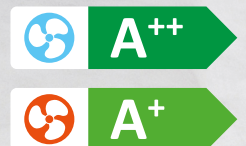


BAXI

Luna Clima Light Commercial R32

DC inverter heat pump air conditioning



The perfect combination of design and performance

The Luna Clima Light Commercial R32 gas range is the perfect combination of sophisticated design and high performance (in heating, cooling and dehumidification).

The noiseless operation of the outdoor and the indoor units makes this range the ideal solution to ensure the maximum comfort.

Cassette indoor unit

Duct indoor unit

Ceiling/Floor indoor unit

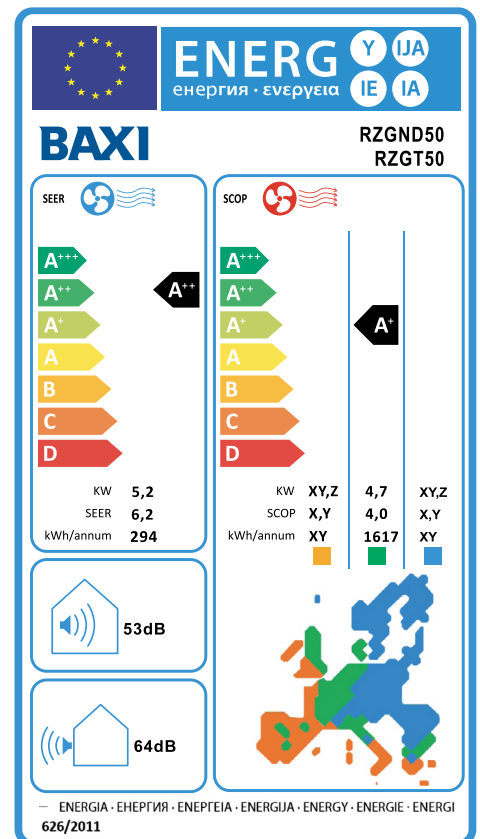
High efficiency and performance

In 2013, the 2009/125 CE Directive about air conditioners' minimum standards was put in place, to help the EU achieve its 20-20-20 target to reduce CO2 emissions by 20%, increase energy efficiency by 20% and increase the share of renewable energies to 20% by 2020.

The Labelling Directive (2017/1369/EU) requires products to be labelled according to a decreasing efficiency band, ranging from A+++ to D. The energy efficiency class, identified by a letter, states an efficiency range in which the value of the product is included. The label is created for the final consumer to enable an informed choice about high efficiency products through comparable data.

 **A⁺⁺** COOLING

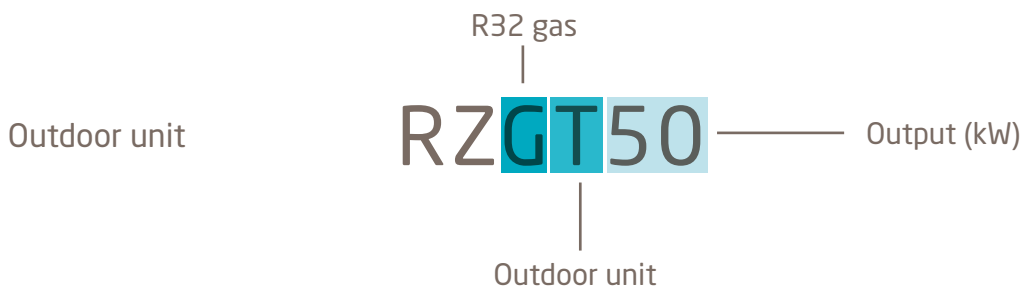
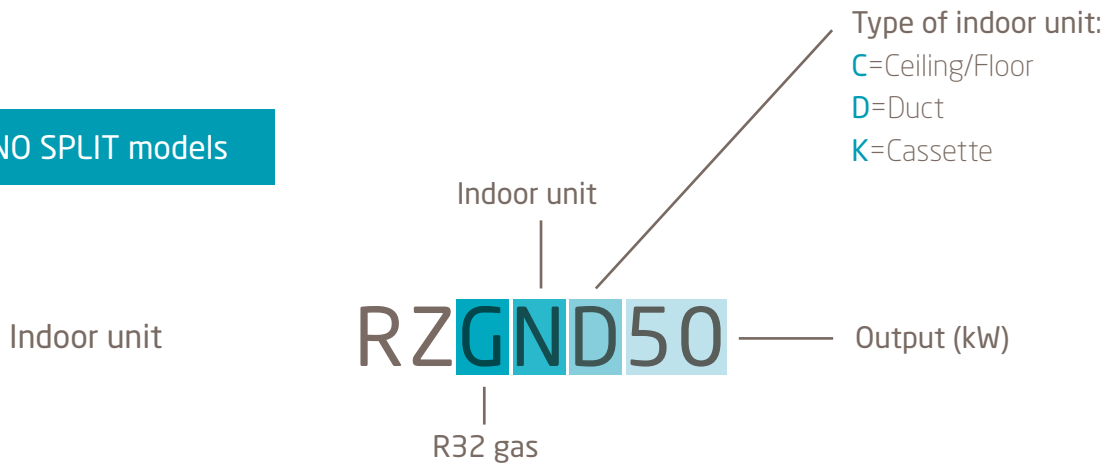
 **A⁺** HEATING



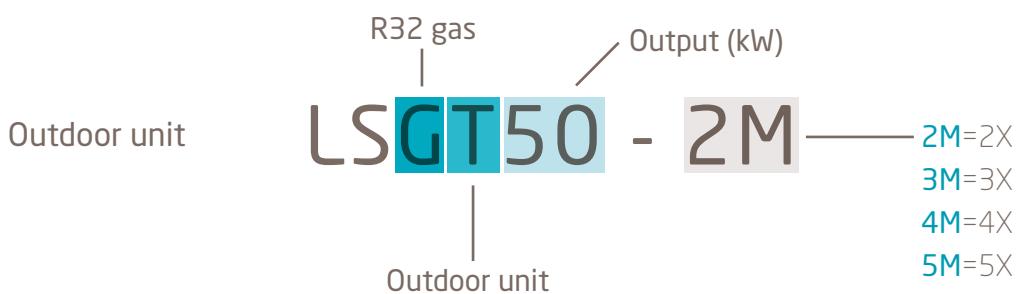
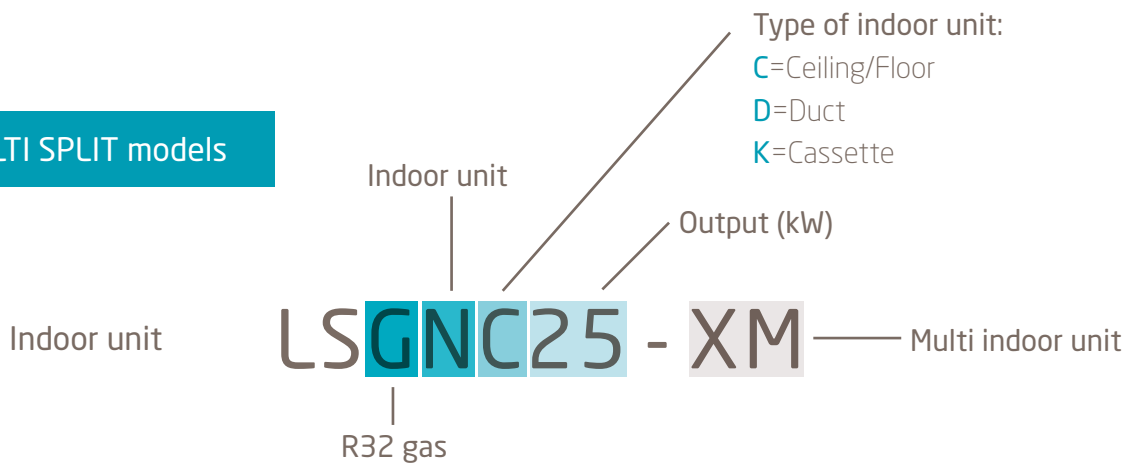


Guide to Luna Clima Light Commercial naming

MONO SPLIT models



MULTI SPLIT models



With regard to the cassette indoor units, the letter B (Body) is referred to the cassette body, while the letters PK identify the panel.

A complete range

Baxi confirms its positions in the air conditioning and enlarges the offer, introducing the R32 gas Light Commercial range (mono and Multi Split models) to satisfy any need and installation requirement (offices, gyms, meeting rooms, hotels, etc.).

The **Mono Split outdoor units of the Light Commercial (RZGT)** can be combined **ONLY** with the indoor units of the **Light Commercial** (they can't be installed with wall-hung units).

MONO SPLIT models			
Btu/h	Outdoor unit	Indoor unit	
12.000	RZGT35 	RZGNK35 Mono Split cassette (body+panel) 	
18.000	RZGT50 	RZGNK50 Mono Split cassette (body+panel) 	
		RZGNC50 Mono Split Ceiling/Floor 	
		RZGND50 Mono Split Duct 	
24.000	RZGT70 	RZGNK70 Mono Split cassette (body+panel) 	
		RZGNC70 Mono Split Ceiling/Floor 	
		RZGND70 Mono Split Duct 	
36.000	RZGT100 	RZGNK100 Mono Split cassette (body+panel) 	
		RZGNC100 Mono Split Ceiling/Floor 	
		RZGND100 Mono Split Duct 	
48.000	RZGT140 	RZGNK140 Mono Split cassette (body+panel) 	
		RZGNC140 Mono Split Ceiling/Floor 	
		RZGND140 Mono Split Duct 	
60.000	RZGT160 	RZGNK160 Mono Split cassette (body+panel) 	
		RZGNC160 Mono Split Ceiling/Floor 	
		RZGND160 Mono Split Duct 	

The Multi Split outdoor units of the R32 gas Light Commercial range are the same of the domestic range, therefore it is possible to combine these outdoor units with the indoor units of both the **Light Commercial (cassette, ceiling/floor and duct)** and the domestic (wall-hung) offers.


MULTI SPLIT models	
Btu/h	Outdoor unit
14.000	2x1 LSGT40-2M 
18.000	2x1 LSGT50-2M 
21.000	3x1 LSGT60-3M 
27.000	3x1 LSGT70-3M 
36.000	4x1 LSGT100-4M 
42.000	5x1 LSGT125-5M 


MULTI SPLIT models	
Btu/h	Indoor unit
7.000	LSNW20 Multi Split Wall-hung 
9.000	LSNW25 Multi Split Wall-hung 
	LSNK25-XM Multi Split cassette (body+panel) 
	LSNC25-XM Multi Split Ceiling/Floor 
	LSND25-XM Multi Split Duct 
12.000	LSNW35 Multi Split Wall-hung 
	LSNK35-XM Multi Split cassette (body+panel) 
	LSNC35-XM Multi Split Ceiling/Floor 
	LSND35-XM Multi Split Duct 
18.000	LSNW50 Multi Split Wall-hung 
	LSNK50-XM Multi Split cassette (body+panel) 
	LSNC50-XM Multi Split Ceiling/Floor 
	LSND50-XM Multi Split Duct 


Table of the possible combinations


In the following tables are presented the possible combinations of the Multi Split outdoor units with the indoor unit(s). The indoor units can be chosen between cassette, ceiling/floor, duct and wall-hung.


The output combinations as indicated below must be respected.


Multi Split Outdoor unit	Indoor unit		
	1 unit	2 units	
2x1 14.000 Btu/h 	7	7+7	9+9
	9	7+9	9+12
	12	7+12	-

Multi Split Outdoor unit	Indoor unit		
	1 unit	2 units	
2x1 18.000 Btu/h 	7	7+7	9+9
	9	7+9	9+12
	12	7+12	12+12

Multi Split Outdoor unit	Indoor unit				
	1 unit	2 units		3 units	
3x1 21.000 Btu/h 	7	7+7	9+9	7+7+7	7+9+12
	9	7+9	9+12	7+7+9	9+9+9
	12	7+12	9+18	7+7+12	9+9+12
	18	7+18	12+12	7+9+9	-

Multi Split Outdoor unit	Indoor unit				
	1 unit	2 units		3 units	
3x1 27.000 Btu/h 	7	7+7	9+12	7+7+7	7+9+12
	9	7+9	9+18	7+7+9	7+12+12
	12	7+12	12+12	7+7+12	9+9+9
	18	7+18	12+18	7+7+18	9+9+12
	-	9+9	-	7+9+9	9+12+12

Multi Split Outdoor unit	Indoor unit								
	1 unit	2 units		3 units			4 units		
4x1 36.000 Btu/h 	7	7+7	9+12	7+7+7	7+9+18	9+9+18	7+7+7+7	7+7+12+18	9+9+9+9
	9	7+9	9+18	7+7+9	7+12+12	9+12+12	7+7+7+9	7+9+9+9	9+9+9+12
	12	7+12	12+12	7+7+12	7+12+18	9+12+18	7+7+7+12	7+9+9+12	9+9+9+18
	18	7+18	12+18	7+7+18	7+18+18	9+18+18	7+7+7+18	7+9+9+18	9+9+12+12
	-	9+9	18+18	7+9+9	9+9+9	12+12+12	7+7+9+9	7+9+12+12	9+9+12+18
	-	-	-	7+9+12	9+9+12	12+12+18	7+7+9+12	7+9+12+18	9+12+12+12
	-	-	-	-	-	-	7+7+9+18	7+12+12+12	12+12+12+12
	-	-	-	-	-	-	7+7+12+12	7+12+12+18	-

Multi Split Outdoor unit	Indoor unit											
	1 unit	2 units		3 units			4 units			5 units		
5x1 42.000 Btu/h 	7	7+7	9+12	7+7+7	7+12+12	9+12+18	7+7+7+7	7+7+18+18	9+9+9+12	7+7+7+7+7	7+7+9+9+9	7+9+9+12+12
	9	7+9	9+18	7+7+9	7+12+18	9+18+18	7+7+7+9	7+9+9+9	9+9+9+18	7+7+7+7+9	7+7+9+9+12	7+9+9+12+18
	12	7+12	12+12	7+7+12	7+18+18	12+12+12	7+7+7+12	7+9+9+12	9+9+12+12	7+7+7+7+12	7+7+9+9+18	7+9+12+12+12
	18	7+18	12+18	7+7+18	9+9+9	12+12+18	7+7+7+18	7+9+9+18	9+9+12+18	7+7+7+7+18	7+7+9+12+12	7+12+12+12+12
	-	9+9	18+18	7+9+9	9+9+12	12+18+18	7+7+9+9	7+9+12+12	9+9+18+18	7+7+7+9+9	7+7+9+12+18	9+9+9+9+9
	-	-	-	7+9+12	9+9+18	18+18+18	7+7+9+12	7+9+12+18	9+12+12+12	7+7+7+9+12	7+7+12+12+12	9+9+9+9+12
	-	-	-	7+9+18	9+12+12	-	7+7+9+18	7+12+12+12	9+12+12+18	7+7+7+9+18	7+7+12+12+18	9+9+9+9+18
	-	-	-	-	-	-	7+7+12+12	7+12+12+18	12+12+12+12	7+7+7+12+12	7+9+9+9+9	9+9+9+12+12
	-	-	-	-	-	-	7+7+12+18	9+9+9+9	12+12+12+18	7+7+7+12+18	7+9+9+9+12	9+9+12+12+12

Installation flexibility



The maximum length of the pipes of cooling circuit can reach 65 m (Mono Split Models) or 80 m (Multi Split Models) - one way. Moreover, the maximum height difference between the outdoor and the indoor unit(s) is 30 m (Mono Split Models) and 15 m (Multi Split Models). This ensure an **easy, flexible and affordable installation**.

- H= maximum height difference
30 m (Mono Split), 15 m (Multi Split)
- Maximum length of the pipes (one way)
65 m (Mono Split), 80 m (Multi Split)

Mono Split

(cassette, ceiling&floor)

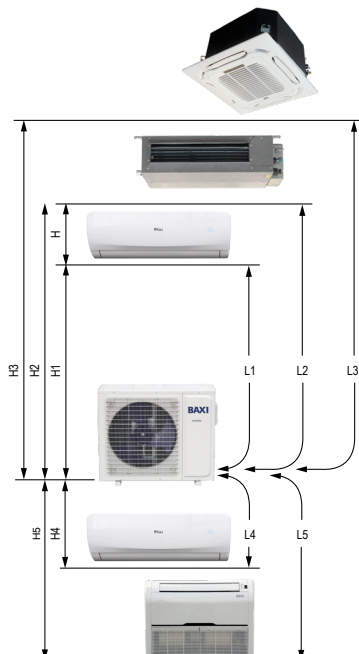


Length of the pipes	12.000 Btu/h	18.000 Btu/h	24.000 Btu/h	36.000 Btu/h	48.000 Btu/h	60.000 Btu/h
L1 (m)	25	30	50	65	65	65
H1 (m)	10	20	25	30	30	30
Pre-charge refrigerant (kg//m)	0,90//8	1,16//8	1,4//8	2,54//8	3,6//8	3,6//8
Additional charge (g/m)	20	20	50	50	50	50

The data refers to all indoor units: cassette, ceiling&floor

Multi Split

(wall hung, cassette, ceiling&floor)



Length of the pipes	DUAL (14.000 Btu/h)	DUAL (18.000 Btu/h)	TRIAL (21.000 Btu/h)	TRIAL (27.000 Btu/h)	QUADRI (36.000 Btu/h)	PENTA (42.000 Btu/h)
L1+L2+L3+L4+L5 (m)	40	40	60	60	80	80
L1, L2, L3, L4, L5 (m)	25	25	30	30	35	35
H1, H2, H3, H4, H5 (m)	15	15	15	15	15	15
H (m)	10	10	10	10	10	10
Pre-charge refrigerant (kg//m)	0,92//15	0,95//15	1,1//22,5	1,05//22,5	2,3//30	2,3//37,5
Additional charge (g/m)	20	20	20	20	20	20

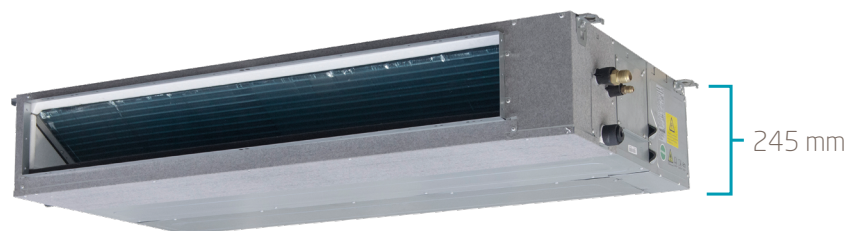
New design Cassette models

New round design of the air flow in the Mono and Multi cassette models, granting a **360° air flow** with more comfort in the airconditioned room.



Enhanced prevalence Duct models

Mono Split Duct models are characterized by the new slim design with compact dimensions and enhanced prevalence (up to 160 Pa) of the indoor unit. The reduced **height of only 245 mm** helps the false ceiling installation.



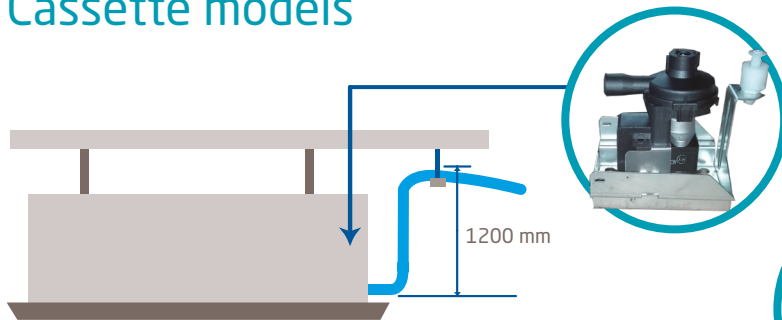
The **maximum prevalence of 160 Pa** allows an efficient air flow distribution, so that one indoor unit (and a well-sized duct structure) can serve a wide room.



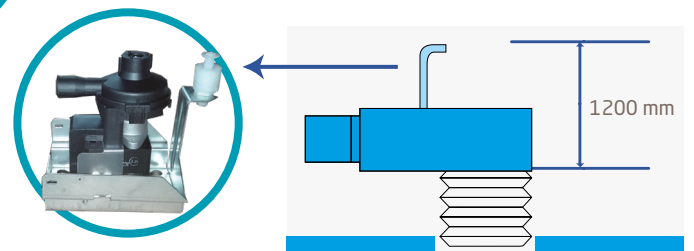
Built-in condensate drain pump

In the **Mono and Multi Split cassette and duct models**, the condensate drain pump is **supplied with the indoor unit**. The pump can evacuate the condensation by lifting the water up to 1200 mm higher than the condensation pan.

Cassette models



Duct models



Noiseless comfort

Indoor and outdoor units highly noiseless operation that grant a great comfort in the living and working rooms.



Complete control



Easy comfort control thanks to

- 1 the remote control with LCD display **supplied with the cassette and ceiling/floor indoor units** and the double keyboard including a quick menu;
- 2 the wired control **supplied with the duct indoor units** that allows to turn on/off the unit and to set the temperature from the quick menu.

Wideness of functions



iFavor

set parameters recall



iFeel

adjusting the operation to the actual temperature of the room (only cassette and ceiling/floor)



Auto clean

it keeps the indoor unit clean avoiding fungal growth



Sleep

automatic adjusting of the operation during night: quieter operation and lower consumptions



Timer

set the functioning time



Dry

dehumidification function independent from cooling mode



Turbo

maximizes the power in cooling/heating mode for an immediate comfort



Auto Swing

automatic orientation of the air flow (only cassette and ceiling/floor)



Auto restart

operating restarts automatically in case of lack of voltage



Anti discomfort

prevents cold air flow during winter



Stand-by

0,5 W to reduce consumptions

The perfect combination of functions and performance



Energy efficiency

A++ in cooling, A+ in heating



Extended operating limits

operating from -15°C to +52°C



Antibacterial filters

remove particulates and harmful irritants from the air



Built-in condensate drain pump

Mono and Multi Split cassette and duct models



Aerodynamic fan

outdoor unit modulating fan with aerodynamic shape



Auto restart

operating restarts automatically in case of lack of voltage



Anti discomfort

prevents cold air flow during winter



Stand-by

0,5 W to reduce consumptions

Smart comfort with Air Connect - PREVIEW

Air Connect and the wi-fi module allow the **remote control of Luna Clima air conditioners via mobile and tablet.**

Air Connect is the application to have the full control of the temperature and the comfort of the house or the office at any moment and from everywhere.

Once the **wi-fi module is installed** (see the installation manual for instructions) **and Air Connect is downloaded**, it is possible to control the air conditioners from smartphone and tablet (iOs and Android systems).

It is possible to: turn on/off the air conditioner, choose the operating mode, set the fan speed, set the flip swing, display all active functions, set a timer, etc.



Features:

- the wi-fi module is installed behind the front panel (wall-hung models) or inside the air conditioner (Light Commercial models)
- **Easy time program** to combine comfort and savings
- **More indoor units can be controlled** with the same application, as long the wi-fi module is installed in all the units
- **Same functions of the remote control**, for example: Turbo, Sleep, iClean, etc.

Wi-fi module packaging

The packaging includes: wi-fi module, manual and warranty certificate.

Terms of service

The application can be used with more Baxi indoor units, as long as a wi-fi module is installed in every unit.



Mono Split cassette indoor units



SUPPLIED



OPTIONAL



New 3,5 kW cassette model

New round design of the air flow in the Mono and Multi cassette models, that allows an efficient air flow distribution, so that one indoor unit (and a well-sized duct structure) can serve a wide room.

Built-in condensate drain pump

The pump can evacuate the condensation by lifting the water up to 1200 mm higher than the condensation pan.

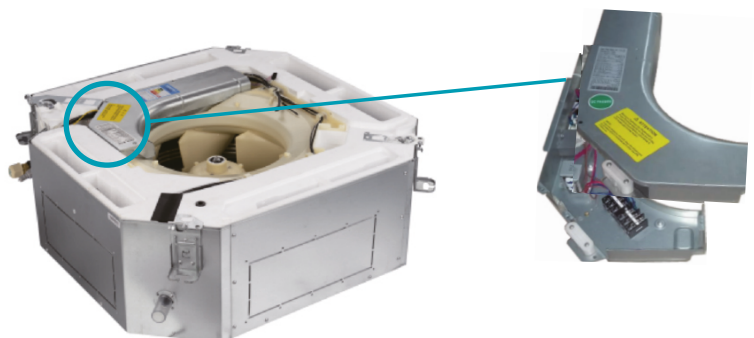


Fresh air intake

Mono Split cassette models (excluding 5 kW model) can operate also with primary air by means of the intake hole (maximum 30% of fresh air intake). Fresh air makes indoor air healthy and comfortable.

Easy access

The electric box, that covers the electric board, is easily accessible and it's easy to maintenance.



Technical data

Mono Split cassette indoor units

		12.000 Btu/h	18.000 Btu/h	24.000 Btu/h	36.000 Btu/h	48.000 Btu/h	60.000 Btu/h
Rated cooling capacity (min.-max.)	kW	3,60 (1,35-4,40)	5,00 (1,53-5,60)	7,00 (2,16-8,20)	10,55 (2,9-13)	14,00 (4,76-14,58)	16,00 (4,80-16,7)
Rated heating capacity (min.-max.)	kW	4,20 (1,24-5,30)	5,60 (1,40-6,20)	8,00 (1,98-9,30)	11,15 (2,6-13,5)	16,00 (3,78-16,15)	17,00 (4,90-18,50)
Rated cooling capacity (min.-max.)	Btu/h	12.000 (4.600-15.000)	18.000 (5.200-19.100)	24.000 (7.400-28.000)	36.000 (9.800-44.300)	48.000 (16.241-56.298)	55.000 (16.241-59.710)
Rated heating capacity (min.-max.)	Btu/h	14.300 (4.200-18.100)	19.100 (4.800-21.200)	27.300 (6.800-31.700)	38.000 (8.800-46.000)	55.000 (16.309-55.104)	58.000 (16.308-63.122)
SEER/SCOP		6,2/4,1	6,3/4,0	6,5/4,2	6,1/4,0	6,1/4,0	6,1/4,0
Energy Efficiency Class cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Rated power consumption - cooling (min.-max.)	kW	1,08 (0,26-1,60)	1,63 (0,47-2,30)	2,18 (0,67-3,56)	3,4 (0,71-4,71)	5,20 (1,71-6,7)	6,10 (1,71-6,8)
Rated current consumption - cooling (min.-max.)	A	4,74 (1,1-5,76)	7,16 (2,25-10,10)	9,57 (3,21-15,63)	15 (3,2-21,5)	22,6 (7,4-28,6)	26,5 (7,4-29,1)
Rated power consumption - heating (min.-max.)	kW	1,23 (0,19-1,51)	1,73 (0,46-2,25)	2,10 (0,65-3,62)	3,45 (0,47-4,13)	5,40 (1,71-6,8)	5,80 (1,71-7,1)
Rated current consumption - heating (min.-max.)	A	5,40 (0,78-6,6)	7,60 (2,20-9,88)	9,22 (3,11-15,9)	15,5 (2,43-18)	23,4 (7,4-29,1)	25,2 (7,4-29,5)
Maximum power consumption	kW	2,1	2,4	3,65	5,37	6,8	6,9
Maximum current consumption	A	11	12	16	23,5	27	27
Liquid pipe diameter	in/mm	1/4"/6,35	1/4"/6,35	3/8"/9,52	3/8"/9,52	3/8"/9,52	3/8"/9,52
Gas pipe diameter	in/mm	1/2"/12,7	1/2"/12,7	5/8"/15,88	5/8"/15,88	3/4"/19,05	3/4"/19,05
Indoor unit		RZGNK35	RZGNK50	RZGNK70	RZGNK100	RZGNK140	RZGNK160
Body name		RZGBK35	RZGBK50	RZGBK70	RZGBK100	RZGBK140	RZGBK160
Panel name		PKR50	PKR50	PKR160	PKR160	PKR160	PKR160
Power supply	V~,Hz,Phases	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
Supply wires	mm ²	2x1,0+T	2x1,0+T	2x1,0+T	2x1,0+T	2x1,0+T	2x1,0+T
Connection wires	mm ²	2x0,1	2x0,2	2x0,2	2x0,2	2x0,2	2x0,2
Body dimensions (WXHXD)	mm	570x260x570	570x260x570	835x250x835	835x290x835	835x290x835	835x290x835
Panel dimensions (WXHXD)	mm	650x55x650	650x55x650	950x55x950	950x55x950	950x55x950	950x55x950
Body weight	kg	17	17	24	26,5	31	31
Panel weight	kg	2,2	2,2	5,3	5,3	5,3	5,3
Air flow H/M/L	m ³ /h	700/600/530	700/600/530	1300/1050/950	1800/1550/1350	1950/1750/1500	1950/1750/1500
Sound pressure level H/M/L	dB(A)	45/44/36	45/44/36	47/43/38	51/48/45	54/52/50	54/52/50
Sound power level	dB(A)	56	56	57	62	65	65
Outdoor unit		RZGT35	RZGT50	RZGT70	RZGT100	RZGT140	RZGT160
Power supply	V~,Hz,Phases	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	380~415,50,3	380~415,50,3
Supply wires	mm ²	2x2,5+T	2x2,5+T	2x6,0+T	2x6,0+T	4x1,5+T	4x1,5+T
Dimensions (WXHXD)	mm	800x545x315	800x545x315	900x700x350	970x805x395	940x1325x370	940x1325x370
Weight	kg	35	37	51	72	100	100
Sound pressure level	dB(A)	54	55	58	57	60	60
Sound power level	dB(A)	63	64	67	68	70	70
Refrigerant type (GWP)*	kg	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
Refrigerant quantity R32		0,9	1,16	1,4	1,6	3,6	3,6
tCO ₂ eq.		0,61	0,78	0,95	1,08	2,43	2,43
Maximum discharge pressure	MPa	4,2	4,2	4,2	4,2	4,2	4,2
Maximum intake pressure	MPa	1,15	1,15	1,15	1,15	1,15	1,15
Maximum lenght of the circuit	m	25	30	50	65	65	65
Maximum height difference	m	10	20	25	30	30	30
Pre-charge refrigerant	m	8	8	8	8	8	8

*these air conditioners contain fluorinated greenhouse gases, covered by Kyoto protocol

Mono Split ceiling/floor indoor units



SUPPLIED



OPTIONAL



Connection flexibility

Gas and electrical connections can be made on the back, right and bottom sides (frontal view, floor installation) with die-cutting punctures.

Air swing

Vertical and horizontal swing allows air to blow to every corner of the room.



Innovative double centrifugal fan

All units are equipped with 3-speed fan that, adjusting the air flow rate in accordance with the actual need, provides larger air volume with lower noise.



Compact dimensions

The indoor unit is only 205 mm deep and this allows the installation in small spaces.



Flexible installation

The indoor unit can be vertically installed against the wall or horizontally installed on the ceiling.



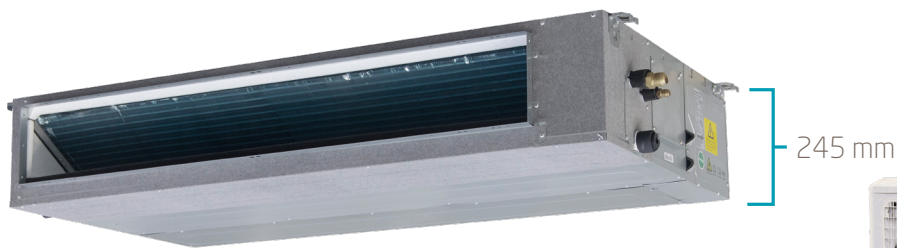
Technical data

Mono Split ceiling/floor indoor units

		18.000 Btu/h	24.000 Btu/h	36.000 Btu/h	48.000 Btu/h	60.000 Btu/h
Rated cooling capacity (min.-max.)	kW	5,00 (1,53-5,60)	7,00 (2,16-8,20)	10,55 (2,9-13)	14,0 (4,76-16,50)	16,00 (4,76-17,5)
Rated heating capacity (min.-max.)	kW	5,60 (1,40-6,20)	8,00 (1,98-9,30)	11,15 (2,6-13,5)	16,00 (4,78-16,15)	17,00 (4,78-18,50)
Rated cooling capacity (min.-max.)	Btu/h	18.000(5.200-19.100)	24.000(7.400-28.000)	36.000 (9.800-44.300)	48.000(16.241-56.298)	55.000(16.241-59.710)
Rated heating capacity (min.-max.)	Btu/h	19.100(4.800-21.200)	27.300(6.800-31.700)	38.000 (8.800-46.000)	55.000(16.309-55.104)	58.000(16.308-63.122)
SEER/SCOP		6,1/4,1	6,3/4,1	6,1/4,0	6,1/4,0	6,1/4,0
Energy Efficiency Class cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Rated power consumption - cooling (min.-max.)	kW	1,63 (0,47-2,30)	2,25 (0,67-3,56)	3,4 (0,71-4,71)	5,3 (1,71-6,7)	6,11 (1,71-6,8)
Rated current consumption - cooling (min.-max.)	A	7,16 (2,25-10,10)	9,88 (3,21-15,63)	15 (3,2-21,5)	23,6 (7,4-28,6)	26,5 (7,4-29,1)
Rated power consumption - heating (min.-max.)	kW	1,73 (0,46-2,25)	2,10 (0,65-3,62)	3,45 (0,47-4,13)	5,5 (1,71-6,8)	5,90 (1,71-7,1)
Rated current consumption - heating (min.-max.)	A	7,60 (2,20-9,88)	9,22 (3,11-15,90)	15,5 (2,43-18)	23,7 (7,4-29,1)	25,2 (7,4-29,5)
Maximum power consumption	kW	2,4	3,65	5,37	6,8	6,9
Maximum current consumption	A	12	16	23,5	27	27
Liquid pipe diameter	in/mm	1/4"/6,35	3/8"/9,52	3/8"/9,52	3/8"/9,52	3/8"/9,52
Gas pipe diameter	in/mm	1/2"/12,7	5/8"/15,88	5/8"/15,88	3/4"/19,05	3/4"/19,05
Indoor unit		RZGNC50	RZGNC70	RZGNC100	RZGNC140	RZGNC160
Power supply	V~,Hz,Phases	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
Supply wires	mm ²	2x1,0+T	2x1,0+T	2x1,0+T	2x1,0+T	2x1,0+T
Connection wires	mm ²	2x0,2	2x0,2	2x0,2	2x0,2	2x0,2
Dimensions (WXHXD)	mm	930×660×205	1280×660×205	1631×660×205	1631×660×205	1631×660×205
Weight	kg	25	32	44	44	44
Air flow H/M/L	m ³ /h	900/730/650	1300/1052/920	1800/1550/1350	1900/1600/1400	1900/1600/1400
Sound pressure level H/M/L	dB(A)	45/40/34	47/43/38	53/50/47	54/51/48	54/51/48
Sound power level	dB(A)	56	57	63	64	64
Outdoor unit		RZGT50	RZGT70	RZGT100	RZGT140	RZGT160
Power supply	V~,Hz,Phases	220~240,50,1	220~240,50,1	220~240,50,1	380~415,50,3	380~415,50,3
Supply wires	mm ²	2x2,5+T	2x6,0+T	2x6,0+T	4x1,5+T	4x1,5+T
Dimensions (WXHXD)	mm	800×545×315	900×700×350	970×805×395	940×1325×370	940×1325×370
Weight	kg	37	51	72	100	100
Sound pressure level	dB(A)	55	58	57	60	60
Sound power level	dB(A)	64	67	68	70	70
Refrigerant type (GWP)*	kg	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
Refrigerant quantity R32		1,16	1,4	1,6	3,6	3,6
tCO ₂ eq.		0,78	0,95	1,08	2,43	2,43
Maximum discharge pressure	MPa	4,2	4,2	4,2	4,2	4,2
Maximum intake pressure	MPa	1,15	1,15	1,15	1,15	1,15
Maximum lenght of the circuit	m	30	50	65	65	65
Maximum height difference	m	20	25	30	30	30
Pre-charge refrigerant	m	8	8	8	8	8

*these air conditioners contain fluorinated greenhouse gases, covered by Kyoto protocol

Mono Split duct indoor units



Slim design

Reduced height of only 245 mm helps the false ceiling installation.

SUPPLIED



OPTIONAL



Prevalence up to 160 Pa

The maximum prevalence of 160 Pa can be set from the remote control. It is possible to adjust the available prevalence of the indoor unit to the specific requirements of the installation.

Built-in condensate drain pump

The pump can evacuate the condensation by lifting the water up to 1200 mm higher than the condensation pan.

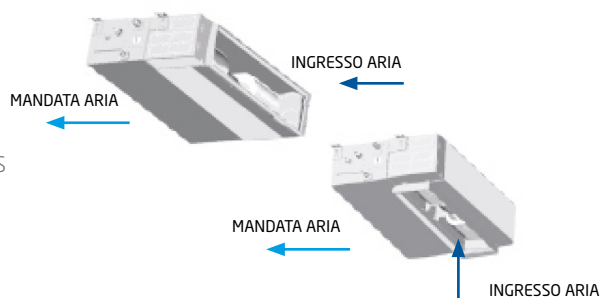


Fresh air intake

Mono Split models can operate also with primary air with connection of the back of the indoor unit (maximum 30% of fresh air intake). Fresh air makes indoor air healthy and comfortable.

Flexible air intake

Mono Split duct models allow air intake both from the back and the lower part of the indoor unit. When the product is bought, the lower air intake is closed with a cover that can be easily removed and fixed on the back to allow the air intake from below.



Technical data

Mono Split duct indoor units

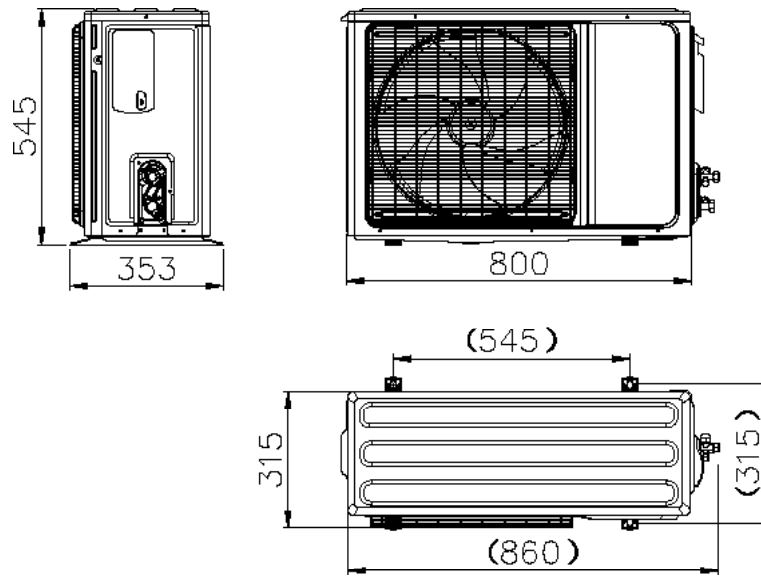
		18.000 Btu/h	24.000 Btu/h	36.000 Btu/h	48.000 Btu/h	60.000 Btu/h
Rated cooling capacity (min.-max.)	kW	5,00 (1,53-5,60)	7,00 (2,16-8,20)	10,55 (2,9-13)	14,0 (4,76-16,50)	16,00 (4,76-17,5)
Rated heating capacity (min.-max.)	kW	5,60 (1,40-6,20)	8,00 (1,98-9,30)	11,15 (2,6-13,5)	16,00 (4,78-16,15)	17,00 (4,78-18,50)
Rated cooling capacity (min.-max.)	Btu/h	18.000(5.200-19.100)	24.000(7.400-28.000)	36.000(9.800-44.300)	48.000(16.241-56.298)	55.000(16.241-59.710)
Rated heating capacity (min.-max.)	Btu/h	19.100(4.800-21.200)	27.300(6.800-31.700)	38.000(8.800-46.000)	55.000(16.309-55.104)	58.000(16.308-63.122)
SEER/SCOP		6,2/4,0	6,1/4,0	6,1/4,1	6,1/4,0	6,1/4,1
Energy Efficiency Class cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Rated power consumption - cooling (min.-max.)	kW	1,55 (0,47-2,30)	2,12 (0,67-3,56)	3,4 (0,71-4,71)	5,15 (1,71-6,6)	5,88 (1,71-6,7)
Rated current consumption - cooling (min.-max.)	A	6,73 (2,25-10,10)	9,23 (3,21-15,63)	15 (3,2-21,5)	22,4 (7,4-28,6)	25,5 (7,4-29,1)
Rated power consumption - heating (min.-max.)	kW	1,49 (0,46-2,25)	2,12 (0,65-3,62)	3,45 (0,47-4,13)	5,30 (1,71-6,7)	5,63 (1,71-6,8)
Rated current consumption - heating (min.-max.)	A	6,5 (2,20-9,88)	9,23 (3,11-15,90)	15,5 (2,43-18)	23,0 (7,4-29,1)	24,4 (7,4-29,5)
Maximum power consumption	kW	2,4	3,65	5,37	6,8	6,9
Maximum current consumption	A	12	16	23,5	27	27
Liquid pipe diameter	in/mm	1/4"/6,35	3/8"/9,52	3/8"/9,52	3/8"/9,52	3/8"/9,52
Gas pipe diameter	in/mm	1/2"/12,7	5/8"/15,88	5/8"/15,88	3/4"/19,05	3/4"/19,05
Indoor unit		RZGND50	RZGND70	RZGND100	RZGND140	RZGND160
Power supply	V~,Hz,Phases	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
Supply wires	mm ²	2x1,0+T	2x1,0+T	2x1,0+T	2x1,0+T	2x1,0+T
Connection wires	mm ²	2x0,2	2x0,2	2x0,2	2x0,2	2x0,2
Dimensions (WXHXD)	mm	1000x245x700	1000x245x700	1400x245x700	1400x245x700	1400x245x700
Weight	kg	31	32	42	46	46
Available prevalence	Pa	20 (0-160)	20 (0-160)	40 (0-160)	50 (0-160)	50 (0-160)
Air flow H/M/L	m ³ /h	1150/960/840	1400/1190/980	1900/1600/1400	2300/2000/1700	2300/2000/1700
Sound pressure level H/M/L	dB(A)	43/41/40	44/41/39	44/41/39	52/49/47	52/49/47
Sound power level	dB(A)	53	55	55	69	69
Outdoor unit		RZGT50	RZGT70	RZGT100	RZGT140	RZGT160
Power supply	V~,Hz,Phases	220~240,50,1	220~240,50,1	220~240,50,1	380~415,50,3	380~415,50,3
Supply wires	mm ²	2x2,5+T	2x6,0+T	2x6,0+T	4x1,5+T	4x1,5+T
Dimensions (WXHXD)	mm	800x545x315	900x700x350	970x805x395	940x1325x370	940x1325x370
Weight	kg	37	51	72	100	100
Sound pressure level	dB(A)	55	58	57	60	60
Sound power level	dB(A)	64	67	68	70	70
Refrigerant type (GWP)*	kg	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
Refrigerant quantity R32		1,16	1,4	1,6	3,6	3,6
tCO2 eq.		0,78	0,95	1,08	2,43	2,43
Maximum discharge pressure	MPa	4,2	4,2	4,2	4,2	4,2
Maximum intake pressure	MPa	1,15	1,15	1,15	1,15	1,15
Maximum length of the circuit	m	30	50	65	65	65
Maximum height difference	m	20	25	30	30	30
Pre-charge refrigerant	m	8	8	8	8	8

*these air conditioners contain fluorinated greenhouse gases, covered by Kyoto protocol

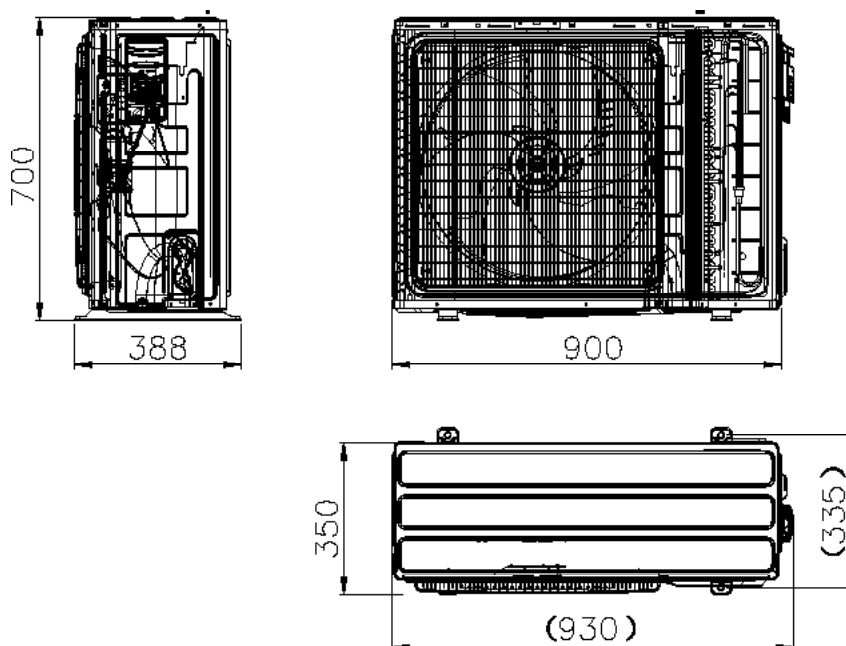
Technical drawings

Mono Split outdoor units

RZGT35-50



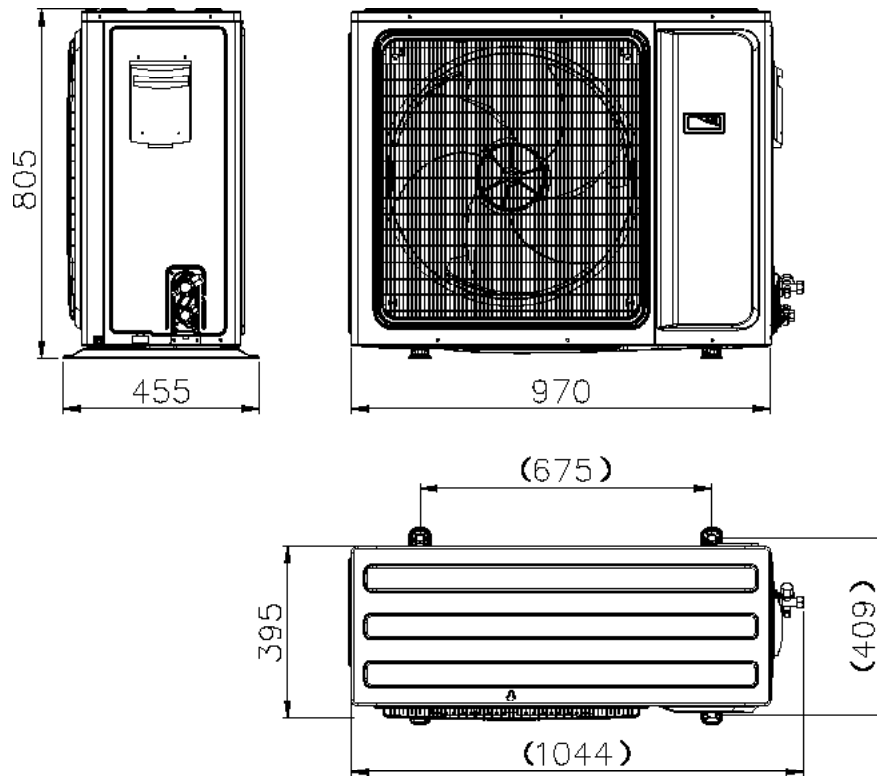
RZGT70



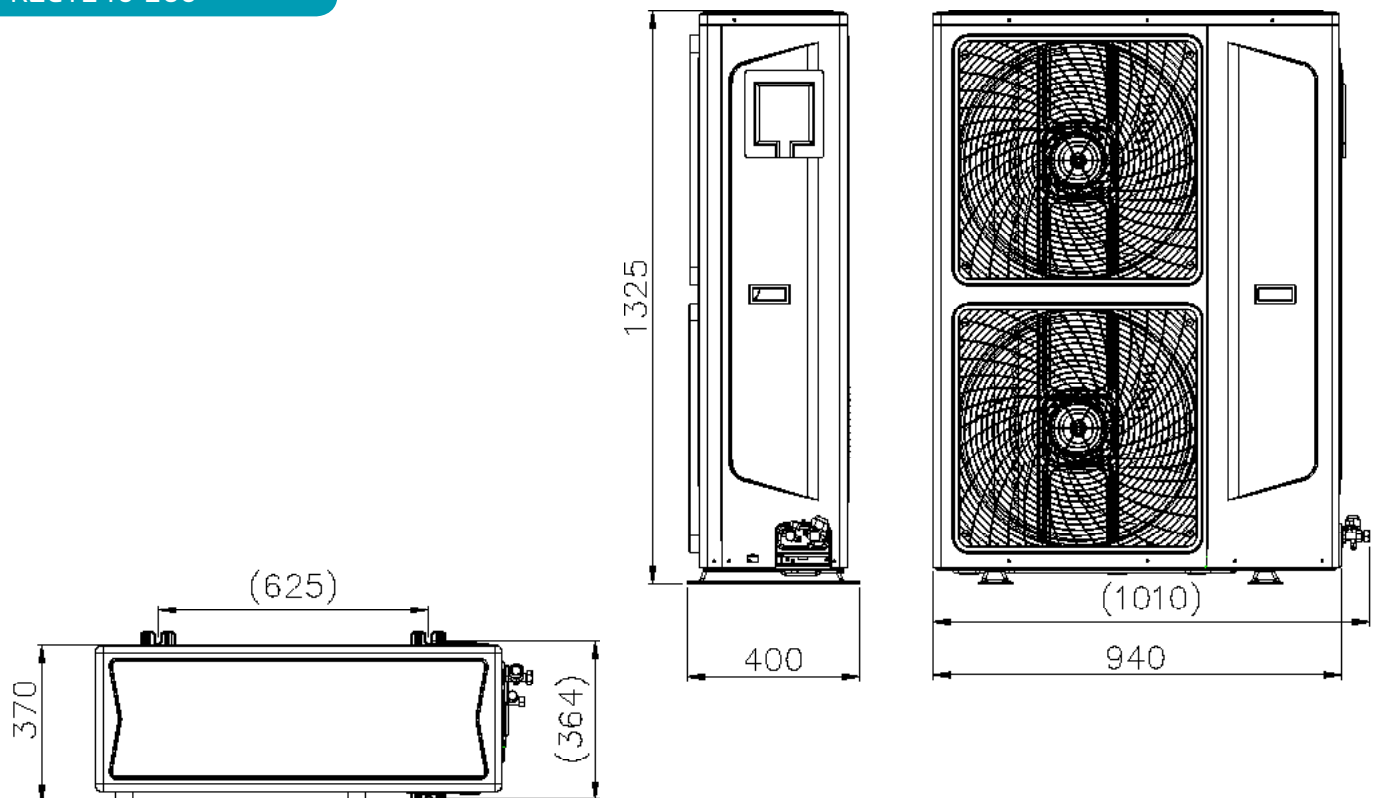
Technical drawings

Mono Split outdoor units

RZGT100



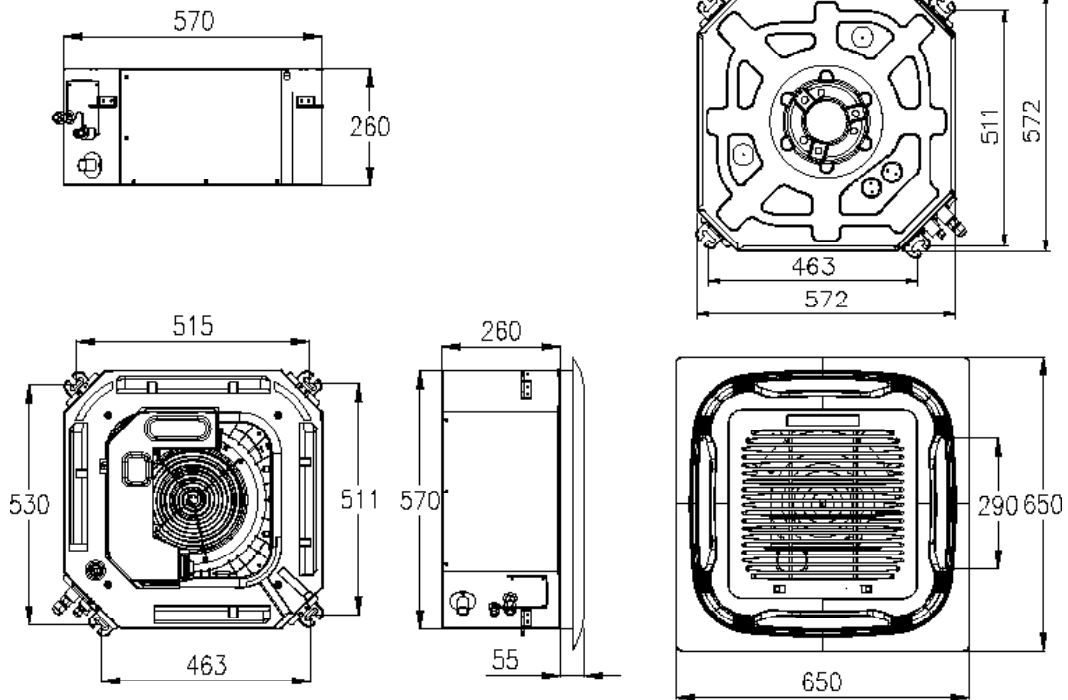
RZGT140-160



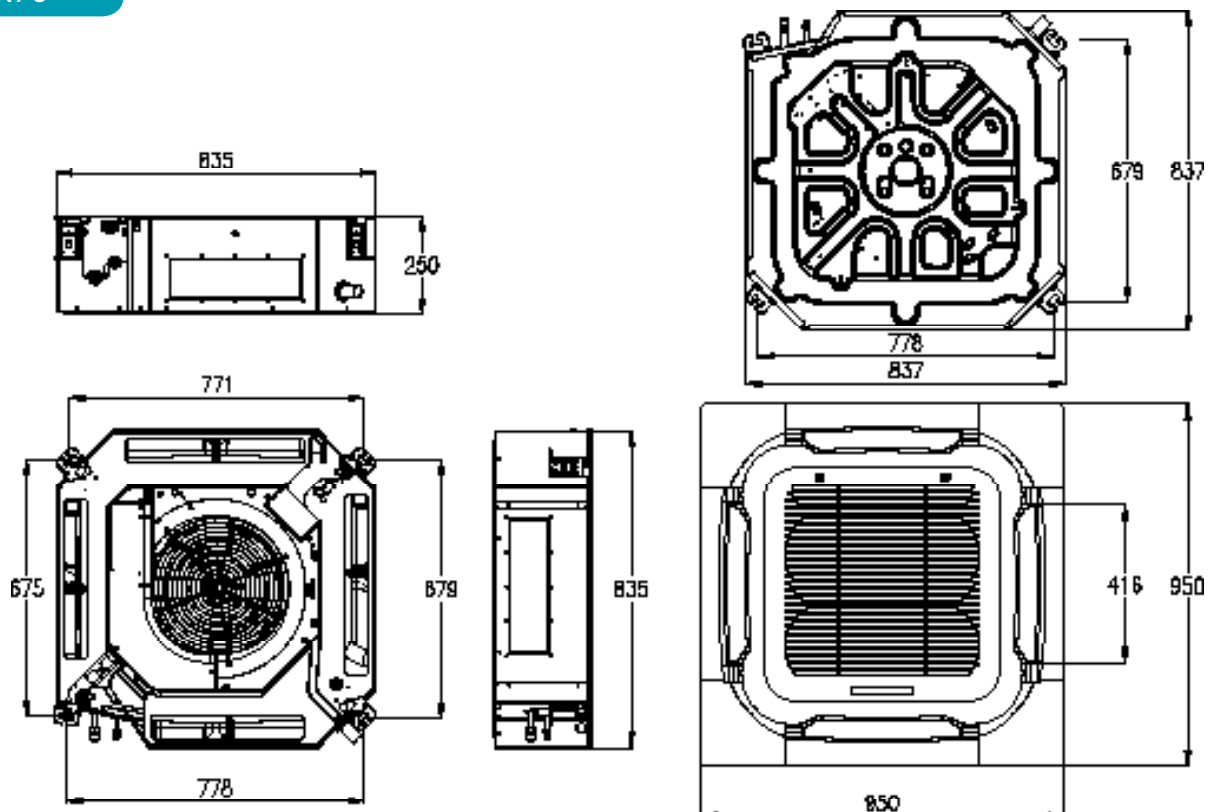
Technical drawings

Mono Split cassette indoor units

RZGBK35-50



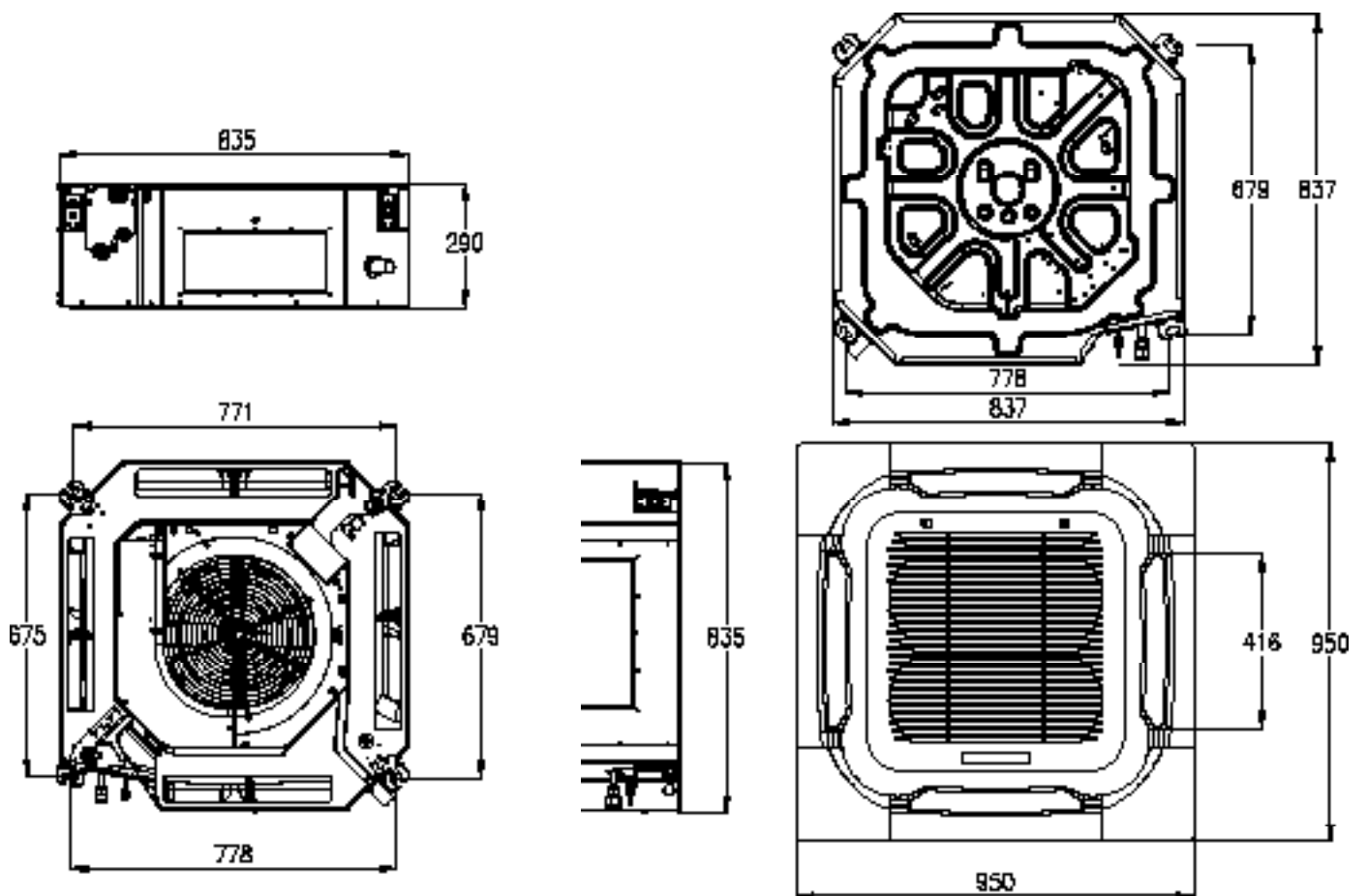
RZGBK70



Technical drawings

Mono Split cassette indoor units

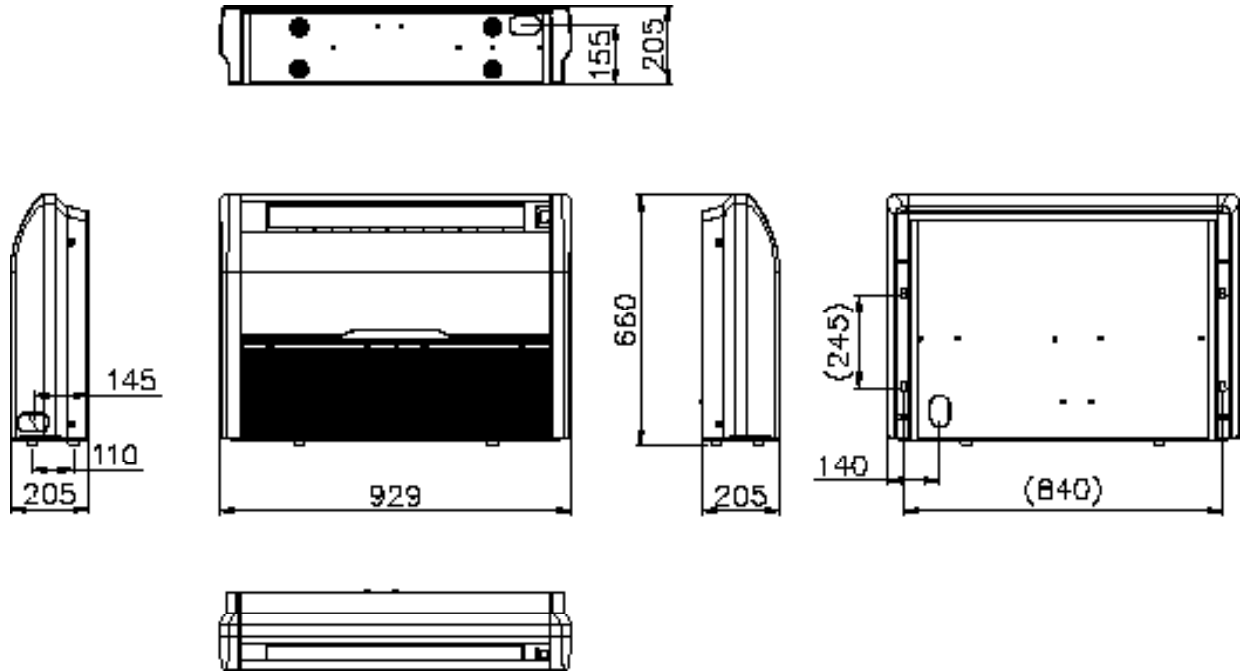
RZGBK100-140-160



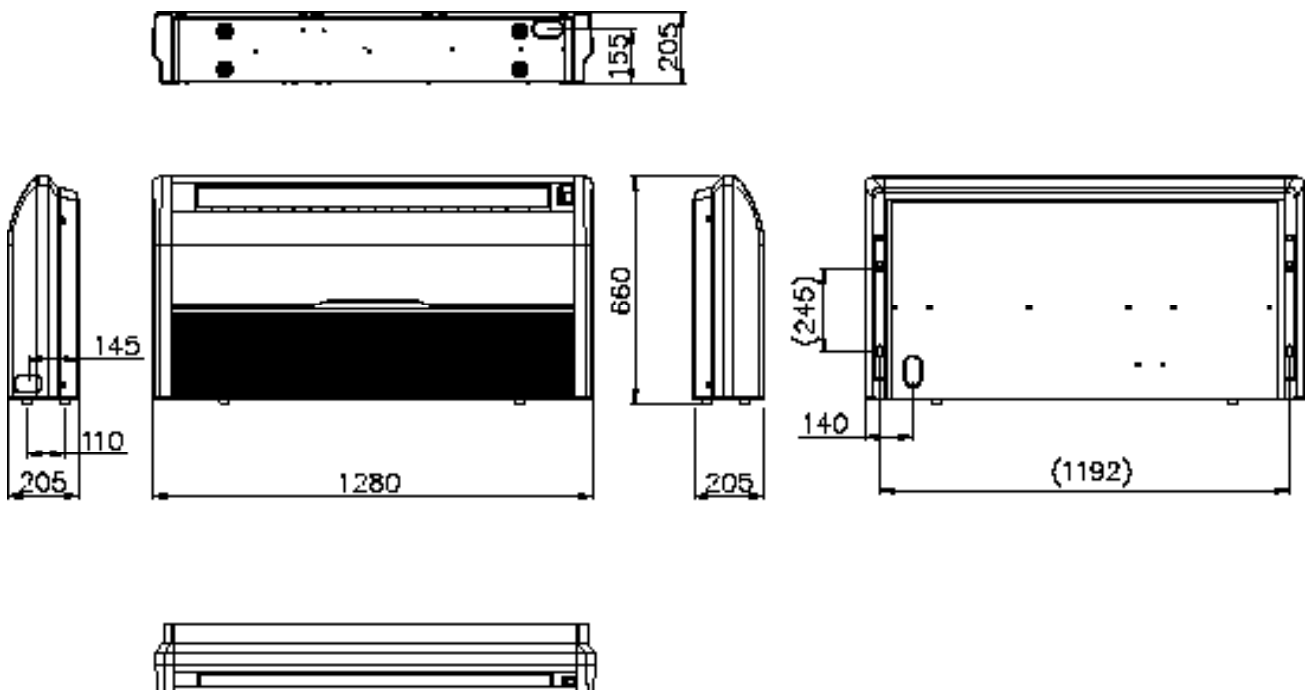
Technical drawings

Mono Split ceiling/floor indoor units

RZGNC50



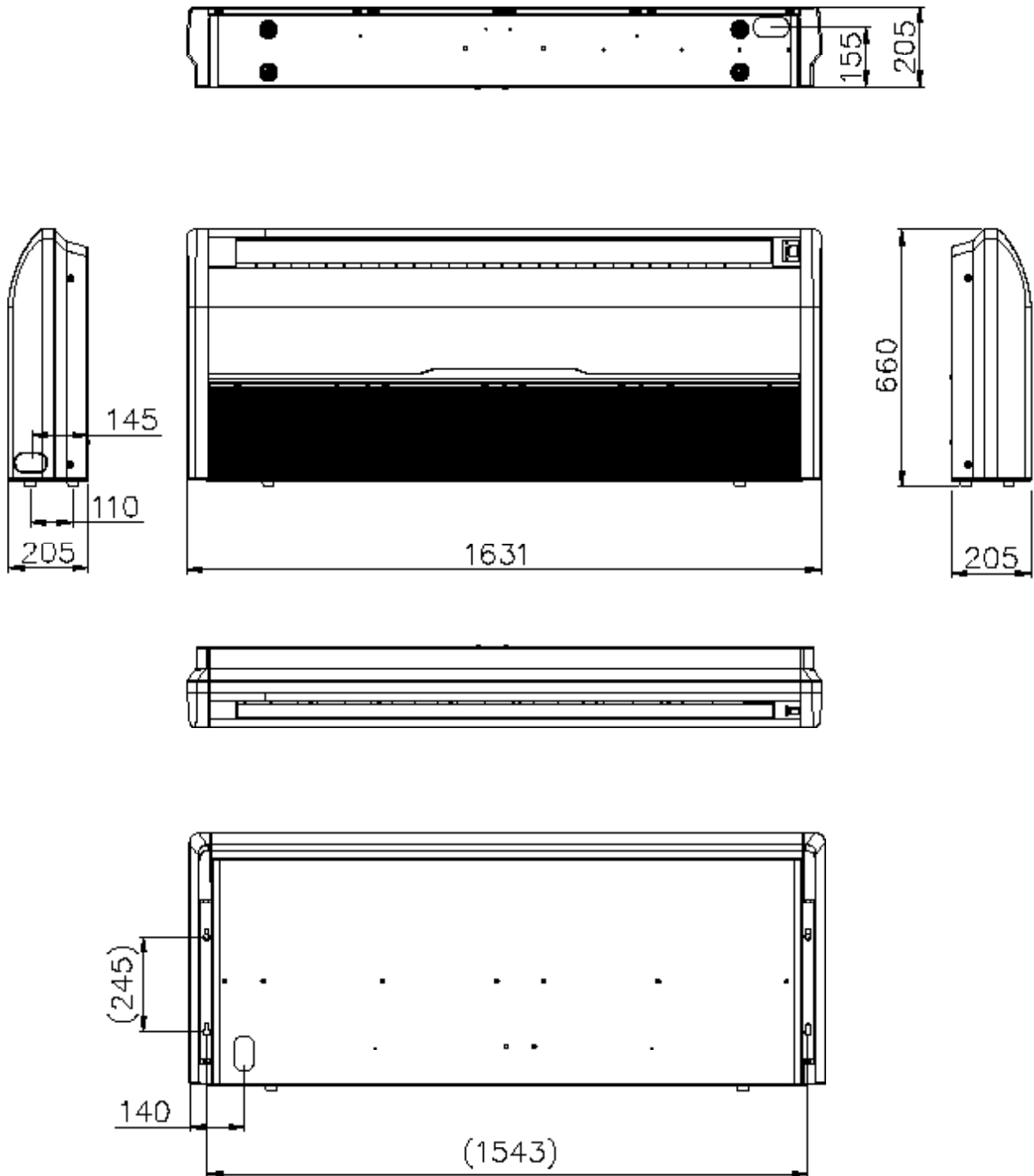
RZGNC70



Technical drawings

Mono Split ceiling/floor indoor units

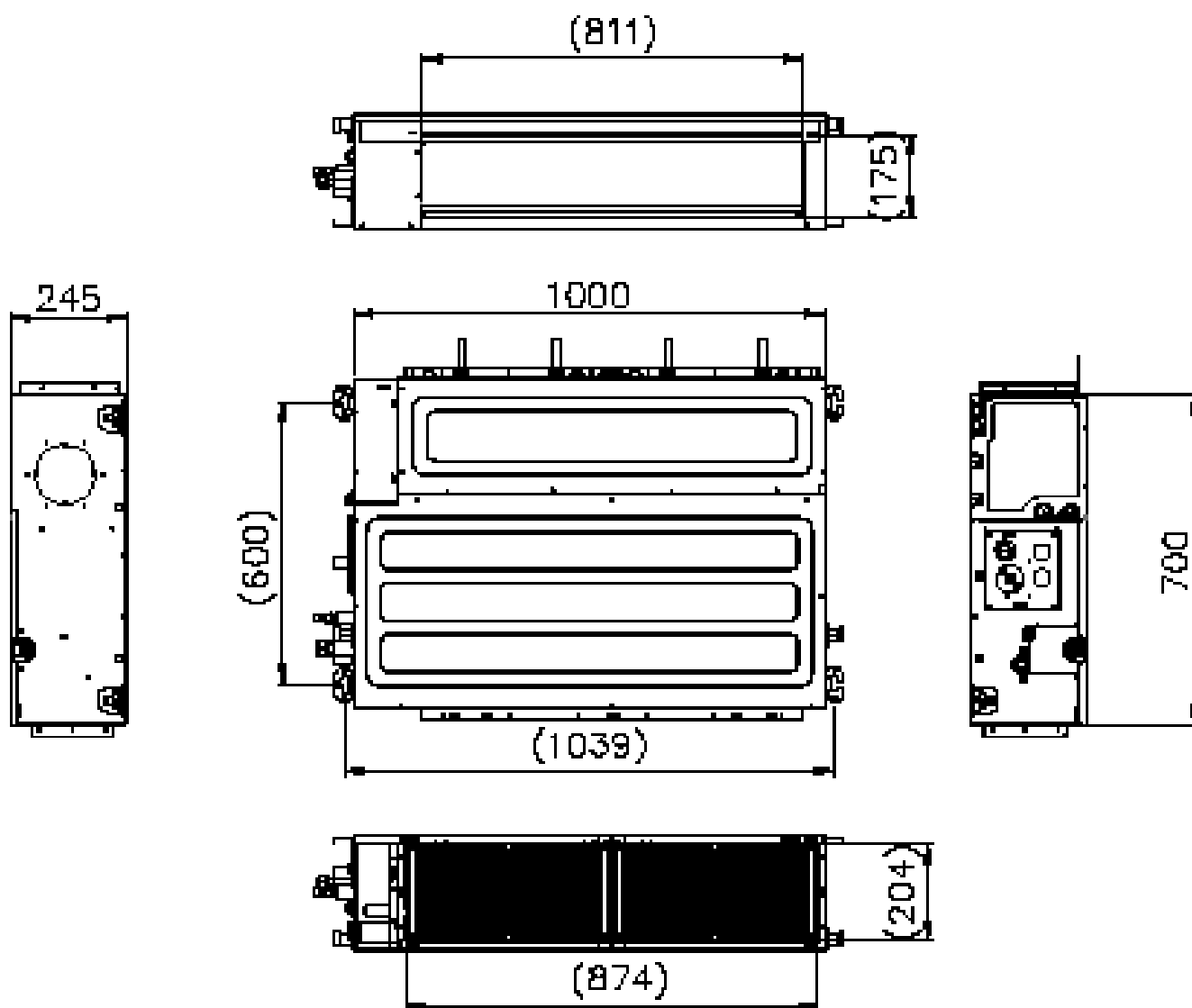
RZGNC100-140-160



Technical drawings

Mono Split duct indoor units

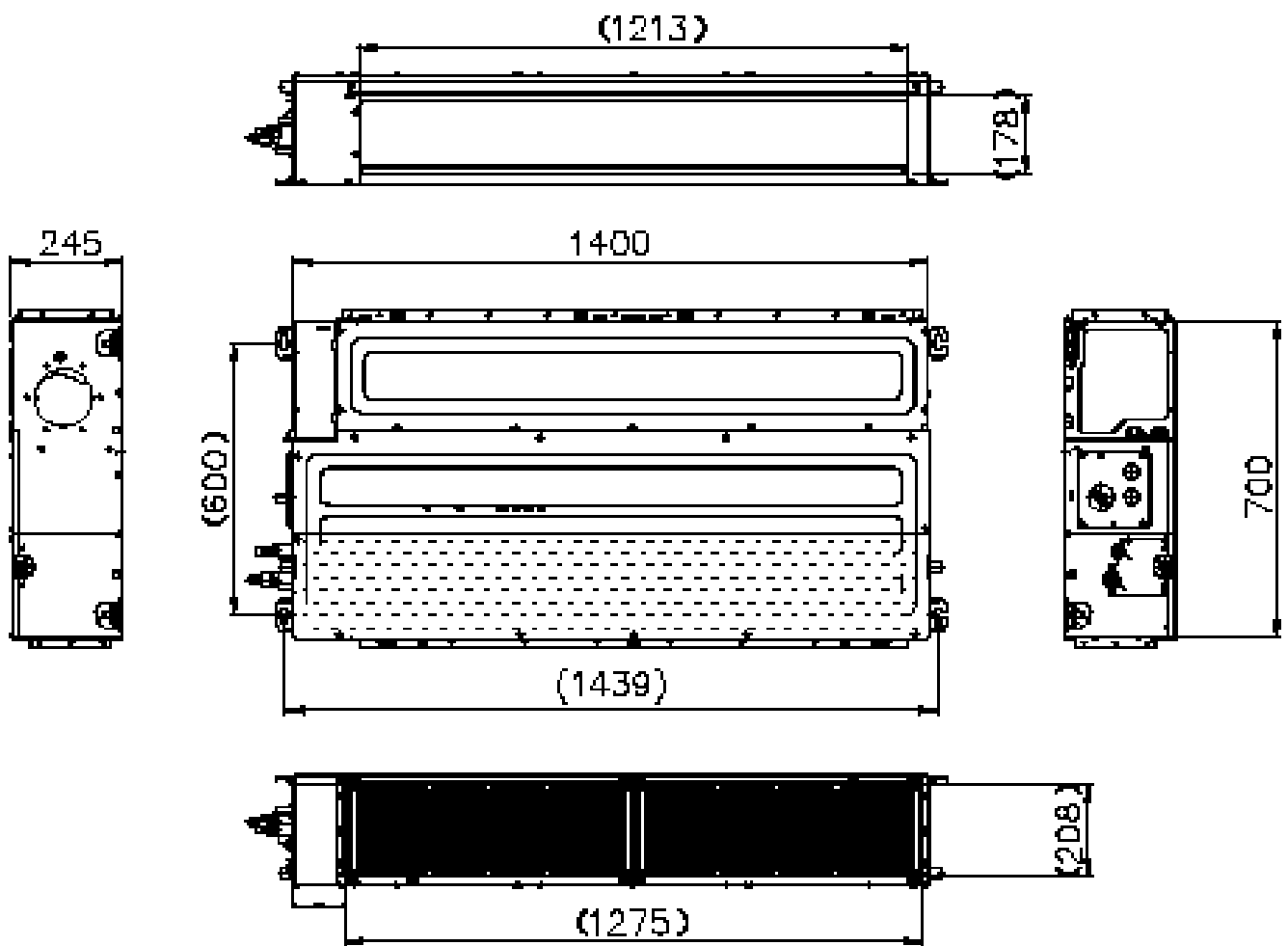
RZGND50-70



Technical drawings

Mono Split duct indoor units

RZGND100-140-160



Multi Split indoor units

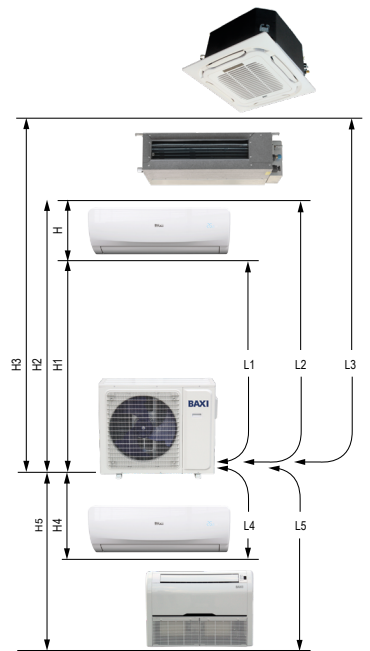


Space saving

A single outdoor unit can manage up to 5 indoor units (free match among wall-hung, cassette, ceiling/floor and duct indoor units) and this save outdoor installation space. On the other hand, every indoor unit can be controlled singularly.

Installation flexibility

The maximum length of the circuit piping can reach up to 80 meters (one way), while the maximum height difference between the outdoor unit and every indoor unit is 15 meters. This ensure an easy, flexible and affordable installation.

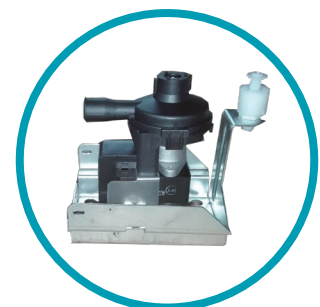


Flexibility in indoor units combination

It is possible to combine the outdoor unit with all the indoor units; the number and the maximum output must be respected (see possible combinations on page 6).

Built-in condensate drain pump (cassette and duct models)

The pump can evacuate the condensation by lifting the water up to 1200 mm higher than the condensation pan.



Technical data

Multi Split outdoor units

		14.000 Btu/h	18.000 Btu/h	21.000 Btu/h	27.000 Btu/h	36.000 Btu/h	42.000 Btu/h
Model		LSGT40-2M	LSGT50-2M	LSGT60-3M	LSGT70-3M	LSGT100-4M	LSGT125-5M
Maximum number of indoor units		2	2	3	3	4	5
Rated cooling capacity (min.-max.)	kW	4,10 (1,80-4,51)	5,30 (2,00-5,83)	6,20 (2,20-6,71)	7,90 (2,30-8,69)	10,50 (2,50-11,00)	12,00 (2,77-12,70)
Rated heating capacity (min.-max.)	kW	4,80 (2,05-5,28)	5,60 (2,21-6,16)	6,60 (2,39-7,26)	8,20 (2,45-9,02)	11,00 (2,67-11,20)	13,00 (2,96-13,10)
Rated cooling capacity (min.-max.)	Btu/h	14.000 (6.100-15.400)	18.100 (6.800-19.900)	21.100 (7.500~22.900)	27.000 (7.800~29.700)	35.800 (8.500~37.500)	41.000 (9.400~43.300)
Rated heating capacity (min.-max.)	Btu/h	16.400 (7.000-18.000)	19.100 (7.500-21.000)	22.500 (8.200~24.800)	28.000 (8.400~30.800)	37.500 (9.100~38.200)	44.400 (10.100~44.800)
SEER/SCOP		6.15/4.05	7.08/4.06	6.45/4.39	6.29/4.04	6.20/4.00	6.10/4.00
Energy Efficiency Class cooling/heating		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Rated power consumption - cooling (min.-max.)	kW	1,24 (0,20-2,1)	1,75 (0,28-2,30)	1,92 (0,35-2,80)	2,46 (0,56-3,40)	3,95 (0,68-4,93)	4,45 (0,75-5,45)
Rated current consumption - cooling (min.-max.)	A	5,4	7,6	8,3	10,7	17,50	19,72
Rated power consumption - heating (min.-max.)	kW	1,15 (0,20-2,10)	1,54 (0,28-2,30)	1,78 (0,35-2,80)	2,27 (0,56-3,40)	3,15 (0,53-3,85)	3,75 (0,60-4,35)
Rated current consumption - heating (min.-max.)	A	5	6,7	7,8	9,8	13,96	16,62
Maximum power consumption	kW	2,1	2,3	2,8	3,4	5,30	5,60
Maximum current consumption	A	10	11	13	16	23,5	24,5
Power supply	V-,Hz,Phase	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1
Sound pressure level	dB(A)	54	55	56	58	61	61
Sound power level	dB(A)	61	62	65	65	68	68
Supply wires	mm ²	3x1,5+T	3x1,5+T	3x1,5+T	3x1,5+T	3x1,5+T	3x1,5+T
Connection wires	mm ²	2x2,5+T	2x2,5+T	2x2,5+T	2x4,0+T	2x4,0+T	2x4,0+T
Dimensions (WXHXD)	mm	800/545/315	800/545/315	834/655/328	834/655/328	985/808/395	985/808/395
Weight	kg	34	36	44	46	74	75
Liquid pipe diameter	mm/in	2x6,35(1/4)	2x6,35(1/4)	3x6,35(1/4)	3x6,35(1/4)	4x6,35(1/4)	5x6,35(1/4)
Gas pipe diameter	mm/in	2x9,52(3/8)	2x9,52(3/8)	3x9,52(3/8)	3x9,52(3/8)	4x9,52(3/8)	5x9,52(3/8)
Refrigerant type (GWP)*		R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
Refrigerant quantity R32	kg	0.92	0.95	1.10	1.05	2.30	2.30
tCO ₂ eq.		0,621	0,641	0,742	0,709	1,552	1,552
Maximum length of the pipes to each indoor unit	m	25	25	30	30	35	35
Maximum cooling circuit length	m	40	40	60	60	80	80
Maximum height difference between outdoor unit and indoor units	m	15	15	15	15	15	15
Maximum height difference between indoor units	m	10	10	10	10	10	10
Pre-charge refrigerant	m	15	15	22,5	22,5	30	37,5

*these air conditioners contain fluorinated greenhouse gases, covered by Kyoto protocol

SUPPLIED



Multi Split wall-hung indoor units

		7.000 Btu/h	9.000 Btu/h	12.000 Btu/h	18.000 Btu/h
Model		LSGNW20	LSGNW25	LSGNW35	LSGNW50
Rated cooling capacity (min.-max.)	kW	2,05 (1,13-2,70)	2,55 (1,00-3,30)	3,60 (1,20-3,80)	5,30 (1,90-5,50)
Rated heating capacity (min.-max.)	kW	2,15 (0,98-2,50)	2,65 (1,10-3,30)	3,70 (1,00-3,80)	5,40 (1,40-5,60)
Rated cooling capacity (min.-max.)	Btu/h	7.200 (3.900-9.200)	8.700 (3.400~11.300)	12.300 (4.100~13.000)	18.100 (6.500~18.800)
Rated heating capacity (min.-max.)	Btu/h	7.500 (3.300-8.500)	9.000 (3.700~11.300)	12.600 (3.400~13.000)	18.400 (4.800~19.000)
Air flow volume	m ³ /h	650	650	650	1000
Sound pressure level	dB(A)	40	41	42	48
Sound power level	dB(A)	51	53	53	58
Dimensions (WXHxD)	mm	800/300/198	800/300/198	800/300/198	970/315/235
Weight	kg	9	9	9	12.5
Liquid pipe diameter	mm/in	1/4"/6,35	1/4"/6,35	1/4"/6,35	1/4"/6,35
Gas pipe diameter	mm/in	3/8"/9,52	3/8"/9,52	3/8"/9,52	1/2"/12,7

SUPPLIED

OPTIONAL



Multi Split cassette indoor units

		9.000 Btu/h	12.000 Btu/h	18.000 Btu/h
Model		LSGNK25-XM	LSGNK35-XM	LSGNK50-XM
Body name		LSGBK25-XM	LSGBK35-XM	LSGBK50-XM
Pannel name		PKR50	PKR50	PKR50
Rated cooling capacity (min.-max.)	kW	2,80 (1,50-3,55)	3,60 (1,70-3,70)	5,00 (2,50-5,60)
Rated heating capacity (min.-max.)	kW	3,00 (1,60-3,81)	3,90 (2,03-4,42)	5,60 (3,03-7,03)
Rated cooling capacity (min.-max.)	Btu/h	9.600 (5.100-12.100)	12.300 (5.800-12.600)	17.100 (8.500-19.100)
Rated heating capacity (min.-max.)	Btu/h	10.200 (5.500-13.000)	13.300 (6.900-15.100)	19.100 (10.300-24.000)
Air flow	m ³ /h	700/600/530	700/600/530	700/600/530
Sound pressure level H/M/L	dB(A)	45/41/35	45/41/35	45/41/35
Sound power level	dB(A)	56	56	56
Body dimensions (WXHxD)	mm	570x260x570	570x260x570	570x260x570
Panel dimensions (WXHxD)	mm	650x55x650	650x55x650	650x55x650
Body weight	kg	18	18	18
Panel weight	kg	2,2	2,2	2,2
Liquid pipe diameter	mm/in	1/4"/6,35	1/4"/6,35	1/4"/6,35
Gas pipe diameter	mm/in	1/2"/12,7	1/2"/12,7	1/2"/12,7

Multi Split ceiling/floor indoor units


SUPPLIED

OPTIONAL

		9.000 Btu/h	12.000 Btu/h	18.000 Btu/h
Model		LSGNC25-XM	LSGNC35-XM	LSGNC50-XM
Rated cooling capacity (min.-max.)	kW	2,80 (1,50-3,55)	3,60 (1,70-3,70)	5,30 (2,50-5,60)
Rated heating capacity (min.-max.)	kW	3,00 (1,60-3,81)	3,90 (2,03-4,42)	5,80 (3,03-7,03)
Rated cooling capacity (min.-max.)	Btu/h	9.600 (5.100-12.100)	12.300 (5.800-12.600)	18.100 (8.500-19.100)
Rated heating capacity (min.-max.)	Btu/h	10.200 (5.500-13.000)	13.300 (6.900-15.100)	19.800 (10.300-24.000)
Air flow	m ³ /h	750/600/500	750/600/500	850/700/600
Sound pressure level H/M/L	dB(A)	39/36/30	39/36/30	45/42/40
Sound power level	dB(A)	55	55	59
Dimensions (WXHxD)	mm	929x660x205	929x660x205	929x660x205
Weight	kg	26	26	26
Liquid pipe diameter	mm/in	1/4"/6,35	1/4"/6,35	1/4"/6,35
Gas pipe diameter	mm/in	1/2"/12,7	1/2"/12,7	1/2"/12,7

Multi Split duct indoor units


SUPPLIED

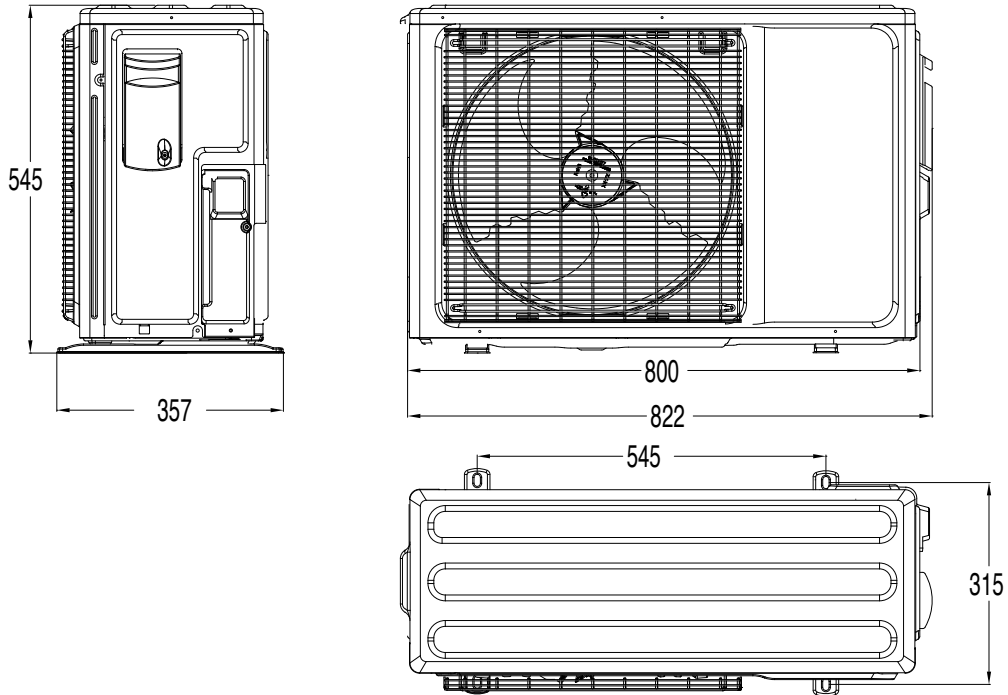
OPTIONAL

		9.000 Btu/h	12.000 Btu/h	18.000 Btu/h
Model		LSGND25-XM	LSGND35-XM	LSGND50-XM
Rated cooling capacity (min.-max.)	kW	2,60 (1,50-3,55)	3,60 (1,71-3,85)	5,10 (2,50-5,80)
Rated heating capacity (min.-max.)	kW	2,90 (1,70-3,65)	4,00 (1,90-3,92)	5,80 (2,84-6,40)
Rated cooling capacity (min.-max.)	Btu/h	8.900 (5.100-12.100)	12.300 (5.800-13.140)	17.400 (8.500-19.800)
Rated heating capacity (min.-max.)	Btu/h	9.900 (5.800-12.400)	13.700 (6.500-14.400)	19.800 (9.700-21.800)
Air flow	m ³ /h	600/450/380	680/560/450	860/660/600
Sound pressure level H/M/L	dB(A)	35/31/28	38/34/31	42/38/36
Sound power level	dB(A)	53	53	55
Dimensions (WXHxD)	mm	700x200x470	700x200x470	1000x200x470
Available prevalence	Pa	10	10	10
Weight	kg	18,5	18,5	24
Liquid pipe diameter	mm/in	1/4"/6,35	1/4"/6,35	1/4"/6,35
Gas pipe diameter	mm/in	1/2"/12,7	1/2"/12,7	1/2"/12,7

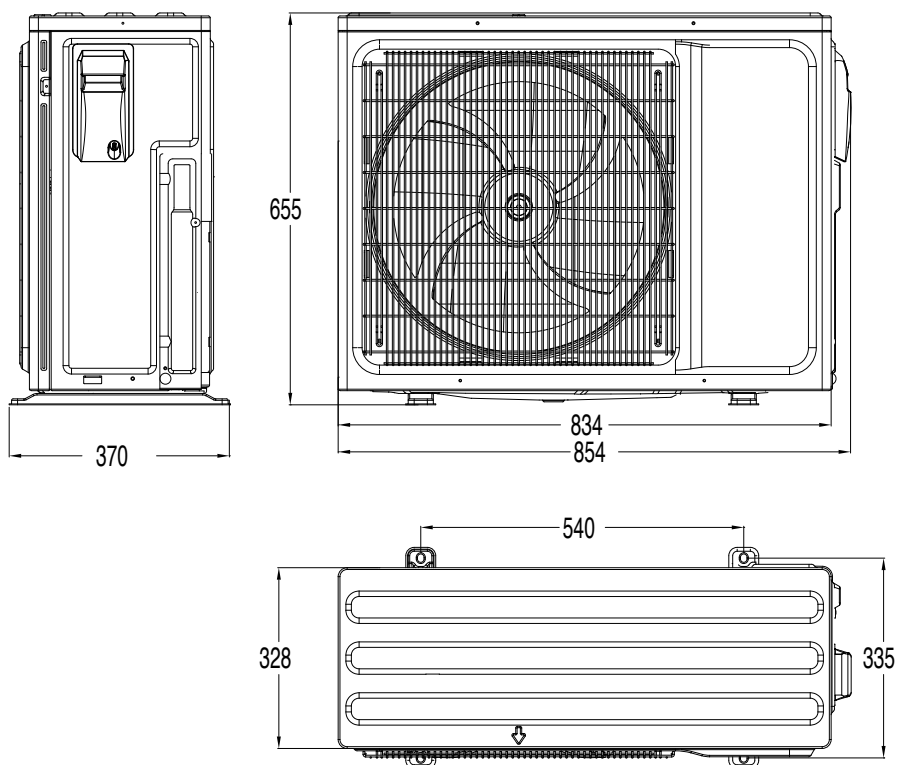
Technical drawings

Multi Split outdoor units

LSGT35-2M/LSGT50-2M



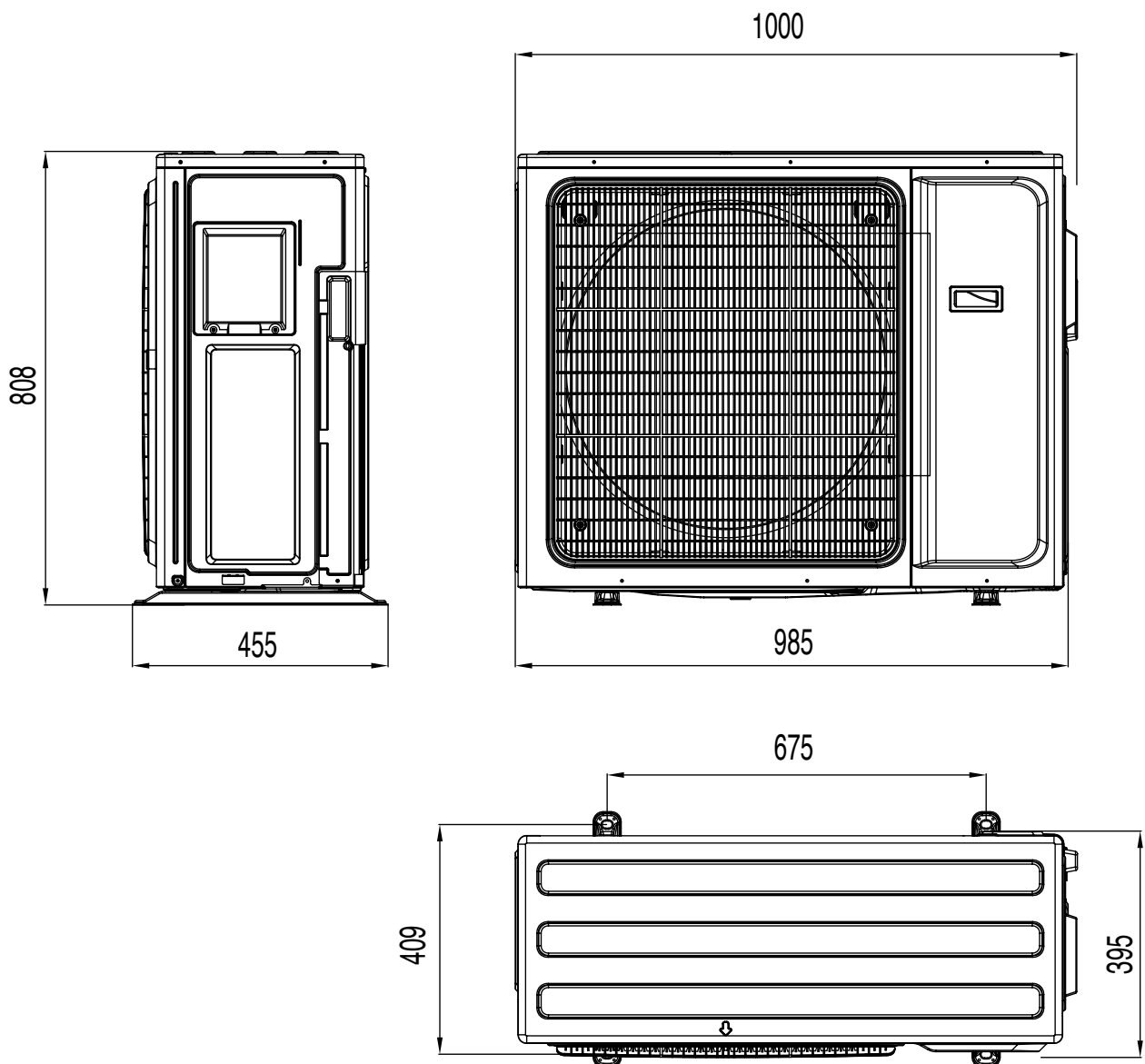
LSGT60-3M/LSGT70-3M



Technical drawings

Multi Split wall-hung indoor units

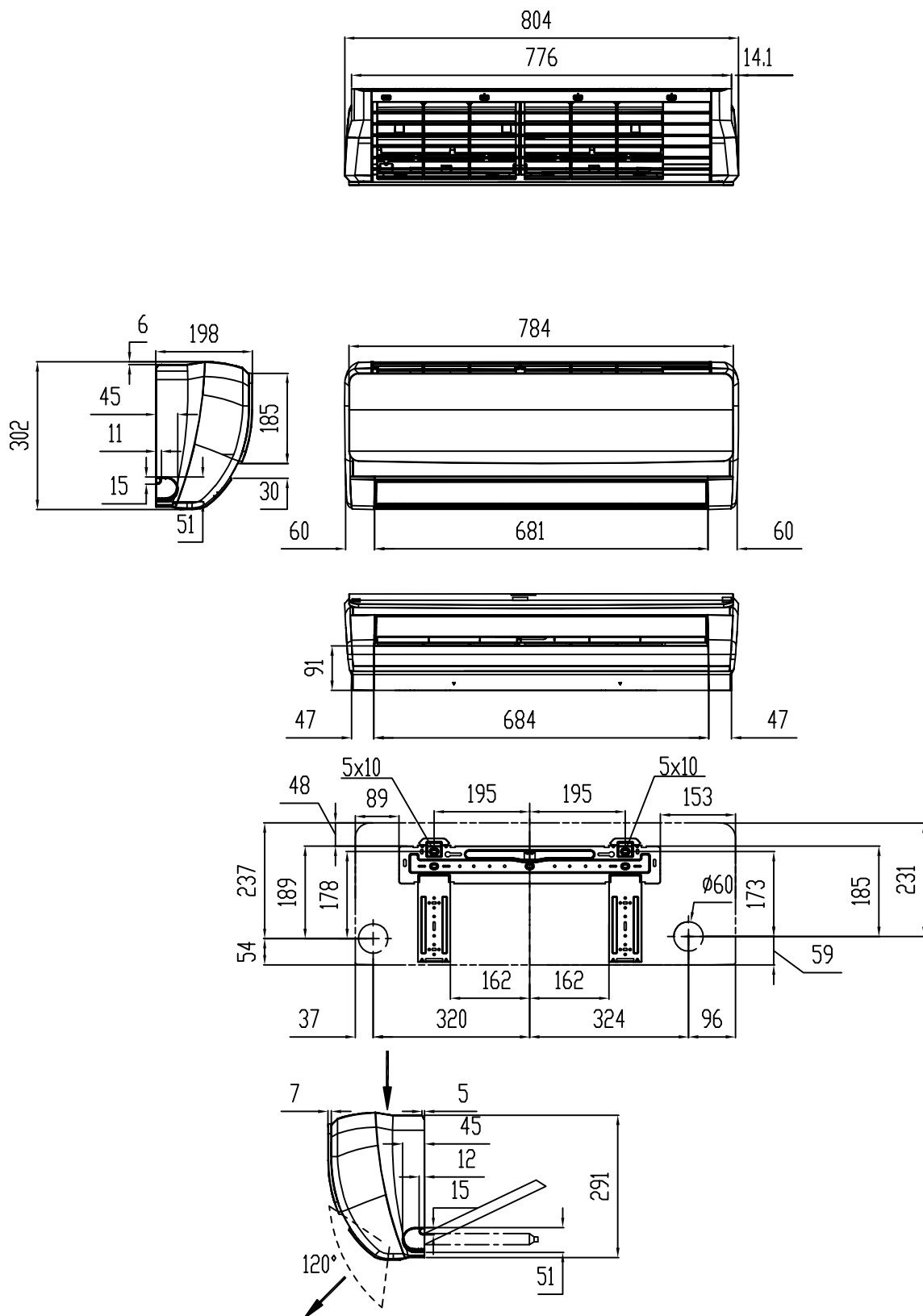
LSGT100-4M/LSGT125-5M



Technical drawings

Multi Split wall-hung indoor units

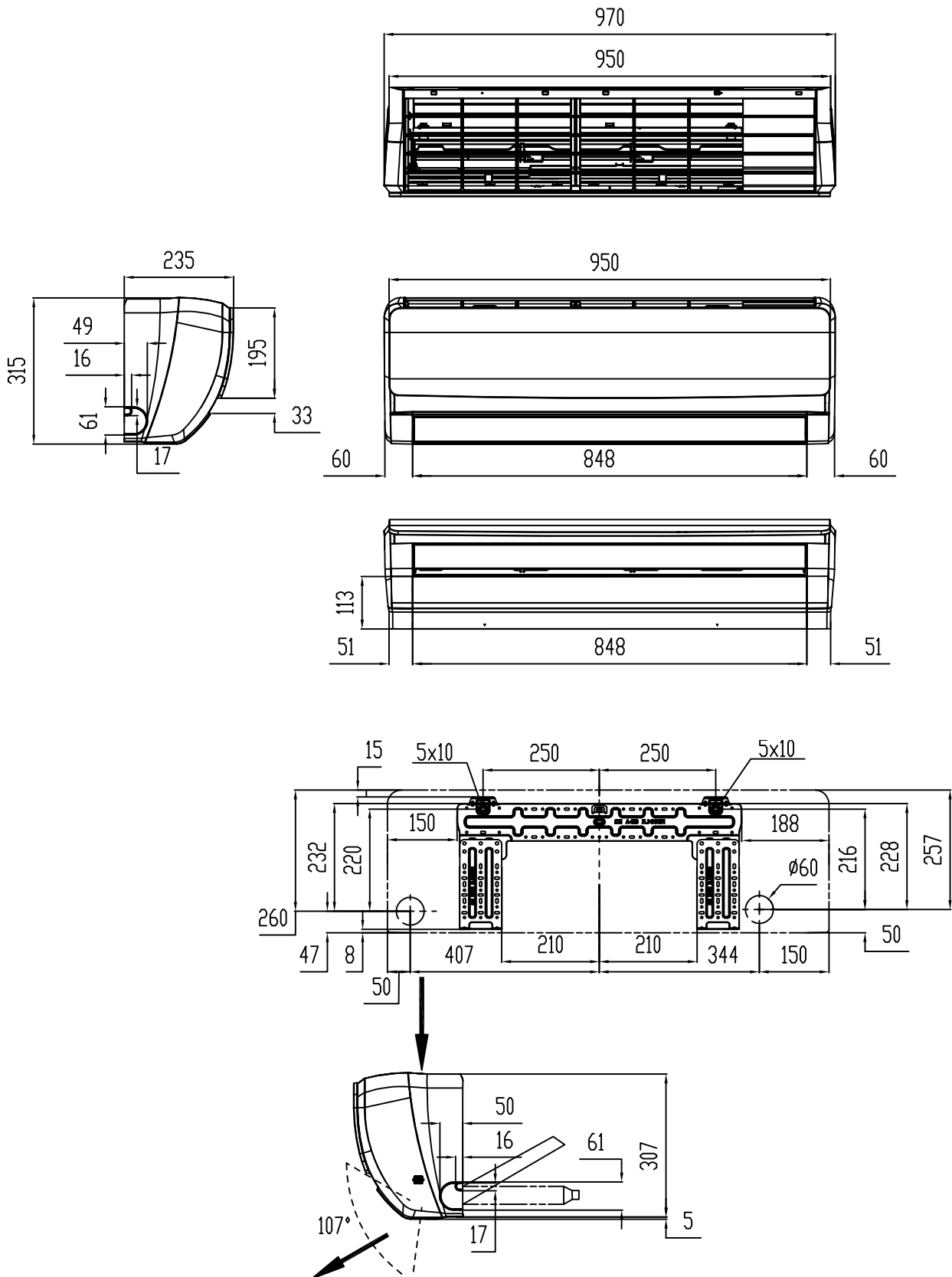
LSNW20 - LSNW25 - LSNW35



Technical drawings

Multi Split wall-hung indoor units

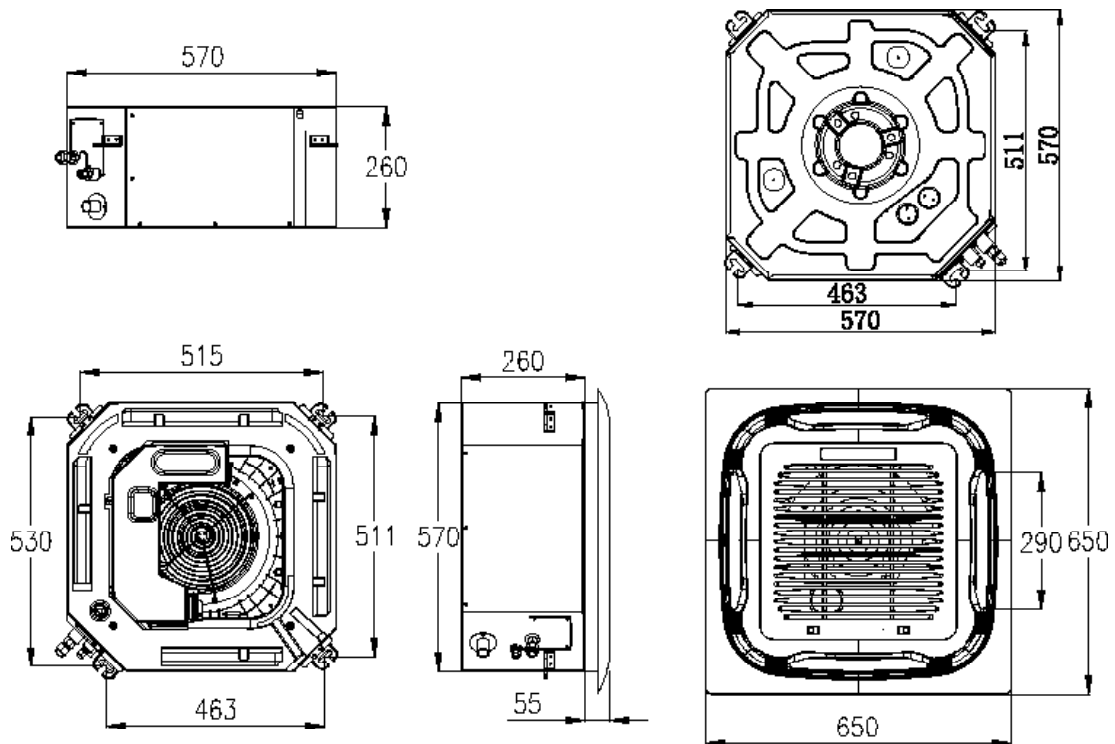
LSNW50



Technical drawings

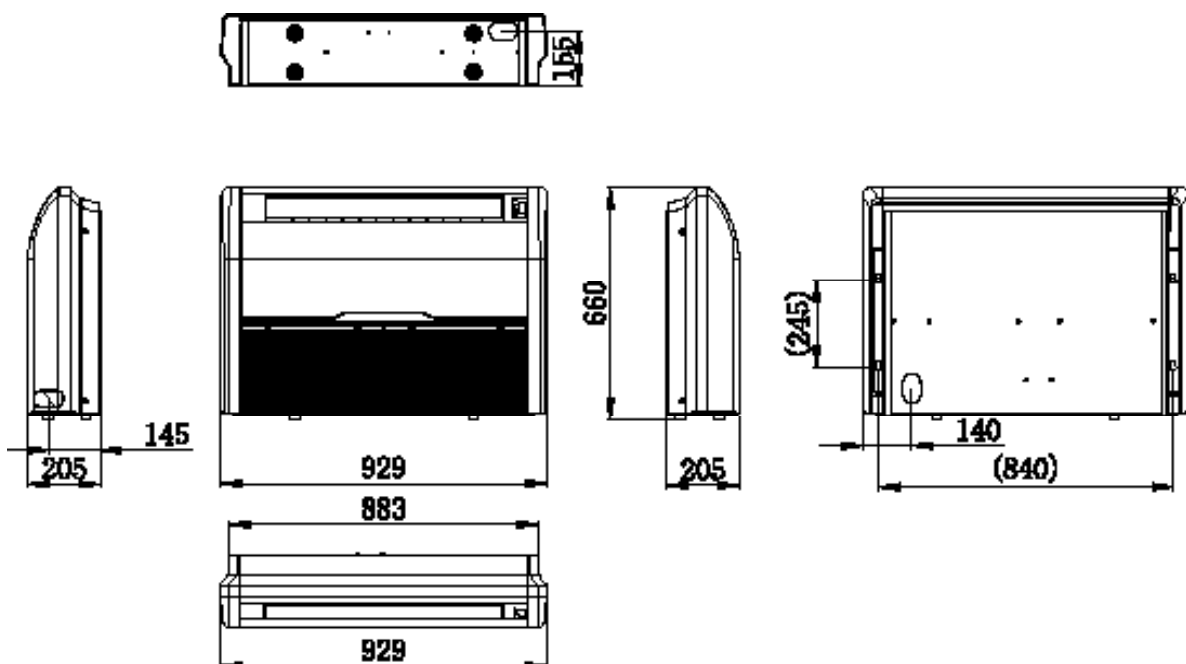
Multi Split cassette indoor units

LSBK25-XM / LSBK35-XM / LSBK50-XM



Multi Split ceiling/floor indoor units

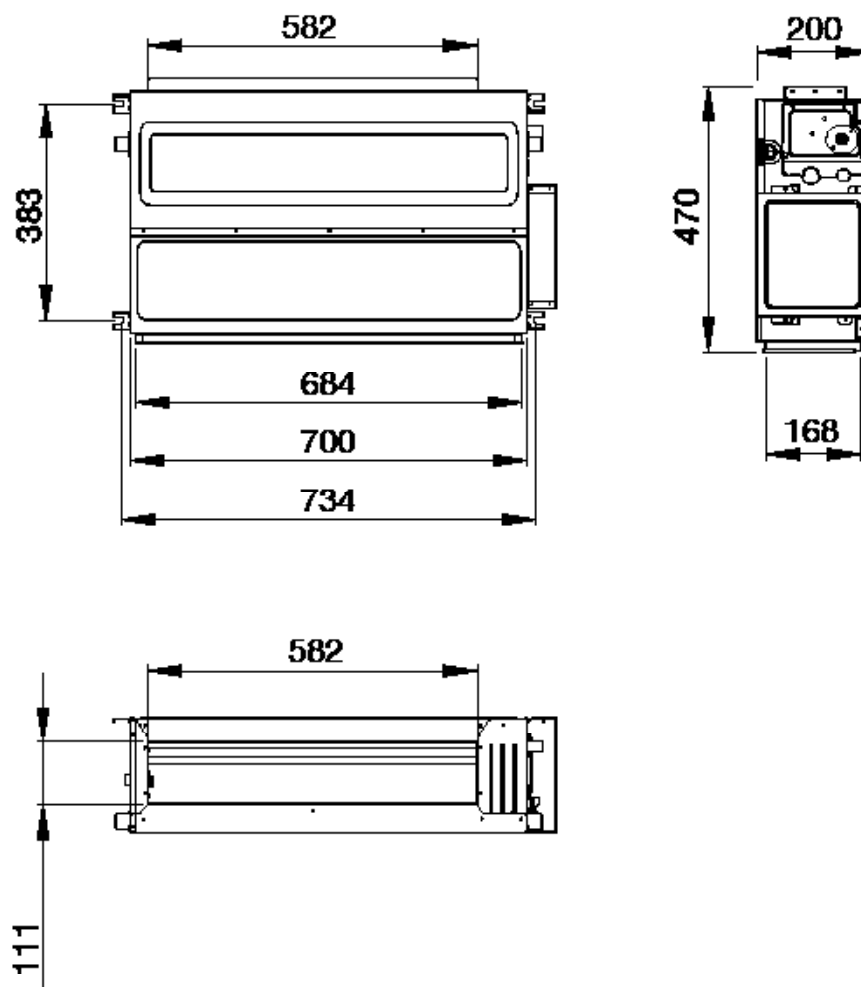
LSNC25-XM / LSNC35-XM / LSNC50-XM



Technical drawings

Multi Split duct indoor units

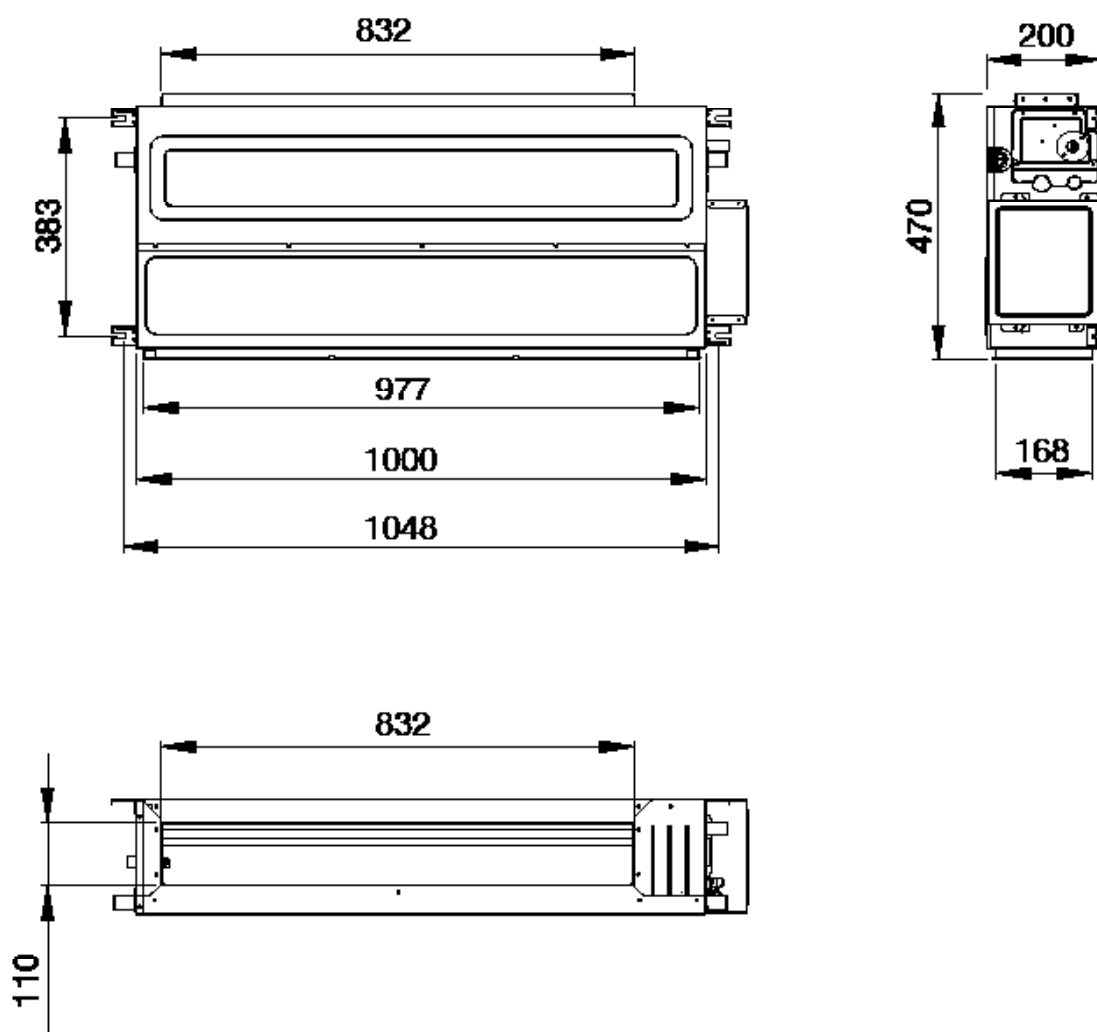
LSND25-XM / LSND35-XM



Technical drawings

Multi Split duct indoor units

LSND50-XM



Accessories



RXAC

Connectable to: Mono and Multi Split duct models

Infrared remote control + receiver

It is possible to use the infrared remote control when Mono and Multi Split duct indoor units are installed. It is only necessary to set up the receiver that is supplied with the infrared remote control.



TXW1AC

Connectable to: Mono e Multi Split duct models and Mono Split ceiling/floor models

TXW2AC

Connectable to: Multi Split ceiling/floor models

Touch screen wired control

With cassette and ceiling/floor indoor units the infrared remote control is supplied as standard. However, for specific needs, it is possible to control these units also with the wired control (excluding the wall-hung indoor units); especially for commercial applications (gyms, hotels, restaurants, ...) where the remote control could get lost.

Notes



Quality Environment Safety

are Baxi strategic aims and the awarded certifications ensure compliance with the specific regulations

BAXISPA

36061 BASSANO DEL GRAPPA (VI)
Via Trozzetti, 20
marketing@baxi.it
www.baxi.it

The Company assumes no responsibility for any possible contents mistakes, and reserves the right to make changes in products, due to technical or commercial demands, at any time without notice.

Baxi S.p.A. 04-19 G

