	2507
	20	35	35	–	1,95	3,82	3,82	–	4,40	9,60	10,50	0,55	2,52	3,40	2,44	11,18	15,08	3,81	3,82	A	2507
	20	35	42	–	1,81	3,54	4,25	–	4,40	9,60	10,50	0,55	2,46	3,40	2,44	10,91	15,08	3,90	3,82	A	2507
	20	35	50	–	1,73	3,38	4,50	–	4,40	9,60	10,50	0,55	2,46	3,40	2,44	10,91	15,08	3,90	3,82	A	2507
	20	35	70	–	1,60	3,13	4,87	–	4,40	9,60	10,50	0,55	2,46	3,40	2,44	10,91	15,08	3,90	3,82	A	2507
1:3	20	42	42	–	1,69	3,96	3,96	–	4,40	9,60	10,50	0,55	2,46	3,40	2,44	10,91	15,08	3,90	3,82	A	2507
	20	42	50	–	1,61	3,78	4,20	–	4,40	9,60	10,50	0,55	2,46	3,40	2,44	10,91	15,08	3,90	3,82	A	2507
	20	42	70	–	1,50	3,53	4,57	–	4,40	9,60	10,50	0,55	2,46	3,40	2,44	10,91	15,08	3,90	3,87	A	2501
	20	50	50	–	1,54	4,03	4,03	–	4,40	9,60	10,50	0,55	2,46	3,40	2,44	10,91	15,08	3,90	3,87	A	2501
	25	25	25	–	3,20	3,20	3,20	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,87	A	2501
	25	25	35	–	2,95	2,95	3,69	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,87	A	2501
	25	25	42	–	2,74	2,74	4,11	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,87	A	2501
	25	25	50	–	2,62	2,62	4,36	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,87	A	2501
	25	25	70	–	2,43	2,43	4,73	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,90	A	2501
	25	35	35	–	2,74	3,43	3,43	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,85	A	2501
	25	35	42	–	2,56	3,20	3,84	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,85	A	2501
	25	35	50	–	2,45	3,06	4,09	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,85	A	2501
	25	35	70	–	2,29	2,86	4,45	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,85	A	2501
	25	42	42	–	2,40	3,60	3,60	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,85	A	2501
	25	42	50	–	2,30	3,46	3,84	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,85	A	2501
	25	42	70	–	2,16	3,24	4,20	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,85	A	2501
	25	50	50	–	2,22	3,69	3,69	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,85	A	2501
	35	35	35	–	3,20	3,20	3,20	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,90	A	2501
	35	35	42	–	3,00	3,00	3,60	–	4,40	9,60	10,50	0,55	2,45	3,40	2,44	10,87	15,08	3,92	3,90	A	2501
	35	35	50	–	2,88	2,88	3,84	–	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
	35	35	70	–	2,70	2,70	4,20	–	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,85	A	2501
	35	42	42	–	2,82	3,39	3,39	–	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
	35	42	50	–	2,72	3,26	3,62	–	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
	35	50	50	–	2,62	3,49	3,49	–	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
	42	42	42	–	3,20	3,20	3,20	–	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
	42	42	50	–	3,09	3,09	3,43	–	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
	20	20	20	20	2,30	2,30	2,30	2,30	4,20	9,20	10,50	0,55	2,42	3,40	2,44	10,74	15,08	3,80	3,85	A	2501
	20	20	20	25	2,10	2,10	2,10	3,29	4,20	9,60	10,50	0,55	2,44	3,40	2,44	10,83	15,08	3,93	3,85	A	2501
	20	20	20	35	1,94	1,94	1,94	3,79	4,40	9,60	10,50	0,55	2,44	3,40	2,44	10,83	15,08	3,93	3,85	A	2501
	20	20	20	42	1,80	1,80	1,80	4,21	4,40	9,60	10,50	0,55	2,44	3,40	2,44	10,83	15,08	3,93	3,85	A	2501
	20	20	20	50	1,71	1,71	1,71	4,47	4,40	9,60	10,50	0,55	2,44	3,40	2,44	10,83	15,08	3,93	3,85	A	2501
	20	20	20	70	1,59	1,59	1,59	4,83	4,40	9,60	10,50	0,55	2,44	3,40	2,44	10,83	15,08	3,93	3,85	A	2501
	20	20	25	25	1,87	1,87	2,93	2,93	4,40	9,60	10,50	0,55	2,44	3,40	2,44	10,83	15,08	3,93	3,85	A	2501
	20	20	25	35	1,74	1,74	2,72	3,40	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,85	A	2501
	20	20	25	42	1,62	1,62	2,54	3,81	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
	20	20	25	50	1,55	1,55	2,43	4,06	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
	20	20	25	70	1,45	1,45	2,27	4,42	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
	20	20	35	35	1,62	1,62	3,18	3,18	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
1:4	20	20	35	42	1,52	1,52	2,98	3,58	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
	20	20	35	50	1,46	1,46	2,86	3,81	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
	20	20	42	42	1,43	1,43	3,37	3,37	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
	20	20	42	50	1,38	1,38	3,24	3,60	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
	20	25	25	25	1,69	2,64	2,64	2,64	4,40	9,60	10,50	0,55	2,43	3,40	2,44	10,78	15,08	3,95	3,90	A	2501
	20	25	25	35	1,58	2,47	2,47	3,09	4,40	9,60	10,50	0,55	2,42	3,40	2,44	10,74	15,08	3,97	3,90	A	2501
	20	25	25	42	1,48	2,32	2,32	3,48	4,40	9,60	10,50	0,55	2,42	3,40	2,44	10,74	15,08	3,97	3,95	A	2495
	20	25	25	50	1,42	2,23	2,23	3,72	4,40	9,60	10,50	0,55	2,42	3,40	2,44	10,74	15,08	3,97	3,95	A	2495
	20	25	35	35	1,48	2,32	2,90	2,90	4,40	9,60	10,50	0,55	2,42	3,40	2,44	10,74	15,08	3,97	3,95	A	2495
	20	25	35	42	1,40	2,19	2,73	3,28	4,40	9,60	10,50	0,55	2,42	3,40	2,44	10,74	15,08	3,97	3,95	A	2495
	20	25	35	50	1,35	2,11	2,63	3,51	4,40	9,60	10,50	0,55	2,42	3,40	2,44	10,74	15,08	3,97	3,95	A	2495
	20	25	42	42	1,32	2,07	3,10	3,10	4,40	9,60	10,50	0,55	2,41	3,40	2,44	10,69	15,08	3,98	4,00	A+	2495
	20	25	42	50	1,28	2,00	3,00	3,33	4,40	9,60	10,50	0,55	2,41	3,40	2,44	10,69	15,08	3,98	4,00	A+	2495
	20	35	35	35	1,40	2,73	2,73	2,73	4,40	9,60	10,50	0,55	2,41	3,40	2,44	10,69	15,08	3,98	4,00	A+	2495
	20	35	35	42	1,32	2,59	2,59	3,10	4,40	9,60	10,50	0,55	2,41	3,40	2,44	10,69	15,08	3,98	4,00	A+	2495
	25	25	25	25	2,40	2,40	2,40	2,40	4,40	9,60	10,50	0,55	2,40	3,40	2,44	10,65	15,08	4,00	4,10	A+	2489
	25	25	25	35	2,26	2,26	2,26	2,82	4,40	9,60	10,50	0,55	2,40	3,40	2,44	10,65	15,08	4,00	4,10	A+	2489
	25	25	25	42	2,13	2,13	2,13	3,20	4,40	9,60	10,50	0,55	2,40	3,40	2,44	10,65	15,08	4,00	4,10	A+	2489
	25	25	25	50	2,06	2,06	2,06	3,43	4,40	9,60	10,50	0,55	2,40	3,40	2,44	10,65	15,08	4,00	4,10	A+	2489
	25	25	35	35	2,13	2,13	2,67	2,67	4,40	9,60	10,50	0,55	2,40	3,40	2,44	10,65	15,08	4,00	4,10	A+	2489

Combinations					Single nominal capacity				Total nominal capacity			Total power input			Total current input			COP	SCOP	Energy class	Annual energy cons.
	Indoor units				Indoor units																
	A	B	C	D	Unit A	Unit B	Unit C	Unit D	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
					kW				kW			kW			A			W/W	W/W		kWh/annum
	25	25	35	42	2,02	2,02	2,53	3,03	4,40	9,60	10,50	0,55	2,40	3,40	2,44	10,65	15,08	4,00	4,10	A+	2489
	25	25	35	50	1,95	1,95	2,44	3,25	4,40	9,60	10,50	0,55	2,40	3,40	2,44	10,65	15,08	4,00	4,10	A+	2489
	25	25	42	42	1,68	1,68	3,12	3,12	4,40	9,60	10,50	0,55	2,40	3,40	2,44	10,65	15,08	4,00	4,10	A+	2489
	25	35	35	35	2,02	2,53	2,53	2,53	4,40	9,60	10,50	0,55	2,40	3,40	2,44	10,65	15,08	4,00	4,10	A+	2489
	25	35	35	42	1,92	2,40	2,40	2,88	4,40	9,60	10,50	0,55	2,40	3,40	2,44	10,65	15,08	4,00	4,10	A+	2489
	35	35	35	35	2,40	2,40	2,40	2,40	4,40	9,60	10,50	0,55	2,40	3,40	2,44	10,65	15,08	4,00	4,10	A+	2489

Performance are in accordance with UNI EN 14511 standards.

AARIA MULTI 590 PI

Cooling

Combinations						Single nominal capacity					Total nominal capacity			Total power input			Total current input			EER	SEER	Energy class	Annual energy cons.
	Indoor units					Indoor units																	
	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
						kW					kW			kW			A			W/W	W/W		kWh/annum
1:2	20	20	–	–	–	2,00	2,00	–	–	–	2,50	4,00	5,60	0,55	1,50	3,60	2,44	6,65	15,97	2,67	6,20	A++	473
	20	25	–	–	–	2,00	2,60	–	–	–	2,50	4,60	6,70	0,55	1,67	3,60	2,44	7,41	15,97	2,75	6,20	A++	473
	20	35	–	–	–	2,00	3,60	–	–	–	2,50	5,60	8,10	0,55	2,03	3,60	2,44	9,01	15,97	2,76	6,20	A++	473
	20	42	–	–	–	2,00	4,40	–	–	–	2,50	6,40	7,80	0,55	2,30	3,60	2,44	10,20	15,97	2,78	6,20	A++	473
	20	50	–	–	–	2,00	5,20	–	–	–	2,50	7,20	9,30	0,55	2,58	3,60	2,44	11,45	15,97	2,79	6,20	A++	473
	20	70	–	–	–	2,00	6,50	–	–	–	2,50	8,50	9,30	0,55	2,95	3,60	2,44	13,09	15,97	2,88	6,20	A++	473
	25	25	–	–	–	2,60	2,60	–	–	–	2,50	5,20	7,80	0,55	1,89	3,60	2,44	8,39	15,97	2,75	6,20	A++	473
	25	35	–	–	–	2,60	3,60	–	–	–	2,50	6,20	9,10	0,55	2,23	3,60	2,44	9,89	15,97	2,78	6,20	A++	473
	25	42	–	–	–	2,60	4,40	–	–	–	2,50	7,00	9,30	0,55	2,51	3,60	2,44	11,14	15,97	2,79	6,20	A++	473
	25	50	–	–	–	2,60	5,20	–	–	–	2,50	7,80	9,30	0,55	2,79	3,60	2,44	12,38	15,97	2,80	6,20	A++	473
	25	70	–	–	–	2,57	6,43	–	–	–	2,50	9,00	9,30	0,55	2,99	3,60	2,44	13,27	15,97	3,01	6,20	A++	473
	35	35	–	–	–	3,60	3,60	–	–	–	2,50	7,20	9,30	0,55	2,41	3,60	2,44	10,69	15,97	2,99	6,20	A++	473
	35	42	–	–	–	3,60	4,40	–	–	–	2,50	8,00	9,30	0,55	2,68	3,60	2,44	11,89	15,97	2,99	6,20	A++	473
	35	50	–	–	–	3,60	5,20	–	–	–	2,50	8,80	10,00	0,55	2,91	3,60	2,44	12,91	15,97	3,02	6,20	A++	473
	35	70	–	–	–	3,21	5,79	–	–	–	2,50	9,00	11,00	0,55	3,02	3,60	2,44	13,40	15,97	2,98	6,20	A++	473
	42	42	–	–	–	4,40	4,40	–	–	–	2,50	8,80	10,00	0,55	2,83	3,60	2,44	12,56	15,97	3,11	6,20	A++	473
	42	50	–	–	–	4,13	4,88	–	–	–	2,50	9,00	10,50	0,55	2,89	3,60	2,44	12,82	15,97	3,11	6,20	A++	473
	42	70	–	–	–	3,63	5,37	–	–	–	2,50	9,00	11,00	0,55	2,96	3,60	2,44	13,13	15,97	3,04	6,20	A++	473
	50	50	–	–	–	4,50	4,50	–	–	–	2,50	9,00	11,00	0,55	3,01	3,60	2,44	13,35	15,97	2,99	6,20	A++	473
	50	70	–	–	–	4,00	5,00	–	–	–	2,50	9,00	11,00	0,55	3,15	3,60	2,44	13,98	15,97	2,86	6,20	A++	473
	70	70	–	–	–	4,50	4,50	–	–	–	2,50	9,00	11,00	0,55	3,15	3,60	2,44	13,98	15,97	2,86	6,20	A++	473

Combinations						Single nominal capacity					Total nominal capacity			Total power input			Total current input			EER	SEER	Energy class	Annual energy cons.
	Indoor units					Indoor units																	
	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
						kW					kW			kW			A			W/W	W/W		kWh/annum
	20	20	20	–	–	2,00	2,00	2,00	–	–	3,00	6,00	9,50	0,55	2,05	3,80	2,44	9,09	16,86	2,93	6,70	A++	467
	20	20	25	–	–	2,00	2,00	2,60	–	–	3,00	6,60	9,50	0,55	2,21	3,80	2,44	9,80	16,86	2,99	6,70	A++	467
	20	20	35	–	–	2,00	2,00	3,60	–	–	3,00	7,60	9,50	0,55	2,38	3,80	2,44	10,56	16,86	3,19	6,70	A++	467
	20	20	42	–	–	2,00	2,00	4,40	–	–	3,20	8,40	9,50	0,55	2,67	3,80	2,44	11,85	16,86	3,15	6,70	A++	467
	20	20	50	–	–	1,96	1,96	5,09	–	–	3,20	9,00	10,00	0,55	2,84	3,80	2,44	12,60	16,86	3,17	6,70	A++	467
	20	20	70	–	–	1,71	1,71	5,57	–	–	3,20	9,00	11,00	0,55	2,98	4,10	2,44	13,22	18,19	3,02	6,70	A++	467
	20	25	25	–	–	2,00	2,60	2,60	–	–	3,20	7,20	9,50	0,55	2,33	3,80	2,44	10,34	16,86	3,09	6,70	A++	467
	20	25	35	–	–	2,00	2,60	3,60	–	–	3,20	8,20	9,50	0,55	2,57	3,80	2,44	11,40	16,86	3,19	6,70	A++	467
	20	25	42	–	–	2,00	2,60	4,40	–	–	3,20	9,00	10,00	0,55	2,82	3,80	2,44	12,51	16,86	3,19	6,70	A++	467
	20	25	50	–	–	1,84	2,39	4,78	–	–	3,20	9,00	11,00	0,55	2,88	3,80	2,44	12,78	16,86	3,13	6,70	A++	467
	20	25	70	–	–	1,62	2,11	5,27	–	–	3,20	9,00	11,00	0,55	3,03	4,10	2,44	13,44	18,19	2,97	6,70	A++	467
	20	35	35	–	–	1,96	3,52	3,52	–	–	3,20	9,00	11,00	0,55	2,86	3,80	2,44	12,69	16,86	3,15	6,70	A++	467
	20	35	42	–	–	1,80	3,24	3,96	–	–	3,20	9,00	11,00	0,55	2,93	4,10	2,44	13,00	18,19	3,07	6,70	A++	467
	20	35	50	–	–	1,67	3,00	4,33	–	–	3,20	9,00	11,00	0,55	2,99	4,10	2,44	13,27	18,19	3,01	6,70	A++	467
	20	35	70	–	–	1,49	2,68	4,83	–	–	3,20	9,00	11,00	0,55	3,00	4,10	2,44	13,31	18,19	3,00	6,70	A++	467
	20	42	42	–	–	1,67	3,67	3,67	–	–	3,20	9,00	11,00	0,55	2,97	4,10	2,44	13,18	18,19	3,03	6,70	A++	467
	20	42	50	–	–	1,55	3,41	4,03	–	–	3,20	9,00	11,00	0,55	2,97	4,10	2,44	13,18	18,19	3,03	6,70	A++	467
	20	42	70	–	–	1,40	3,07	4,53	–	–	3,20	9,00	11,00	0,55	3,00	4,10	2,44	13,31	18,19	3,00	6,70	A++	467
	20	50	50	–	–	1,45	3,77	3,77	–	–	3,20	9,00	11,00	0,55	2,98	4,10	2,44	13,22	18,19	3,02	6,70	A++	467
	25	25	25	–	–	2,60	2,60	2,60	–	–	3,20	7,80	9,50	0,55	2,56	3,80	2,44	11,36	16,86	3,05	6,72	A++	467
1:3	25	25	35	–	–	2,60	2,60	3,60	–	–	3,20	8,80	10,00	0,55	2,75	3,80	2,44	12,20	16,86	3,20	6,72	A++	467
	25	25	42	–	–	2,44	2,44	4,13	–	–	3,20	9,00	11,00	0,55	2,87	3,80	2,44	12,73	16,86	3,14	6,74	A++	467
	25	25	50	–	–	2,25	2,25	4,50	–	–	3,20	9,00	11,00	0,55	2,97	4,10	2,44	13,18	18,19	3,03	6,74	A++	467
	25	25	70	–	–	2,00	2,00	5,00	–	–	3,20	9,00	11,00	0,55	2,97	4,10	2,44	13,18	18,19	3,03	6,70	A++	467
	25	35	35	–	–	2,39	3,31	3,31	–	–	3,20	9,00	11,00	0,55	2,92	3,80	2,44	12,95	16,86	3,08	6,73	A++	467
	25	35	42	–	–	2,21	3,06	3,74	–	–	3,20	9,00	11,00	0,55	2,97	4,10	2,44	13,18	18,19	3,03	6,70	A++	467
	25	35	50	–	–	2,05	2,84	4,11	–	–	3,20	9,00	11,00	0,55	2,97	4,10	2,44	13,18	18,19	3,03	6,70	A++	467
	25	35	70	–	–	1,84	2,55	4,61	–	–	3,20	9,00	11,00	0,55	2,97	4,10	2,44	13,18	18,19	3,03	6,70	A++	467
	25	42	42	–	–	2,05	3,47	3,47	–	–	3,20	9,00	11,00	0,55	2,97	4,10	2,44	13,18	18,19	3,03	6,70	A++	467
	25	42	50	–	–	1,92	3,25	3,84	–	–	3,20	9,00	11,00	0,55	2,97	4,10	2,44	13,18	18,19	3,03	6,70	A++	467
	25	42	70	–	–	1,73	2,93	4,33	–	–	3,20	9,00	11,00	0,55	3,00	4,10	2,44	13,31	18,19	3,00	6,70	A++	467
	25	50	50	–	–	1,80	3,60	3,60	–	–	3,20	9,00	11,00	0,55	3,00	4,10	2,44	13,31	18,19	3,00	6,70	A++	467
	35	35	35	–	–	3,00	3,00	3,00	–	–	3,20	9,00	11,00	0,55	2,96	4,10	2,44	13,13	18,19	3,04	6,75	A++	467
	35	35	42	–	–	2,79	2,79	3,41	–	–	3,20	9,00	11,00	0,55	2,95	4,10	2,44	13,09	18,19	3,05	6,70	A++	467
	35	35	50	–	–	2,61	2,61	3,77	–	–	3,20	9,00	11,00	0,55	2,96	4,10	2,44	13,13	18,19	3,04	6,70	A++	467
	35	35	70	–	–	2,36	2,36	4,27	–	–	3,20	9,00	11,00	0,55	2,96	4,10	2,44	13,13	18,19	3,04	6,70	A++	467
	35	42	42	–	–	2,61	3,19	3,19	–	–	3,20	9,00	11,00	0,55	2,96	4,10	2,44	13,13	18,19	3,04	6,75	A++	467
	35	42	50	–	–	2,45	3,00	3,55	–	–	3,20	9,00	11,00	0,55	2,94	4,10	2,44	13,04	18,19	3,06	6,75	A++	467
	35	50	50	–	–	2,31	3,34	3,34	–	–	3,20	9,00	11,00	0,55	3,00	4,10	2,44	13,31	18,19	3,00	6,75	A++	467
	42	42	42	–	–	3,00	3,00	3,00	–	–	3,20	9,00	11,00	0,55	3,00	4,10	2,44	13,31	18,19	3,00	6,75	A++	467
	42	42	50	–	–	2,83	2,83	3,34	–	–	3,20	9,00	11,00	0,55	3,00	4,10	2,44	13,31	18,19	3,00	6,75	A++	467

	Combinations					Single nominal capacity					Total nominal capacity			Total power input			Total current input			EER	SEER	Energy class	Annual energy cons.
	Indoor units					Indoor units																	
	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
						kW					kW			kW			A			W/W	W/W		kWh/annum
1:4	20	20	20	20	–	2,00	2,00	2,00	2,00	–	3,20	8,00	11,00	0,55	2,66	4,00	2,44	11,80	17,75	3,01	6,80	A++	467
	20	20	20	25	–	2,00	2,00	2,00	2,60	–	3,20	8,60	11,00	0,55	2,78	4,00	2,44	12,33	17,75	3,09	6,80	A++	467
	20	20	20	35	–	1,88	1,88	1,88	3,38	–	3,20	9,00	11,00	0,55	2,86	4,00	2,44	12,69	17,75	3,15	6,80	A++	467
	20	20	20	42	–	1,73	1,73	1,73	3,81	–	3,20	9,00	11,00	0,55	2,92	4,10	2,44	12,95	18,19	3,08	6,80	A++	467
	20	20	20	50	–	1,61	1,61	1,61	4,18	–	3,20	9,00	11,00	0,55	2,91	4,10	2,44	12,91	18,19	3,09	6,80	A++	467
	20	20	20	70	–	1,44	1,44	1,44	4,68	–	3,20	9,00	11,00	0,55	2,91	4,10	2,44	12,91	18,19	3,09	6,70	A++	467
	20	20	25	25	–	1,96	1,96	2,54	2,54	–	3,20	9,00	11,00	0,55	2,83	4,00	2,44	12,56	17,75	3,18	6,80	A++	467
	20	20	25	35	–	1,76	1,76	2,29	3,18	–	3,20	9,00	11,00	0,55	2,91	4,10	2,44	12,91	18,19	3,09	6,80	A++	467
	20	20	25	42	–	1,64	1,64	2,13	3,60	–	3,20	9,00	11,00	0,55	2,91	4,10	2,44	12,91	18,19	3,09	6,80	A++	467
	20	20	25	50	–	1,53	1,53	1,98	3,97	–	3,20	9,00	11,00	0,55	2,91	4,10	2,44	12,91	18,19	3,09	6,80	A++	467
	20	20	25	70	–	1,37	1,37	1,79	4,47	–	3,20	9,00	11,00	0,55	2,92	4,10	2,44	12,95	18,19	3,08	6,70	A++	467
	20	20	35	35	–	1,61	1,61	2,89	2,89	–	3,20	9,00	11,00	0,55	2,91	4,10	2,44	12,91	18,19	3,09	6,80	A++	467
	20	20	35	42	–	1,50	1,50	2,70	3,30	–	3,20	9,00	11,00	0,55	2,92	4,10	2,44	12,95	18,19	3,08	6,70	A++	467
	20	20	35	50	–	1,41	1,41	2,53	3,66	–	3,20	9,00	11,00	0,55	2,91	4,10	2,44	12,91	18,19	3,09	6,70	A++	467
	20	20	42	42	–	1,41	1,41	3,09	3,09	–	3,20	9,00	11,00	0,55	2,92	4,10	2,44	12,95	18,19	3,08	6,90	A++	461
	20	20	42	50	–	1,32	1,32	2,91	3,44	–	3,20	9,00	11,00	0,55	2,92	4,10	2,44	12,95	18,19	3,08	6,90	A++	461
	20	20	50	50	–	1,25	1,25	3,25	3,25	–	3,20	9,00	11,00	0,55	2,92	4,10	2,44	12,95	18,19	3,08	6,90	A++	461
	20	25	25	25	–	1,84	2,39	2,39	2,39	–	3,20	9,00	11,00	0,55	2,85	4,00	2,44	12,64	17,75	3,16	6,90	A++	461
	20	25	25	35	–	1,67	2,17	2,17	3,00	–	3,20	9,00	11,00	0,55	2,90	4,10	2,44	12,87	18,19	3,10	6,90	A++	461
	20	25	25	42	–	1,55	2,02	2,02	3,41	–	3,20	9,00	11,00	0,55	2,91	4,10	2,44	12,91	18,19	3,09	6,90	A++	461
	20	25	25	50	–	1,45	1,89	1,89	3,77	–	3,20	9,00	11,00	0,55	2,90	4,10	2,44	12,87	18,19	3,10	6,90	A++	461
	20	25	35	35	–	1,53	1,98	2,75	2,75	–	3,20	9,00	11,00	0,55	2,84	4,10	2,44	12,60	18,19	3,17	6,90	A++	461
	20	25	35	42	–	1,43	1,86	2,57	3,14	–	3,20	9,00	11,00	0,55	2,87	4,10	2,44	12,73	18,19	3,14	6,90	A++	461
	20	25	35	50	–	1,34	1,75	2,42	3,49	–	3,20	9,00	11,00	0,55	2,86	4,10	2,44	12,69	18,19	3,15	6,90	A++	461
	20	25	42	42	–	1,34	1,75	2,96	2,96	–	3,20	9,00	11,00	0,55	2,85	4,10	2,44	12,64	18,19	3,16	6,90	A++	461
	20	25	42	50	–	1,27	1,65	2,79	3,30	–	3,20	9,00	11,00	0,55	2,90	4,10	2,44	12,87	18,19	3,10	6,90	A++	461
	20	35	35	35	–	1,41	2,53	2,53	2,53	–	3,20	9,00	11,00	0,55	2,87	4,10	2,44	12,73	18,19	3,14	6,90	A++	461
	20	35	35	42	–	1,32	2,38	2,38	2,91	–	3,20	9,00	11,00	0,55	2,89	4,10	2,44	12,82	18,19	3,11	6,90	A++	461
	20	35	35	50	–	1,25	2,25	2,25	3,25	–	3,20	9,00	11,00	0,55	2,93	4,10	2,44	13,00	18,19	3,07	6,90	A++	461
	20	35	42	42	–	1,25	2,25	2,75	2,75	–	3,20	9,00	11,00	0,55	2,91	4,10	2,44	12,91	18,19	3,09	6,90	A++	461
	20	42	42	42	–	1,18	2,61	2,61	2,61	–	3,20	9,00	11,00	0,55	2,92	4,10	2,44	12,95	18,19	3,08	6,90	A++	461
	25	25	25	25	–	2,25	2,25	2,25	2,25	–	3,20	9,00	11,00	0,55	2,87	4,10	2,44	12,73	18,19	3,14	6,90	A++	461
	25	25	25	35	–	2,05	2,05	2,05	2,84	–	3,20	9,00	11,00	0,55	2,81	4,10	2,44	12,47	18,19	3,20	6,90	A++	461
	25	25	25	42	–	1,92	1,92	1,92	3,25	–	3,20	9,00	11,00	0,55	2,76	4,10	2,44	12,24	18,19	3,26	6,90	A++	461
	25	25	25	50	–	1,80	1,80	1,80	3,60	–	3,20	9,00	11,00	0,55	2,78	4,10	2,44	12,33	18,19	3,24	6,90	A++	461
	25	25	35	35	–	1,89	1,89	2,61	2,61	–	3,20	9,00	11,00	0,55	2,81	4,10	2,44	12,47	18,19	3,20	6,90	A++	461
	25	25	35	42	–	1,77	1,77	2,45	3,00	–	3,20	9,00	11,00	0,55	2,80	4,10	2,44	12,42	18,19	3,21	7,00	A++	455
	25	25	35	50	–	1,67	1,67	2,31	3,34	–	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	25	25	42	42	–	1,67	1,67	2,83	2,83	–	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	25	35	35	35	–	1,75	2,42	2,42	2,42	–	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	25	35	35	42	–	1,65	2,28	2,28	2,79	–	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	35	35	35	35	–	2,25	2,25	2,25	2,25	–	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455

	Combinations					Single nominal capacity					Total nominal capacity			Total power input			Total current input			EER	SEER	Energy class	Annual energy cons.
	Indoor units					Indoor units																	
	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
						kW					kW			kW			A			W/W	W/W		kWh/annum
	20	20	20	20	20	1,80	1,80	1,80	1,80	1,80	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	20	20	20	25	1,70	1,70	1,70	1,70	2,21	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	20	20	20	35	1,55	1,55	1,55	1,55	2,79	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	20	20	20	42	1,45	1,45	1,45	1,45	3,19	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	20	20	20	50	1,36	1,36	1,36	1,36	3,55	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	20	20	25	25	1,61	1,61	1,61	2,09	2,09	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	20	20	25	35	1,48	1,48	1,48	1,92	2,66	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	20	20	25	42	1,38	1,38	1,38	1,80	3,05	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	20	20	25	50	1,30	1,30	1,30	1,70	3,39	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	20	20	35	35	1,36	1,36	1,36	2,45	2,45	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
1:5	20	20	20	35	42	1,29	1,29	1,29	2,31	2,83	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	20	25	25	25	1,53	1,53	1,98	1,98	1,98	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	20	25	25	35	1,41	1,41	1,83	1,83	2,53	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	20	25	25	42	1,32	1,32	1,72	1,72	2,91	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	20	25	25	50	1,25	1,25	1,63	1,63	3,25	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	20	25	35	35	1,30	1,30	1,70	2,35	2,35	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	25	25	25	25	1,45	1,89	1,89	1,89	1,89	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	25	25	25	35	1,34	1,75	1,75	1,75	2,42	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	20	25	25	25	42	1,27	1,65	1,65	1,65	2,79	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,00	A++	455
	25	25	25	25	25	1,80	1,80	1,80	1,80	1,80	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,10	A++	450
	25	25	25	25	35	1,67	1,67	1,67	1,67	2,31	3,20	9,00	11,00	0,55	2,79	4,10	2,44	12,38	18,19	3,23	7,10	A++	450

Heating

	Combinations					Single nominal capacity					Total nominal capacity			Total power input			Total current input			COP	SCOP	Energy class	Annual energy cons.
	Indoor units					Indoor units																	
	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
						kW					kW			kW			A			W/W	W/W		kWh/annum
	20	20	–	–	–	2,30	2,30	–	–	–	2,80	4,60	8,00	0,55	1,30	3,30	2,44	5,77	14,64	3,54	3,75	A	2461
	20	25	–	–	–	2,30	3,60	–	–	–	3,00	5,90	10,00	0,55	1,66	3,30	2,44	7,36	14,64	3,55	3,75	A	2461
	20	35	–	–	–	2,30	4,50	–	–	–	3,20	6,80	10,00	0,55	1,90	3,30	2,44	8,43	14,64	3,58	3,75	A	2461
	20	42	–	–	–	2,30	5,40	–	–	–	3,40	7,70	10,00	0,55	2,15	3,30	2,44	9,54	14,64	3,58	3,80	A	2455
	20	50	–	–	–	2,30	6,00	–	–	–	3,80	8,30	11,50	0,55	2,29	3,30	2,44	10,16	14,64	3,62	3,80	A	2455
	20	70	–	–	–	2,30	7,00	–	–	–	4,00	9,30	11,50	0,55	2,55	3,30	2,44	11,31	14,64	3,65	3,85	A	2455
	25	25	–	–	–	3,60	3,60	–	–	–	3,40	7,20	10,50	0,55	2,02	3,30	2,44	8,96	14,64	3,56	3,85	A	2455
	25	35	–	–	–	3,60	4,50	–	–	–	3,80	8,10	10,50	0,55	2,26	3,30	2,44	10,03	14,64	3,58	3,83	A	2455
	25	42	–	–	–	3,60	5,40	–	–	–	4,00	9,00	10,50	0,55	2,50	3,30	2,44	11,09	14,64	3,60	3,87	A	2455
	25	50	–	–	–	3,60	6,00	–	–	–	4,40	9,60	10,50	0,55	2,64	3,30	2,44	11,71	14,64	3,64	3,85	A	2455
1:2	25	70	–	–	–	3,53	6,87	–	–	–	4,40	10,40	11,00	0,55	2,85	3,30	2,44	12,64	14,64	3,65	3,84	A	2455
	35	35	–	–	–	4,50	4,50	–	–	–	4,00	9,00	10,50	0,55	2,50	3,30	2,44	11,09	14,64	3,60	3,86	A	2455
	35	42	–	–	–	4,50	5,40	–	–	–	4,40	9,90	10,50	0,55	2,74	3,30	2,44	12,16	14,64	3,61	3,82	A	2455
	35	50	–	–	–	4,46	5,94	–	–	–	4,40	10,40	11,50	0,55	2,88	3,30	2,44	12,78	14,64	3,61	3,80	A	2455
	35	70	–	–	–	4,07	6,33	–	–	–	4,40	10,40	11,50	0,55	2,88	3,30	2,44	12,78	14,64	3,61	3,84	A	2455
	42	42	–	–	–	5,20	5,20	–	–	–	4,40	10,40	11,50	0,55	2,88	3,30	2,44	12,78	14,64	3,61	3,86	A	2449
	42	50	–	–	–	4,93	5,47	–	–	–	4,40	10,40	11,50	0,55	2,88	3,30	2,44	12,78	14,64	3,61	3,83	A	2455
	42	70	–	–	–	4,53	5,87	–	–	–	4,40	10,40	11,50	0,55	2,88	3,30	2,44	12,78	14,64	3,61	3,86	A	2455
	50	50	–	–	–	5,20	5,20	–	–	–	4,40	10,40	11,50	0,55	2,88	3,30	2,44	12,78	14,64	3,61	3,80	A	2455
	50	70	–	–	–	4,80	5,60	–	–	–	4,40	10,40	11,50	0,55	2,88	3,30	2,44	12,78	14,64	3,61	3,87	A	2449
	70	70	–	–	–	5,20	5,20	–	–	–	4,40	10,40	11,50	0,55	2,88	3,30	2,44	12,78	14,64	3,61	3,87	A	2449

	Combinations					Single nominal capacity					Total nominal capacity			Total power input			Total current input			COP	SCOP	Energy class	Annual energy cons.
	Indoor units					Indoor units																	
	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
						kW					kW			kW			A			W/W	W/W		kWh/annum
	20	20	20	–	–	2,30	2,30	2,30	–	–	3,80	6,90	11,50	0,55	1,93	3,40	2,44	8,56	15,08	3,58	3,80	A	2455
	20	20	25	–	–	2,30	2,30	3,60	–	–	4,00	8,20	11,50	0,55	2,28	3,40	2,44	10,12	15,08	3,60	3,80	A	2455
	20	20	35	–	–	2,30	2,30	4,50	–	–	4,20	9,10	11,50	0,55	2,50	3,40	2,44	11,09	15,08	3,64	3,80	A	2455
	20	20	42	–	–	2,30	2,30	5,40	–	–	4,40	10,00	11,50	0,55	2,73	3,40	2,44	12,11	15,08	3,66	3,80	A	2455
	20	20	50	–	–	2,26	2,26	5,89	–	–	4,40	10,40	11,50	0,55	2,88	3,40	2,44	12,78	15,08	3,61	3,80	A	2455
	20	20	70	–	–	2,06	2,06	6,28	–	–	4,40	10,40	11,50	0,55	2,88	3,40	2,44	12,78	15,08	3,61	3,80	A	2455
	20	25	25	–	–	2,30	3,60	3,60	–	–	4,40	9,50	11,50	0,55	2,63	3,40	2,44	11,67	15,08	3,61	3,80	A	2455
	20	25	35	–	–	2,30	3,60	4,50	–	–	4,40	10,40	11,50	0,55	2,88	3,40	2,44	12,78	15,08	3,61	3,80	A	2455
	20	25	42	–	–	2,12	3,31	4,97	–	–	4,40	10,40	11,50	0,55	2,88	3,40	2,44	12,78	15,08	3,61	3,80	A	2455
	20	25	50	–	–	2,01	3,15	5,24	–	–	4,40	10,40	11,50	0,55	2,88	3,40	2,44	12,78	15,08	3,61	3,82	A	2455
	20	25	70	–	–	1,85	2,90	5,64	–	–	4,40	10,40	11,50	0,55	2,88	3,40	2,44	12,78	15,08	3,61	3,82	A	2455
	20	35	35	–	–	2,12	4,14	4,14	–	–	4,40	10,40	11,50	0,55	2,88	3,40	2,44	12,78	15,08	3,61	3,82	A	2455
	20	35	42	–	–	1,96	3,84	4,60	–	–	4,40	10,40	11,50	0,55	2,88	3,40	2,44	12,78	15,08	3,61	3,82	A	2455
	20	35	50	–	–	1,87	3,66	4,88	–	–	4,40	10,40	11,50	0,55	2,88	3,40	2,44	12,78	15,08	3,61	3,82	A	2455
	20	35	70	–	–	1,73	3,39	5,28	–	–	4,40	10,40	11,50	0,55	2,86	3,40	2,44	12,69	15,08	3,64	3,82	A	2455
	20	42	42	–	–	1,83	4,29	4,29	–	–	4,40	10,40	11,50	0,55	2,86	3,40	2,44	12,69	15,08	3,64	3,82	A	2455
	20	42	50	–	–	1,75	4,10	4,55	–	–	4,40	10,40	11,50	0,55	2,86	3,40	2,44	12,69	15,08	3,64	3,82	A	2455
	20	42	70	–	–	1,63	3,82	4,95	–	–	4,40	10,40	11,50	0,55	2,86	3,40	2,44	12,69	15,08	3,64	3,87	A	2449
	20	50	50	–	–	1,67	4,36	4,36	–	–	4,40	10,40	11,50	0,55	2,86	3,40	2,44	12,69	15,08	3,64	3,87	A	2449
	25	25	25	–	–	3,47	3,47	3,47	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,87	A	2449
1:3	25	25	35	–	–	3,20	3,20	4,00	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,87	A	2449
	25	25	42	–	–	2,97	2,97	4,46	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,87	A	2449
	25	25	50	–	–	2,84	2,84	4,73	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,87	A	2449
	25	25	70	–	–	2,64	2,64	5,13	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,90	A	2443
	25	35	35	–	–	2,97	3,71	3,71	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,85	A	2449
	25	35	42	–	–	2,77	3,47	4,16	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,85	A	2449
	25	35	50	–	–	2,66	3,32	4,43	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,85	A	2449
	25	35	70	–	–	2,48	3,10	4,82	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,85	A	2449
	25	42	42	–	–	2,60	3,90	3,90	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,85	A	2449
	25	42	50	–	–	2,50	3,74	4,16	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,85	A	2449
	25	42	70	–	–	2,34	3,51	4,55	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,85	A	2449
	25	50	50	–	–	2,40	4,00	4,00	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,85	A	2449
	35	35	35	–	–	3,47	3,47	3,47	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,90	A	2443
	35	35	42	–	–	3,25	3,25	3,90	–	–	4,40	10,40	11,50	0,55	2,85	3,40	2,44	12,64	15,08	3,65	3,90	A	2443
	35	35	50	–	–	3,12	3,12	4,16	–	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,90	A	2443
	35	35	70	–	–	2,93	2,93	4,55	–	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,90	A	2443
	35	42	42	–	–	3,06	3,67	3,67	–	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,90	A	2443
	35	42	50	–	–	2,94	3,53	3,92	–	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,90	A	2443
	35	50	50	–	–	2,84	3,78	3,78	–	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,90	A	2443
	42	42	42	–	–	3,47	3,47	3,47	–	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,90	A	2443
	42	42	50	–	–	3,34	3,34	3,71	–	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,90	A	2443

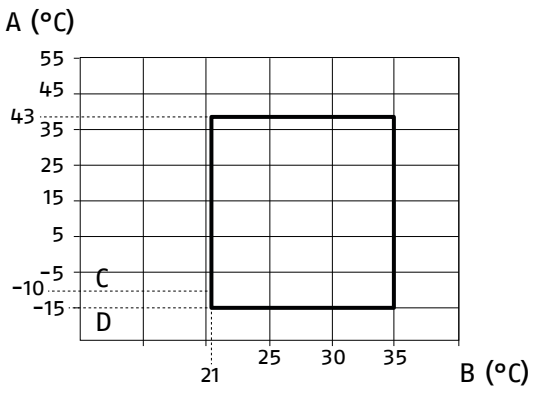
Combinations						Single nominal capacity					Total nominal capacity			Total power input			Total current input			COP	SCOP	Energy class	Annual energy cons.
	Indoor units					Indoor units																	
	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
						kW					kW			kW			A			W/W	W/W		kWh/annum
1:4	20	20	20	20	–	2,30	2,30	2,30	2,30	–	4,20	9,20	11,50	0,55	2,55	3,40	2,44	11,31	15,08	3,61	3,85	A	2449
	20	20	20	25	–	2,28	2,28	2,28	3,57	–	4,20	10,40	11,50	0,55	2,84	3,40	2,44	12,60	15,08	3,66	3,85	A	2449
	20	20	20	35	–	2,10	2,10	2,10	4,11	–	4,40	10,40	11,50	0,55	2,84	3,40	2,44	12,60	15,08	3,66	3,85	A	2449
	20	20	20	42	–	1,94	1,94	1,94	4,57	–	4,40	10,40	11,50	0,55	2,84	3,40	2,44	12,60	15,08	3,66	3,85	A	2449
	20	20	20	50	–	1,85	1,85	1,85	4,84	–	4,40	10,40	11,50	0,55	2,84	3,40	2,44	12,60	15,08	3,66	3,85	A	2449
	20	20	20	70	–	1,72	1,72	1,72	5,24	–	4,40	10,40	11,50	0,55	2,84	3,40	2,44	12,60	15,08	3,66	3,85	A	2449
	20	20	25	25	–	2,03	2,03	3,17	3,17	–	4,40	10,40	11,50	0,55	2,84	3,40	2,44	12,60	15,08	3,66	3,85	A	2449
	20	20	25	35	–	1,88	1,88	2,95	3,69	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,85	A	2449
	20	20	25	42	–	1,76	1,76	2,75	4,13	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,90	A	2443
	20	20	25	50	–	1,68	1,68	2,64	4,39	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,90	A	2443
	20	20	25	70	–	1,57	1,57	2,46	4,79	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,90	A	2443
	20	20	35	35	–	1,76	1,76	3,44	3,44	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,90	A	2443
	20	20	35	42	–	1,65	1,65	3,23	3,87	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,90	A	2443
	20	20	35	50	–	1,58	1,58	3,10	4,13	–	4,40	10,40	11,50	0,55	2,81	3,40	2,44	12,47	15,08	3,70	3,90	A	2443
	20	20	42	42	–	1,55	1,55	3,65	3,65	–	4,40	10,40	11,50	0,55	2,81	3,40	2,44	12,47	15,08	3,70	3,90	A	2443
	20	20	42	50	–	1,50	1,50	3,51	3,90	–	4,40	10,40	11,50	0,55	2,81	3,40	2,44	12,47	15,08	3,70	3,90	A	2443
	20	20	50	50	–	1,44	1,44	3,76	3,76	–	4,40	10,40	11,50	0,55	2,81	3,40	2,44	12,47	15,08	3,70	3,90	A	2443
	20	25	25	25	–	1,83	2,86	2,86	2,86	–	4,40	10,40	11,50	0,55	2,81	3,40	2,44	12,47	15,08	3,70	3,90	A	2443
	20	25	25	35	–	1,71	2,67	2,67	3,34	–	4,40	10,40	11,50	0,55	2,81	3,40	2,44	12,47	15,08	3,70	3,90	A	2443
	20	25	25	42	–	1,61	2,51	2,51	3,77	–	4,40	10,40	11,50	0,55	2,81	3,40	2,44	12,47	15,08	3,70	3,95	A	2443
	20	25	25	50	–	1,54	2,42	2,42	4,03	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,95	A	2443
	20	25	35	35	–	1,61	2,51	3,14	3,14	–	4,40	10,40	11,50	0,55	2,80	3,40	2,44	12,42	15,08	3,71	3,95	A	2443
	20	25	35	42	–	1,51	2,37	2,96	3,55	–	4,40	10,40	11,50	0,55	2,81	3,40	2,44	12,47	15,08	3,70	3,95	A	2443
	20	25	35	50	–	1,46	2,28	2,85	3,80	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	3,95	A	2443
	20	25	42	42	–	1,43	2,24	3,36	3,36	–	4,40	10,40	11,50	0,55	2,81	3,40	2,44	12,47	15,08	3,70	3,95	A	2443
	20	25	42	50	–	1,38	2,16	3,25	3,61	–	4,40	10,40	11,50	0,55	2,82	3,40	2,44	12,51	15,08	3,69	3,95	A	2443
	20	35	35	35	–	1,51	2,96	2,96	2,96	–	4,40	10,40	11,50	0,55	2,80	3,40	2,44	12,42	15,08	3,71	3,95	A	2443
	20	35	35	42	–	1,43	2,80	2,80	3,36	–	4,40	10,40	11,50	0,55	2,80	3,40	2,44	12,42	15,08	3,71	4,00	A+	2438
	20	35	35	50	–	1,38	2,71	2,71	3,61	–	4,40	10,40	11,50	0,55	2,83	3,40	2,44	12,56	15,08	3,67	4,00	A+	2438
	20	35	42	42	–	1,36	2,66	3,19	3,19	–	4,40	10,40	11,50	0,55	2,82	3,40	2,44	12,51	15,08	3,69	4,00	A+	2438
	20	42	42	42	–	1,29	3,04	3,04	3,04	–	4,40	10,40	11,50	0,55	2,81	3,40	2,44	12,47	15,08	3,70	4,00	A+	2438
	25	25	25	25	–	2,60	2,60	2,60	2,60	–	4,40	10,40	11,50	0,55	2,76	3,40	2,44	12,24	15,08	3,77	4,00	A+	2438
	25	25	25	35	–	2,45	2,45	2,45	3,06	–	4,40	10,40	11,50	0,55	2,80	3,40	2,44	12,42	15,08	3,71	4,00	A+	2438
	25	25	25	42	–	2,31	2,31	2,31	3,47	–	4,40	10,40	11,50	0,55	2,80	3,40	2,44	12,42	15,08	3,71	4,00	A+	2438
	25	25	25	50	–	2,23	2,23	2,23	3,71	–	4,40	10,40	11,50	0,55	2,81	3,40	2,44	12,47	15,08	3,70	4,00	A+	2438
	25	25	35	35	–	2,31	2,31	2,89	2,89	–	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	25	25	35	42	–	2,19	2,19	2,74	3,28	–	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	25	25	35	50	–	2,12	2,12	2,64	3,53	–	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	25	25	42	42	–	2,08	2,08	3,12	3,12	–	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	25	35	35	35	–	2,19	2,74	2,74	2,74	–	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	25	35	35	42	–	2,08	2,60	2,60	3,12	–	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	35	35	35	35	–	2,60	2,60	2,60	2,60	–	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438

	Combinations					Single nominal capacity					Total nominal capacity			Total power input			Total current input			COP	SCOP	Energy class	Annual energy cons.
	Indoor units					Indoor units																	
	A	B	C	D	E	Unit A	Unit B	Unit C	Unit D	Unit E	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max				
						kW					kW			kW			A			W/W	W/W		kWh/annum
	20	20	20	20	20	2,08	2,08	2,08	2,08	2,08	4,20	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	20	20	20	25	1,87	1,87	1,87	1,87	2,93	4,20	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	20	20	20	35	1,75	1,75	1,75	1,75	3,42	4,20	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	20	20	20	42	1,64	1,64	1,64	1,64	3,85	4,20	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	20	20	20	50	1,57	1,57	1,57	1,57	4,11	4,20	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	20	20	25	25	1,70	1,70	1,70	2,66	2,66	4,20	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	20	20	25	35	1,59	1,59	1,59	2,50	3,12	4,20	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	20	20	25	42	1,50	1,50	1,50	2,35	3,53	4,20	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	20	20	25	50	1,45	1,45	1,45	2,27	3,78	4,20	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	20	20	35	35	1,50	1,50	1,50	2,94	2,94	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
1:5	20	20	20	35	42	1,42	1,42	1,42	2,79	3,34	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	20	25	25	25	1,55	1,55	2,43	2,43	2,43	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	20	25	25	35	1,47	1,47	2,30	2,30	2,87	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	20	25	25	42	1,39	1,39	2,18	2,18	3,27	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	20	25	25	50	1,34	1,34	2,10	2,10	3,51	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	20	25	35	35	1,39	1,39	2,18	2,72	2,72	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	25	25	25	25	1,43	2,24	2,24	2,24	2,24	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	25	25	25	35	1,36	2,13	2,13	2,13	2,66	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	20	25	25	25	42	1,29	2,02	2,02	2,02	3,04	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,00	A+	2438
	25	25	25	25	25	2,08	2,08	2,08	2,08	2,08	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,10	A+	2432
	25	25	25	25	35	1,98	1,98	1,98	1,98	2,48	4,40	10,40	11,50	0,55	2,79	3,40	2,44	12,38	15,08	3,73	4,10	A+	2432

Performance are in accordance with UNI EN 14511 standards.

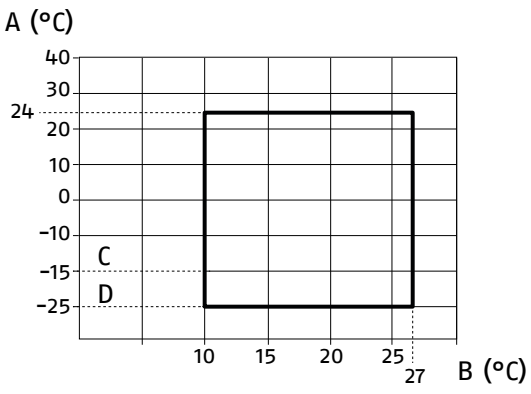
1.9 Operating limits

COOLING



A Outdoor air temperature
B Internal air temperature
C Model 250 PI
D Model 355 PI – 370 PI – 475 PI – 485 PI – 590 PI

HEATING



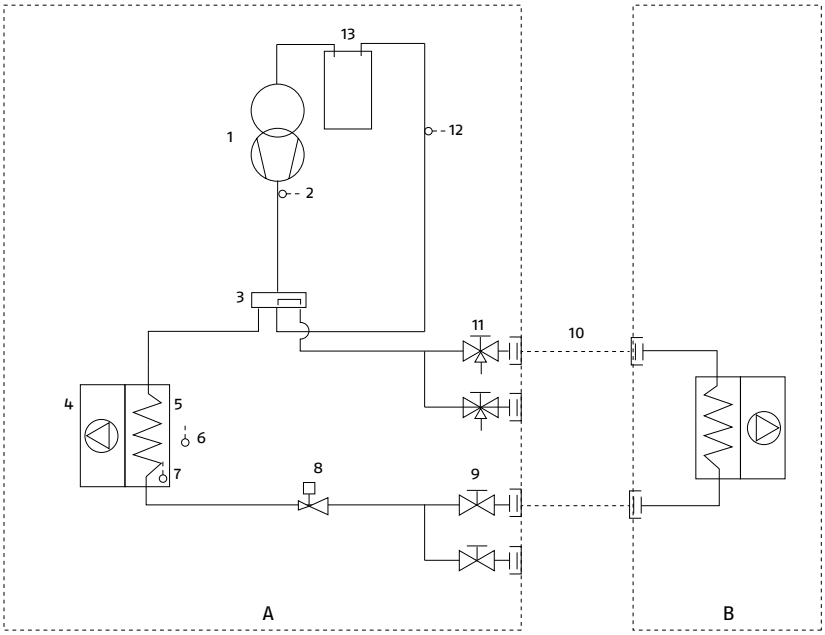
A Outdoor air temperature
B Internal air temperature
C Model 250 PI
D Model 355 PI – 370 PI – 475 PI – 485 PI – 590 PI

The graphs are based on the following condition:
- pipe length: 5 m
- difference in height: 0 m
- air flow: maximum

1.10 Cooling circuit

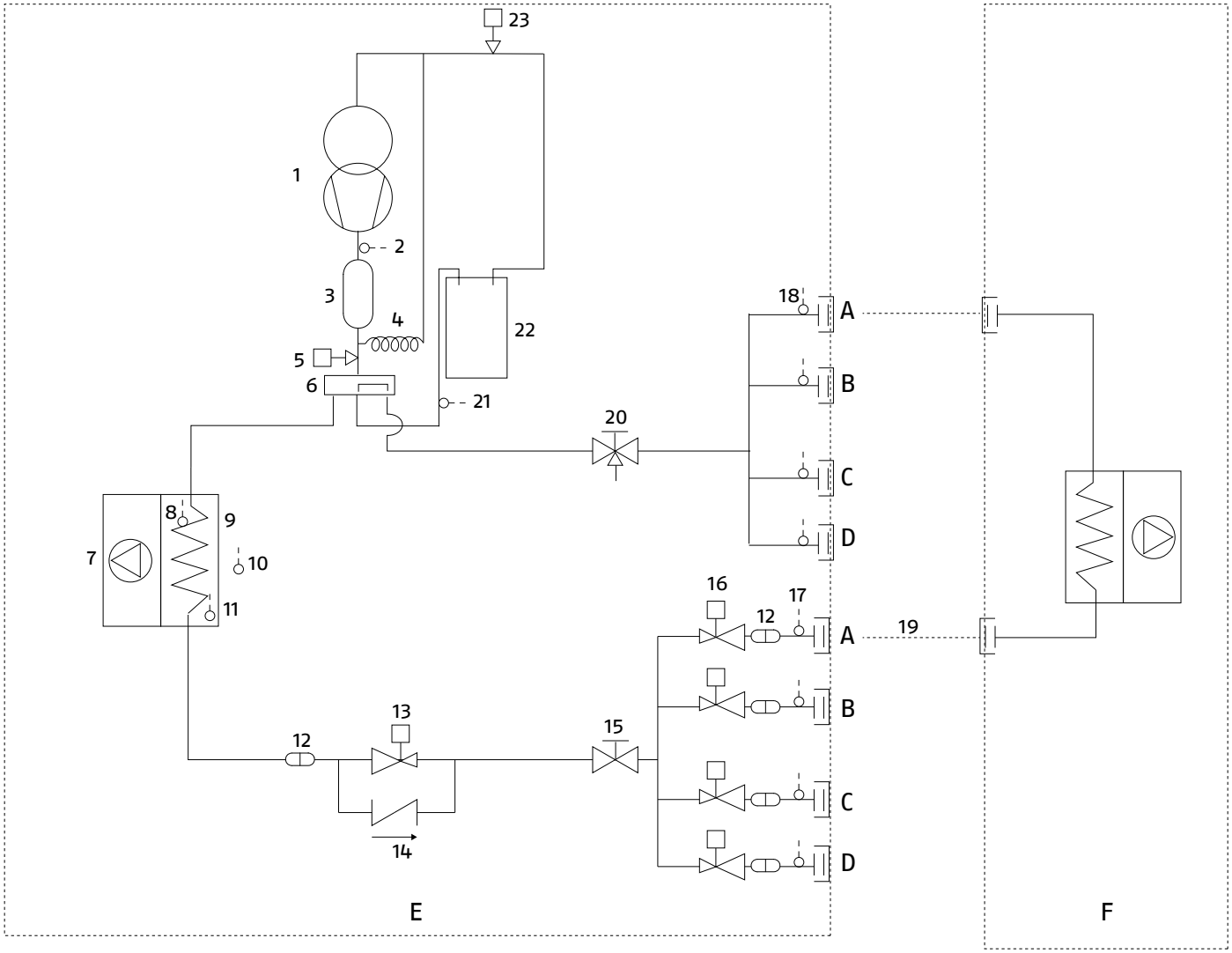
The cooling circuit is of the heat pump type with a refrigerant gas reversal cycle. The source fluid utilised is the outdoor air, while the utility-side fluid is the air inside the rooms.
During the wintertime, the heat pump extracts the thermal energy from the outdoor air and delivers it to the room air, thereby heating it. During the summertime the cycle is reversed, and the thermal energy is extracted from the room air, which is cooled, and is delivered to the outdoor air.

MODEL 250 PI



A Outdoor unit
B Indoor unit
1 Compressor
2 Discharge temperature sensor
3 Cycle reversal valve
4 Electric fan
5 Heat exchanger
6 External air probe
7 Defrost temperature sensor
8 Electronic expansion valve
9 Two-way shut-off valve
10 Connection pipes
11 Three-way shut-off valve
12 Intake sensor
13 Intake separator

MODEL 355 PI – 370 PI – 475 PI – 485 PI – 590 PI



A Circuit A
B Circuit B
C Circuit C
D Circuit D (model 475 – 485 only)
E Outdoor unit
F Indoor unit
1 Compressor
2 Discharge temperature sensor
3 Oil separator
4 Capillary tube
5 High pressure switch
6 Cycle reversal valve
7 Electric fan
8 Heat exchanger probe
9 Heat exchanger
10 External air probe
11 Defrost temperature sensor
12 Filter
13 Primary electronic expansion valve
14 Check valve
15 Two-way shut-off valve
16 Secondary electronic expansion valve
17 Liquid probe
18 Gas probe
19 Connection pipes
20 Three-way shut-off valve
21 Intake sensor
22 Intake separator
23 Low pressure switch

2 INSTALLATION

⚠ Ensure that the installation and operation sites are properly ventilated in order to disperse any gas leaks that could cause flames during activities with intense heat generation and high temperature.

⚠ Avoid proximity to sources of ignition in continuous operation (open flames, gas household appliances, electric stoves, lit cigarettes, etc).

⚠ Use equipment suitable for the system refrigerant.

⚠ Use an electronic leak finder properly calibrated for the system refrigerant.

⛔ It is forbidden to use leak finders with halogen lamps.

2.1 Receiving the product

RIELLO AARIA MULTI R32 is supplied in a single pack, protected by a cardboard box and by polystyrene elements.
The following material is placed inside the packaging, below the unit
Document envelope:

- Instruction's book for the installer and for the Technical Service in Italian
- Instruction's book for the installer and for the Technical Service in English
- installer instruction booklet in French
- installer instruction booklet in Dutch
- Warranty/Spare parts labels.
- energy label
- etichetta gas refrigerante

It is also supplied as kit:

All model

- 4 x vibration dampers

- **Model 250 PI**
- Condensate outlet hose.
- 2 screws
- hexagonal key

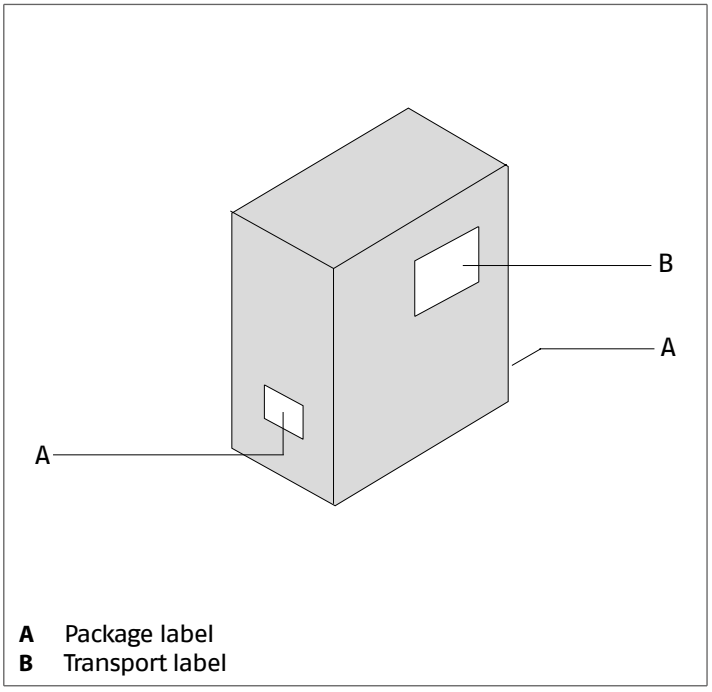
- **Model 355 PI - 370 PI - 475 PI - 485 PI - 590 PI**
- 2 condensate discharge connector
- 2 screws
- refrigerant line adapter connector

⚠ When you get the product, check immediately that the contents are all present and undamaged. Contact the dealer **RIELLO** if you notice any problems.

⚠ The Instruction book comes with the equipment and it should be taken, read and kept carefully.

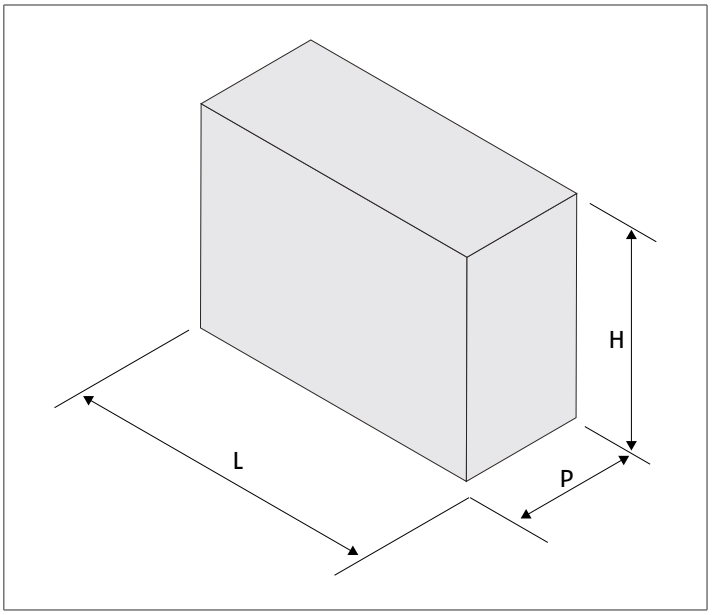
⚠ The document envelope must be kept in a safe place. Any duplicate must be requested from Riello S.p.A. which reserves to charge the cost.

2.2 Labels positioning

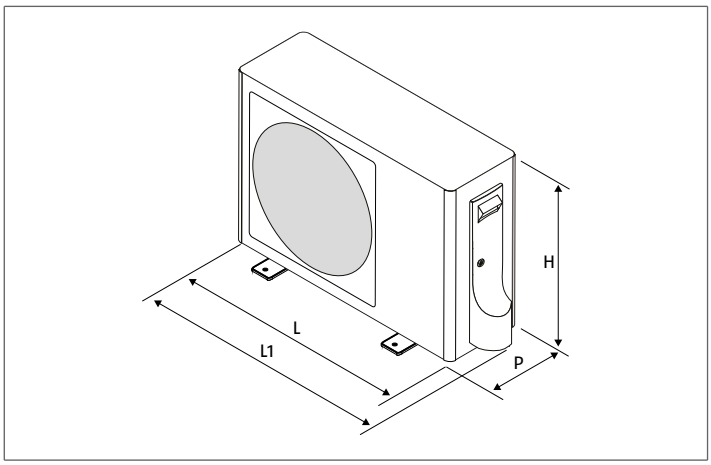


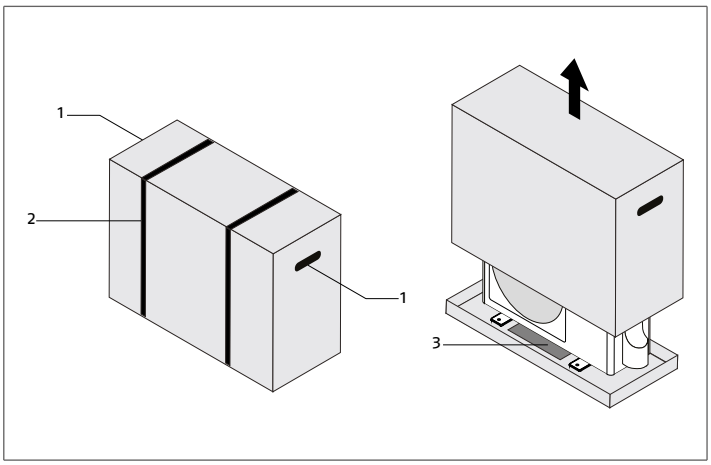
A Package label
B Transport label

2.3 Dimensions and weight



Riello model		250 PI	355 PI	370 PI	475 PI	485 PI	590 PI
Packaging dimensions							
H	mm	607	875	875	875	875	930
L	mm	902	1010	1010	1010	1010	1045
P	mm	375	455	455	455	455	488
Weight	kg	39,0	61,0	65,0	72,0	72,0	81,0





Riello model		250 PI	355 PI	370 PI	475 PI	485 PI	590 PI
Product dimensions							
H	mm	555	700	700	700	700	760
L	mm	800	890	890	890	890	920
L1	mm	868	915	915	915	915	945
P	mm	280	340	340	340	340	372
Weight	kg	36,0	50,0	54,0	61,0	61,0	66,0

2.4 Storage

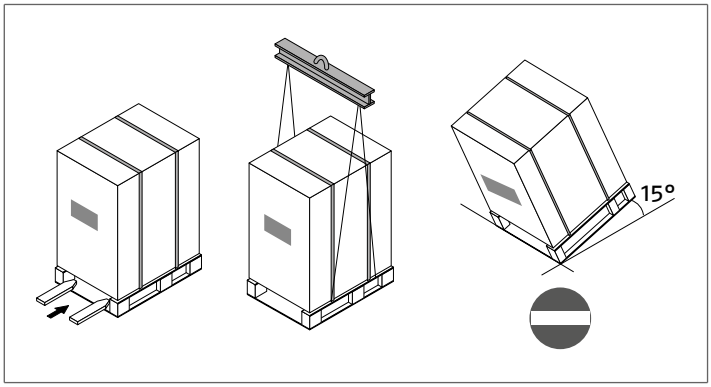
If the product is stored in a room before installation check:
- there aren't continously operating ignition sources (open flames, gas appliances, electric heaters,..) within a radius of 2.5 m.
- there is adequate ventilation

⚠ The product must be stored of according to the regulations in force.

2.5 Handling and removal of the packing

⚠ Before unpacking, personal protective clothing should be worn and used transport means and tools suitable for the size and weight of the unit.

⚠ Check refrigerant leak inside the packaging with a leak detector suitable for the refrigerant used in the system.If a gas leak is detected, probably the refrigerant circuit is damaged and the product can't be installed; finally call Technical Service **RIELLO**.



Product handling can also be done manually by grasping the handles provided on the packaging.
Follow the below instructions for packing removal and product handling:
- transport the equipment in the installation place
- cut strapping bands
- lift and remove the cardboard pack
- remove the unit with suitable handling equipment or with handles if the weights of the appliance allows it.
- remove the document envelope

⚠ In manual operation it is compulsory to respect always the maximum weight per person provided for by the national laws and standards.

⚠ Handle with care

⚠ The equipment must always be handled vertically

⚠ Do not tilt the equipment over 15°

⚠ The unit's weight is concentrated on the compressors side (connection covering side).

⛔ The packing material must not be disposed of in the surrounding environment and must be kept out of children reach, as it can be dangerous. It must be disposed of according to the regulations in force.

2.6 Place of installation

The location of **RIELLO AARIA MULTI R32** devices must be determined by the system's designer or by another competent person, and must take into account the technical requirements, as well as any current local regulations that require specific permits to be obtained. (e.g.: zoning, architectural, environmental protection, etc.).
It is therefore recommended to obtain all the necessary permits before installing the device.
RIELLO AARIA MULTI R32 is designed for outdoor installation.

Avoid:
- positioning the unit in air shafts and/or basement window wells
- any obstacles or barriers that will cause the expelled air to recirculate
- locations with aggressive or explosive atmospheres or with inflammable fluids
- confined locations in which the device's sound levels might be compounded by reverberations or resonances
- proximity to bedrooms and rooms for resting

- positioning in corners where dust, leaves, or any other materials typically accumulate, which could compromise the device efficiency by obstructing the airflow
- situations in which the air expelled from the device might enter the habitation through doors or windows, thus creating an inconvenience for the people inside
- situations in which the air expelled from the device will encounter resistance from opposing winds
- direct exposure to sunlight and proximity to heat sources

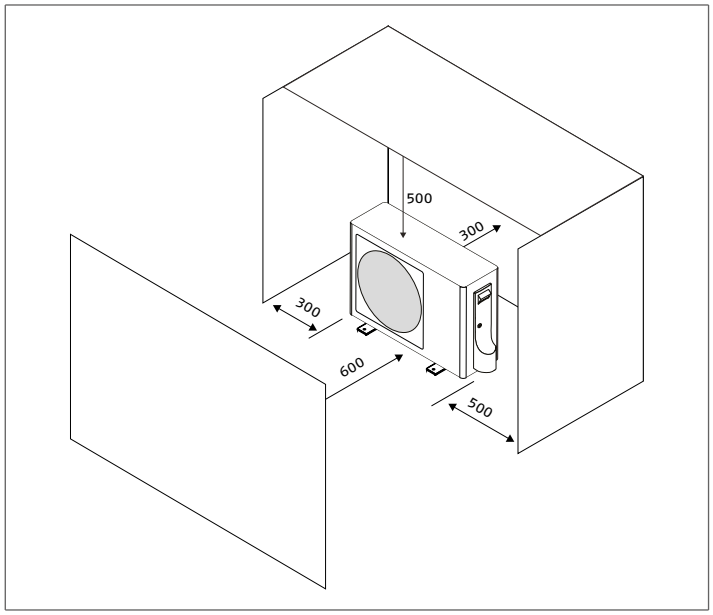
⚠ Avoid placing the unit less than 1 metre away from radio and video systems.

⚠ If the unit is installed in a windy location, fit an anti-wind grille to protect the fan and check the correct functioning of the unit.

⚠ Decide where to place the unit considering the length of cooling lines and the maximum difference of height allowed between the devices.

2.7 Recommended distances

The distances for the device installation and maintenance are shown in the figure. The indicated spaces are necessary in order to prevent the airflow from being blocked, as well as to allow normal cleaning and maintenance operations to be carried out.

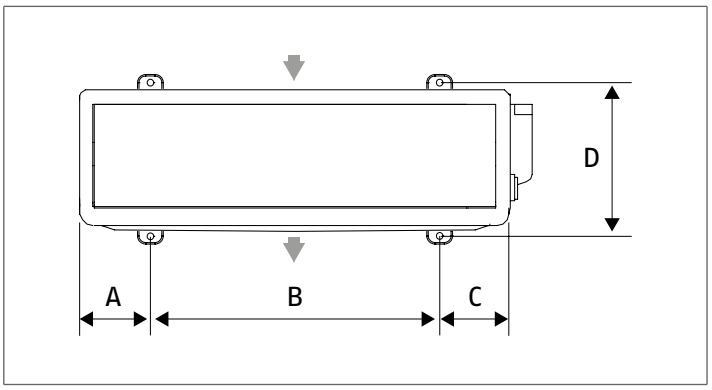


2.8 Positioning

RIELLO AARIA MULTI R32 devices must:

- be positioned on a level surface that is capable of supporting their weight
- be positioned on a sufficiently rigid surface that will not transmit any vibrations to the underlying or adjacent rooms

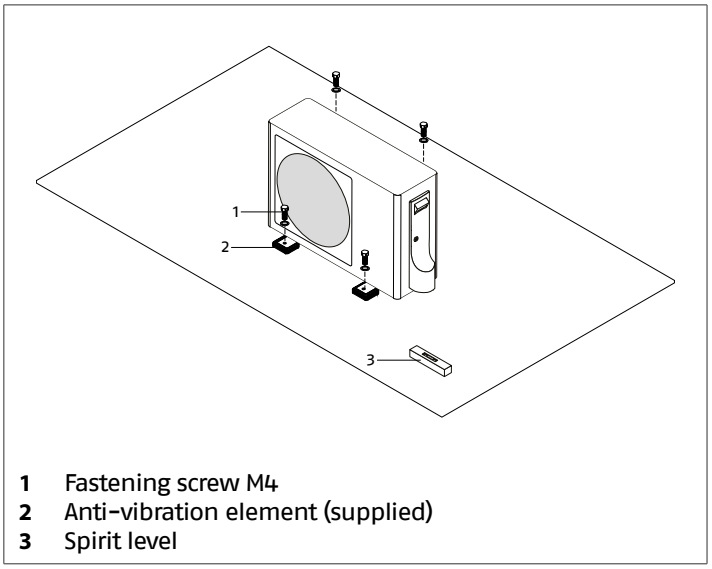
⚠ Use the anti-vibration supports supplied with the device.



Riello model		250 PI	355 PI	370 PI	475 PI	485 PI	590 PI
Foot print dimensions							
A	mm	180	130	130	130	130	130
B	mm	440	630	630	630	630	660
C	mm	180	130	130	130	130	130
D	mm	313	368	368	368	368	402

They can be placed on the floor or suspended on supporting brackets.

Positioning on floor



1 Fastening screw M4
2 Anti-vibration element (supplied)
3 Spirit level

- screw the unit to the ground
- tighten using a torque wrench
- apply a tightening torque of 3.5 Nm

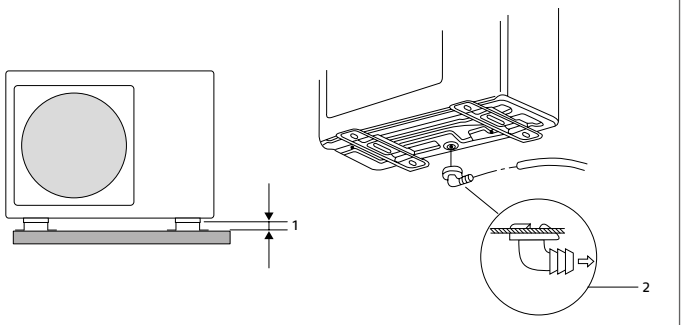
Provide for lifting of the unit from the floor:

- 20 mm without conveying of the condensate outlet
- 90 - 100 mm to allow for the condensate discharge

⚠ If the device is installed in an area that is subject to heavy snowfalls, place the unit in a raised position so as to prevent the air flow from being blocked or install a roofing to protect it.

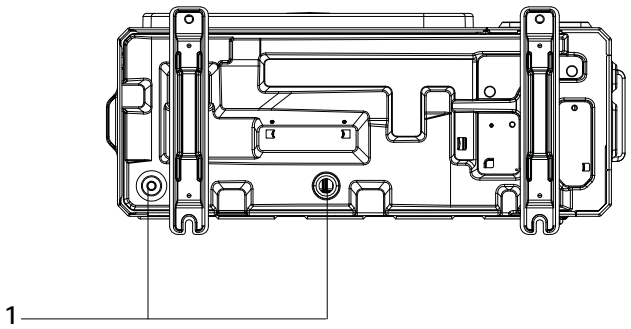
⚠ Adequate anti-freeze systems should be used for installations in extremely cold areas, where there is a possibility of freezing.

⚠ While operating in heating mode, the unit generates condensate, which will deposit on the support surface if there is not discharge. This could freeze if the outdoor temperatures are below zero, thus creating a hazard. In this case, appropriate barriers should be installed in order to prevent people from approaching the unit.



1 Lifting from the top
2 Condensate discharge connector

MODEL 355 PI – 370 PI – 475 PI – 485 PI – 590 PI



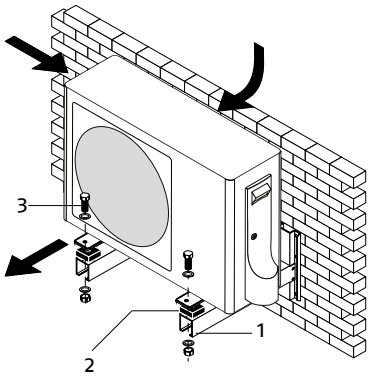
1 Condensate discharge connector

Riello model		250 PI	355 PI	370 PI	475 PI	485 PI	590 PI
Refrigeration characteristics							
Condensate discharge attachment Ø	mm	16	2 x 16				

Hanging position

⚠ Properly sized supporting brackets must be used if the device is installed in suspension.

⚠ Ensure that the wall section does not include bearing elements, pipes or electric lines.



1 Supporting brackets
2 Anti-vibration element (supplied)
3 Fastening screw M4

2.9 Installation on old systems or systems in need of upgrading

When **RIELLO AARIA MULTI R32** is installed on old systems or systems in need of upgrading, it is recommended to ensure that:
– the electrical system is compliant with the applicable regulations and has been installed by qualified professionals

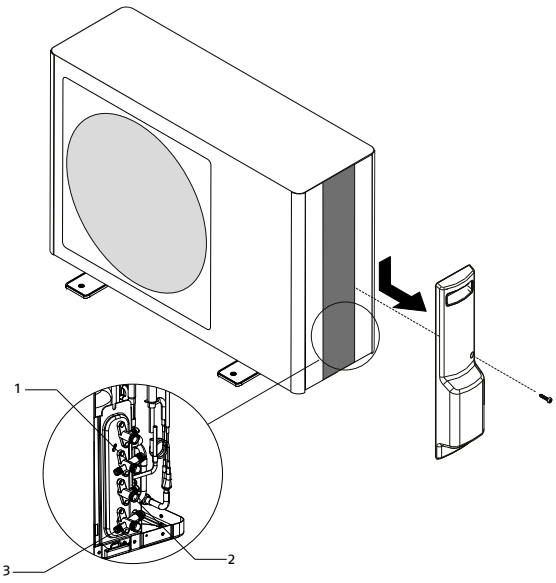
⚠ In the event of a replacement, the system must be inspected by the designer or by another competent person, and must be compliant with the technical requirements, as well as the current legislations and regulations.

⚠ The manufacturer shall bear no responsibility for any damages caused by incorrect system installation.

2.10 Refrigerating connection

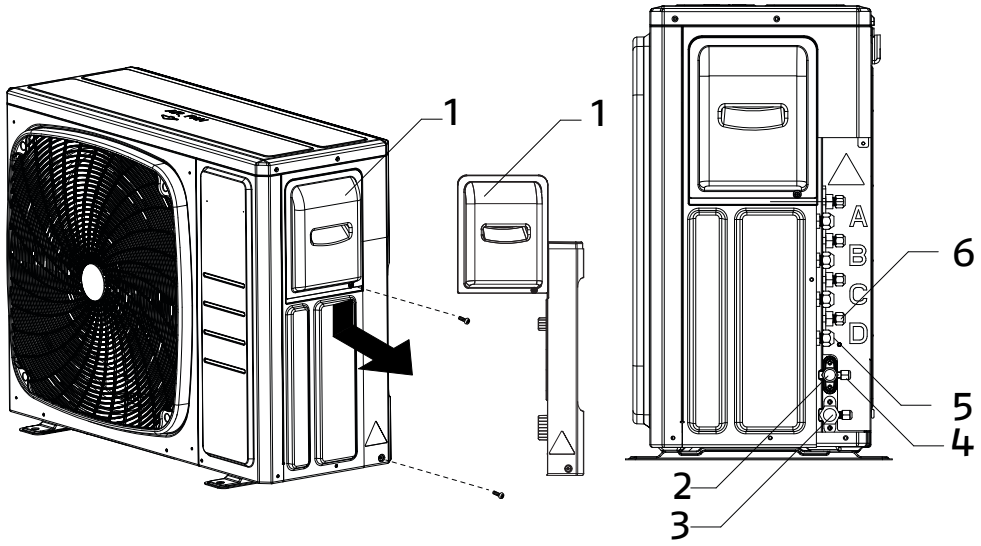
The dimensions and positions of **RIELLO AARIA MULTI R32** cooling connections are shown hereunder.

MODEL 250 PI



1 Gas line connection
2 Liquid line connection
3 Service connection

MODEL 355 PI – 370 PI – 475 PI – 485 PI – 590 PI

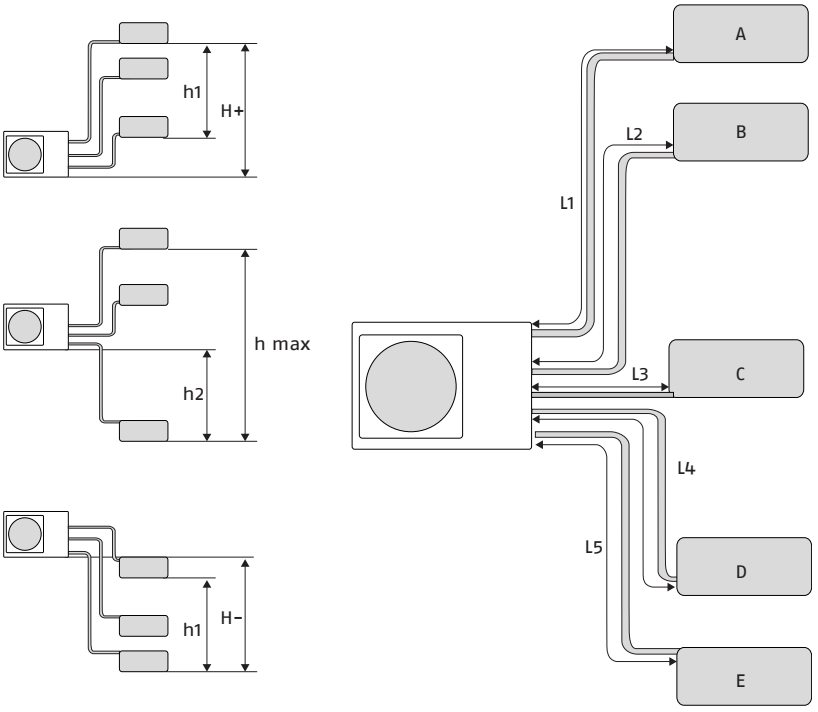


1 Terminal board panel and pipes cover panel
2 Liquid valve
3 Gas valve
4 Service connection
5 Gas line connection
6 Liquid line connection

Riello model		250 PI	355 PI	370 PI	475 PI	485 PI	590 PI
Refrigerant connections							
Liquid line connection	Inches	2 x 1/4	3 x 1/4		4 x 1/4		5 x 1/4
Gas line connection	Inches	2 x 3/8	3 x 3/8		3 x 3/8 + 1 x 1/2		3 x 3/8 + 2 x 1/2
Liquid line connection	mm	2 x 6,35	3 x 6,35		4 x 6,35		5 x 6,35
Gas line connection	mm	2 x 9,52	3 x 9,52		3 x 9,52 + 1 x 12,7		3 x 9,52 + 2 x 12,7

To access the cooling connections:
- unscrew the fastening screw
- push down the connection covering panel
- remove the connection covering panel

The cooling pipes must respect the lengths and differences in height as indicated in the following table.



Riello model		250 PI	355 PI	370 PI	475 PI	485 PI	590 PI
h1	m	7,5					
h2	m	7,5					
h max	m	15,0					
H-	m	15,0					
H+	m	15,0					
L1, L2, L3, L4, L5	m	20,0	25,0				
L1+L2+L3+L4+L5	m	30,0	50,0	60,0	70,0		80,0
Maximum length with standard charge	m	20	30		40		
Minimum length of the single refrigeration line	m	3					
Additional charge	g/m	20					

⚠ The R32 refrigerant gas is slightly inflammable and odourless. Carefully read the safety data sheet available from the dealer and see table "Minimum floor area" *p. 9* inside the technical data paragraph and the installation manual of the indoor unit installed.

Use pipes with the thickness indicated in the following table:

Pipe Ø		Thickness
mm	inches	mm
6,35	1/4	0,8
9,52	3/8	0,8
12,70	1/2	0,8
15,88	5/8	1,0

Maximum operating pressure 4.3 Mpa.

⚠ In case of a drop in excess of 5 m, a siphon must be installed every 5-7 metres.

⚠ The given measures are the maximum permitted values.

⚠ Cooling connections featuring shut-off valves are preconfigured for flare connections.

⚠ Cooling lines must be as straight as possible and any necessary bends must have a radius grater than 40 mm.

⚠ Use clean hoses. Make sure the inside is free of dust, residues, water.

⚠ Avoid the entry of uncondensable gases (air) in the circuit, otherwise, with the unit in operation, high pressures with the risk of damages might ensue.

⚠ Use copper pipes for cooling systems.

⚠ Use connecting pipes and tools appropriate for the system's refrigerant.

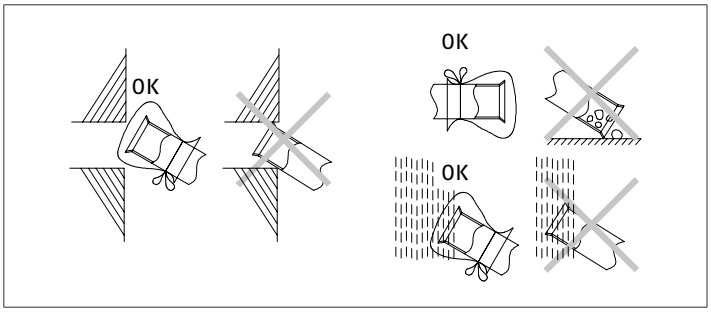
⛔ It is forbidden to use second-hand cooling lines since their flare connection seal is not guaranteed.

⛔ It is forbidden to use pre-charged cooling lines.

⛔ It is forbidden to carry out welding operations with refrigerant inside the cooling circuit. If necessary, the refrigerant must be recovered and the circuit must be cleaned with nitrogen without oxygen.

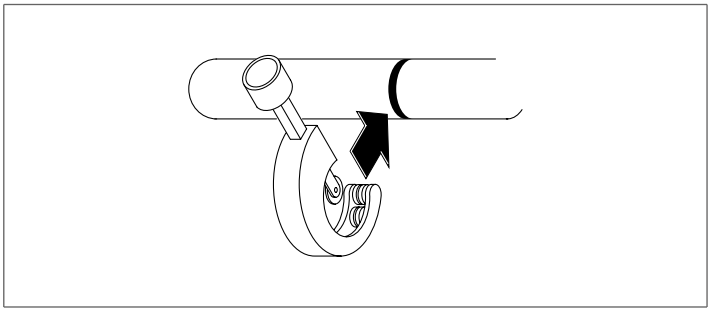
Connections

– position the connecting pipes

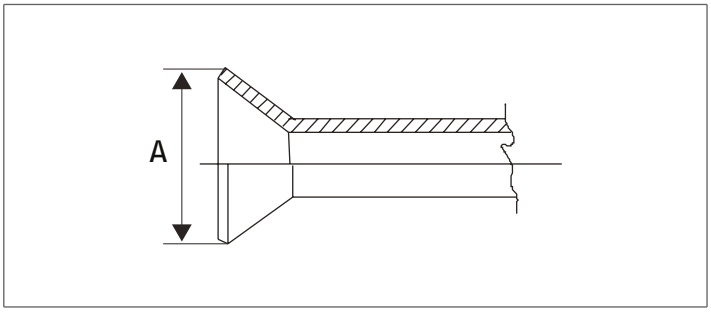


⚠ Plug the pipe ends in order to prevent water or debris from flowing in.

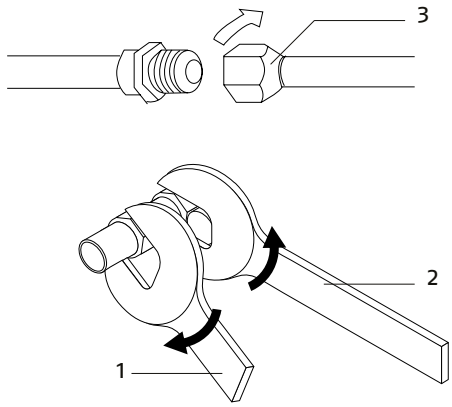
⚠ Before threading the lines through the hole in the wall, close the lines ends.



– cut the pipe end square using a pipe cutter
– remove burrs keeping the cut edge facing down
– remove the flare nut on the unit connection
– insert it into the connection pipe
– flare the tube

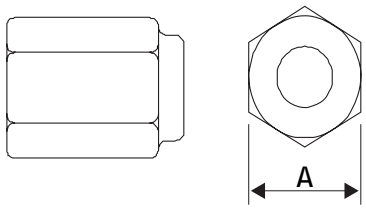


Pipe Ø		A
mm	inches	mm
6,35	1/4	9,1
9,52	3/8	13,2
12,70	1/2	16,6
15,88	5/8	19,7



1 Key
2 Torque wrench
3 Flare nut

Pipe Ø		Tightening torque
mm	inches	Nm
6,35	1/4	18
9,52	3/8	42
12,70	1/2	55
15,88	5/8	60



Pipe Ø		A
mm	inches	mm
6,35	1/4	17
9,52	3/8	22
12,70	1/2	26
15,88	5/8	29

- bring line ends with flare connection close to their coupling on the unit
- manually rotate the flare nuts by 3 - 4 turns
- tighten the connections using a spanner and a counter spanner

⚠ Use a torque wrench to tighten so as to prevent damage to flare nuts and gas leaks.

⚠ During the connection, keep the leak finder on and close to the unit so that it signals any refrigerant leak.

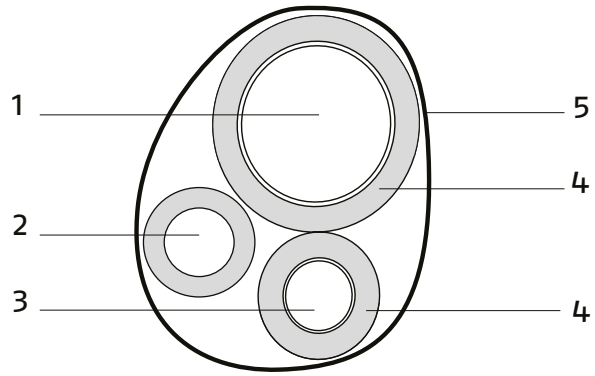
⚠ Avoid using the refrigerant oil on the external part of the flaring.

⚠ Models 475 - 485: if necessary use the adapter coupling 1/2" at 3/8" supplied as a kit.

After connecting the cooling pipes:
- create a vacuum inside the pipes
- check for refrigerant leaks
- apply thermal insulating material on the joints

Pipe insulation

Connection pipes must be thermally insulated to prevent dispersions of heat or formation of condensate.



1 Gas pipe
2 Condensation discharge
3 Liquid pipe
4 Heat insulation
5 Adhesive tape

- insulate the liquid and gas pipes separately
- use insulating material that is thicker than 15 mm
- ensure that the insulating material adheres to the pipe without gaps
- fix using adhesive tape

⚠ Do not tighten the adhesive tape too much, so as to avoid damaging the insulation.

⚠ Avoid partial insulation of the pipes.

⚠ In case of use with outdoor temperature above 30 °C and relative humidity above 80%, increase wall thickness up to 20 mm.

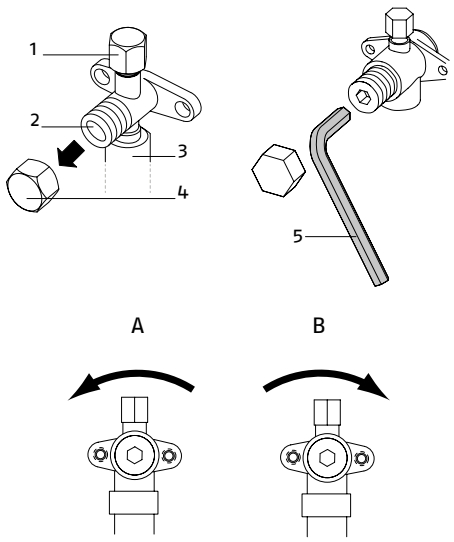
For gas pipes:
- ensure that the material used resists to temperatures up to 120°C

For liquid pipes:
- ensure that the material used resists to temperatures up to 70°C

Stop valves

Cooling connections feature shut-off valves.

During operations on the cooling circuit, start-up and service, it may be required to open and close the valves.



A Opening
B Closing
1 Service connection blanking plug
2 On-off valve shaft
3 Refrigerating pipe attachment
4 On-off valve cover plug
5 Hex wrench

If required:
- remove the valve covering plug
- operate on the valve shaft with an hex wrench
- open or close according to what is needed
- immediately stop as soon as the valve shaft has reached the stop point
- use a torque wrench calibrated on the valve diameter

Pipe Ø		Hex wrench	Valve tightening torque	Plug tightening torque
mm	inches	mm	Nm	Nm
6,35	1/4	5	6	25
9,52	3/8	5	6	25
12,70	1/2	5	8	30
15,88	5/8	5	10	35

⚠ Do not force beyond the stop point to prevent damaging the shaft and causing leakage as a consequence.

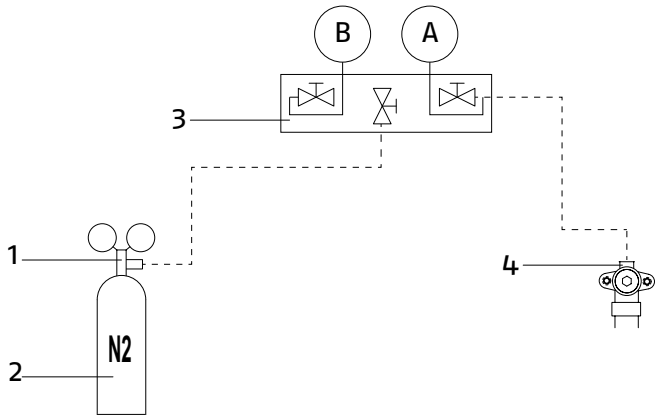
At the end of the operations:
- refit the valve covering plug

⚠ Carefully check for absence of leakages from the closing point of the plug.

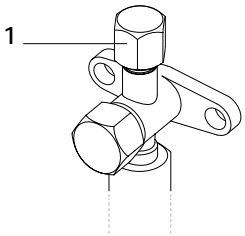
Circuit tightness check

The appliance is tested at the factory and the indoor refrigerating circuit tightness does not usually need to be checked.
The refrigerating circuit built on site needs to be checked instead.

To check tightness:
- keep the outdoor unit shut-off valves closed



A High pressure
B Low pressure
1 Pressure regulator
2 Nitrogen cylinder
3 Pressure gauge unit
4 3-way valve service connection



1 3-way valve service connection

- charge the circuit with nitrogen through the service connection on the 3-way shut-off valve

⛔ Do not use oxygen or acetylene or other flammable or poisonous gases in the refrigerating circuit, as they can cause explosions.
- reach a pressure equal to 0.3 Mpa
- wait 3 minutes.
- check that the pressure has not dropped
- reach a pressure equal to 1.5 Mpa
- wait 3 minutes.
- check that the pressure has not dropped
- reach a pressure equal to 3 Mpa
- adjust the reached pressure and room temperature
- leave the circuit pressurised for 1 day
- check that the pressure has not dropped

⚠ If the temperature has changed with respect to the noted value consider that the pressure varied by 0.01 Mpa for 1 °C.

⚠ If pressure has dropped, detect the leak, fix it and repeat the test.

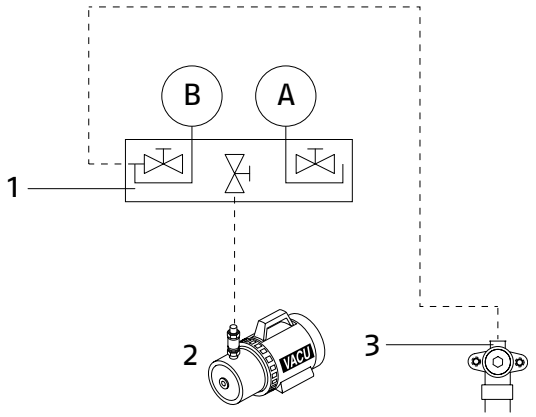
⚠ To detect the leak, use a solution of water and soap and check all the joints and welds, if any.

Having verified the absence of leakages:
- create a pneumatic vacuum inside the circuit

Pneumatic vacuum

To create vacuum in the circuit:

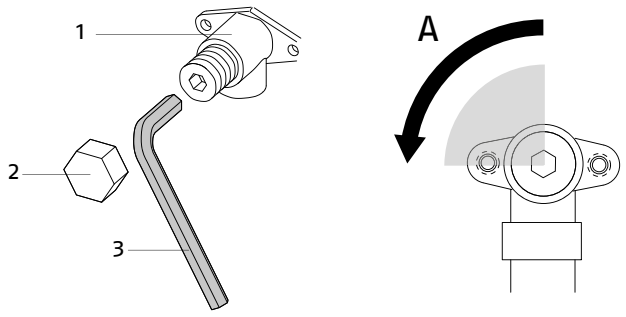
– keep the outdoor unit shut-off valves closed



A High pressure
B Low pressure
1 Pressure gauge unit
2 Vacuum pump
3 3-way valve service connection

– connect the vacuum pump to the pressure gauge unit
– connect the pressure gauge unit to the service connection on the 3-way shut-off valve
– completely close the pressure reducing valve of the pressure gauge
– fully open the low pressure valve of the pressure gauge unit
– let the vacuum pump work for at least 15 minutes
– reach a pressure that is close to -0.1 Mpa
– close the low pressure valve of the pressure gauge unit
– switch off the vacuum pump
– wait 5 minutes
– check that the pressure has not risen again

If the pressure has risen again:



1 2-way shut-off valve
2 On-off valve cover plug
3 Hex wrench
A Opening by 1/4 of a turn

– open the 2-way shut-off valve by a quarter of a turn
– close it after 6 seconds so as to allow a small quantity of refrigerant into the circuit
– detect the leak using a solution of water and soap
– fix the leak
– recreate the pneumatic vacuum

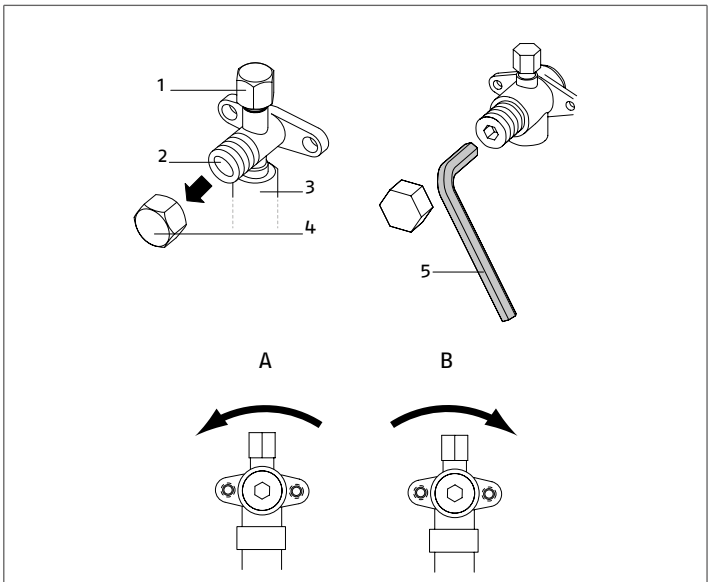
⚠ Take the necessary safety precautions for the system refrigerant.

⚠ It is forbidden to carry out welding operations with refrigerant inside the cooling circuit. If necessary, the refrigerant must be recovered and the circuit must be cleaned with nitrogen without oxygen.

⛔ It is forbidden to use detergents containing chlorine because it could react with the refrigerant and corrode the copper pipes.

If the pressure has not risen again:

– remove the tube of the pressure gauge unit from the service connection on the 3-way shut-off valve



A Opening
B Closing
1 Service connection blanking plug
2 On-off valve shaft
3 Refrigerating pipe attachment
4 On-off valve cover plug
5 Hex wrench

– fully open the unit shut-off valves
– refit the valve covering plug

⚠ Carefully check for absence of leakages from the closing point of the plug.

⚠ Do not force beyond the stop point to prevent damaging the shaft and causing leakage as a consequence.

⚠ Once the check has been completed, remove any residues of the water-soap solution.

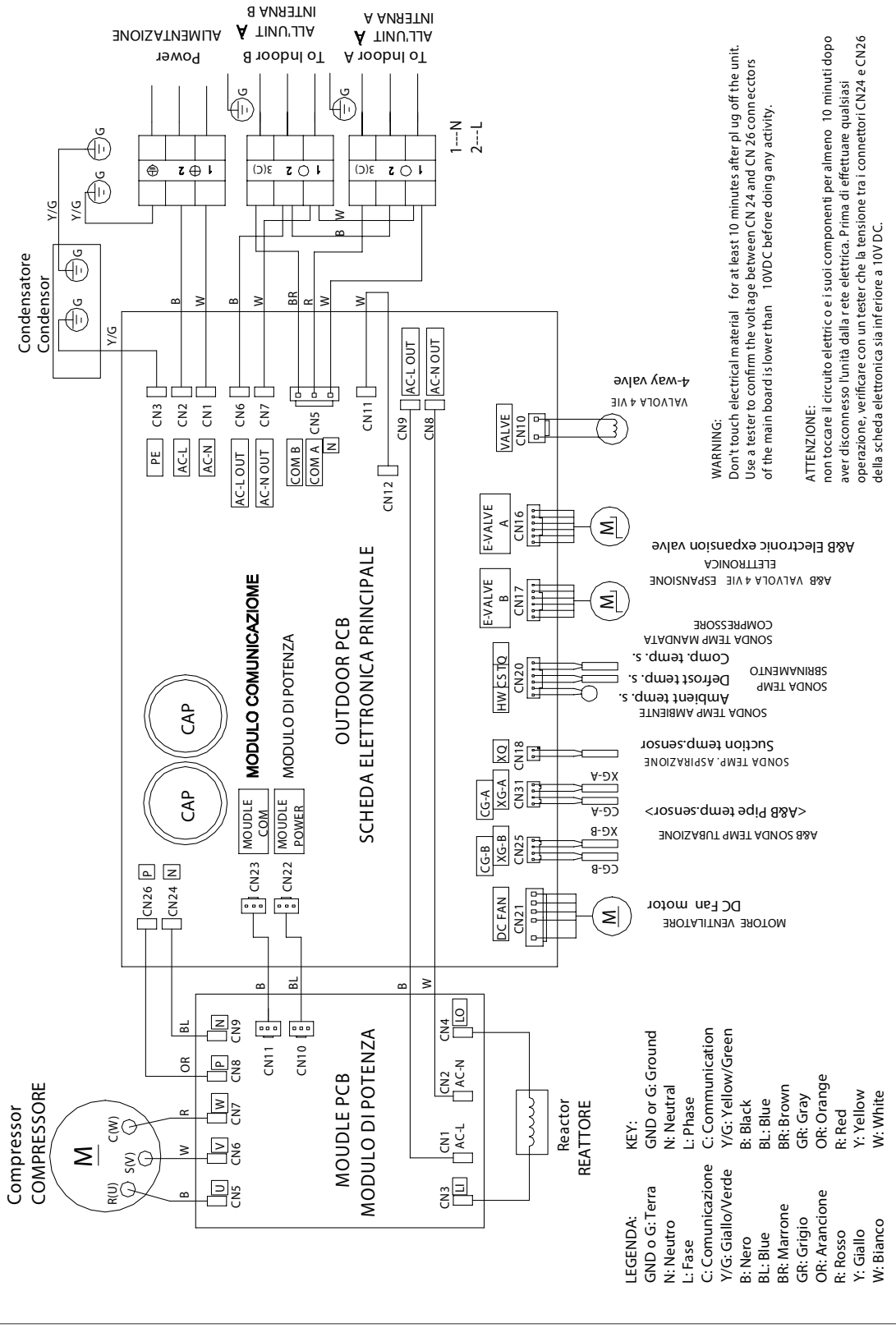
⚠ Do not use the same vacuum pump with different refrigerants.

⚠ The vacuum pump requires regular maintenance and the oil's clarity must also be checked.

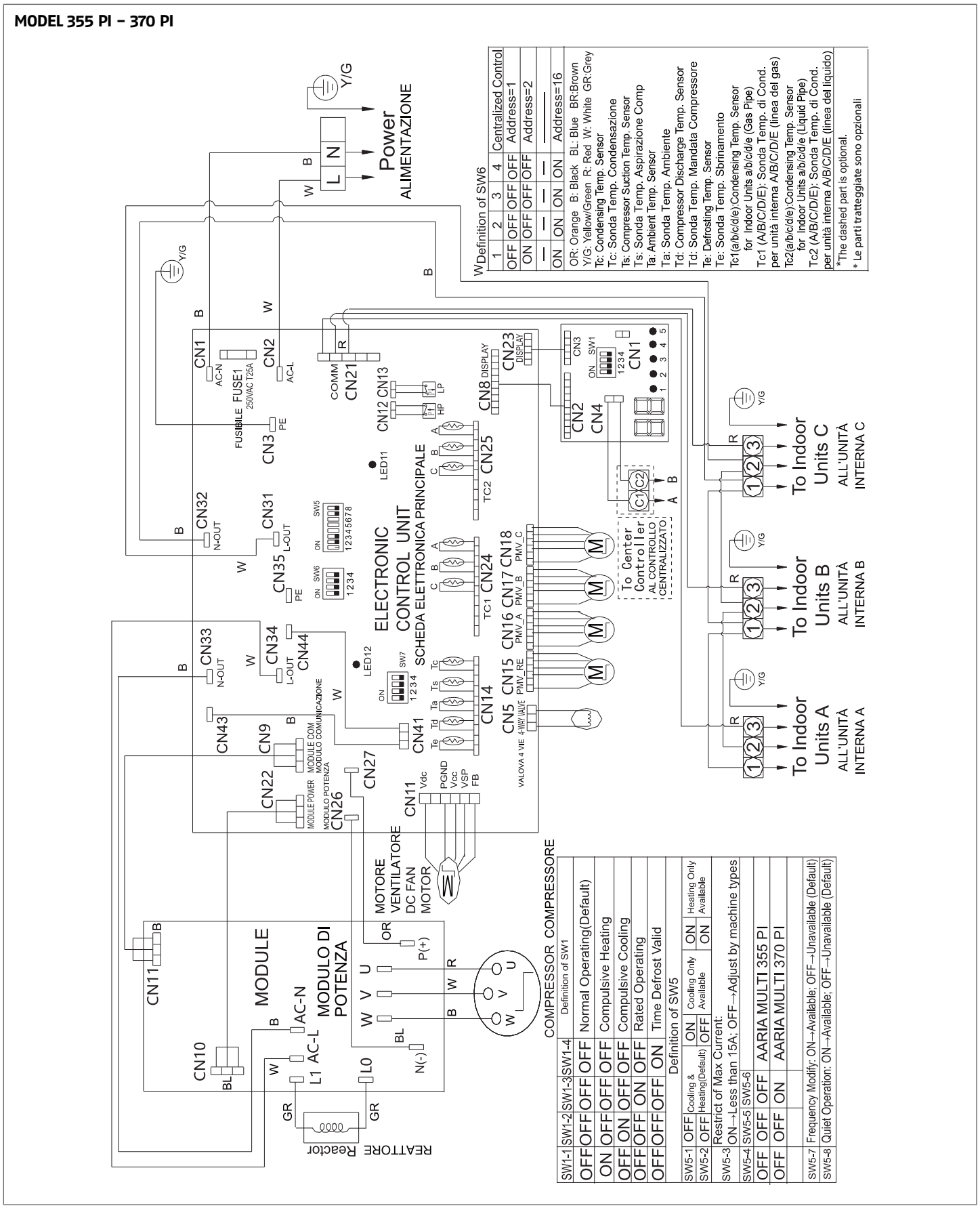
⚠ After having created the vacuum and established the electric connections, proceed with the additional refrigerant charge (see chapter "Additional refrigerant charge" *p. 44*).

2.11 Wiring diagram

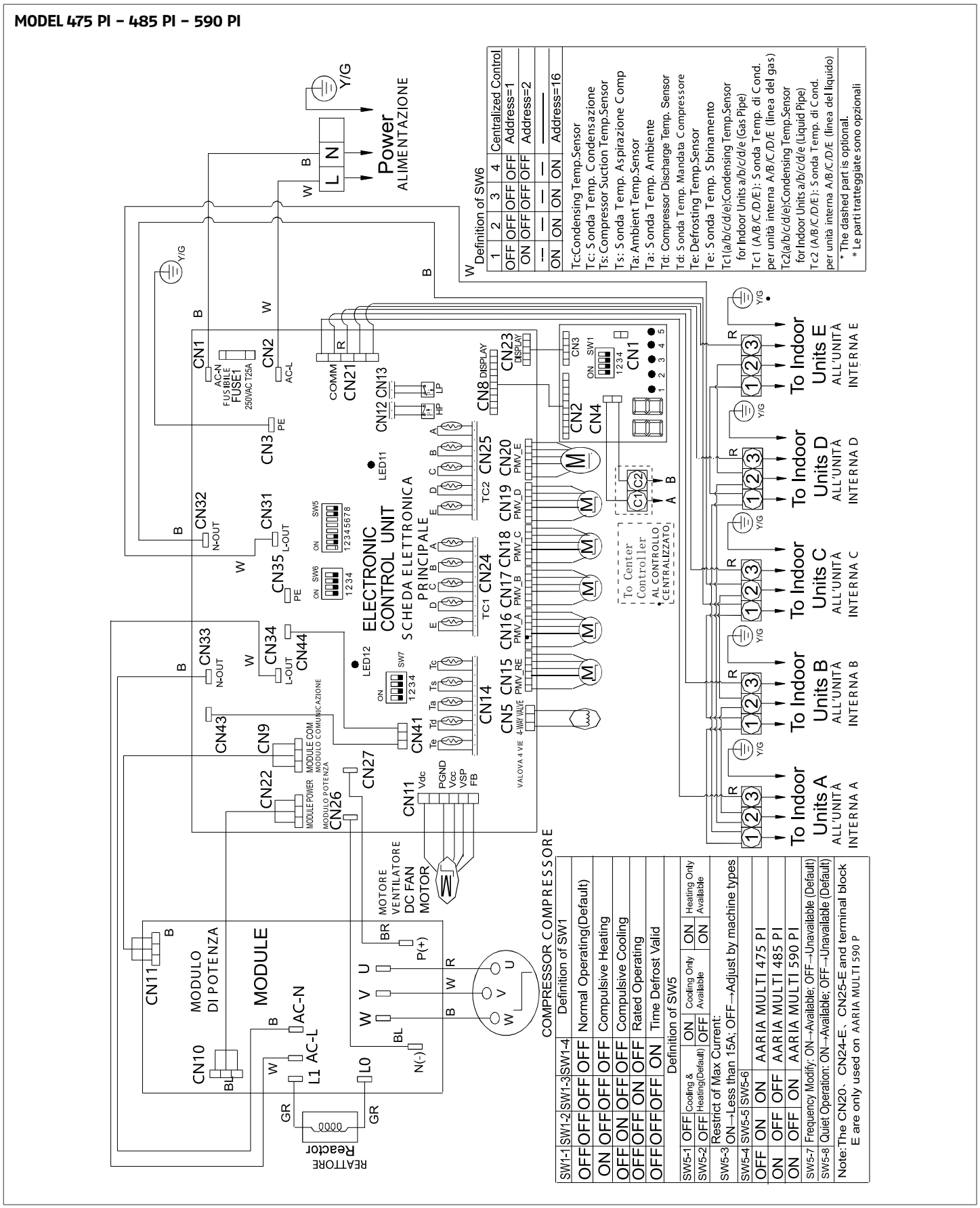
MODEL 250 PI



MODEL 355 PI – 370 PI



MODEL 475 PI – 485 PI – 590 PI



W Definition of SW6				
1	2	3	4	Centralized Control
OFF	OFF	OFF	OFF	Address=1
ON	OFF	OFF	OFF	Address=2
---	---	---	---	------
ON	ON	ON	ON	Address=16

Tc:Condensing Temp.Sensor
Tc: Sonda Temp. Condensazione
Ts: Compressor Suction Temp.Sensor
Ts: Sonda Temp. Aspirazione Comp
Ta: Ambient Temp.Sensor
Ta: Sonda Temp. Ambiente
Td: Compressor Discharge Temp. Sensor
Td: Sonda Temp. Mandata Compressore
Te: Defrosting Temp.Sensor
Te: Sonda Temp. Sbrinamento
Tc1(a/b/c/d/e):Condensing Temp.Sensor for Indoor Units a/b/c/d/e (Gas Pipe)
Tc1 (A/B/C/D/E): Sonda Temp. di Cond. per unità interna A/B/C/D/E (linea del gas)
Tc2(a/b/c/d/e):Condensing Temp.Sensor for Indoor Units a/b/c/d/e (Liquid Pipe)
Tc2 (A/B/C/D/E): Sonda Temp. di Cond. per unità interna A/B/C/D/E (linea del liquido)
* The dashed part is optional.
* Le parti tratteggiate sono opzionali

SW1-1	SW1-2	SW1-3	SW1-4	Definition of SW1
OFF	OFF	OFF	OFF	Normal Operating(Default)
ON	OFF	OFF	OFF	Compulsive Heating
OFF	ON	OFF	OFF	Compulsive Cooling
OFF	OFF	ON	OFF	Rated Operating
OFF	OFF	OFF	ON	Time Defrost Valid

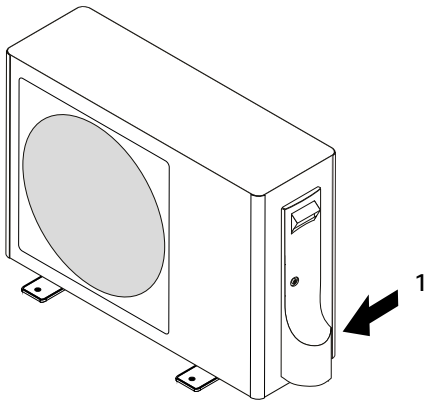
Definition of SW5					
SW5-1	OFF	Cooling & Heating(Default)	ON	Cooling Only Available	ON Heating Only Available
SW5-2	OFF		OFF		ON
SW5-3	Restrict of Max Current: ON→Less than 15A; OFF→Adjust by machine types				
SW5-4	SW5-5	SW5-6			
OFF	ON	ON	AARIA MULTI 475 PI		
ON	OFF	OFF	AARIA MULTI 485 PI		
ON	OFF	ON	AARIA MULTI 590 PI		
SW5-7	Frequency Modify: ON→Available; OFF→Unavailable (Default)				
SW5-8	Quiet Operation: ON→Available; OFF→Unavailable (Default)				

Note:The CN20、CN24-E、CN25-E and terminal block E are only used on AARIA MULTI 590 P

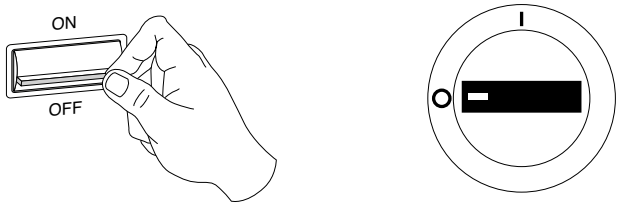
2.12 Electrical connection

AARIA MULTI R32 It leaves the factory completely wired, and only requires a connection to the electrical power grid, the installation of a padlockable disconnecting switch, and a connection to the indoor unit.

⚠ The unit must be powered with a separate electric circuit.



1 Electric connection input



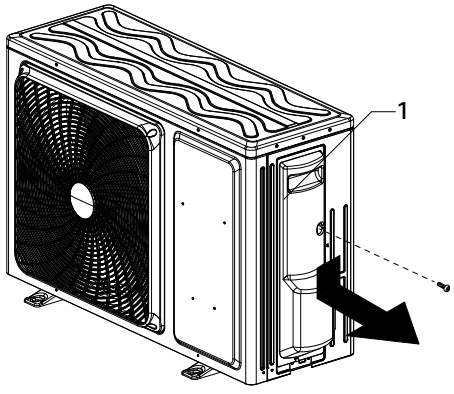
– position the system's main switch in the "OFF" position.

⚠ Wait 10 minutes before touching the device electric components.

⚠ Check with a tester that the voltage between the power supply connectors of the main electronic board is lower than 10 Vdc.

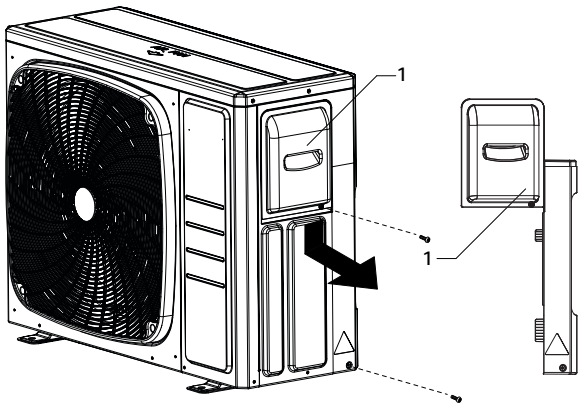
To access the terminal board:

MODEL 250 PI



1 Terminal board cover panel

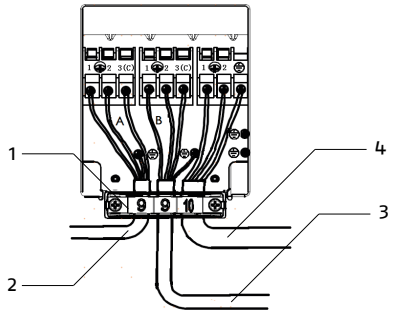
MODEL 355 PI – 370 PI – 475 PI – 485 PI – 590 PI



1 Terminal board panel and pipes cover panel

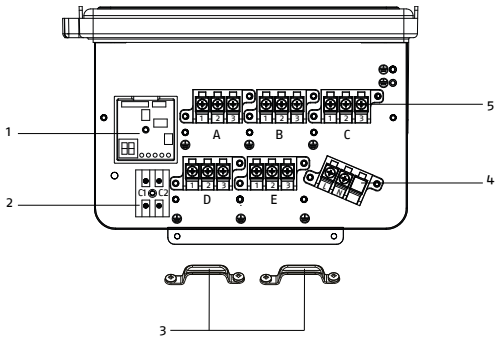
– unscrew the fastening screw
– push down the connection covering panel
– remove the connection covering panel

MODEL 250 PI



1 Wire retainer
2 Connection with indoor unit A
3 Connection with indoor unit B
4 Power supply

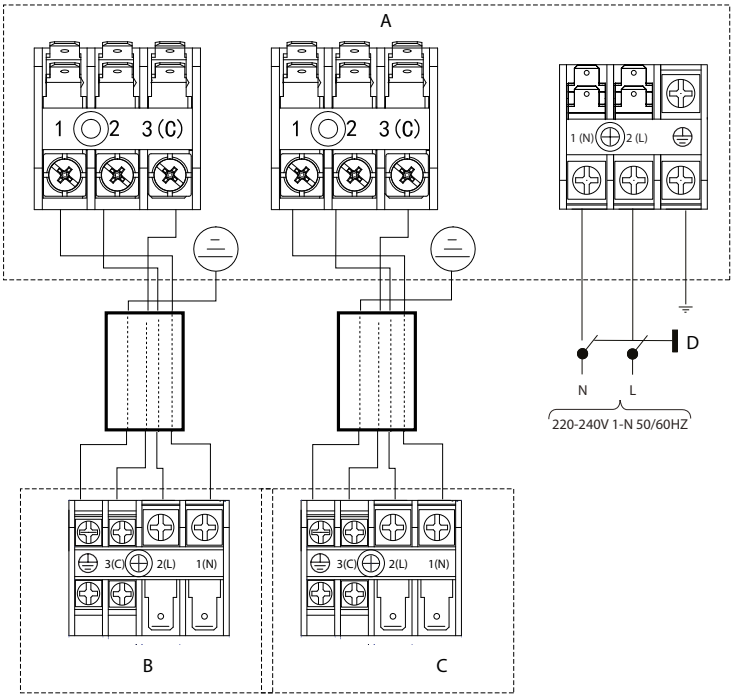
MODEL 355 PI – 370 PI – 475 PI – 485 PI – 590 PI



1 Signal panel
2 Terminal board for centralized control (accessory)
3 Wire retainer
4 Power supply connection terminal board
5 Connection terminal board with indoor unit

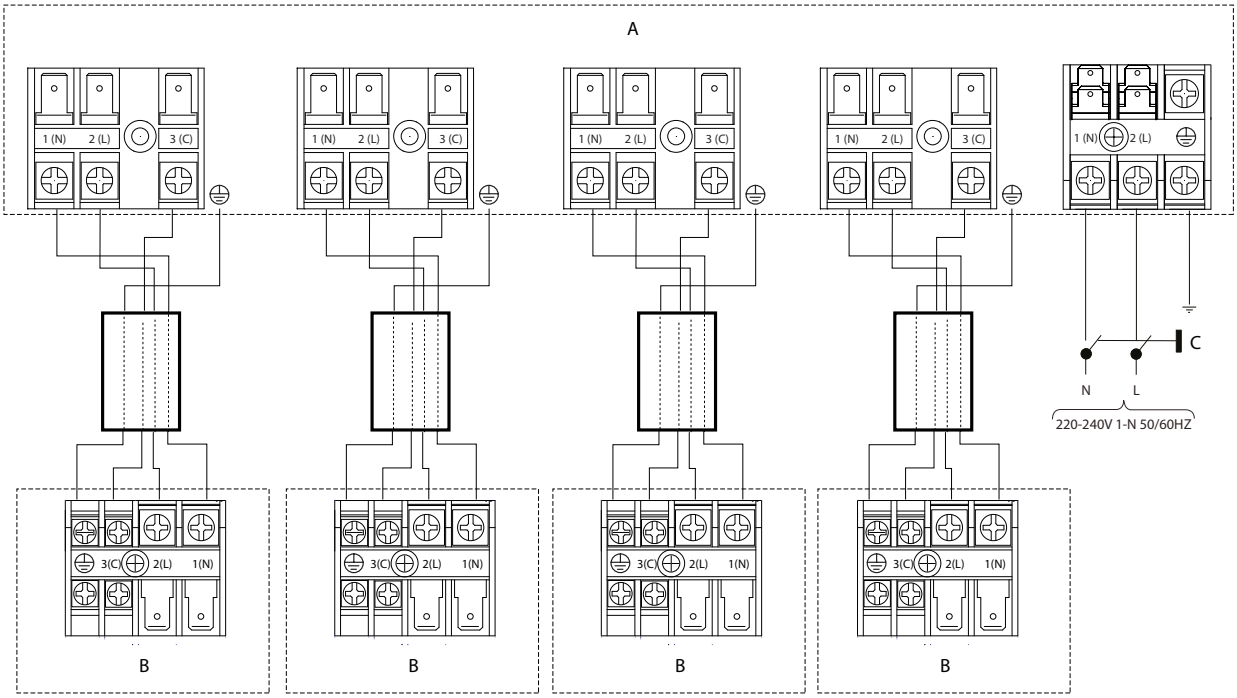
– remove the wire retainer
– make electrical connections according to the diagrams below

MODEL 250 PI

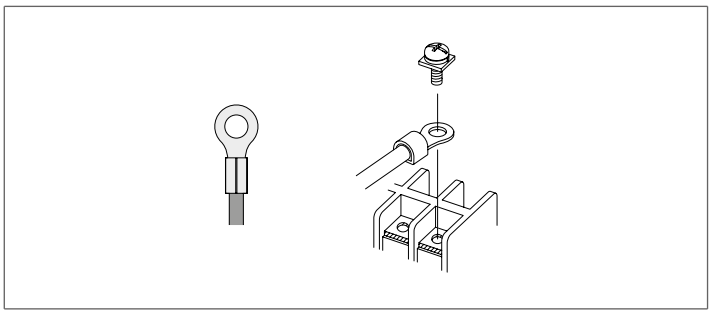


A 0utdoor unit
B Indoor unit A
C Indoor unit B
D System main switch

MODEL 355 PI – 370 PI – 475 PI – 485 PI – 590 PI



A 0utdoor unit
B Indoor unit
C System main switch



⚠ It is compulsory to use ring crimp terminals to connect to the terminal board.

For the sizing of the electrical power cables and safety devices, use the following table:

Riello model		250 PI	355 PI	370 PI	475 PI	485 PI	590 PI
Electrical characteristics							
Power supply	V/Ph/Hz	220-240/1/50/60					
Protection factor	IP	IPX4					
Protection against short circuit	A	25,00					
Protection against overcurrent	A		11,00		15,00		17,00
Ground protection	A	25	-				
Residual current	mA	3,00	5,00		8,00		
Starting current	A	1,00					5,00
Power cable	Type	H07RN-F					H05RN-F3G
Power cable	n. x mm²	3 x 2,5	3 x 4,0				
Signal cable	n. x mm²	4 x 1,0	4 x 2,5				

⚠ The cable sections specified in the table are minimum requirements. The correct size must be calculated taking into account the actual length, the type of routing and other conditions set by the existing regulations.

- fasten the wires with the wire retainer
- complete the electric connections and refit all components by performing the described operations in reverse order

Check that:

- the characteristics of the power network are suitable for the device usage values
- the power supply voltage corresponds to the nominal value +/- 10%, with a maximum phase imbalance of 3%
- all of the power network disconnect devices must be equipped with contact openings (3 mm) in order to allow for complete disconnection, in accordance with the conditions required

Mandatory items:

- have an omnipolar magneto-thermal circuit breaker and a disconnecting switch compliant with the IEC-EN Standards (contact opening of at least 3 mm), with adequate breaking power and differential protection, installed near the equipment
- connect the device to a properly functioning earthing system
- make sure that the electrical power supply system is compliant with the current national safety standards
- make sure that the power supply line impedance is consistent with the unit's power consumption, as indicated on the unit's data plate
- for any electrical intervention, always refer to the wiring diagrams contained within this booklet
- take anti-static precautions in case of weather conditions where humidity is less than 40%

⚠ Electric connections shall be made in compliance with national regulations.

⚠ Avoid placing the connection cables less than 1 metre away from radio and video systems.

⚠ Avoid using mobile phones.

⛔ It is forbidden to earth the device together with pipes, lightning conductors or the earthing system of a telephone line. Using an improper earthing system can cause electric shocks.

⛔ It is forbidden to connect other devices in parallel to the unit.

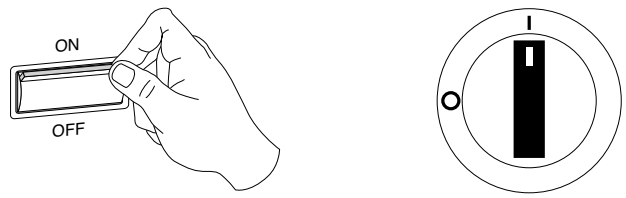
3 COMMISSIONING AND MAINTENANCE

3.1 Preparation for first commissioning

Prior to commissioning, it is necessary to check that:
- all the safety conditions have been met
- installation distances and gaps have been respected
- the indoor units have been connected to the respective refrigerant and electric circuit
- the electrical connections have been properly completed
- power supply values are correct.
- the earthing has been carried out correctly
- all the connections have been properly tightened
- the shut-off valves are open

⚠ The device must always be powered electrically in order to allow for the compressor's oil to be properly pre-heated.

If the device is installed in very cold areas, the device should be under voltage for at least 12 hours before starting it up for the first time.

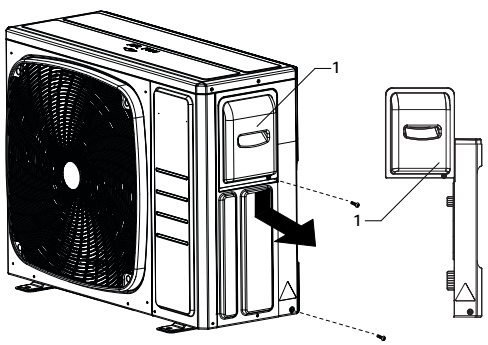


- position the system's main switch in the "ON" position.
- carry out the verification procedure of the electrical connections

Verification procedure of the electrical connections

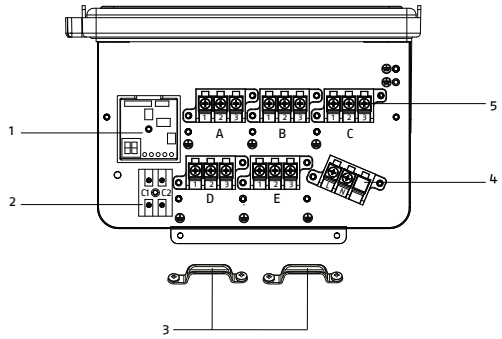
The device can perform an automatic procedure to check the correct electrical connection between the outdoor unit and the internal units. The procedure is activated by the signal panel.

MODEL 355 PI - 370 PI - 475 PI - 485 PI - 590 PI

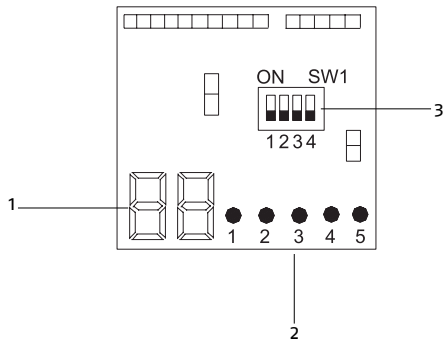


1 Terminal board panel and pipes cover panel

MODEL 355 PI - 370 PI - 475 PI - 485 PI - 590 PI



1 Signal panel
2 Terminal board for centralized control (accessory)
3 Wire retainer
4 Power supply connection terminal board
5 Connection terminal board with indoor unit



1 Display
2 Signal led
3 Microswitch

- **To verify:**
- access to the terminal panel
- check chapter "Electrical connection" *p. 40*
- operate on the signal panel
- set the microswitch "ON"
- position the system's main switch in the "OFF" position.
- wait few second
- position the system's main switch in the "ON" position.

After 3 minutes, the system enter into verification mode.
After 30 to 50 minutes, the verification ends and the result is displayedthrough the signal LEDs:
Led off: connection missing
Flashing LED: incorrect connection
Led on: correct connection

⚠ If there is a wrong connection, will flash the LEDs of the units involved. In this case, check carefully connections and reverse the wrong ones.

⚠ If only one LED flashes, there may be a malfunction of the signal panel.

3.2 Putting into service

After having completed all the operations required to prepare for first commissioning, do the following to activate the device:
- follow the instructions given in the manual of the indoor unit that you are installing

⚠ The unit has an automatic restart function after power failure (model 250 PI only).

⚠ Keep the leak finder on and close to the unit so that it signals any refrigerant leak.

⚠ Use an electronic leak finder properly calibrated for the system refrigerant.

⛔ It is forbidden to use leak finders with halogen lamps.

Checks during and after the first commissioning

After starting the unit, leave it running for 30 minutes and then check that:
- the working pressures are correct
- the air temperature difference between intake and supply air in the indoor unit is correct
- the current consumed by the compressor is less than the maximum permitted
- the device is operating under the recommended operating conditions
- the unit is able to stop and start up again

⚠ Should any of the above-listed controls have problems: turn the device off and call the Technical Service immediately.

⚠ Do not touch the device pipes to prevent potential burns.

⚠ Take anti-static precautions in case of weather conditions where humidity is less than 40%.

⚠ Avoid using mobile phones.

Additional refrigerant charge

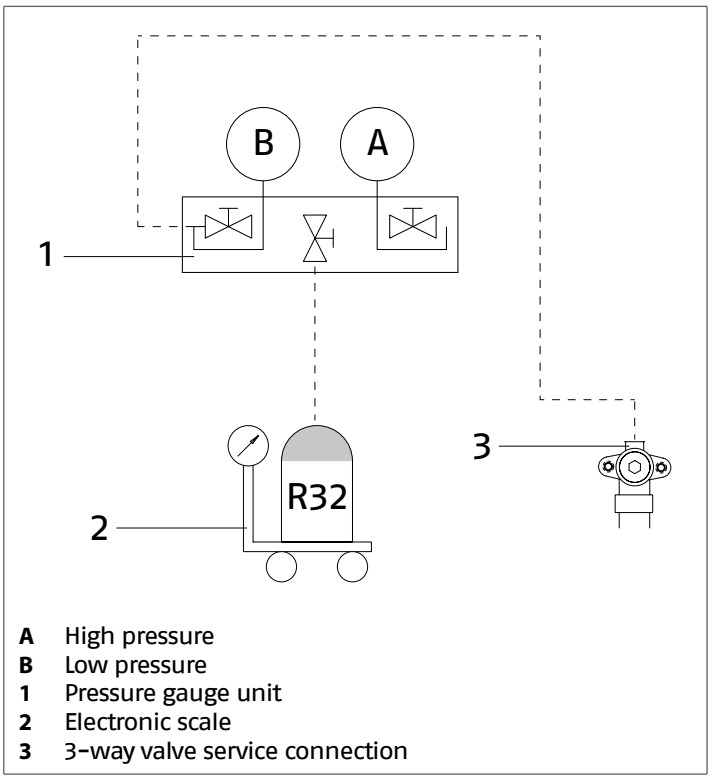
The units are supplied with a sufficient amount of refrigerant gas for a pre-set length of the connection pipes.
An additional refrigerant charge is needed if such length is exceeded.
The pre-set values are detailed in the following table:

Riello model		250 PI	355 PI	370 PI	475 PI	485 PI	590 PI
Maximum length with standard charge	m	20	30	30	40	40	40
Additional charge	g/m	20	20	20	20	20	20

⚠ The device must be earthed before performing the additional charge.

⚠ The R32 refrigerant gas is slightly inflammable and odourless. Carefully read the safety data sheet available from the dealer and see table "Minimum floor area" *p. 9*.

To perform the additional charge:



A High pressure
B Low pressure
1 Pressure gauge unit
2 Electronic scale
3 3-way valve service connection

- connect the refrigerant cylinder to the pressure gauge unit
- connect the charging tube to the service connection on the 3-way shut-off valve
- remove the air from the charging tube
- charge the refrigerant with an electronic scale
- disconnect the charging tube from the service valve
- refit the three-way valve closing plug

⚠ Carefully check for absence of leakages from the closing point of the plug.

⚠ Do not force beyond the stop point to prevent damaging the shaft and causing leakage as a consequence.

⚠ Use equipment suitable for the system refrigerant.

⚠ Use only the system refrigerant.

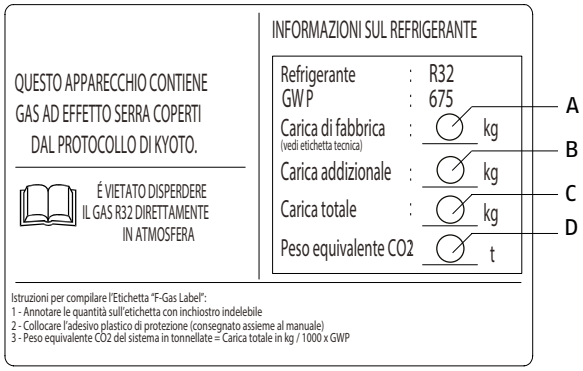
⚠ Any gas leaks indoors can generate toxic gases if they come into contact with naked flames or high temperature bodies, in case of leaks, please air the rooms thoroughly.

⚠ Take anti-static precautions in case of weather conditions where humidity is less than 40%.

⚠ Avoid using mobile phones.

3.2.1 Refrigerant label

In base alla Normativa CE n. 517/2014 su determinati gas fluorurati ad effetto serra, è obbligatorio indicare la quantità totale di refrigerante presente sistema installato. Tale informazione è presente nella targhetta tecnica presente nell'unità esterna.



A Standard charge
B Additional charge
C Total charge
D Equivalent total weight of C02

To write the tag:
- note the quantity onto the label with indelible ink
- place the refrigerant gas label on the outdoor unit

⚠ This unit contains fluorinated greenhouse gases covered by the Kyoto protocol. Maintenance and disposal activities must be carried out exclusively by skilled personnel.

⚠ Global warming potential of the R32 refrigerant gas: GWP=675

⚠ If necessary, the refrigerant must be recovered and not dispersed into the environment.

⛔ It is forbidden to disperse the refrigerant into the environment.

3.3 Ordinary maintenance

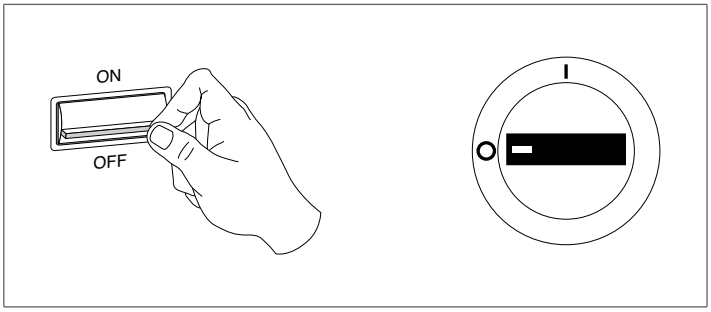
Routine maintenance is fundamental for keeping the equipment efficient, safe and reliable. It can be performed periodically by the Technical Support Service, whose staff is technically qualified and can use genuine spare parts, if necessary.

⚠ For units installed in a seaside environment, the maintenance intervals shall be halved.

⚠ Original conditions must be restored after performing the required maintenance operations.

⚠ All described operations MUST be carried out under the following conditions:
- cold device
- device NOT supplied with electric power
- suitable personal protection equipment

⛔ Do not open the access covers and carry out technical or cleaning activities before disconnecting the unit from the power grid by positioning the system's main switch in the "OFF" position.



- position the system's main switch in the "OFF" position.

⚠ Wait 10 minutes before touching the device electric components.

⚠ Check with a tester that the voltage between the power supply connectors of the main electronic board is lower than 10 Vdc.

Yearly operations

The annual maintenance plan includes the following checks:
- power supply voltage
- electric connection tightening
- status of cooling and hydraulic joint
- finned coil cleaning
- electric absorption
- fan grille cleaning

Cleaning the heat exchanger fins

The thermal exchange bank must be cleaned with compressed air.
Cleaning must be carried out at least once a year, according to the location of the unit, as dirt accumulating between the fins narrows the passage section and reduces the exchange capability.
- check the alignment of the bank's aluminium fins and, if necessary, straighten them with the appropriate comb
- check that the condensate discharge pipe is clean

⚠ Do not use any means to accelerate the defrosting.

⚠ Do not use systems different from the ones indicated in this manual.

Emptying of the evaporator

This operation may be necessary to perform reparations on the low pressure side (evaporator), the device reallocation or the replacement of the indoor unit without losing the whole refrigerant charge.
Proceed as follows:
- remove the covering plug from the shut-off valve
- check that the three-way shut-off valve is fully open
- let the device operate in cooling mode for 10 - 15 minutes
- stop the device for about 3 minutes
- connect the charging tube of the pressure gauge unit to the three-way valve service connection on gas side
- vent the air from the charging tube
- close the two-way shut-off valve on liquid side
- operate the equipment in cooling mode until pressure gauge reads a suction pressure of approx. -1 MPa
- close the three-way shut-off valve on gas side
- stop the unit

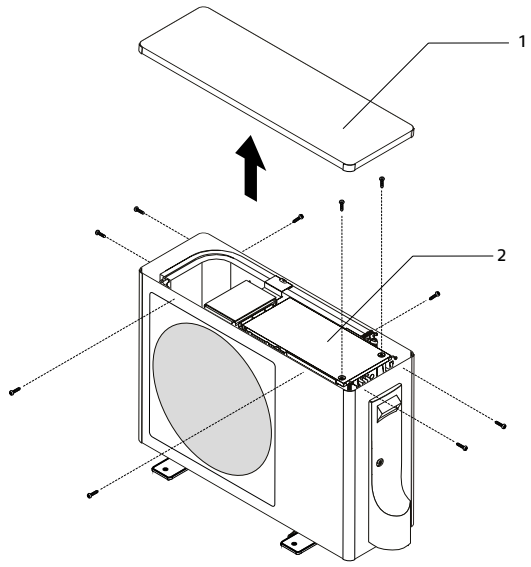
– disconnect the pressure gauge unit
– refit the valve covering plug

⚠ Carefully check for absence of leakages from the closing point of the plug.

3.4 Operation signal and alarms

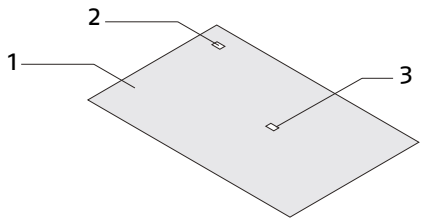
Model 250 PI

Signals are displayed by means of LEDs on the unit main electronic board.
Proceed as follows to access the filters:



1 Upper panel
2 Electric panel cover

– unscrew the fastening screws
– remove the top panel
– unscrew the fastening screws
– remove the electric panel cover



1 Main electronic board
2 Led 2
3 Led 1

The unit operation is signalled with LED 2.

Led 2	Description
On	Indicates that the unit is supplied with electricity
Off	Indicates that the unit is not supplied with electricity

After the LED switches off:

⚠ Wait 10 minutes before touching the device electric components.

⚠ Check with a tester that the voltage between the power supply connectors of the main electronic board is lower than 10 Vdc.

In the presence of operating abnormalities, the unit is secured and blocked.

⚠ Safety block can occur randomly.

⚠ Wait for at least 10 minutes before restarting the unit.

⚠ If the fault occurs again, an accurate check of the device components is required. Contact **RIELLO** Technical Support Service.

⚠ Indoor units with display signal faults with an alphanumeric code. Consult the matching outdoor unit instruction booklet for the installer.

Alarms table 250 PI

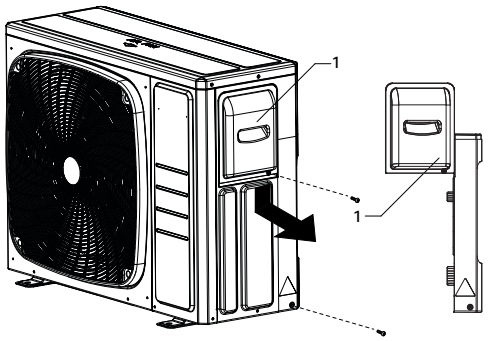
Faults are signalled by means of LED 1 blinking.

Led 1	Description	Analyze and diagnose
1	External unit microprocessor fault	Outdoor main board eeprom fail
2	Power module fault (IPM)	PIM error
4	Communication error between main board (PCB) and power module (IPM)	Communication fail over 4 min
5	High pressure protection	System hight pressure over 4.3 MPa
8	Overheat protection for compressor discharge	Compressor discharging temperature over 116 °C
9	Fan motor malfunction	Jam of DC motor or motor failure
10	Defrost temperature sensor failure	Piping sensor short-circuit or open-circuit
11	Suction probe fault	When the the wiring of compressor is wrong or the connection is poor
12	External air probe fault	Outdoor ambient sensor short-circuit or open-circuit
13	Discharge temperature sensor failure	Compressor discharge sensor short-circuit or open-circuit
15	Communication error between outdoor and indoor unit	Communication fail over 4 min
16	Lack of refrigerant	Check for refrigerant leaks
17	4-way valve malfunction	Alarm and stop if detect Tm<=0 last for 1min after compressor has started for 10 min in heating mode Not restorable if the alarm occurs 3 times in 1 hour, check the 4 way valve
18	Compressor lockout	Inner compressor is abnormal jamed
19	Module PWM select circuit error	Module PM select wrong circuit
25	Overcurrent protection for single- phase of the compressor	The current on one of the three phases of the compressor is too high

Model 355 PI - 370 PI - 475 PI - 485 PI - 590 PI

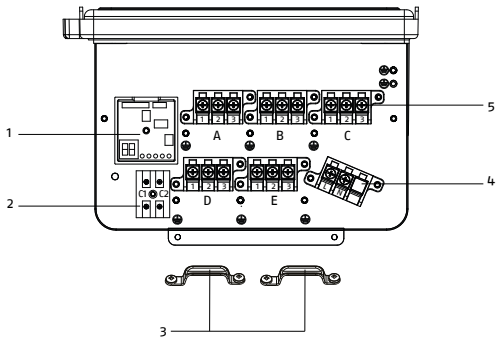
The signals will be shown through LEDs and a display on the signal panel.

MODEL 355 PI – 370 PI – 475 PI – 485 PI – 590 PI

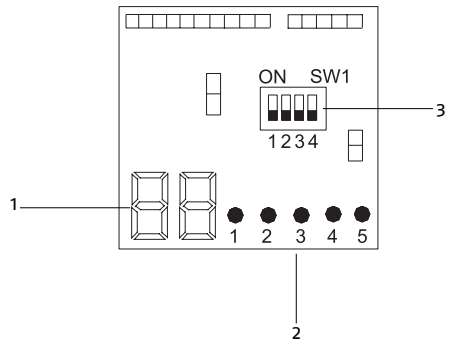


1 Terminal board panel and pipes cover panel

MODEL 355 PI – 370 PI – 475 PI – 485 PI – 590 PI



1 Signal panel
2 Terminal board for centralized control (accessory)
3 Wire retainer
4 Power supply connection terminal board
5 Connection terminal board with indoor unit



1 Display
2 Signal led
3 Microswitch

- **Proceed as follows to access the filters:**

– check chapter "Electrical connection" *p. 40*

The operation of the unit is signed through the LEDs:
On: correct operation
Off: lack of communication with the indoor unit
Faults are indicated by a flashing code displayedon the display:

⚠ During normal operation, the display indicates the frequency work of the compressor.

Code	Description
1	External unit microprocessor fault
2	Power module fault
4	Communication error between main board and power module
5	Overload power module
6	Wrong supply voltage ot the power module
8	Overheat protection for compressor discharge Refrigerant loss Outdoor temperature too high
9	Fan motor malfunction
10	Defrost temperature sensor failure
11	Suction probe fault
12	External air probe fault
13	Discharge temperature sensor failure
15	Communication error between outdoor and indoor unit
16	Lack of refrigerant

Code	Description
17	4-way valve malfunction
18	Deviate from the normal for the compressor
20	Internal unit anti-freeze protection
21	Internal unit overload
23	Overload power module
24	Compressor start error
25	Protection against overcurrent
26	Reset MCU
27	Power supply modul fault
28	Liquid probe circuit A fault
29	Liquid probe circuit B fault
30	Liquid probe circuit C fault
31	Liquid probe circuit D fault
32	Gas probe circuit A fault
33	Gas probe circuit B fault
34	Gas probe circuit C fault
35	Gas probe circuit D fault
36	Gas probe circuit E fault
38	Temperature probe module malfunction Power failure
39	Heat exchanger probe fault
40	Liquid probe circuit E fault
42	High pressure switch operation
43	Low pressure switch operation
44	High pressure protection Refrigerant overload Fan motor malfunction
45	Low pressure protection Lack of refrigerant Heat exchanger freezing Fan motor malfunction

In the presence of operating abnormalities, the unit is secured and blocked.

⚠ Safety block can occur randomly.

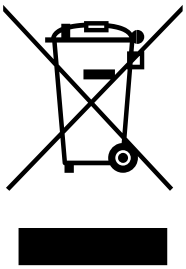
⚠ Wait for at least 10 minutes before restarting the unit.

⚠ If the fault occurs again, an accurate check of the device components is required. Contact **RIELLO** Technical Support Service.

⚠ Indoor units with display signal faults with an alphanumeric code. Consult the matching outdoor unit instruction booklet for the installer.

4 DISPOSAL

Packaging materials shall be disposed of separately so as to recover and recycle them. Refrigerant and oil must be recovered and not dispersed into the environment. At the end of its service life, the device shall be disposed of according to the existing legislation.



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