GIA GROUP
make your life easy

HTW
QUALITY COMFORT EVERYWHERE

giatsu
Professional Comfort Solutions

21-22

INDUSTRIAL AIR CONDITIONING
CATALOGUE

groupgia.com

The most complete range, with the highest quality.

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make your life easy

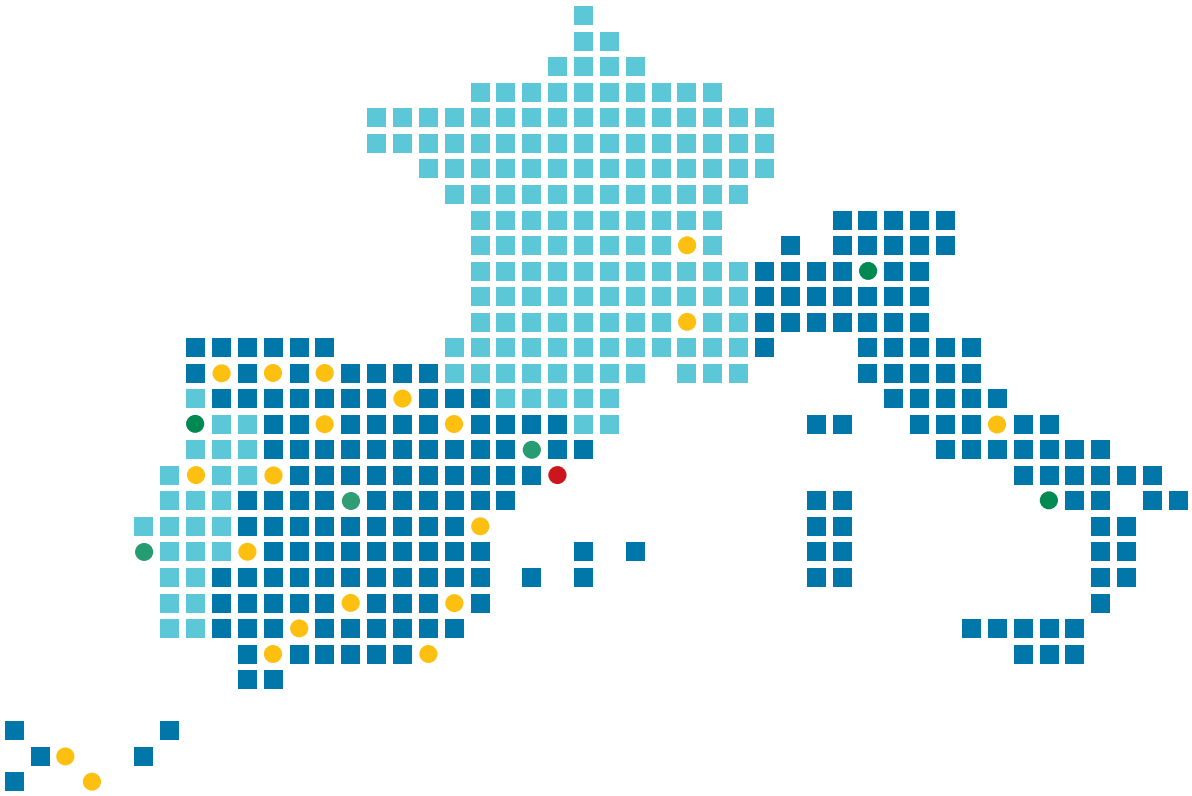
GIA GROUP
make your life easy

About us

GIA GROUP was born in 2010, in the hands of professionals with extensive experience in the air conditioning sector.

With 100% Spanish capital, with central and operational offices in Barcelona, GIA GROUP is committed to a new business model developing the manufacture of highly efficient air conditioning, aerothermal and domestic hot water products available to everyone.

Since its inception, it has focused all its efforts on offering innovative products, with the highest quality and respectful of the environment. This premise has placed the company among one of the leading manufacturers in the air conditioning and DHW equipment sector, in Spain and in the main European countries.



We operate throughout Europe

- Central Offices located in Barcelona, Spain.
- We operate in more than 35 countries, with our own subsidiaries in Spain, France, Portugal and Italy.
- 5 logistics centers in Spain with more than 18,000 m², 2 logistics centers in Portugal and 2 logistics centers in Italy. A total of more than 40,000 m2 to be able to give a premium service to our clients.

HIGHLIGHTS

2000

GIA GROUP is born

2010

HTW
Brand creation

2013

DHW and heating
beginnings

2014

Export start

2015

GIATSU brand creation.
Subsidiary creation
France and Portugal

2019

1st importer of air
conditioning in Spain

2020

10th anniversary as
manufacturers.
20th anniversary as a
company.
We continue as
1st importer.

2020

Launch of APS range
with UVC light

2021

Launch of new SEA
ranges

COMMITMENT

Technology, reliability, efficiency, durability and design are the characteristics that define **GIA Group**. We believe in an universal brand for a global environment, where our main purpose is to improve people's lives without damaging the environment.

TRUST

Due to our advanced Japanese technology and rigorous quality controls, we manufacture excellent quality products, carefully taking care of even the smallest detail. Furthermore, We have an extensive network of technical services that will help you solve any questions or queries you may have, always in order to satisfy our customers.

QUALITY

Quality is our key to success. All our products undergo rigorous inspection and verification controls, in order to guarantee the highest quality, and ensuring compliance with our demanding manufacturing standards.

SERVICE

All these years of experience, in the first line of business, have provided us with an excellent "Know How" to face the projects with a great success, as it has been shown throughout our history. **GIA Group** puts at your disposal all our team of professionals, experience and knowledge.

HTW
Selection
Software
Principal
Opciones
Ayuda

HTW
QUALITY COMFORT EVERYWHERE

Selection Software

Our software allows you to:

- Enter data and information of a project.
- Calculate the load volume required according to the project.
- Select the units (outdoor and indoor) from our wide range of products.
- Draw the pipes needed for the project.
- Select the controller or command.

Enter data and information of a project.

Calculate the load volume required according to the project.

Select the units (outdoor and indoor) from our wide range.

Draw the pipes needed for the project.

Select the controller or command.

GIA GROUP

HTW

QUALITY COMFORT EVERYWHERE

Big Duct

Big Duct

Large flow rates and high pressure available

Great installation flexibility

The commercial range of high pressure ducts has 5 capacities, 22.4, 28, 40, 45 and 56 kW, which reach up to 400 Pa of available pressure depending on the capacity. This provides great flexibility in the design of the ducts, which together with the increased functionalities in the air flow, allows total adaptability in practically any installation.

UP TO 400 Pa

Types of outdoor unit

The commercial high pressure range has 2 different types of outdoor units. The 22 to 45 kW units have a front air discharge and the 56 kW outdoor unit has a top air discharge.

Little installation space

The 22 to 45 kW outdoor units with frontal air discharge are very compact for the capacities they develop, taking up little installation space and floor space.

Long pipe distance

This type of system admits a total distance of up to 175 meters of pipe between the unit exterior and interior depending on the capacity of the system.

Capacity (kW)	Maximum distance	Height difference
22,4	50	30
28	50	30
40	100	30
45	100	30
56	175	90

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Big Duct

*Depending on the model

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

UP TO 400Pa

DC inverter
DC Inverter compressor and fans

R410A
Refrigerant gas

Wired controller included

MODELS

			HTW C224IX41DT3	HTW C280IX41DT3
Power supply		V, P, Hz	380-415V (3 Phases~ 50Hz)	
PERFORMANCE				
Cooling capacity[1]	Capacity	KW	22,4	28
	Consumption	W	7200	9000
	SEER / *EER		4,78	4,77
Heating capacity[2]	Capacity	kW	24,5	31,5
	Consumption	W	6600	8500
	SCOP / *COP		3,48	3,48
FEATURES				
Indoor unit	Sound pressure level[3]	dB(A)	49~52	49~52
	Air flow	m^3/h	4800	4800
	Operation temperature	°C	17~30	17~30
	Static pressure	Pa	150	150
Outdoor unit	Sound power level	dB(A)	58	59
	Air flow	m^3/h	9400	9800
	Operation temperature cold/hot	°C	- 15~48 / -15~24	- 15~48 / -15~24
	Refrigerant Type/Charged	Kg	R410A / 7,2	R410A / 7,2
	Compressor		Mitsubishi	Mitsubishi
	Design pressure	Mpa	4.4/2.6	4.4/2.6
DIMENSIONS & WEIGHT				
Indoor unit	Net dimensions (W×H×D)	mm	1454x515x931	
	Net weight	Kg	130	
Outdoor unit	Net dimensions (W×H×D)	mm	1120x1558x528	1120x1558x528
	Net weight	Kg	147	147
CONNECTIONS				
Electrical connections	Power supply	mm^2	5x6	5x6
	Communication	mm^2	3x 1,5 shielded	3x 1,5 shielded
Refrigerating pipe[4]	Liquid side- gas side	Inch.	3/8" - 1"	3/8" - 1"
Pipe Length	Max. length	m	50	50
	Max. level difference	m	30	30

NOTES:

1. Nominal cooling capacities are based on the following conditions.
Outside temperature: 35°C DB.
Return air temperature: 27°C DB, 19°C WB.
Equivalent pipe length: 8m horizontally.

2. The nominal heating capacities are based on the following conditions.
Outside temperature: 7°C DB, 6°C WB.
Return air temperature: 20°C DB.
Equivalent pipe length: 8 m horizontally.

3. Sound pressure level: conversion value of the semi-anechoic chamber, measured at a point at 1 m in front of the unit at a height of 1.4 m.

4. The above data may be modified without prior notice for future improvements in quality and performance.

5. Diameter for basic installation of 40 meters of pipe. Check diameters for greater distances.

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MODELS			HTW C400IX41DT3B	HTW C450IX41DT3B	HTW C560IX41DT3B
Power supply		V, P, Hz	380-415V (3 Phases~ 50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	KW	40	45	56
	Consumption	W	15000	13550	16470
	SEER / *EER		5,7	5,65	3,4*
Heating capacity[2]	Capacity	kW	40	45	56
	Consumption	W	10000	11390	14000
	SCOP / *COP		3,75	3,7	4*
FEATURES					
Indoor unit	Sound pressure level[3]	dB(A)	60/59/58/ 57/55/54/52	60/59/58/ 57/55/54/52	59/58/57/ 56/55/53/51
	Air flow	m^3/h	6500 ~ 4400	6500 ~ 4400	7400 ~ 5000
	Operation temperature	°C	17~30	17~30	17~30
	Static pressure	Pa	400	400	400
Outdoor unit	Sound power level	dB(A)	62	62	66
	Air flow	m^3/h	16575	16575	16000
	Operation temperature cold/hot	°C	- 5~48 / -14~24	- 5~48 / -14~24	- 5~48 / -20~24
	Refrigerant Type/Charged	Kg	R410A / 9	R410A / 12	R410A / 16
	Compressor		Mitsubishi	Mitsubishi	Hitachi
	Design pressure	Mpa	4.4/2.6	4.4/2.6	4.4/2.6
DIMENSIONS & WEIGHT					
Indoor unit	Net dimensions (W×H×D)	mm	2010x680x905		
	Net weight	Kg	210		218
Outdoor unit	Net dimensions (W×H×D)	mm	1360x1650x540	1460x1650x540	1340x1635x825
	Net weight	Kg	250	280	340
CONNECTIONS					
Electrical connections	Power supply	mm^2	5x10	5x16	5x16
	Communication	mm^2	3x 1,5 shielded	3x 1,5 shielded	3x 1,5 shielded
Refrigerating pipe[4]	Liquid side- gas side	Inch.	1/2" - 1"	1/8 - 1/2" - 1"	1/8 - 5/8" - 1"
Pipe Length	Max. length	m	100	100	175
	Max. level difference	m	30	30	90

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HTW

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VRF Outdoor units

Product range

Mini VRF

UP TO 15 CONNECTABLE UNITS

kW	8	10,5	12	14	16	18	20	22,5	26	28	33,5	40	45
Three-phase supply			✓	✓	✓	✓						✓	✓

Mini V10

UP TO 20 CONNECTABLE UNITS

kW	8	10,5	12	14	16	20	22,5	26	28	33,5
Single-phase supply	✓	✓	✓	✓	✓					
Three-phase supply						✓	✓	✓	✓	✓

V10

UP TO 64 CONNECTABLE UNITS

UP TO 270 kW

kW	25,2	28	33,5	40	45	50	56	61,5	67	73	78	85	90
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

V10+R

UP TO 64 CONNECTABLE UNITS

UP TO 151.5 kW

kW	25,2	28	33,5	40	45	50	56	61,5	67	73	78	85	90
	✓	✓	✓	✓	✓	✓							

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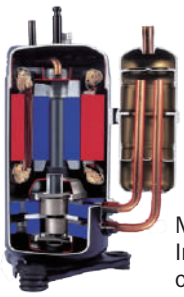
Features

Efficient technology

DC Inverter Compressors

All the outdoor units in our VRF range have inverter compressors. They incorporate advanced technology that allows to module the capacity of the outdoor unit according to the real demands. This advanced system guarantees a precise temperature control and a highly efficient energy use, minimising its impact on the environment.

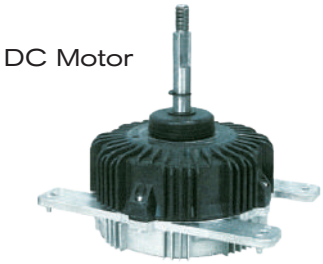


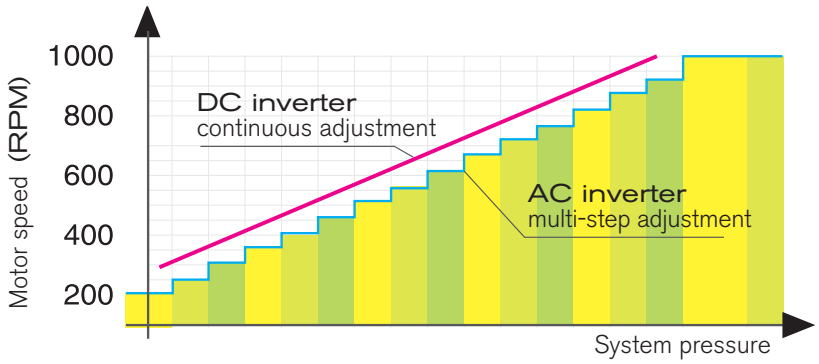
Mini VRF and Mini V10
Inverter double rotary
compressor

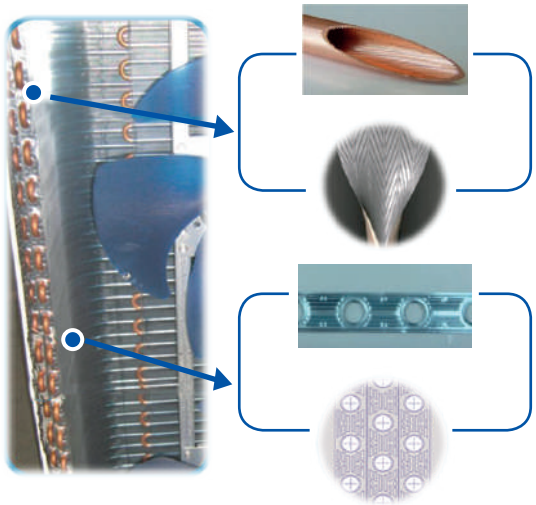
V10 and V10+R
Scroll compressor
Inverter

DC Inverter Fans

All units of the range have DC fans, which guarantees a minimum consumption and an optimised efficiency.







Exchanger

High efficiency copper tube:
It improves the flow of the refrigerant and improves the heat exchange.

Hydrophilic aluminum fins:
It greatly reduces the accumulation of water condensation and guarantees the efficiency of heat transfer.

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Wide range of application

With **VRF** outdoor units we can cover installations from 8 kW up to 270 kW with a single cooling system.

Versatility of indoor units

The range of outdoor units can be combined with a wide variety of indoor type units that have a capacity from 2.2 kW to 56 kW.

High quality

The **V10** outdoor units are fitted as standard with an anti-corrosion treatment that protects the components against corrosion caused by salty environments or acid rain. For extreme conditions, the ultra-protection package is available as an option.

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Mini **VRF** and Mini **V10**

Optimised design for small buildings

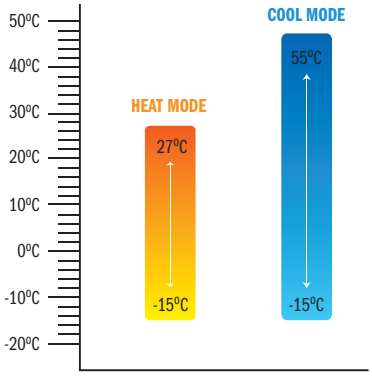
- Two options: Mini **VRF** and Mini **V10**
- Capacity up to 45Kw
- Up to 15 connectable indoor units
- Refrigerant Cooling PCB
  (available only for Mini V10)
- Precise oil control technology
- Very quiet outdoor units
- Compact and easy installation

Wide capacity range

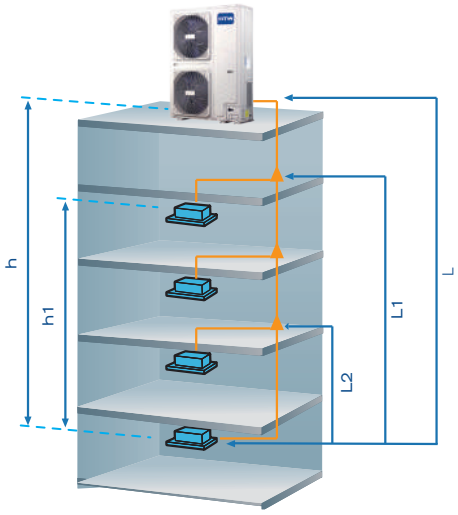
Mini V10				Mini VRF	
8kW	10-12kW	14-16kW	20-33.5kW	12-18kW	40-45kW

Wide range of operating temperature range

The mini **VRF** and mini **V10** outdoor units can operate in extreme conditions. Depending on the outdoor unit model, they can operate from -15ºC to 55ºC in cooling mode and from -15ºC to 27ºC in heating mode.



Pipe length



Capacity						
Series	Mini V10				Mini VRF	
Pipe distances	8kW	10-12kW	14-16kW	20-33.5kW	12-18kW	40-45kW
Total pipe length	50m	65m	100m	150m	100m	150m
Maximum distance - real (equivalent) (L)	35m (40m)	45m (50m)	60m (70m)	100m (110m)	60m (70m)	100m (110m)
Maximum distance from the first shunt (L1)	20m	20m	20m	40m	20m	40m
Maximum distance to the nea-rest shunt (L2)	15m	15m	15m	15m	15m	15m
Height difference between ODU & IDU. Outdoor above (Outdoor below). (h)	10m (10m)	20m (20m)	30m (20m)	50m (40m)	30m (20m)	50m (40m)
Difference of height between IDU (h1)	8m	8m	8m	8m	8m	8m

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Mini **VRF**

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

UP TO 15 CONNECTABLE UNITS

UP TO 130% SIMULTANEITY

DC inverter — DC Inverter compressor and fans

R410A — Refrigerant gas

Multiple possibilities of installation

MODELS			HTWV120WDRN1	HTWV140WDRN1	HTWV160WDRN1
Max. no. of connected indoor units			6	6	7
Power supply		V,P,Hz	380-415 (3 Phases, 50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	12,3	14	15,5
	Consumption	kW	3,25	3,85	4,39
	EER	-	3,78	3,64	3,53
Heating capacity[2]	Capacity	kW	13,2	15,4	17
	Consumption	kW	3,47	4,05	4,58
	COP	-	3,8	3,8	3,71
FEATURES					
Compressor	Type		DC Inverter		
	Quantity		1	1	1
Fan motor	Type		DC motor		
	Quantity		2		
Air flow		m^3/h	6.000	6.000	6.000
Sound pressure level[3]		dB(A)	72	73	73
Operating temperature range	Cooling	°C	-15~43	-15~43	-15~43
	Heating	°C	-15~27	-15~27	-15~27
R410A Refrigerant	Charged	Kg	3,3	3,9	3,9
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	900x1.327x400	900x1.327x400	900x1.327x400
Net weight		Kg	95	95	102
CONNECTIONS					
Refrigerating pipe	Liquid side	Inch.	3/8"	3/8"	3/8"
	Gas	Inch.	5/8"	5/8"	3/4"

MODELS			HTWV180WDRN1	HTWV400WDRN1	HTWV450WDRN1
Max. no. of connected indoor units			9	14	15
Power supply		V,P,Hz	380-415 (3 Phases, 50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	17,5	40,0	45,0
	Consumption	kW	5,47	15,09	13,55
	EER	-	3,2	2,65	3,32
Heating capacity[2]	Capacity	kW	19	40,0	45,0
	Consumption	kW	5	10,0	11,11
	COP	-	3,8	4,00	4,05
FEATURES					
Compressor	Type		DC Inverter		
	Quantity		1	2	2
Fan motor	Type		DC motor		
	Quantity		2		
Air flow		m^3/h	6.800	16.575	16.575
Sound pressure level[3]		dB(A)	74	82	83
Operating temperature range	Cooling	°C	-15~43	-5~48	-5~48
	Heating	°C	-15~27	-15~24	-15~24
R410A Refrigerant	Charged	Kg	4,5	9	12
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	900x1.327x400	1.360x1.650x540	1.460x1.650x540
Net weight		Kg	107	240	275
CONNECTIONS					
Refrigerating pipe	Liquid side	Inch.	3/8"	1/2"	1/2"
	Gas	Inch.	3/4"	7/8"	1"

NOTES:

1. Cooling: Indoor temperature 27°C BS, 19°C BH; Outside temperature 25°C BS, 24°C BH: Equivalent pipe length: 5m; Height difference: 0m.
2. Heating: Indoor temperature 20°C BS, 15°C BH; Outside temperature 7°C BS, 6°C BH: Equivalent pipe length: 5m; Height difference: 0m.
3. Sound level: Conversion value in an anechoic chamber, measured at 1m distance and 1m height.

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Mini V10

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

UP TO 20 CONNECTABLE UNITS

UP TO 33.5 KW

DC inverter — DC Inverter compressor and fans

R410A — Refrigerant gas

Wide operating range

Automatic directionality

Evaporation system

High efficiency in heating and cooling

MODELS			HTW-V080WDN1V10	HTW-V105WDN1V10
Power supply		V,P,Hz	220-240 (1 Phase~50Hz)	
PERFORMANCE				
Cooling capacity[1]	Capacity	kW	7,2	9,0
		kBtu/h	24,6	30,7
	Supply input	kW	2,18	2,64
	EER		3,30	3,41
Heating capacity[2]	Capacity	kW	7,2	9,0
		Btu/h	24,6	30,7
	Supply input	kW	1,82	2,10
	COP		3,95	4,29
FEATURES				
Connectable indoor units	Total capacity		45~130% of the capacity of the outdoor unit	
	Maximum quantity		4	6
Compressor	Type		DC Inverter	
	Quantity		1	
Fan	Type		DC	
	Quantity		1	
Air flow range		m^3/h	3.700	5.200
Refrigerant	Type		R410A	
	Factory-charged	kg	2,2	2,35
Sound pressure level[3]		dB(A)	54	54
Ambient temperature range	Cooling	ºC	-5 ~ 55	
	Heating	ºC	-15 ~ 27	
DIMENSIONS & WEIGHT				
Net dimensions (W×H×D)		mm	982x712x440	950x840x426
Net weight		kg	55	72,5
CONNECTIONS				
Refrigerating pipe[4]	Liquid side	Inch.	3/8"	
	Gas	Inch.	3/4"	

MODELS			HTW-V120WDN1V10	HTW-V140WDN1V10	HTW-V160WDN1V10
Power supply		V,P,Hz	220-240 (1 Phase~50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	12,2	14,0	15,5
		kBtu/h	40,9	47,8	52,9
	Supply input	kW	4,32	4,56	5,35
	EER		2,83	3,07	2,90
Heating capacity[2]	Capacity	kW	14,0	16,0	18,0
		Btu/h	47,8	54,6	61,4
	Supply input	kW	3,17	4,08	5,71
	COP		4,40	3,92	3,20
FEATURES					
Connectable indoor units	Total capacity		45~130% of the capacity of the outdoor unit		
	Maximum quantity		7	8	9
Compressor	Type		DC Inverter		
	Quantity		1		
Fan	Type		DC		
	Quantity		1		
Air flow range		m^3/h	5.000	5.400	5.200
Refrigerant	Type				
	Factory-charged	kg	3	3,4	3,8
Sound pressure level[3]		dB(A)	56	56	56
Ambient temperature range	Cooling	ºC	-5 ~ 55		
	Heating	ºC	-15 ~ 27		
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	950x840x426	1.040x865x523	1.040x865x523
Net weight		kg	84	91,4	95,4
CONNECTIONS					
Refrigerating pipe[4]	Liquid side	Inch.	3/8"		
	Gas	Inch.	5/8"	5/8"	3/4"

Notes:
1-Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant pipe length 7.5m with zero level difference.
2-Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant pipe length 7.5m with zero level difference.
3-Sound pressure levels are measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.
4-The diameters given are those of the pipe connecting the outdoor unit combination to the first indoor branch junction for systems with total equivalent liquid pipe lengths of less than 90m. For systems with total equivalent liquid pipe lengths of 90m or more, refer to Part 3 "System Design and Installation" for connecting pipe diameters.

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MODELS			HTW-V200WV2RN1V10	HTW-V224WV2RN1V10	HTW-V260WV2RN1V10
Power supply	V,P,Hz		380-415 (3 Phases~50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	20	22,4	26
		kBtu/h	68,2	76,4	88,7
	Supply input	kW	4,90	6,83	9,63
	EER		4,08	3,28	2,70
Heating capacity[2]	Capacity	kW	20	22,4	26
		Btu/h	68,2	76,4	88,7
	Supply input	kW	4,21	4,98	5,53
	COP		4,75	4,50	4,70
FEATURES					
Connectable indoor units	Total capacity		50-130%		
	Maximum quantity		11	13	15
Compressor	Type		DC Inverter		
	Quantity		1		
Fan	Type		DC		
	Quantity		2		
Air flow range		m^3/h	9000		10000
Refrigerant	Type		R410A		
	Factory-charged	kg	6,5		
Sound pressure level[3]		dB(A)	58		59
Ambient temperature range	Cooling	ºC	-5 ~ 48		
	Heating	ºC	-20 ~ 24		
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	1120x1558x528		
Net weight		kg	143		144
CONNECTIONS					
Refrigerating pipe[4]	Liquid side	Inch.	3/8”		
	Gas	Inch.	3/4”		7/8”

MODELS			HTW-V280WV2RN1V10	HTW-V335WV2RN1V10
Power supply		V,P,Hz	380-415 (3 Phases~50Hz)	
PERFORMANCE				
Cooling capacity[1]	Capacity	kW	28,5	33,5
		kBtu/h	97,2	114,3
	Supply input	kW	12,28	14,38
	EER		2,32	2,33
Heating capacity[2]	Capacity	kW	28,5	33,5
		Btu/h	97,2	114,3
	Supply input	kW	6,16	8,1
	COP		4,63	4,14
FEATURES				
Connectable indoor units	Total capacity		50-130%	
	Maximum quantity		14	20
Compressor	Type		DC Inverter	
	Quantity		1	
Fan	Type		DC	
	Quantity		2	
Air flow range		m^3/h	11000	11300
Refrigerant	Type		R410A	
	Factory-charged	kg	6,5	8
Sound pressure level[3]		dB(A)	60	61
Ambient temperature range	Cooling	ºC	-5 ~ 48	
	Heating	ºC	-20 ~ 24	
DIMENSIONS & WEIGHT				
Net dimensions (W×H×D)		mm	1120x1558x528	
Net weight		kg	144	157
CONNECTIONS				
Refrigerating pipe[4]	Liquid side	Inch.	3/8”	
	Gas	Inch.	7/8”	1”

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V10

Wide capacity range

Starting at 25.2kW, the capacity increases in increments of 5.6kW up to 270kW which is **the largest VRF system capacity in the world.**

25,2/ 28/ 33,5kW (one fan)

40/ 45kW (one fan)

50/ 56/ 61,5kW (double fans)

67/ 73/ 78,5/ 85/ 90kW (double fans)

45-180kW

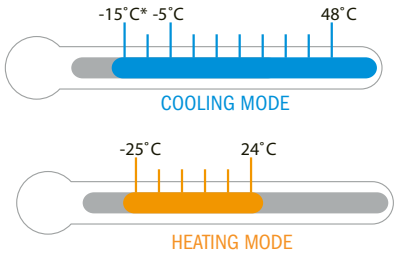
67- 270kW

Easy access for maintenance

For better maintenance, installation and repair of the system, the control box can be rotated on its vertical axis up to 150° and the design of the control box allows for better air circulation to better cool the electronic components, thus preventing overheating and breakdowns.

Operating temperature

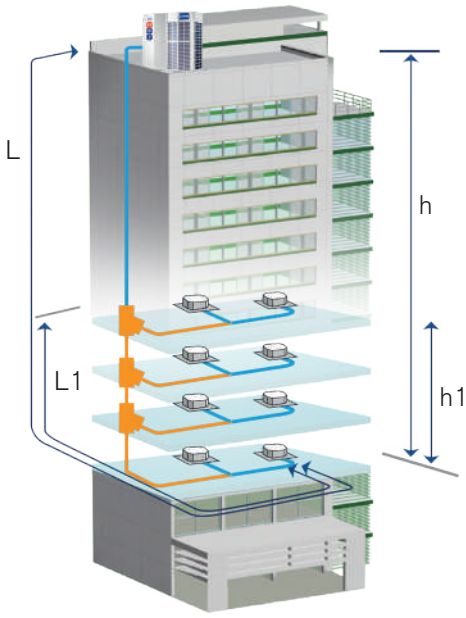
The V10 operates stably over a wide ambient temperature range: -5 °C (-15 ° C *) to 48 °C in cooling mode and from -25 °C to 24 °C in heating mode.



Pipe length

Pipe section	Length
Total pipe length	1000m
Maximum distance - real (equivalent) (L)	175m (200m)
Maximum distance from the first shunt (L1)	40/90m*
Height difference between ODU and IDU. Outdoor above (Outdoor below). (h)	90m (110m)
Difference of max. height between IDU (h1)	30m

* The longest length after the first shunt is 40 m as standard, but can be extended up to 90 m under certain conditions. Contact the distributor for more information.



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V10

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

UP TO 64 CONNECTABLE UNITS

UP TO 270 kW

UP TO 130% SIMULTANEITY

DC inverter compressor and fans

Refrigerant gas

Wide operating range

Automatic directionality

Evaporation system

High efficiency in heating and cooling

MODELS			HTW-V0252FI13V10	HTW-V0280FI13V10	HTW-V0335FI13V10
Capacity		HP	8	10	12
Power supply		V, P, Hz	380-415 (3 Phase~50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	25.2	28.0	33.5
		kBtu/h	86.0	95.5	114.3
	Consumption	kW	5.3	6.3	8.7
	EER		4.75	4.45	3.85
Heating capacity[2]	Capacity	kW	25.2	28.0	33.5
		kBtu/h	86.0	95.5	114.3
	Consumption	kW	4.6	5.2	6.6
	COP		5.50	5.40	5.10
FEATURES					
Connectable indoor units	Total capacity		50-130% of the capacity of the outdoor unit		
	Maximum quantity		13	16	20
Fan	Type		Propeller		
	Motor type		DC		
	Quantity		1		
	Motor output	kW	0.56	0.56	0.56
	Static pressure	Pa	0-20 (by default); 20-60 (customised)		
	Air flow	m^3/h	11000	11000	11000
	Transmission type		Direct		
Refrigerant	Type		R410A		
	Charged	kg	11	11	11
Sound pressure level[3]		dB(A)	58	58	60
Sound power level		dB(A)	78	78	81
Ambient temperature	Cooling	°C	-5 ~ 48		
	Heating	°C	-25 ~ 24		
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	990×1635×790	990×1635×790	990×1635×790
Net weight		kg	227	227	227
CONNECTIONS					
Refrigerating pipe[4]	Liquid side	Inch.	1/2"	1/2"	5/8"
	Gas	Inch.	1"	1"	1 1/8"

MODELS			HTW-V0400FI13V10	HTW-V0450FI13V10	HTW-V0500FI13V10	HTW-V0560FI13V10
Capacity		HP	14	16	18	20
Power supply		V, P, Hz	380-415 (3 Phases~50Hz)			
PERFORMANCE						
Cooling capacity[1]	Capacity	kW	40.0	45.0	50.0	56.0
		kBtu/h	136.5	153.5	170.6	191.1
	Consumption	kW	9.9	12.0	12.5	15.1
	EER		4.05	3.75	4.00	3.70
Heating capacity[2]	Capacity	kW	40.0	45.0	50.0	56.0
		kBtu/h	136.5	153.5	170.6	191.1
	Consumption	kW	8.5	9.8	10.6	12.7
	COP		4.70	4.60	4.70	4.40
FEATURES						
Connectable indoor units	Total capacity		50-130% of the capacity of the outdoor unit			
	Maximum quantity		23	26	29	33
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		1	1	2	2
	Motor output	kW	0.92	0.92	0.56×2	0.56×2
	Static pressure	Pa	0-20 (by default); 20-60 (customised)			
	Air flow	m^3/h	11000	13000	17000	17000
	Transmission type		Direct			
Refrigerant	Type		R410A			
	Charged	kg	13	13	17	17
Sound pressure level[3]		dB(A)	62	65	65	66
Sound power level		dB(A)	85	88	88	88
Ambient temperature	Cooling	°C	-5 ~ 48			
	Heating	°C	-25 ~ 24			
DIMENSIONS & WEIGHT						
Net dimensions (W×H×D)		mm	1340×1635×850	1340×1635×850	1340×1635×825	1340×1635×825
Net weight		kg	277	277	348	348
CONNECTIONS						
Refrigerating pipe[4]	Liquid side	Inch.	5/8"	5/8"	3/4"	3/4"
	Gas	Inch.	1 1/4"	1 1/4"	1 1/4"	1 1/4"

Notes:
1-Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant pipe length 7.5m with zero level difference.
2-Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant pipe length 7.5m with zero level difference.
3-Sound pressure levels are measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.
4-The diameters given are those of the pipe connecting the outdoor unit combination to the first indoor branch junction for systems with total equivalent liquid pipe lengths of less than 90m. For systems with total equivalent liquid pipe lengths of 90m or more, refer to Part 3 "System Design and Installation" for connecting pipe diameters.

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V10

MODELS			HTW-V0615FI13V10	HTW-V0670FI13V10	HTW-V0730FI13V10
Capacity		HP	22	24	26
Power supply		V, P, Hz	380-415 (3 Phases~50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	61.5	67.0	73.0
		kBtu/h	209.8	228.6	249.1
	Consumption	kW	18.4	18.1	20.9
	EER		3.35	3.70	3.49
Heating capacity[2]	Capacity	kW	61.5	67.0	73.0
		kBtu/h	209.8	228.6	249.1
	Consumption	kW	15.0	14.9	17.6
	COP		4.10	4.50	4.15
FEATURES					
Connectable indoor units	Total capacity		50-130% of the capacity of the outdoor unit		
	Maximum quantity		36	26	29
Fan	Type		Propeller		
	Motor type		DC		
	Quantity		2	1	2
	Motor output	kW	0.56×2	0.92×2	0.92×2
	Static pressure	Pa	0-20 (by default); 20-60 (customised)		
	Air flow	m^3/h	17000	25000	25000
	Transmission type		Direct		
Refrigerant	Type		R410A		
	Charged	kg	17	22	22
Sound pressure level[3]		dB(A)	66	67	68
Sound power level		dB(A)	88	89	90
Ambient temperature	Cooling	°C	-5 ~ 48		
	Heating	°C	-25 ~ 24		
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	1340×1635×825	1730×1830×850	1730×1830×850
Net weight		kg	348	430	430
CONNECTIONS					
Refrigerating pipe[4]	Liquid side	Inch.	3/8"	3/4"	7/8"
	Gas	Inch.	1 1/4"	1 1/4"	1 1/2"

MODELS			HTW-V0785FI13V10	HTW-V0850FI13V10	HTW-V0900FI13V10
Capacity		HP	28	30	32
Power supply		V, P, Hz	380-415 (3 Phases~50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	78.5	85.0	90.0
		kBtu/h	267.8	290.0	307.1
	Consumption	kW	24.2	27.4	31.0
	EER		3.25	3.10	2.90
Heating capacity[2]	Capacity	kW	78.5	85.0	90.0
		kBtu/h	267.8	290.0	307.1
	Consumption	kW	20.7	23.0	25.7
	COP		3.80	3.70	3.50
FEATURES					
Connectable indoor units	Total capacity		50-130% of the capacity of the outdoor unit		
	Maximum quantity		33	36	53
Fan	Type		Propeller		
	Motor type		DC		
	Quantity		2	2	2
	Motor output	kW	0.92×2	0.92×2	0.92×2
	Static pressure	Pa	0-20 (by default); 20-60 (customised)		
	Air flow	m^3/h	25000	24000	24000
	Transmission type		Direct		
Refrigerant	Type		R410A		
	Charged	kg	22	25	25
Sound pressure level[3]		dB(A)	68	68	68
Sound power level		dB(A)	90	90	90
Ambient temperature	Cooling	°C	-5 ~ 48		
	Heating	°C	-25 ~ 24		
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	1730×1830×850	1730×1830×850	1730×1830×850
Net weight		kg	430	475	475
CONNECTIONS					
Refrigerating pipe[4]	Liquid side	Inch.	7/8"	7/8"	7/8"
	Gas	Inch.	1 1/2"	1 1/2"	1 1/2"

Notes:
1-Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant pipe length 7.5m with zero level difference.
2-Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant pipe length 7.5m with zero level difference.
3-Sound pressure levels are measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.
4-The diameters given are those of the pipe connecting the outdoor unit combination to the first indoor branch junction for systems with total equivalent liquid pipe lengths of less than 90m. For systems with total equivalent liquid pipe lengths of 90m or more, refer to Part 3 "System Design and Installation" for connecting pipe diameters.

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V10

Outdoor unit combinations: V10 Series

System capacity		Number of outdoor units	Max. number of outdoor units	Modules[1]												
kW	HP			8	10	12	14	16	18	20	22	24	26	28	30	32
25.2	8	1	13	●												
28	10	1	16		●											
33.5	12	1	20			●										
40	14	1	23				●									
45	16	1	26					●								
50	18	1	29						●							
56	20	1	33							●						
61.5	22	1	36								●					
67	24	1	39									●				
73	26	1	43										●			
78.5	28	1	46											●		
85	30	1	50												●	
90	32	1	53													●
95	34	2	56			●					●					
101.5	36	2	59				●				●					
106.5	38	2	63					●			●					
112	40	2	64			●										
117.5	42	2	64							●	●					
123	44	2	64								●●					
128.5	46	2	64								●	●				
134.5	48	2	64								●		●			
140	50	2	64								●			●		
146	52	2	64										●●			
151.5	54	2	64										●	●		
157	56	2	64											●●		
163.5	58	2	64											●	●	
168.5	60	2	64											●		●
175	62	2	64												●	●
180	64	2	64													●●
185	66	3	64			●					●					●
191.5	68	3	64				●				●					●
196.5	70	3	64					●			●					●
202	72	3	64			●								●		●
207.5	74	3	64							●	●					●
213	76	3	64								●●					●
218.5	78	3	64								●	●				●
224.5	80	3	64								●		●			●
230	82	3	64								●			●		●
236	84	3	64										●●			●
241.5	86	3	64										●	●		●
247	88	3	64											●●		●
253.5	90	3	64											●	●	●
258.5	92	3	64											●		●●
265	94	3	64												●	●●
270	96	3	64													●●●

1. The unit combinations shown in the table are recommended ex-factory. Other unit combinations are also possible.
2. For systems with two or more outdoor units, outdoor branch joints are required (sold separately).

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V10+R

Heat recovery with the VRF V10+R series

Provides cooling and heating operation in one system

- Modification technology
- System for automatic modification of evaporating temperature
- Intelligent diagnostic system
- Enhanced steam injection compressor (EVI)
- Triple configurations
- ESP up to 80Pa
- Plate heat undercooling (PHE)
- Precise oil control technology
- Multiple silent modes
- Rotary duty cycle
- Back-up operation
- Refrigerant Cooled PCB
- Automatic snow blowing function
- Dust cleaning function
- Standard multi-functional diagnostic box
- Automatic detection/loading/recycling of refrigerant

Wide capacity range

From 25.2kW the capacity increases in 5.6kW increments up to 151.5kW, which is perfect for small and large buildings.

25,2/ 28/ 33,5kW

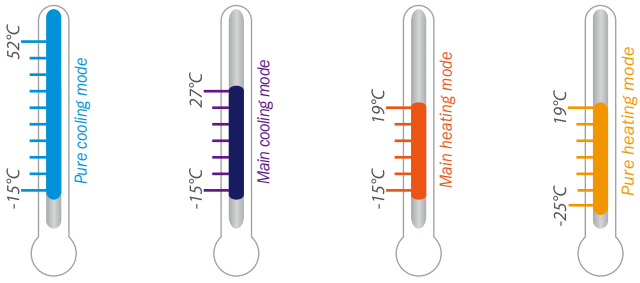
40/ 45/ 50kW

56/ 106,5kW

106,5/ 151,5kW

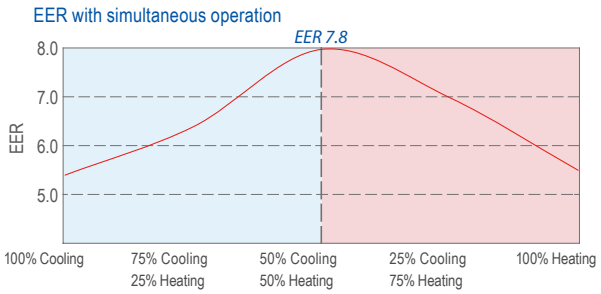
Wide operating range

The VRF V10 + R system has a wide operating range in cooling mode, heating mode and in cooling and heating functions simultaneously.



Heat recovery, maximum energy savings

The heat recovery system can perform cooling and heating operations simultaneously in one system. Heat recovery is achieved by diverting exhaust heat from indoor units in cooling mode to areas that require heating. As a result of this, efficiency is maximized and electricity costs are reduced. Part-load efficiencies are also high (up to 7.8 in the 25.2kW category).



EERs in simultaneous cooling and heating mode are based on the following conditions: outdoor temperature 7 ° CDB / 6 ° CWB, indoor temperature 27 ° CDB / 19 ° CWB for cooling, indoor temperature 20 ° CDB for heating.

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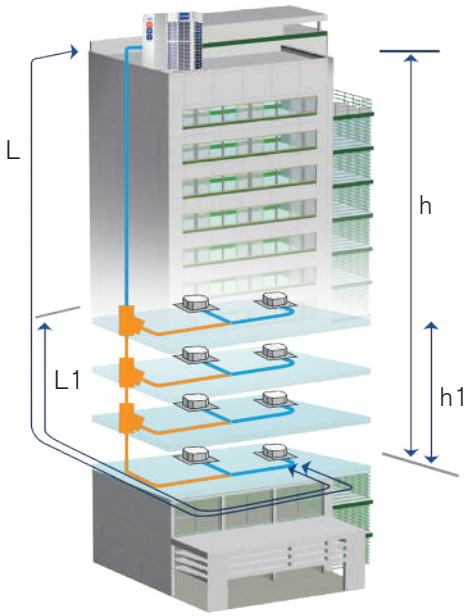
V10+R

Pipe length

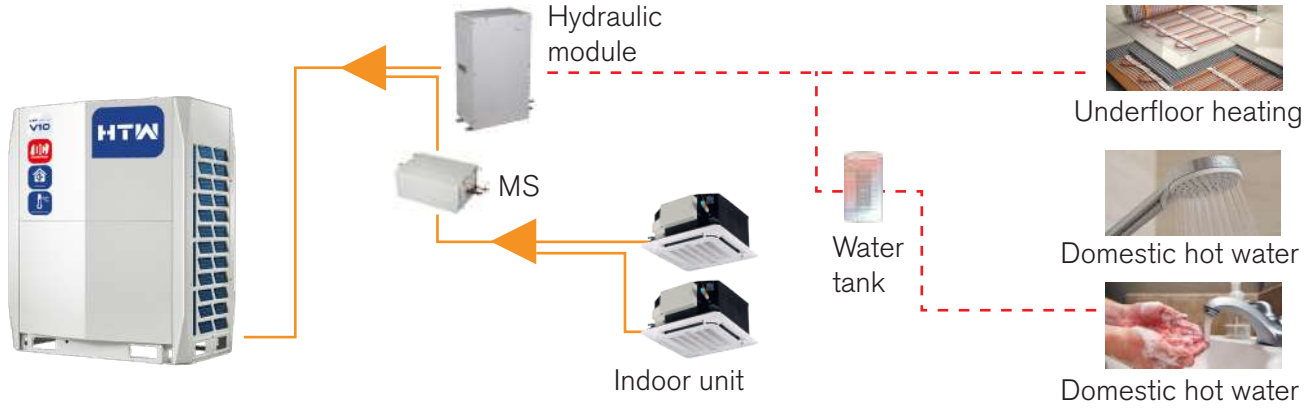
Pipe section	Length
Total pipe length	1000m
Maximum distance - real (equivalent) (L)	175m (200m)
Maximum distance from the first shunt (L1)	40/90m*
Height difference between ODU and IDU. Outdoor above (Outdoor below). (h)	110m (110m)
Difference of max. height between IDU (h1)	30m

* The longest length after the first shunt is 40m as standard, but can be extended up to 90m under certain conditions. Contact your local dealer for more information.



Hot water supply

The V10+R system can produce hot water (25 °C to 80 °C) when it is providing air conditioning in the room. Hot water can be used for heating, improving the comfort of the room.



Smart MS box

The V10+R heat recovery system can perform simultaneous heating and cooling operations through the smart MS box. That changes the operating mode according to user requirements while increasing efficiency with simultaneous operation.

- Compact and lightweight. Easy to install.
- No drain pipes needed.
- Up to 8 indoor units can be connected, with capacity up to 32kw.
- Dual direction connection for refrigerant piping to improve installation flexibility
- High precision electronic ball valve, 3200 steps.
  - Complete valve closure.
  - Low noise level when opening and closing.
  - Cooling at ambient temperatures down to -15°C
  - High precision coolant flow control.
  - Silent operation.

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V10+R

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

UP TO 64 CONNECTABLE UNITS

UP TO 151.1kW

UP TO 130% SIMULTANEITY

DC inverter — DC Inverter compressor and fans

R410A — Refrigerant gas

Wide operating range

Automatic directionality

Evaporation system

High efficiency in heating and cooling

MODELS			HTW-HRV0252FI16V10R	HTW-HRV0280FI20V10R	HTW-HRV0335FI24V10R
Capacity		HP	8	10	12
Power supply		V, P, Hz	380-415 (3 Phases~50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	22.4	28.0	33.5
	Consumption	kW	5.25	7.18	8.64
	EER		4.27	3.90	3.88
Heating capacity[2]	Capacity	kW	22.4	28.0	33.5
	Consumption	kW	3.96	5.46	6.57
	COP		5.66	5.13	5.10
FEATURES					
Indoor units connected	Total capacity		50-200% of the capacity of the outdoor unit		
	Maximum quantity		64		
Fan	Type		Propeller		
	Motor type		DC		
	Quantity		1		
	Static pressure	Pa	0,20,40,60,80 (Selectable)		
	Air flow	m^3/h	9000	9500	10000
	Transmission type		Direct		
Refrigerant	Type		R410A		
	Charged	kg	8		
Sound pressure level[3]		dB(A)	58	58	60
Sound power level		dB(A)	78	78	81
Ambient temperature	Cooling	°C	-15 ~ 52		
	Heating	°C	-25 ~ 19		
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	990×1635×790		
Net weight		kg	232		
CONNECTIONS					
Refrigerating pipe[4]	Liquid side	Inch.	1/2"		

MODELS			HTW-HRV0400FI28V10R	HTW-HRV0450FI32V10R	HTW-HRV0500FI36V10R
Capacity		HP	14	16	18
Power supply		V, P, Hz	380-415 (3 Phases~50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	40.0	45.0	50.0
	Consumption	kW	9.83	12.00	13.81
	EER		4.07	3.75	3.62
Heating capacity[2]	Capacity	kW	40.0	45.0	50.0
	Consumption	kW	8.26	9.78	11.90
	COP		4.84	4.60	4.20
FEATURES					
Connectable indoor units	Total capacity		50-200% of the capacity of the outdoor unit		
	Maximum quantity			64	
Fan	Type		Propeller		
	Motor type		DC		
	Quantity		2		
	Static pressure	Pa	0,20,40,60,80 (Selectable)		
	Air flow	m^3/h	14000	14900	15800
	Transmission type		Direct		
Refrigerant	Type		R410A		
	Charged	kg	10		
Sound pressure level[3]		dB(A)	61	64	65
Sound power level		dB(A)	81	88	88
Ambient temperature	Cooling	°C	-15 ~ 52		
	Heating	°C	-25 ~ 19		
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	1340×1635×825		
Net weight		kg	300		
CONNECTIONS					
Refrigerating pipe[4]	Liquid side	Inch.	5/8"		

Notes:
1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant pipe length 7.5m with zero level difference.
2. Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant pipe length 7.5m with zero level difference.
3. For single units, the diameters indicated are those of the unit shut-off valves. For combination units, the diameters indicated are those of the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid pipe lengths of less than 90m. For systems with total equivalent liquid pipe lengths of 90m or more, please refer to the Engineering Data Book for connecting pipe diameters.
4. The sound pressure level is measured at a position 1m in front of the unit and 1, m above the floor in a semi-anechoic chamber.

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HTW

QUALITY COMFORT EVERYWHERE

VRF Indoor units

Product range

VRF indoor units

kW	1,5	2,2	2,8	3,6	4,5	5,6	7,1	8	9	10	11,2	14	16	20	25	28	40	45	56
Wall mounted split		✓	✓	✓	✓	✓	✓		✓										
Duct		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓							
High pressure duct							✓				✓		✓	✓	✓	✓	✓	✓	✓
Ceiling & floor				✓	✓	✓	✓		✓			✓							
Ceiling & floor without housing			✓	✓	✓		✓												
2-way cassette (60x60)			✓		✓														
4-way compact cassette		✓	✓	✓	✓														
4-way cassette					✓	✓	✓	✓		✓		✓							
Console			✓	✓	✓														
AHU Kit									✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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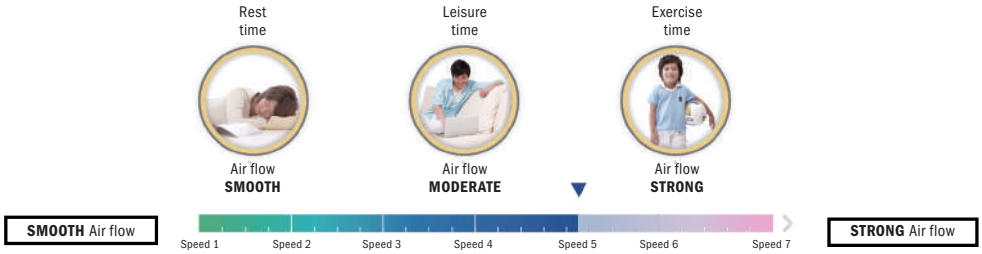
Common indoor unit features

7 fan speeds



GREAT VARIETY OF TYPES AND POWERS AVAILABLE

DC Inverter fan motor

DC fan motors which are incorporated into the indoor units significantly reduce consumption.

Silent mode

The new silent function reduces fan speed to a minimum in order to eliminate any discomfort.

New range of controllers with high performance

- Bidirectional signal.
- Weekly programming option.
- Reading of operating parameters.
- 0.5°C temperature control.

*Optional controllers

HTW-RM05B
Remote control, 2nd generation Inverter

HTW-WDC86EKD
Wired controller, 2nd generation Inverter

HTW-WDC120GWK
Wired controller, weekly schedule, 2nd generation Inverter

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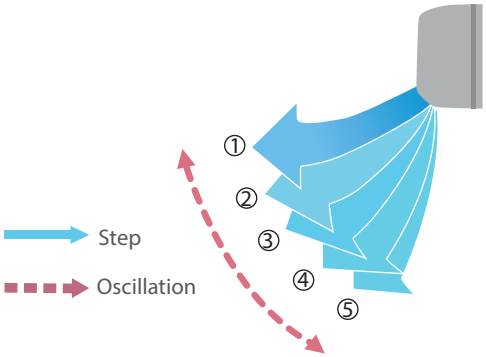
Wall mounted split

- Flexible installation, refrigeration connections can be made on the right, on the left or on the back.
- 5 positions of the slat to better focus the air outlet.



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

R410A Refrigerant gas

DC inverter DC Inverter fans

Optional controllers*

MODELS			HTW-MI 222GDN1	HTW-MI 228GDN1	HTW-MI 236GDN1	HTW-MI 245GDN1	HTW-MI 256GDN1	HTW-MI 271GDN1	HTW-MI 290GDN1
Power supply		V,P,Hz	220-240V (1 Phase~ 50Hz)						
PERFORMANCE									
Cooling capacity[1]	Capacity	kW	2,2	2,8	3,6	4,5	5,6	7,1	9
	Consumption	W	28	28	30	40	45	55	82
Heating capacity[2]	Capacity	kW	2,4	3,2	4	5	6	8	10
	Consumption	W	28	28	30	40	45	55	82
FEATURES									
Indoor unit	Sound power level	dB(A)	46/45/45/45/44/44/44	46/45/45/45/44/44/44	48/47/47/46/46/45/45	50/49/48/48/47/46/46	53/52/51/51/50/49/49	59/58/57/54/53/52/51	63/61/60/58/56/55/53
	Sound pressure level[4]	dB(A)	31/30/30/30/29/29/29	31/30/30/30/29/29/29	33/32/32/31/31/30/30	35/34/33/33/32/31/31	38/37/36/36/35/34/34	44/43/42/39/38/37/36	48/46/45/43/41/40/38
	Air flow[3]	m^3/h	422/411/402/393/380/368/356	417/402/386/370/353/338/316	656/628/591/573/544/515/488	594/563/535/507/478/450/424	747/713/685/648/613/578/547	1195/1130/1065/1005/940/875/809	1421/1300/1125/1067/1005/934/867
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
DIMENSIONS & WEIGHT									
Indoor unit	Net dimensions (W×H×D)[5]	mm	835×280×203		990×315×223			1194×343×262	
	Gross dimensions (WxHxD)	mm	935×385×320		1085×420×335			1290×375×460	
	Net weight	Kg	8,4	9,5	11,4	12,8	12,8	17	17
CONNECTIONS									
Refrigerating pipe	Liquid side- gas side	Inch.	1/4" - 1/2"				3/8" - 5/8"		
	Drainage	mm	16 Ø				16 Ø		
Electrical connections	Power supply	mm	2x2,5+T	2x2,5+T	2x2,5+T	2x2,5+T	2x2,5+T	2x2,5+T	2x2,5+T
	Communication	mm	3X0,75+T	3X0,75+T	3X0,75+T	3X0,75+T	3X0,75+T	3X0,75+T	3X0,75+T

NOTES:

1. Indoor temperature 27 °C BS, 19 °C BH; outdoor temperature 35 °C BS; equivalent pipe length 7.5m without drop
2. Indoor temperature 20 °C BS; outdoor temperature 7 °C BS, 6 °C BH; equivalent pipe length 7.5m without difference in level.
3. The sound pressure level is from the highest to the lowest value, with a total of 7 levels for each model. The sound pressure is measured at a distance of 1.4m in a semi-anechoic chamber.
4. The air flow rate is from the highest to the lowest speed, a total of 7 speeds for each model.
5. The dimensions are the largest dimensions of the unit, including the fasteners.

*Optional controllers

HTW-RM05B
Remote control, 2nd generation Inverter

HTW-WDC86EKD
Wired controller, 2nd generation Inverter

HTW-WDC120GWK
Wired controller, weekly schedule, 2nd generation Inverter

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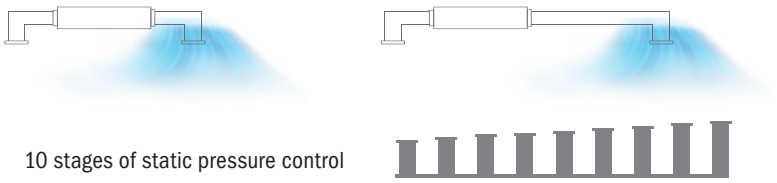
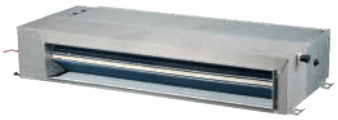
Duct

- Static pressure up to 150 Pa depending on capacity, adjustable in 10 stages according to model.



10 stages of static pressure control



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

UP TO 150 Pa

DC inverter — DC Inverter fans

R410A — Refrigerant gas

Double option air intake

Filter included

Condensate pump

Optional controllers*

10 — Pressure control static in 10 stages

Fresh air intake

MODELS

			HTW-MI222 T2DN1	HTW-MI228 T2DN1	HTW-MI236 T2DN1	HTW-MI245 T2DN1
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)			
PERFORMANCE						
Cooling capacity[1]	Capacity	kW	2,2	2,8	3,6	4,5
	Consumption	W	40	40	45	92
Heating capacity[2]	Capacity	kW	2,6	3,2	4	5
	Consumption	W	40	40	45	92
FEATURES						
Indoor unit	Sound power level	dB(A)	50/49/47/ 46/44/43/41	50/49/47/ 46/44/43/41	51/50/49/ 48/46/45/43	54/52/50/ 49/47/45/43
	Sound pressure level[5]	dB(A)	32/31/29/ 28/26/25/23	32/31/29/ 28/26/25/23	33/32/31/ 30/28/27/25	36/34/32/ 31/29/27/25
	Static pressure (rated - max)[4]	Pa	10 (0~50)			
	Air flow[3]	m^3	520/480/440/ 400/360/330/300	520/480/440/ 400/360/330/300	580/540/500/ 460/430/400/370	800/740/680/ 620/540/480/400
Refrigerant	Type		R410A	R410A	R410A	R410A
DIMENSIONS & WEIGHT						
Indoor unit	Net dimensions (W×H×D)[6]	mm	780x210x500			1000x210x500
	Net weight	Kg	21			29
CONNECTIONS						
Refrigerating pipe	Liquid side- gas side	Inch.	1/4" - 1/2"			1/4" - 1/2"
	Drainage	mm	25 Ø			
Conexiones eléctricas	Power supply	mm	2x2,5+T	2x2,5+T	2x2,5+T	2x2,5+T
	Communication	mm	3X0,75+T	3X0,75+T	3X0,75+T	3X0,75+T

NOTES:

1. Indoor temperature 27°C BS, 19°C BH; outdoor temperature 35°C BS; equivalent pipe length 7.5m with no difference in level.
2. Indoor temperature 20°C BS; outdoor temperature 7°C BS, 6°C BH; equivalent pipe length 7.5m with no difference in level.
3. The air flow rate is from the highest to the lowest speed, a total of 7 speeds for each model.
4. Static operating pressure range.
5. The sound pressure level is from the highest to the lowest value, with a total of 7 levels for each model. The sound pressure is measured at a distance of 1.4m in a semi-anechoic chamber.
6. The dimensions are the largest dimensions of the unit, including the fasteners.

*Optional controllers

HTW-RM05B
Remote control, 2nd generation Inverter

HTW-WDC86EKD
Wired controller, 2nd generation Inverter

HTW-WDC120GWK
Wired controller, weekly schedule, 2nd generation Inverter

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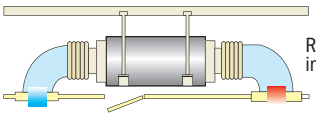
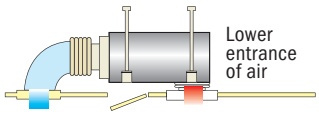
Duct

- Includes 750 mm condensate pump.
- Flexibility of installation, the air inlet can be located either at the rear of the duct or at the bottom.





MODELS			HTW-MI256 T2DN1	HTW-MI271 T2DN1	HTW-MI280 T2DN1	HTW-MI290 T2DN1	HTW-MI2112 T2DN1	HTW-MI2140 T2DN1
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)					
PERFORMANCE								
Cooling capacity[1]	Capacity	kW	5,6	7,1	8	9	11,2	14
	Consumption	W	92	98	110	120	200	250
Heating capacity[2]	Capacity	kW	6	8	9	10	13	15,5
	Consumption	W	92	98	110	120	200	250
FEATURES								
Indoor unit	Sound power level	dB(A)	54/52/51/ 50/48/47/46	55/53/51/ 50/48/47/46	55/53/52/ 51/49/47/46	55/53/52/ 51/49/47/46	57/56/56/ 55/53/52/51	59/57/56/ 55/54/53/51
	Sound pressure level[5]	dB(A)	36/34/33/ 32/30/29/28	37/35/33/ 32/30/29/28	37/35/34/ 33/31/29/28	37/35/34/ 33/31/29/28	39/38/38/ 37/35/34/33	41/39/38/ 37/36/35/33
	Static pressure (rated - max)[4]	Pa	10 (0~50)		20 (10~100)			40 (30~150)
	Air flow[3]	m^3/h	830/760/720/ 680/640/ 600/560	1000/960/900/ 840/780/ 720/680	1260/1180/1100/ 1020/940/ 860/780	1260/1180/1100/ 1020/940/ 860/780	1500/1430/1360/ 1290/1210/ 1140/1080	1960/1860/1760/ 1660/1560/ 1460/1360
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
DIMENSIONS & WEIGHT								
Indoor unit	Net dimensions (W×H×D)[6]	mm	1000x210x500	1220x210x500	1230×270×775		1230×270×775	1290x300x865
	Net weight	Kg	29		36,5		37	46,5
CONNECTIONS								
Refrigerating pipe	Liquid side- gas side	Inch.	3/8" - 5/8"		3/8" - 5/8"		3/8" - 5/8"	
	Drainage	mm	25 Ø					
Electrical connections	Power supply	mm	2x2,5+T	2x2,5+T	2x2,5+T	2x2,5+T	2x2,5+T	2x2,5+T
	Communication	mm	3X0,75+T	3X0,75+T	3X0,75+T	3X0,75+T	3X0,75+T	3X0,75+T

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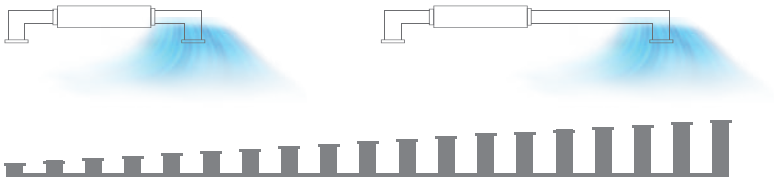
High pressure duct

- Static pressure of up to 400 Pa depending on the capacity, adjustable in 20 stages.



Pressure control static in 20 stages

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

UP TO 400 Pa

DC inverter — DC Inverter fan

R410A — Refrigerant gas

Optional controllers*

20 — Pressure control static in 20 stages

MODELS			HTW-MI271T1DN1	HTW-MI2112T1DN1	HTW-MI2160T1DN1	HTW-MI2200T1DN1
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)			
PERFORMANCE						
Cooling capacity[1]	Capacity	kW	7.1	11.2	16	20
	Consumption	W	180	380	700	990
Heating capacity[2]	Capacity	kW	8	12.5	17	22.5
	Consumption	W	180	380	700	990
FEATURES						
Indoor unit	Sound power level	dB(A)	60/59/58/58/57/57/56	66/65/64/63/61/60/59	64/63/62/61/60/59/58	69/68/68/67/67/66/65
	Sound pressure level[5]	dB(A)	42/41/40/40/39/39/38	48/47/46/45/43/42/41	46/45/44/43/42/41/40	51/50/50/49/49/48/47
	Static pressure (rated - max)[4]	Pa	100 (30~200)			170 (20 ~ 250)
	Air flow[3]	m^3/h	1360/1327/1293/1260/1227/1193/1160	1870/1783/1697/1610/1523/1437/1350	2660/2530/2400/2270/2140/2010/1880	4330/4230/4130/4030/3930/3830/3730
Refrigerant	Type		R410A	R410A	R410A	R410A
DIMENSIONS & WEIGHT						
Indoor unit	Net dimensions (W×H×D)[6]	mm	965×423×690	965×423×690	1322×423×691	1454×515×931
	Net weight	Kg	41	48	68	130
CONNECTIONS						
Refrigerating pipe	Liquid side- gas side	Inch.	3/8"- 5/8"			1/2"- 7/8"
	Drainage	mm	OD Ø25			OD 32 Ø
Electrical connections	Power supply	mm	2x2,5+T			
	Communication	mm	3x0,75+T			

NOTES:
1. Indoor temperature 27°C BS, 19°C BH; outdoor temperature 35°C BS; equivalent pipe length 7.5m with no difference in level.
2. Indoor temperature 20°C BS; outdoor temperature 7°C BS, 6 °C BH; equivalent pipe length 7.5m with no difference in level.
3. The air flow rate is from the highest to the lowest speed, a total of 7 speeds for each model.
4. Static operating pressure range.
5. The sound pressure level is from the highest to the lowest value, with a total of 7 levels for each model. The sound pressure is measured at a distance of 1.4m in a semi-anechoic chamber.
6. The dimensions are the largest dimensions of the unit, including the fasteners.

*Optional controllers

HTW-WDC86EKD
Wired controller, 2nd generation Inverter

HTW-WDC120GWK
Wired controller, weekly schedule, 2nd generation Inverter

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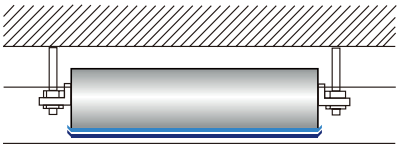
High pressure duct

- Double layer condensate tray for added protection.
- Redesign of the electronics and the refrigeration connection simplifying the installation work of the unit.

Double layer drain pan

A double layer drain pan provides double roof protection.



MODELS			HTW-MI2250T1DN1	HTW-MI2280T1DN1	HTW-MI2400T1DN1	HTW-MI2450T1DN1	HTW-MI2560T1DN1
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)				
PERFORMANCE							
Cooling capacity[1]	Capacity	kW	25	28	40	45	56
	Consumption	W	1200	1200	1800	1800	2272
Heating capacity[2]	Capacity	kW	26	31.5	45	56	63
	Consumption	W	1200	1200	1800	1800	2272
FEATURES							
Indoor unit	Sound power level	dB(A)	69/68/68/67/67/66/65	69/68/67/67/66/66/65	78/77/76/75/73/72/70		77/76/75/74/73/71/69
	Sound pressure level[5]	dB(A)	51/50/50/49/49/48/47	51/50/49/49/48/48/47	60/59/58/57/55/54/52		59/58/57/56/55/53/51
	Static pressure (rated - max)[4]	Pa	170 (20 ~ 250)		300 (100 ~ 400)		
	Air flow[3]	m^3/h	4330/4230/4130/4030/3930/3830/3730		6500/6150/5800/5450/5100/4750/4400		7400/7000/6600/6200/5800/5400/5000
Refrigerant	Type		R410A				
DIMENSIONS & WEIGHT							
Indoor unit	Net dimensions (W×H×D)[6]	mm	1454×515×931		2010×680×905		
	Net weight	Kg	130		220		218
CONNECTIONS							
Refrigerating pipe	Liquid side- gas side	Inch.	1/2"- 7/8"		5/8" - 1 1/8"		
	Drainage	mm	OD 32 Ø				
Electrical connections	Power supply	mm	2x2,5+T				
	Communication	mm	3x0,75+T				

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Ceiling & floor

Flexibility of installation, this unit can be installed both on the ceiling and on the floor.

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

R410A — Refrigerant gas

Optional controllers

Auto-swing function

Installation flexibility

MODELS

			HTW-MI236 DLDN1	HTW-MI245 DLDN1	HTW-MI256 DLDN1	HTW-MI271 DLDN1	HTW-MI290 DLDN1	HTW-MI2140 DLDN1
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)					
PERFORMANCE								
Cooling capacity[1]	Capacity	kW	3,6	4,5	5,6	7,1	9	14
	Consumption	W	49	115	115	115	130	180
Heating capacity[2]	Capacity	kW	4	5,0	6	8	10	15
	Consumption	W	49	115	115	115	130	180
FEATURES								
Indoor unit	Sound power level	dB(A)	53/52/51/ 51/50/ 49/49	56/55/54/ 54/52/ 51/51			58/57/56/ 56/55/ 54/53	60/59/58/ 58/57/ 56/55
	Sound pressure level[4]	dB(A)	40/39/38/ 38/37/ 36/36	43/42/41/ 41/39/ 38/38			45/44/43/ 43/42/ 41/40	47/46/45/ 45/44/ 43/42
	Air flow[3]	m^3/h	550/525/500/ 480/460/ 440/420	930/895/860/ 830/792/ 755/720			1280/1245/1210/ 1170/1130/ 1085/1050	1890/1830/1765/ 1700/1660/ 1620/1580
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
DIMENSIONS & WEIGHT								
Indoor unit	Net dimensions (W×H×D)[5]	mm	990×660×203				1280×660×203	1670×680×244
	Net weight	Kg	27	28			35	48
CONNECTIONS								
Refrigerating pipe	Liquid side- gas side	Inch.	1/4" - 1/2"		3/8" - 5/8"		3/8" - 5/8"	
	Drainage	mm	16 Ø				16 Ø	
Electrical connections	Power supply	mm	2x2,5+T					
	Communication	mm	3x0,75+T					

NOTES:

1. Indoor temperature 27°C BS, 19°C BH; outdoor temperature 35°C BS; equivalent pipe length 7.5m with no difference in level.
2. Indoor temperature 20°C BS; outdoor temperature 7°C BS, 6°C BH; equivalent pipe length 7.5m with no difference in level.
3. The air flow rate is from the highest to the lowest speed, a total of 7 speeds for each model.
4. The sound pressure level is from the highest to the lowest value, with a total of 7 levels for each model. The sound pressure is measured at a distance of 1.4m in a semi-anechoic chamber.
5. The dimensions are the largest dimensions of the unit, including the fasteners.

*Optional controllers

HTW-RM05B
Remote control, 2nd generation Inverter

HTW-WDC86EKD
Wired controller, 2nd generation Inverter

HTW-WDC120GWK
Wired controller, weekly schedule, 2nd generation Inverter

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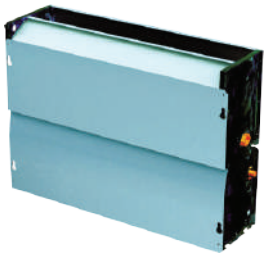
Ceiling & floor without housing



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

R410A — Refrigerant gas

Optional controllers

Installation flexibility

MODELS			HTW-MI228F3DN1	HTW-MI236F3DN1	HTW-MI245F3DN1	HTW-MI271F3DN1
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)			
PERFORMANCE						
Cooling capacity[1]	Capacity	kW	2,8	3,6	4,5	7,1
		kBtu/h	9,6	12,3	15,4	24,2
	Consumption	W	45	55	60	110
Heating capacity[2]	Capacity	kW	3,2	4,0	5,0	8,0
		kBtu/h	10,9	13,6	17,1	27,3
	Consumption	W	45	55	60	110
FEATURES						
Indoor unit	Sound power level	dB(A)	54/53/52/51/49/48/47	55/54/53/52/51/49/48		62/60/58/57/55/53/51
	Sound pressure level[3]	dB(A)	36/35/34/33/31/30/29/ 36/35/34/33/31/30/29	37/36/35/34/32/31/30		44/42/40/39/37/35/33
	Air flow	m^3/h	569/540/515/485/462/443/421	624/591/557/522/473/420/375	660/625/583/542/501/475/440	1380/1290/1205/1100/1033/955/870
DIMENSIONS & WEIGHT						
Indoor unit	Net dimensions (W×H×D)[4]	mm	840×545×220	1040×545×220		1340×545×220
	Net weight	Kg	21,4	26,1		31
CONNECTIONS						
Refrigerating pipe	Liquid side- gas side	Inch.	1/4" - 1/2"			3/8" - 5/8"
	Drainage	mm	Ø16			

NOTES:

1. Indoor temperature 27°C BS, 19°C BH; outdoor temperature 35°C BS; equivalent pipe length 7.5m with no difference in level.
2. Indoor temperature 20°C BS; outdoor temperature 7°C BS, 6°C BH; equivalent pipe length 7.5m with no difference in level.
3. Sound pressure level is measured 1 m in front and 1 m above the floor in a semi-anechoic chamber.
4. The dimensions are the largest dimensions of the unit, including the fasteners.

*Optional controllers

HTW-WDC86EKD
Wired controller, 2nd generation Inverter

HTW-WDC120GWK
Wired controller, weekly schedule, 2nd generation Inverter

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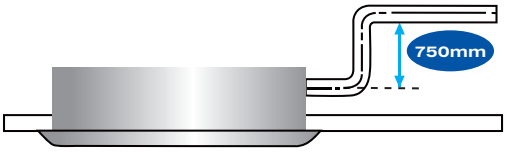
2-way cassette

- Condensate pump included with 750 mm elevation.
- Silent operation.



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

R410A — Refrigerant gas

Compact design

Condensate pump

Remote control

MODELS

			HTWD28Q2N1	HTWD45Q2N1
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)	
PERFORMANCE				
Cooling capacity[1]	Capacity	kW	2,8	4,5
	Consumption	W	57	92
Heating capacity[2]	Capacity	kW	3,2	5
	Consumption	W	57	92
FEATURES				
Indoor unit	Sound pressure level	dB(A)	36/32/29	39/35/30
	Air flow	m^3/h	654/530/410	850/670/550
Refrigerant	Type		R410A	R410A
DIMENSIONS & WEIGHT				
Indoor unit	Net dimensions (W×H×D)	mm	1172x299x591	
	Net weight	Kg	34	36,5
Panel	Net dimensions (W×H×D)	mm	1430x90x680	1430x90x680
	Net weight	Kg	10,5	
CONNECTIONS				
Refrigerating pipe	Liquid side- gas side	Inch.	1/4" - 1/2"	
	Drainage	mm	32 Ø	
Electrical connections	Power supply	mm2	3 x 2,5 (L≤20m); 3 x 3,5 (L≤50m)	
	Communication	mm2	3X0,75+T	

NOTES:

1. The nominal cooling capacities are based on the following conditions: return air temperature 27°CDB/19°CWB, outdoor temperature 35°CDB, pipe ref. equivalence: 8m (horizontal). outdoor temperature 35°CDB, Pipe ref. equivalence: 8m (horizontal).

2. The nominal heating capacities are based on the following conditions: return air temperature 20°CDB, outdoor temperature 7°CDB/6°CWB, outdoor temperature 7°CDB/6°CWB. 7°CDB/6°CWB, Pipework ref. equivalence: 8m (horizontal).

*** Calculated for a maximum height of approx. 2.5m.**

*Optional controllers

HTW-RM05B
Remote control, 2nd generation Inverter

HTW-WDC86EKD
Wired controller, 2nd generation Inverter

HTW-WDC120GWK
Wired controller, weekly schedule, 2nd generation Inverter

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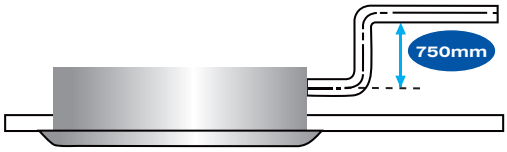
4-way compact cassette

- 360º air outlet.
- Condensate pump included with 750 mm elevation.



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

R410A — Refrigerant gas

Compact design

Condensate pump

Removable panel

360º air movement

Width reduced

Optional controllers*

MODELS

			HTW-MI222Q4CDN1	HTW-MI228Q4CDN1	HTW-MI236Q4CDN1	HTW-MI245Q4CDN1
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)			
PERFORMANCE						
Cooling capacity[1]	Capacity	kW	2,2	2,8	3,6	4,5
	Consumption	W	35	35	40	50
Heating capacity[2]	Capacity	kW	2,4	3,2	4	5
	Consumption	W	35	35	40	50
FEATURES						
Indoor unit	Sound power level	dB(A)	51/50/49/45/42/39/38	51/50/49/45/42/39/38	56/53/50/47/45/44/43	56/53/50/47/45/44/43
	Sound pressure level[4]	dB(A)	35/34/33/29/26/23/22	35/34/33/29/26/23/22	41/38/35/32/30/29/28	41/38/35/32/30/29/28
	Air flow[3]	m^3/h	576/552/524/503/462/441/405	576/552/524/503/462/441/405	604/573/541/516/478/434/400	604/573/541/516/478/434/400
Refrigerant	Type		R410A	R410A	R410A	R410A
DIMENSIONS & WEIGHT						
Indoor unit	Net dimensions (W×H×D)[5]	mm	630×260×570			
	Net weight	Kg	18	18	19,2	19,2
Panel	Net dimensions (W×H×D)[5]	mm	647×50×647			
	Net weight	Kg	2,5			
CONNECTIONS						
Refrigerating pipe	Liquid side- gas side	Inch.	1/4" - 1/2"			
	Drainage	mm	32 Ø			
Electrical connections	Power supply	mm	2x2,5+T	2x2,5+T	2x2,5+T	2x2,5+T
	Communication	mm	3X0,75+T	3X0,75+T	3X0,75+T	3X0,75+T

NOTES:

1. Indoor temperature 27ºC BS, 19ºC BH; outdoor temperature 35ºC BS; equivalent pipe length 7.5m with no difference in level.
2. Indoor temperature 20ºC BS; outdoor temperature 7ºC BS, 6ºC BH; equivalent pipe length 7.5m with no difference in level.
3. The air flow rate is from the highest to the lowest speed, a total of 7 speeds for each model.
4. The sound pressure level is from the highest to the lowest value, with a total of 7 levels for each model. The sound pressure is measured at a distance of 1.4m in a semi-anechoic chamber.
5. The dimensions are the largest dimensions of the unit, including the fasteners.

*Optional controllers

HTW-RM05B
Remote control, 2nd generation Inverter

HTW-WDC86EKD
Wired controller, 2nd generation Inverter

HTW-WDC120GWK
Wired controller, weekly schedule, 2nd generation Inverter

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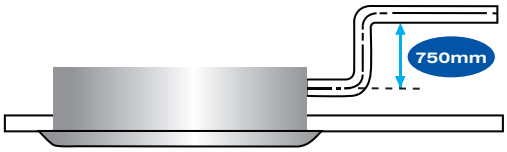
4-way cassette

- 4 air outlets to achieve an optimal air distribution.
- Fresh air intake
- Condensate pump included with up to 750 mm lift.



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

R410A — Refrigerant gas

Compact design

Condensate pump

Removable panel

Reduced height

Fresh air intake

4 air outlets

Optional controllers*

MODELS

			HTW-MI245 Q4DN1	HTW-MI256 Q4DN1	HTW-MI271 Q4DN1	HTW-MI280 Q4DN1	HTW-MI2100 Q4DN1	HTW-MI2140 Q4DN1
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)					
PERFORMANCE								
Cooling capacity[1]	Capacity	kW	4,5	5,6	7,1	8	10	4,5
	Consumption	W	50	60	70	96	150	50
Heating capacity[2]	Capacity	kW	5	6,3	8	9	11	5
	Consumption	W	50	60	70	96	150	50
FEATURES								
Indoor unit	Sound power level	dB(A)	50/49/46/46/45/42/40	50/49/47/47/45/42/40	50/49/47/47/45/42/41	52/49/48/46/46/42/42	55/52/49/48/46/46/44	56/55/52/49/48/46/46
	Sound pressure level[4]	dB(A)	35/34/31/31/30/28/26	35/34/31/31/30/28/26	35/35/34/31/30/28/27	36/35/34/31/31/29/28	38/36/35/34/31/31/30	39/37/36/35/34/31/31
	Air flow[3]	m^3/h	893/866/804/744/714/698/635	893/866/804/744/714/698/635	977/937/864/800/778/738/671	1203/1131/1064/977/912/840/774	1641/1544/1431/1309/1225/1198/1143	1662/1574/1448/1348/1253/1219/1170
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
DIMENSIONS & WEIGHT								
Indoor unit	Net dimensions (W×H×D)[5]	mm	840×230×840	840×230×840			840×300×840	
	Net weight	Kg	23,2	23,2	23,2	23,2	28,4	28,4
Panel	Net dimensions (W×H×D)[5]	mm	950×54.5×950					
	Net weight	Kg	5					
CONNECTIONS								
Refrigerating pipe	Liquid side- gas side	Inch.	3/8" - 5/8"					
	Drainage	mm	32 Ø					
Electrical connections	Power supply	mm	2x2,5+T					
	Communication	mm	3X0,75+T					

NOTES:

1. Indoor temperature 27°C BS, 19°C BH; outdoor temperature 35°C BS; equivalent pipe length 7.5m with no difference in level.
2. Indoor temperature 20°C BS; outdoor temperature 7°C BS, 6°C BH; equivalent pipe length 7.5m with no difference in level.
3. The air flow rate is from the highest to the lowest speed, a total of 7 speeds for each model.
4. The sound pressure level is from the highest to the lowest value, with a total of 7 levels for each model. The sound pressure is measured at a distance of 1.4m in a semi-anechoic chamber.
5. The dimensions are the largest dimensions of the unit, including the fasteners.

*Optional controllers

HTW-RM05B
Remote control, 2nd generation Inverter

HTW-WDC86EKD
Wired controller, 2nd generation Inverter

HTW-WDC120GWK
Wired controller, weekly schedule, 2nd generation Inverter

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Console

It has 4 air inlets and 2 outlets to ensure air distribution and provide a greater sense of comfort.

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

R410A — Refrigerant gas

Optional controllers*

Only for floor

4 air inlets and 2 configurable air outlets

MODELS			HTW-MI228ZDN1	HTW-MI236ZDN1	HTW-MI245ZDN1
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	2,8	3,6	4,5
	Consumption	W	25	25	35
Heating capacity[2]	Capacity	kW	3,2	4,0	5
	Consumption	W	25	25	35
FEATURES					
Indoor unit	Sound power level	dB(A)	55/53/51/49/47/45/43	55/53/51/49/47/45/43	58/57/56/55/53/52/52
	Sound pressure level[4]	dB(A)	39/37/35/33/31/29/27	39/37/35/33/31/29/27	42/41/40/39/37/36/36
	Air flow[3]	m^3/h	510/482/456/430/355/286/229	510/482/456/430/355/286/229	660/614/561/512/478/436/400
Refrigerant	Type		R410A	R410A	R410A
DIMENSIONS & WEIGHT					
Indoor unit	Net dimensions (W×H×D)[5]	mm	700×600×210		
	Net weight	Kg	15		
CONNECTIONS					
Refrigerating pipe	Liquid side- gas side	Inch.	1/4" - 1/2"		
	Drainage	mm	16 Ø		
Electrical connections	Power supply	mm	2x2,5+T	2x2,5+T	2x2,5+T
	Communication	mm	3X0,75+T	3X0,75+T	3X0,75+T

NOTES:

1. Indoor temperature 27°C BS, 19°C BH; outdoor temperature 35°C BS; equivalent pipe length 7.5m with no difference in level.
2. Indoor temperature 20°C BS; outdoor temperature 7°C BS, 6°C BH; equivalent pipe length 7.5m with no difference in level.
3. The air flow rate is from the highest to the lowest speed, a total of 7 speeds for each model.
4. The sound pressure level is from the highest to the lowest value, with a total of 7 levels for each model. The sound pressure is measured at a distance of 1.4m in a semi-anechoic chamber.
5. The dimensions are the largest dimensions of the unit, including the fasteners.

*Optional controllers

HTW-RM05B
Remote control, 2nd generation Inverter

HTW-WDC86EKD
Wired controller, 2nd generation Inverter

HTW-WDC120GWK
Wired controller, weekly schedule, 2nd generation Inverter

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AHU Kit

Wide capacity range

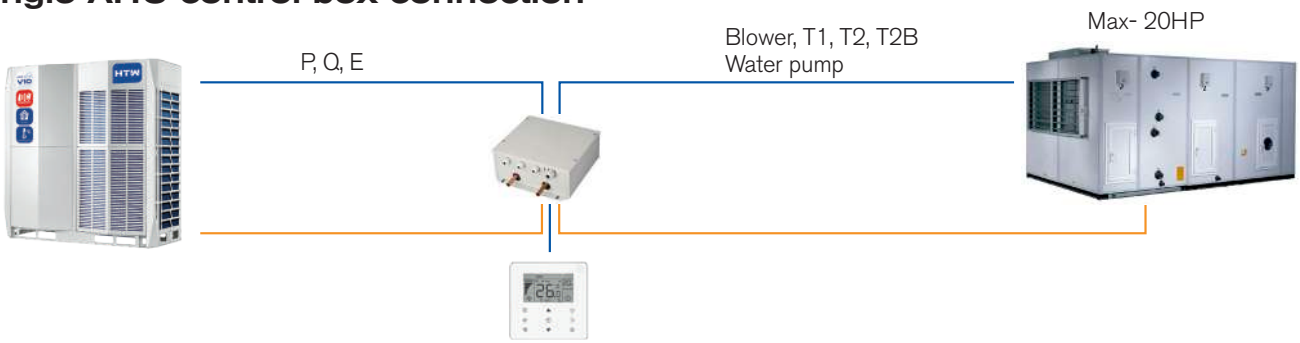
The **AHU kit** is an accessory that allows you to connect an air conditioner with a direct expansion battery up to 56 kW to VRF systems. The AHU control box can be connected to the outdoor unit as one more indoor unit within the refrigeration circuit. The accessory incorporates everything necessary to carry out the installation: control, expansion valves, temperature probes, wiring and electrical panel.

This accessory is compatible with the entire **V10 range.**

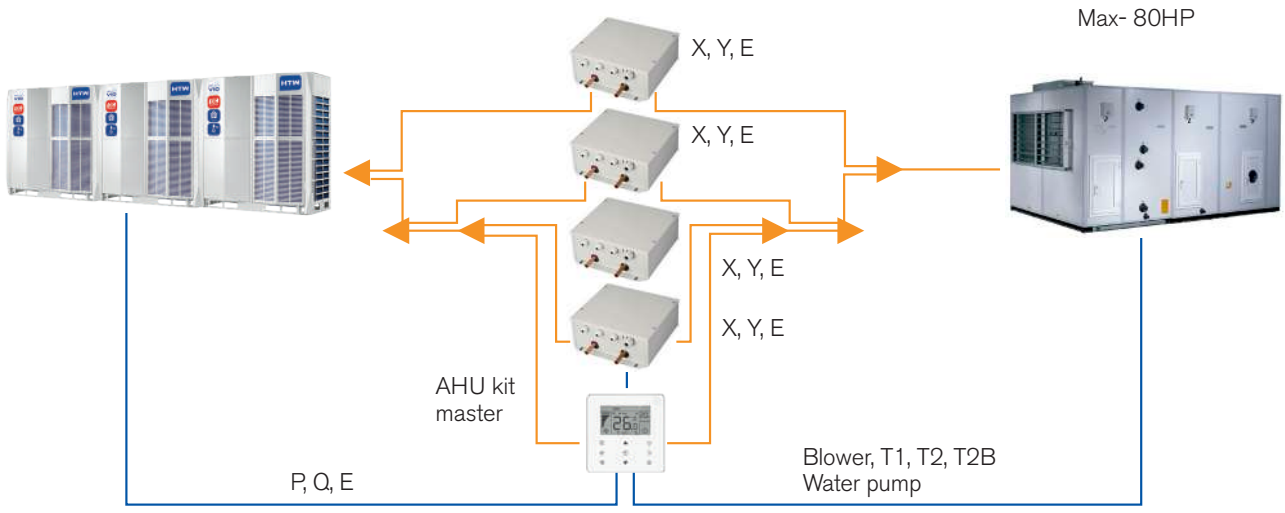
Great adaptability

The AHU kit allows us to add direct expansion coil air conditioners to our 2-pipe VRF V10 systems, thus increasing the adaptability of these units to the maximum possible installations. This system allows us to add AHU units in parallel, either to control direct expansion exchangers with more cooling capacity than 56 kW or to control several batteries in parallel within the same air conditioner.

Single AHU control box connection



Connecting multiple AHU control boxes



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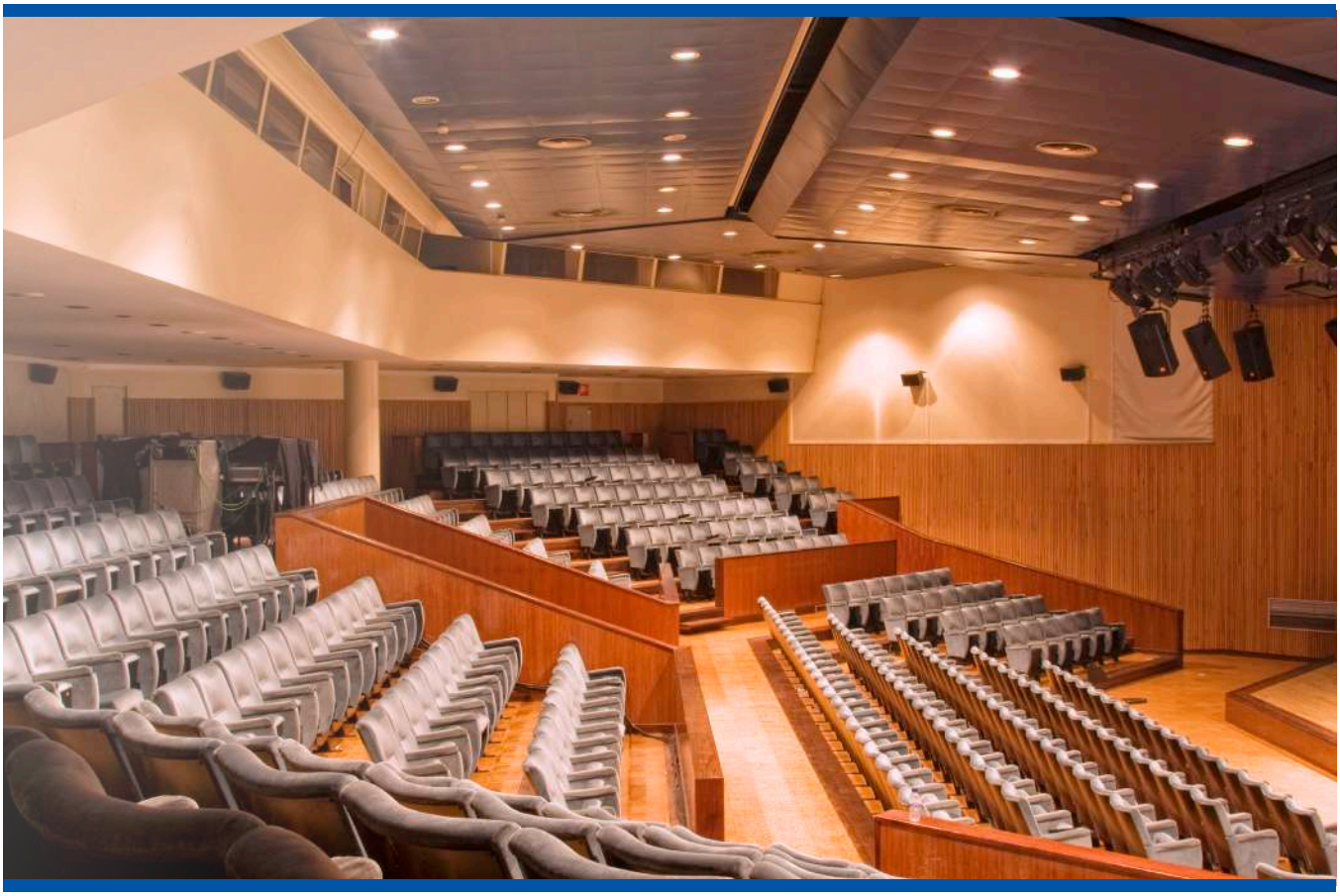
AHU Kit



MODEL		HTW-AHUKZ01D	HTW-AHUKZ02D	HTW-AHUKZ03D
Power supply	V, P, Hz	220-240V (1 Phase~ 50Hz)		
Capacity A	kW	9 ≤ A ≤ 20	20<A ≤ 36	6<A≤ 56
Liquid pipe (inlet/outlet)	mm	Ø9.53/ Ø9.53	Ø12.7/ Ø 12.7	Ø15.9/ Ø15.9
Net dimensions (W×H×D)	mm	341x133x395		
Net weight	kg	5.7	5.8	6.0
Operation range (coil cooling)	°C	17-43		
Operation range (coil heating)	°C	10-30		
Applicable outdoor units		Heat pump / heat recovery / cooling only		

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HTW
QUALITY COMFORT EVERYWHERE
VRF Controllers
HTW

Controllers

Individual

HTW-RM05B **HTW-WDC86EKD** **HTW-WDC120GWK**

Centralized

HTW-CCM-180A/WS **HTW-CCM-270A/WS**

Web control

HTW-CCM15

BMS

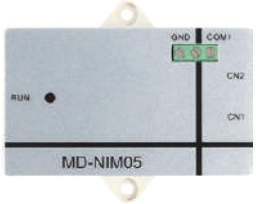
Lonworks: **HTW-MDLONGW64/E I**

Modbus: **HTW-CCM18ANE**

Bacnet: **HTW-MDCCM08**

KNX: **HTW-MDACKNX**

Accessories



HTW-NIM05E1

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Controllers

Individual

HTW-RM05B

- Temperature selection with precision 0.5 ºC.
- Addressing indoor units.
- Silence function.
- LED function.

HTW-WDC86EKD

- Temperature selection with precision 0.5 ºC
- Addressing indoor units.
- Silence function.
- LED function.
- Check operating parameters.
- Master slave function.
- Two-way communication.
- Temperature limitation.
- 2-wire communication without polarity.

HTW-WDC120GWK

- Temperature selection with precision 0.5 ºC
- Addressing indoor units.
- Silence function.
- LED function.
- Check operating parameters.
- Master slave function.
- Two-way communication.
- Temperature limitation.
- 2-wire communication without polarity.
- Weekly schedule.
- Group control up to 16 indoor units.

Web control

CCM15

- Up to 64 indoor units.
- Control via APP or web browser.
- Weekly schedule.
- Group management

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Controllers

Centralized

CCM-180A/WS

- 6.2” touch screen.
- Up to 64 indoor units.
- Weekly schedule.
- Group control.
- Easy and intuitive.

CCM-270A/WS

- 10” touch screen.
- Up to 384 indoor units.
- Weekly schedule.
- Group control.
- Easy and intuitive.
- Building layout.
- Web function.

BMS

LONWORKS

- **HTW-MDLONGW64/E I:**
  Lonworks protocol up to 64 indoor units.

MODBUS

- **HTW-CCM18ANE:**
  Modbus protocol up to 64 indoor units.

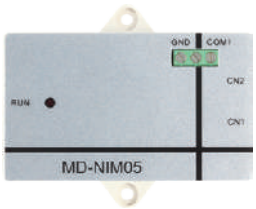
BACNET

- **HTW-MDCCM08:**
  Bacnet protocol up to 256 indoor units.

KNX

- **HTW-MDACKNX:**
  KNX protocol for an indoor unit.

Control accessories



HTW-NIM05E1

- External gear stop connection for hotel card holder.

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HTW

QUALITY COMFORT EVERYWHERE

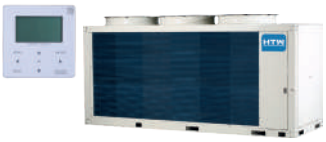
CHILLERS

Product range

Mini Chiller Inverter

	7kW	10kW	12kW	14kW	16kW
220~240V 1PH~50Hz	☑	☑	☑		
380~415V 3PH~50Hz			☑	☑	☑

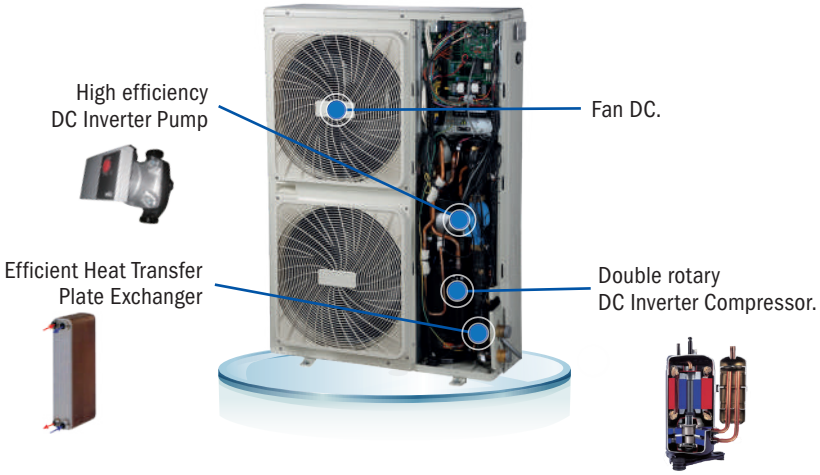
Chiller Inverter

	30kW	60kW	90kW
with Hydraulic Kit			
Without Hydraulic Kit			

HTW se reserva todos los derechos a modificar modelos y datos técnicos sin previo aviso. Información válida salvo error tipográfico o de imprenta.

Mini Chiller Inverter

Effective Units

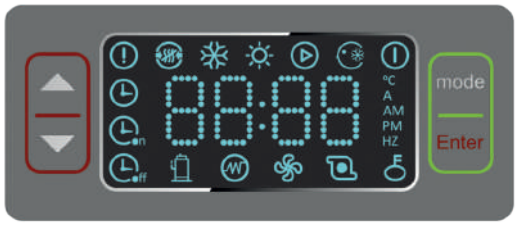


Space-saving

0,42 m²

0,51 m²

Multiple control options



Integrated in the equipment:

- ON/OFF and operating mode.
- Temperature setting.
- Timer.
- Auto diagnosis.

HTW-KJR120F1BMKE

Optional wiring:

- Touch control.
- LCD Screen.
- Programming.
- Clock.
- To install in an accessible place.

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Mini Chiller Inverter

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fans

R410A — Refrigerant gas

Integrated control

MODELS

			HTW-MGCV7WD2N1	HTW-MGCV10WD2N1	HTW-MGCV12WD2N1
Power supply		V, P, Hz	220-240V (1 Phase ~ 50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	7.0	10.0	11.2
	Consumption	kW	2.25	2.95	3.5
	EER	W	3.11	3.39	3.20
Cooling capacity[2]	Capacity	kW	8.0	10.6	12.2
	Consumption	kW	1.85	2.5	2.65
	EER	W	4.32	4.24	4.60
Heating capacity[3]	Capacity	kW	8.0	11.0	12.3
	Consumption	kW	2.5	3.14	3.78
	COP	W	3.20	3.50	3.25
Heating capacity[4]	Capacity	kW	8.6	11.5	13.0
	Consumption	kW	2.10	2.65	2.92
	COP	W	4.10	4.34	4.45
Seasonal heating energy efficiency class			A+		
FEATURES					
Compressor	Type		Rotary		
External fan	Motor type		DC Motor		
Air heat exchanger	Type		Finned tube		
Water heat exchanger	Type		Plate heat exchanger		
Water pump	Pump head	m	6.2	7.0	7.0
Refrigerant	Type		R410A		
	Charged	kg	2.5	2.8	2.8
Ambient temp. range	Cooling/Heating	°C	-5~46/-15~27		
Water outlet temp. range	Cooling/Heating	°C	4~20/35~54		
Expansion valve			Electronic expansion valve		
Sound power level[5]		dB(A)	66	68	68
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	1008×963×396	970×1327×400	970×1327×400
Net weight		Kg	81	110	110
CONNECTIONS					
Hydraulic connections	Water inlet/outlet	Inch.	1"	1-1/4"	1-1/4"

MODELS

			HTW-MGCV12WD2RN1	HTW-MGCV14WD2RN1	HTW-MGCV16WD2RN1
Power supply		V, P, Hz	380-415V (3 Phases, 50 Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	11.2	12.5	14.5
	Consumption	kW	3.38	3.90	4.70
	EER	W	3.31	3.20	3.10
Cooling capacity[2]	Capacity	kW	12.2	14.2	15.6
	Consumption	kW	2.60	3.10	3.60
	EER	W	4.69	4.58	4.33
Heating capacity[3]	Capacity	kW	12.3	13.8	16.0
	Consumption	kW	3.72	4.25	4.85
	COP	W	3.31	3.25	3.30
Heating capacity[4]	Capacity	kW	13.0	15.1	16.5
	Consumption	kW	2.85	3.35	3.92
	COP	W	4.56	4.51	4.21
Seasonal heating energy efficiency class			A+		
FEATURES					
Compressor	Type		Rotary		
External fan	Motor type		DC Motor		
Air heat exchanger	Type		Finned tube		
Water heat exchanger	Type		Plate heat exchanger		
Water pump	Pump head	m	7.0		
Refrigerant	Type		R410A		
	Charged	kg	2.8	2.9	3.2
Ambient temp. range	Cooling/Heating	°C	-5~46/-15~27		
Water outlet temp. range	Cooling/Heating	°C	4~20/35~54		
Expansion valve			Electronic expansion valve		
Sound power level[5]		dB(A)	68	70	72
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	970×1327×400		
Net weight		Kg	81	110	110
CONNECTIONS					
Hydraulic connections	Water inlet/outlet	Inch.	1-1/4"		

NOTES:

1. Cooling capacity:Condenser air 35°C. Evaporator water inlet/outlet 23 / 18°C.
2. Heating capacity: Evaporator air 7°C 85% of R.H. Condenser water inlet/outlet 30 / 35°C.
3. Test carried out at a distance of 1m in front of the unit in a semi-anechoic room (sound pressure).
4. Ambient temperature 7°C C85% R.H., water inlet / outlet 30/35°C.
5. The above data test reference standard EN14511; EN14825; EN50564; EN12102; (UE) No: 811; (UE) No: 813; DO 2014 / C 207/02.

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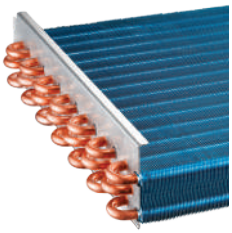
Chiller Inverter with Hydraulic Kit

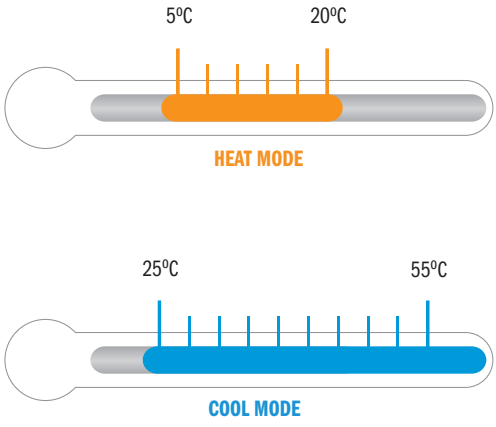
High quality components

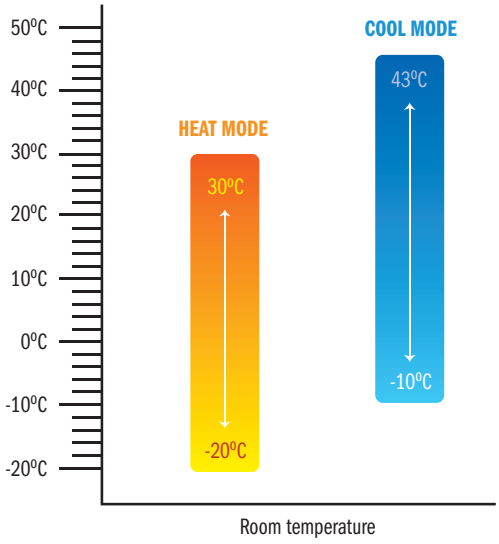
All the elements composing these units are chosen to provide maximum reliability and efficiency to the equipment.



Wide range of application

Stable operation even in extreme conditions: -20ºC a 43ºC. Wide temperature range of the outlet water. The lowest outlet temperature in cooling mode is 5ºC.





Wide range of application

The Hydraulic Kit includes:

- Pump.
- Expansion vessel.

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Chiller Inverter with Hydraulic Kit

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter compressors and fans

R32 — Refrigerant gas

R410A — Refrigerant gas

Wired controller

MODELS			HTW-MCSU30 MRN8LR32	HTW-MCSU60 MRN8LR32	HTW-MCSU90 MRN1L
Power supply (V, P, Hz)			380-415V (3 Phases, 50 Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	27.5	55	82
	Consumption	kW	11	23	38
	EER	–	2.5	2.39	2.16
Heating capacity[2]	Capacity	kW	32	62	90
	Consumption	kW	10.7	21.5	34
	COP	–	2.99	2.88	2.65
Seasonal heating energy efficiency class			A++	A+	-
FEATURES					
Compressor	Type	-	Rotary	Rotary	Scroll
	Quantity	-	1	2	2
Air-side heat exchanger		-	Finned tube		
Fan motor	Type	-	DC Motor		
	Quantity	-	1	2	3
Water heat exchanger	Type	-	Plate		
Pump head (for hydronic module)		m	15		
Refrigerant	Type	–	R32		R410A
	Charged	Kg	7.9	14	27
Accelerator			EXV	EXV + capillary	EXV
Sound power level		dB(A)	78	86	89
Operating temperature range	Cooling	ºC	-10~43		
	Heating	ºC	-15~30		-20~30
Supply water temperature	Cooling	ºC	0~20		
	Heating	ºC	25~54		25~55
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	1870×1175×1000	2220×1325×1055	3220x1513x1095
Net weight		Kg	315	515	710
HYDRAULIC PART					
Hydraulic connections		mm	DN40	DN50	

NOTES:

1. Cooling capacity: Inlet/outlet cold water temperature: 12/7ºC, outside ambient temperature 35ºC (dry bulb).

2. Heating capacity: Inlet/outlet hot water temperature: 40/45ºC, outside ambient temperature 7/6ºC (dry bulb/wet bulb).

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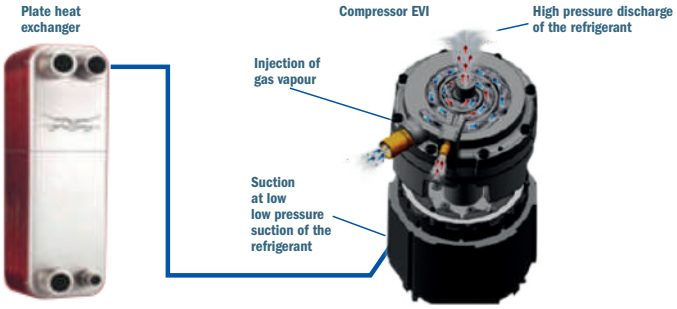
Chiller Inverter

EVI Technology

Due to the DC inverter compressor with vapour injection, HTW chillers can operate stably below -20°C and significantly improve the heating capacity.



Cycle alternation

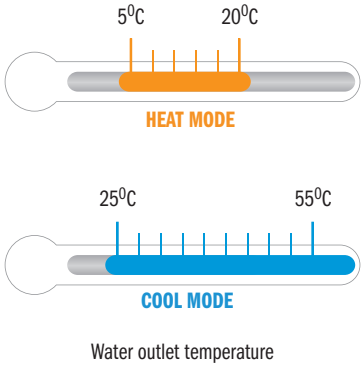
In a multiple system, the alternation of working cycle equals the operating time of each outdoor unit thereby extending the compressors lifetime.

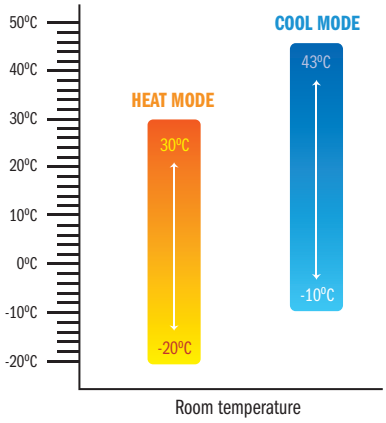
Efficiency

All the elements composing these units are chosen to provide maximum reliability and efficiency to the equipment.

Wide range of application

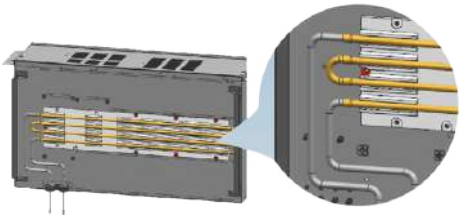
Stable operation even in extreme conditions: -20ºC a 43ºC. Wide temperature range of the outlet water. The lowest outlet temperature in cooling mode is 5ºC.





PCB cooling

HTW chillers use refrigerant to cool the electronic control box. It is possible to lower the average temperature of the electronic components by about 8 degrees, guaranteeing the stability and reliability of the operation of the control system.



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Chiller Inverter

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter compressors and fans

Refrigerant gas (R32)

Refrigerant gas (R410A)

Wired controller

MODELS			HTW-MCSU30 RN8LR32	HTW-MCSU60 RN8LR32	HTW-MCSU90 RN1L
Power supply (V, P, Hz)			380-415V (3 Phases, 50 Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	27.5	55	82
	Consumption	kW	10.3	21.5	36.8
	EER	–	2.67	2.56	2.23
Heating capacity[2]	Capacity	kW	32	62	90
	Consumption	kW	10	20	32.8
	COP	–	3.2	3.1	2.74
Seasonal heating energy efficiency class			A++		
FEATURES					
Compressor	Type	-	Rotary	Rotary	Scroll
	Quantity	-	1	2	2
Air-side heat exchanger		-	Finned tube		
Fan motor	Type	-	DC Motor		
	Quantity	-	1	2	3
Water heat exchanger	Type	-	Plate		
Refrigerant	Type	–	R32		R410A
	Charged	Kg	7.9	14	27
Accelerator			EXV	EXV + capillary	EXV
Sound power level		dB(A)	78	86	89
Operating temperature range	Cooling	°C	-10~43		
	Heating	°C	-14~30		-20~30
Supply water temperature	Cooling	°C	0~20		
	Heating	°C	25~54		25~55
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	1870×1175×1000	2220×1325×1055	3220x1513x1095
Net weight		Kg	300	480	710
HYDRAULIC PART					
Hydraulic connections		mm	DN40	DN50	

NOTES:

1. Cooling capacity: Inlet/outlet cold water temperature: 12/7°C, outside ambient temperature 35°C (dry bulb).

2. Heating capacity: Inlet/outlet hot water temperature: 40/45°C, outside ambient temperature 7/6°C (dry bulb/wet bulb).

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HTW

QUALITY COMFORT EVERYWHERE

FANCOIL Indoor units

Fancoil

Product range

kW	2	2,5	3	3,5	4	4,5	5	6	7	8	9	11
Wall mounted split			☑		☑		☑					
Compact cassette					☑	☑						
4-way cassette								☑		☑	☑	☑
Duct	☑		☑			☑			☑		☑	
Ceiling & floor		☑		☑		☑			☑			
Ceiling & floor without housing		☑		☑		☑			☑			

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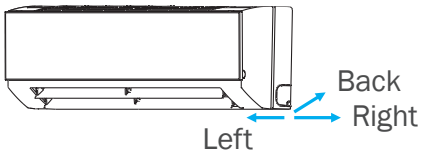
Wall mounted split Fancoil

- 2-tube fancoil.
- DC inverter fan.
- It includes remote control.



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

Auto-swing function

LED — LED Display

Remote control

Fácil — Easy installation

2-tube

MODELS

			HTW-MKG-V300B	HTW-MKG-V400B	HTW-MKG-V600B
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity (H,M,L)	kW	2,91/2,54/2,19	3,81/3,3/2,88	4,87/4,26/3,79
	Consumption (H,M,L)	W	15/11/9	34/22/15	38/26/18
Heating capacity[2]	Capacity (H,M,L)	kW	3,76/3,22/2,77	5,08/4,33/3,77	6,31/5,57/4,77
	Consumption (H,M,L)	W	14/10/8	31/20/14	33/23/16
FEATURES					
Sound pressure level		dB(A)	32/27/23	45/39/35	44/40/35
Water flow rate (H,M,L)		m^3/h	0,51/0,45/0,38	0,67/0,57/0,51	0,85/0,72/0,65
Air flow (H,M,L)		m^3/h	585/485/413	825/689/590	979/849/717
Water pressure drop heat (H,M,L)		kPa	40,64/27,03/20,9	61,94/37,88/30,3	51,65/36,3/30,3
DIMENSIONS & WEIGHT					
Indoor unit	Net dimensions (W×H×D)	mm	915x290x230	915x290x230	1.072x315x230
	Net weight	Kg	12,7	12,7	14,9
CONNECTIONS					
Pipe	Water inlet and outlet	Inch.	3/4"		
	Drainage	mm	20 Ø		

NOTES:
H: High fan speed; **M:** Medium fan speed; **L:** Low fan speed.
1. Cool mode: Air inlet temperature 27°C BS/ 19°C BH; Water inlet/outlet temperature 7°C/12°C.
2. Heating mode: Air inlet temperature 20°C BH; Water inlet temperature 50°C; Water flow rate same as in cooling mode.

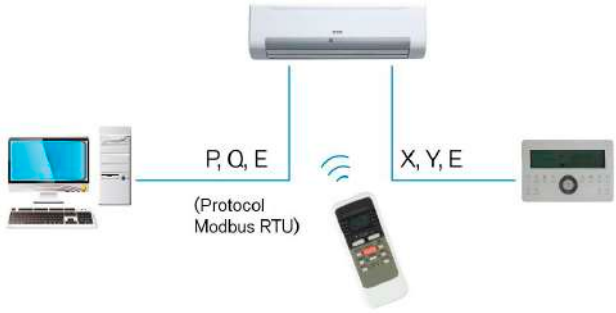
Recommended Control

HTW-R05BGE

Compatible Controls

HTW-KJR29BKE

HTW-KJR12B



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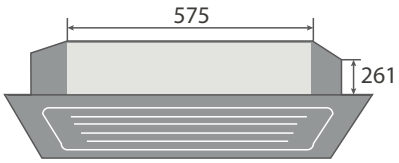
Compact Cassette Fancoil

- 2-tube fancoil.
- Fresh air intake.
- DC Inverter fan.
- Condensate pump included.



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC Inverter fan

360° air movement

4 air outlets

3-way valve **(OPTIONAL)**

Compact design

Condensate pump

Fresh air intake

Removable panel

Optional controllers

2-tube

MODELS

			HTW-MKD-V400	HTW-MKD-V500
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)	
PERFORMANCE				
Cooling capacity[1]	Capacity (H,M,L)	kW	3,96/3,26/2,76	4,2/3,48/3,01
	Consumption (H,M,L)	W	28/19/15	43/28/21
Heatin capacity[2]	Capacity (H,M,L)	kW	5,4/4,34/3,57	5,76/4,69/3,84
	Consumption (H,M,L)	W	28/16/10	33/18/11
FEATURES				
Sound pressure level		dB(A)	42/36/30	43/38/32
Water flow rate (H,M,L)		m^3/h	0,7/0,58/0,51	0,75/0,61/0,54
Air flow (H,M,L)		m^3/h	719/561/448	781/611/494
Water pressure drop heat (H,M,L)		kPa	12,68/6,4/4,92	11,41/6,5/5,41
DIMENSIONS & WEIGHT				
Indoor unit/ panel	Net dimensions (W×H×D)	mm	575x261x575/647x50x647	575x261x575/647x50x647
	Net weight	Kg	16,5 - 2,5	16,5 - 2,5
CONNECTIONS				
Pipe	Water inlet and outlet	Inch.	3/4"	
	Drainage	mm	25 Ø	

NOTES:
H: High fan speed; M: Medium fan speed; L: Low fan speed.
1. Cool mode: Air inlet temperature 27°C BS/ 19°C BH; Water inlet/outlet temperature 7°C/12°C.
2. Heating mode: Air inlet temperature 20°C BH; Water inlet temperature 50°C; Water flow rate same as in cooling mode.

Recommended Control

HTW-R05BGE

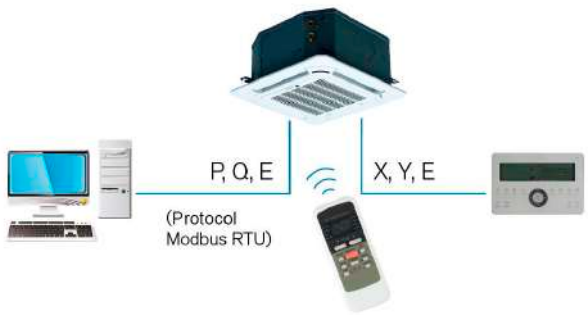
Compatible Controls

HTW-KJR29BKE

HTW-KJR12B

Optional Accessory

HTW-FCU3VKITF01
3-way valve and actuator



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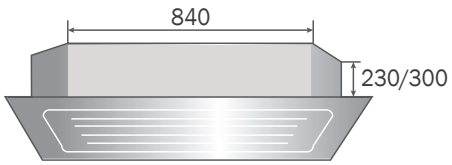
4-Way Cassette Fancoil

- 2-tube fancoil.
- Fresh air intake.
- DC inverter fan.
- Condensate pump included.



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

360° — 360° air movement

4 air outlets

3 vías — 3-way valve **(OPTIONAL)**

Compact design

Condensate pump

Fresh air intake

Removable panel

Optional controllers

2-tube

MODELS

			HTW-MKA-V750R	HTW-MKA-V950R	HTW-MKA-V1200R	HTW-MKA-V1500R
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)			
PERFORMANCE						
Cooling capacity[1]	Capacity (H,M,L)	kW	6,12/5,45/4,6	7,84/6,84/6,35	7,87/7,12/6,67	11,19/8,82/7,48
	Consumption (H,M,L)	W	49/31/20	75/42/34	85/59/45	126/58/39
Heating capacity[2]	Capacity (H,M,L)	kW	8,62/7,49/6,27	10,86/9,24/8,49	10,92/9,84/9,16	14,92/11,73/10,07
	Consumption (H,M,L)	W	49/31/19	76/42/33	85/58/45	127/58/39
FEATURES						
Sound pressure level		dB(A)	44/40/34	46/42/39	48/44/41	49/43/39
Water flow rate (H,M,L)		m^3/h	1,1/0,96/0,81	1,43/1,24/1,13	1,44/1,28/1,22	1,96/1,53/1,28
Air flow (H,M,L)		m^3/h	1.229/1.020/810	1.530/1.224/1.101	1.581/1.371/1.236	1.871/1.415/1.198
Water pressure drop heat (H,M,L)		kPa	19,1/14,8/10,6	19,9/15,2/12,6	20/16,2/14,7	34,3/21,3/15
DIMENSIONS & WEIGHT						
Indoor unit/ panel	Net dimensions (W×H×D)	mm	840X230X840/ 950X45X950	840X300X840/ 950X45X950	840X300X840/ 950X45X950	840X300X840/ 950X45X950
	Net weight	Kg	23 - 6	27 - 6	27 - 6	29,5 - 6
CONNECTIONS						
Pipe	Water inlet and outlet	Inch.	3/4"			
	Drainage	mm	32 Ø			

NOTES:

H: High fan speed; **M:** Medium fan speed; **L:** Low fan speed.
1. Cool mode: Air inlet temperature 27°C BS/ 19°C BH; Water inlet/outlet temperature 7°C/12°C.
2. Heating mode: Air inlet temperature 20°C BH; Water inlet temperature 50°C; Water flow rate same as in cooling mode.

Recommended Control

HTW-R05BGE

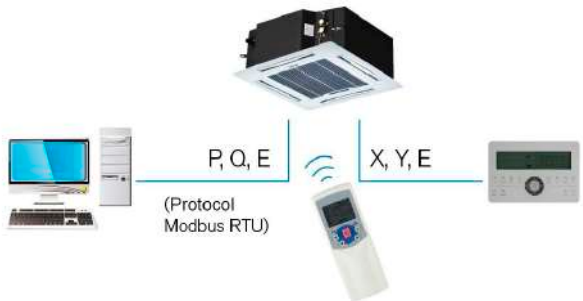
Compatible Controls

HTW-KJR29BKE

HTW-KJR12B

Optional Accessory

HTW-FCU3VKITF01
3-way valve and actuator



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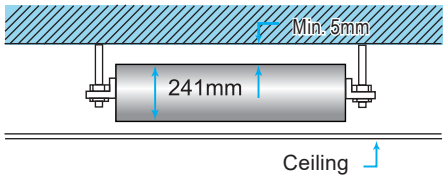
Duct Fancoil

- 2-tube fancoil.
- Fresh air intake.
- DC inverter fan.



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

24 cm — From 24 cm in height

Removable filter

Fácil — Easy installation

Fresh air intake

Pipe kit **(OPTIONAL)**

3 vías — 3-way valve **(OPTIONAL)**

2-tube

MODELS			HTW-MKT2-V300	HTW-MKT2-V500	HTW-MKT2-V800	HTW-MKT2-V1200
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)			
PERFORMANCE						
Cooling capacity[1]	Capacity (H,M,L)	kW	2,82/2,33/1,79	3,83/3,16/2,55	6,7/5,49/4,45	9,83/8,5/6,46
	Consumption (H,M,L)	W	21/12/7	42/20/11	62/28/16	111/53/24
Heating capacity[2]	Capacity (H,M,L)	kW	4,12/3,26/2,39	5,6/4,49/3,45	9,87/7,83/6,29	14,58/11,82/8,83
	Consumption (H,M,L)	W	22/12/7	45/21/11	66/30/17	119/55/24
FEATURES						
Sound pressure level 0 Pa (H,M,L)		dB(A)	40,3/33,1/26,7	41,1/34,7/26,8	47,7/39,4/31,1	50,9/44/33,8
Water flow rate (H,M,L)		m^3/h	0,51/,41/0,32	0,68/0,56/0,46	1,19/0,96/0,8	1,74/1,42/1,12
Air flow (H,M,L)		m^3/h	615/439/310	887/620/443	1.492/1.071/797	2.327/1.669/1.135
Water pressure drop heat (H,M,L)		kPa	15,39/7,41/4,83	29,04/14,16/9,71	19,36/9,03/6,4	60,7/26,5/17,8
Static pressure		Pa	12 Pa by default, adjustable at 30/50 Pa			
DIMENSIONS & WEIGHT						
Indoor unit	Net dimensions (W×H×D)	mm	841x241x522	941x241x522	1.461x241x522	1.856x241x522
	Net weight	Kg	16,5	20	31,4	37,5
CONNECTIONS						
Pipe	Water inlet and outlet	Inch.	3/4"			
	Drainage	mm	24 Ø			

NOTES:

H: High fan speed; **M:** Medium fan speed; **L:** Low fan speed.

1. Cool mode: Air inlet temperature 27°C BS/ 19°C BH; Water inlet/outlet temperature 7°C/12°C.

2. Heating mode: Air inlet temperature 20°C BH; Water inlet temperature 50°C; Water flow rate same as in cooling mode.

Recommended Control

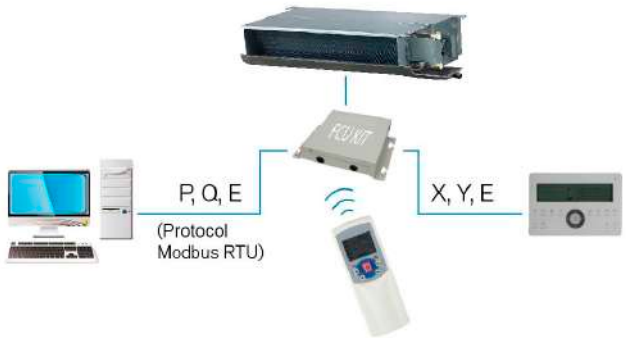
HTW-KJR18BE

Compatible Controls

HTW-KJRP86A1E

Optional Accessory

HTW-FCU3VKITF01
3-way valve and actuator

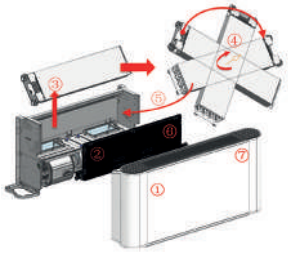


HTW se reserva todos los derechos a modificar modelos y datos técnicos sin previo aviso. Información válida salvo error tipográfico o de imprenta.

Ceiling & floor Fancoil

- 2-tube fancoil.
- Installation flexibility.
- DC inverter Fan.

- Easy change of connection right/left:



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

Air input and output flexibility

3 vias — 3-way valve **(OPTIONAL)**

2-tube

MODELS			HTW-MKH2-V250-R3	HTW-MKH2-V350-R3	HTW-MKH2-V500-R3	HTW-MKH2-V800-R3
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)			
PERFORMANCE						
Cooling capacity[1]	Capacity (H,M,L)	kW	2,35/1,94/1,19	3,50/2,89/2,22	4,30/3,48/2,71	7,35/6,12/4,57
	Consumption (H,M,L)	W	7	10	14	22
Heating capacity[2]	Capacity (H,M,L)	kW	2,60/2,11/1,34	3,50/2,87/2,19	4,30/3,43/2,60	8,50/6,46/4,71
FEATURES						
Sound pressure level (H,M,L)		dB(A)	43/37/29	52/45/37	59/52/43	64/58/49
Water flow rate (H,M,L)		m^3/h	470/390/240	680/560/430	850/810/680	1400/1140/840
Air flow (H,M,L)		m^3/h	400/273/180	595/447/319	790/560/392	1300/1088/782
Water pressure drop heat (H,M,L)		kPa	14,3/10,33/4,3	35,1/24,41/14,82	54,3/36,87/22,32	46,9/31,9/18,16
DIMENSIONS & WEIGHT						
Indoor unit	Net dimensions (W×H×D)	mm	495x200x1020	495x200x1240		591x200x1360
	Net weight	Kg	21,5	25,5	25,5	32,5
CONNECTIONS						
Pipe	Water inlet and outlet	Inch.	3/4"			
	Drainage	mm	OD Ø18,5			

NOTES:
H: High fan speed; **M:** Medium fan speed; **L:** Low fan speed.
1. Cool mode: Air inlet temperature 27°C BS/ 19°C BH; Water inlet/outlet temperature 7°C/12°C.
2. Heating mode: Air inlet temperature 20°C BH; Water inlet temperature 50°C; Water flow rate same as in cooling mode.

Recommended Control

HTW-KJR15BE

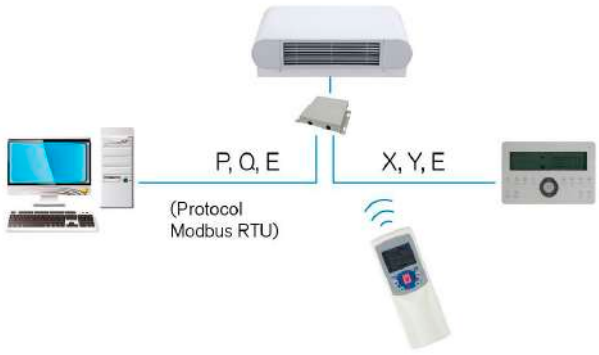
Compatible Controls

HTW-KJR18BE

HTW-KJRP86A1E

Optional Accessory

HTW-FCU3VKITF01
3-way valve and actuator



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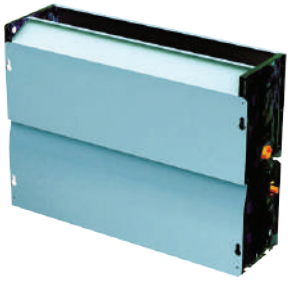
Ceiling & floor without housing Fancoil

- 2-tube fancoil.
- Installation flexibility.
- DC inverter Fan.



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

Air input and output flexibility

3 vías — 3-way valve **(OPTIONAL)**

2-tube

MODELS			HTW-MKH3-V250-R3	HTW-MKH3-V350-R3	HTW-MKH3-V500-R3	HTW-MKH3-V800-R3
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)			
PERFORMANCE						
Cooling capacity[1]	Total capacity (H,M,L)	kW	2,65/2,02/1,40	3.85/3.19/2.46	4,65/3,80/2,92	7,35/6,51/5,15
	Water flow rate (H,M,L)	L/h	454/346/240	660/546/422	797/652/500	1260/1116/884
	Water pressure drop (H,M,L)	kPa	18,03/11,18/5,48	38,23/27,11/16,96	56.85/40.02/25.31	45,43/37,06/23,29
Heating capacity[2]	Capacity (H,M,L)	kW	3,05/2,24/1,52	4,10/3,30/2,48	5,20/3,95/3,00	8,20/7,09/5,46
	Water flow rate (H,M,L)	m^3/h	523/384/260	705/568/427	894/679/516	1406/1216/937
	Water pressure drop (H,M,L)	kPa	17,56/10,28/5,43	35,52/24,83/14,91	56,68/37,31/23,25	44,60/34,09/19,98
Consumption (H,M,L)		W	47/26/14	51/32/19	91/54/34	123/109/83
FEATURES						
Sound power level (H,M,L)		dB(A)	46/37/31	52/44/36	59/51/43	63/58/50
Water flow rate (H,M,L)		m^3/h	400/273/180	595/447/319	790/560/392	1300/1088/782
		CFM	235/161/106	350/263/188	465/330/231	766/641/461
External static pressure		Pa	12			
DIMENSIONS & WEIGHT						
Indoor unit	Net dimensions (W×H×D)	mm	867x455x200	1087x455x255		1207x550x200
	Net weight	Kg	13,9	17,3	17,9	24,0
CONNECTIONS						
Pipe	Water inlet and outlet	Inch.	G3/4			
	Drainage	mm	OD Ø18,5			

NOTES:

H: High fan speed; **M:** Medium fan speed; **L:** Low fan speed.
1. Cool mode: Air inlet temperature 27°C BS/ 19°C BH; Water inlet/outlet temperature 7°C/12°C.
2. Heating mode: Air inlet temperature 20°C BH; Water inlet temperature 50°C; Water flow rate same as in cooling mode.

Recommended Control

HTW-KJR15BE

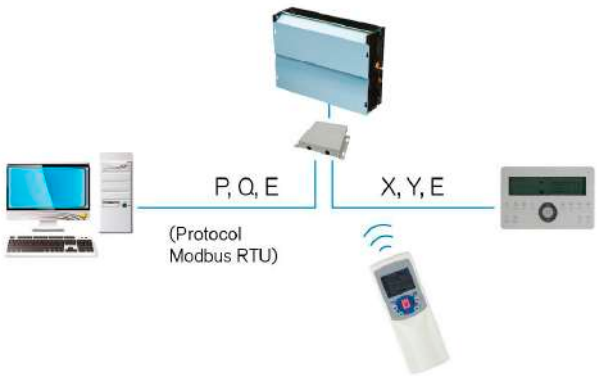
Compatible Controls

HTW-KJR18BE

HTW-KJRP86A1E

Optional Accessory

HTW-FCU3VKITF01
3-way valve and actuator



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HTW

QUALITY COMFORT EVERYWHERE

Fancoil Controllers

Fancoil Controllers

HTW-KJR29BKE

- Surface Wired Controller
- Valid for fancoil units:
  - Wall mounted split
  - Cassette

HTW-KJR12B

- Surface Wired Controller
- Valid for fancoil units:
  - Wall mounted split
  - Cassette

HTW-KJR18BE

- Surface Wired Controller
- Valid for fancoil units:
  - Duct
  - Ceiling & floor

HTW-KJRP86A1E

- Recessed Wired Controller
- Valid for fancoil units:
  - Duct
  - Ceiling & floor

HTW-R05BGE

- Valid for fancoil units:
  - Wall mounted split
  - Cassette

HTW-KJR15BE

- Exclusive wired controller for ceiling & floor
- Fancoil furniture is installed

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giatsu
Big Ducts

Big Duct

Large flows and high pressure available

Great installation flexibility

The commercial range of high pressure ducts has 5 available capacities 22.4, 26, 28, 28, 45 and 56 kW that reach up to 400 Pa of available pressure depending on the capacity. This provides great flexibility in the design of the ducts, which together with the increased functionalities in the air flow, allows total adaptability in practically any installation.

UP TO 400 Pa

Typologies of outdoor unit

The commercial high pressure range has 2 different types of outdoor units. The 22.4 to 28 kW units have front air discharge and the 45 and 56 kW outdoor units have top air discharge.

Little installation space

The 22 to 28 kW outdoor units with front air discharge are very compact for the capacities they develop and take up little installation space and floor space.

Long pipe distance

These types of systems support a total distance of up to 190 meters of pipe between the outdoor and indoor units, depending on the capacity of the system.

Capacity (kW)	Maximum distance	Height difference
22.4	60	30
26	60	30
28	60	30
45	190	90
56	190	90

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Big Duct

*Depending on the model

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

UP TO 400Pa

DC inverter — DC Inverter compressor and fans

R410A — Refrigerant gas

Wired controller included

MODELS

			GIA C224IX41DT3	GIA C280IX41DT3
Power supply		V, P, Hz	380-415V (3 Phases~ 50Hz)	
PERFORMANCE				
Cooling capacity[1]	Capacity	KW	22,4	28
	Consumption	W	7200	9000
	SEER / *EER		4,78	4,77
Heating capacity[2]	Capacity	kW	24,5	31,5
	Consumption	W	6600	8500
	SCOP / *COP		3,48	3,48
FEATURES				
Indoor unit	Sound pressure level[3]	dB(A)	49~52	49~52
	Air flow	m^3/h	4800	4800
	Operation temperature	°C	17~30	17~30
	Static pressure	Pa	150	150
Outdoor unit	Sound power level	dB(A)	58	59
	Air flow	m^3/h	9400	9800
	Operation temperature cold/hot	°C	- 15~48 / -15~24	- 15~48 / -15~24
	Refrigerant Type/Charged	Kg	R410A / 7,2	R410A / 7,2
	Compressor		Mitsubishi	Mitsubishi
	Design pressure	Mpa	4.4/2.6	4.4/2.6
DIMENSIONS & WEIGHT				
Indoor unit	Net dimensions (W×H×D)	mm	1454x515x931	
	Net weight	Kg	130	
Outdoor unit	Net dimensions (W×H×D)	mm	1120x1558x528	1120x1558x528
	Net weight	Kg	147	147
CONNECTIONS				
Electrical connections	Power supply	mm^2	5x6	5x6
	Communication	mm^2	3x 1,5 shielded	3x 1,5 shielded
Refrigerating pipe[4]	Liquid side- gas side	Inch.	3/8" - 1"	3/8" - 1"
Pipe Length	Max. length	m	50	50
	Max. level difference	m	30	30

NOTES:

1. Rated cooling capacities are based on the following conditions.
Outdoor temperature: 35°C DB.
Return air temperature: 27°C DB, 19°C WB.
Equivalent pipe length: 8 m horizontally.

2. The nominal heating capacities are based on the following condition.
Outdoor temperature: 7°C DB, 6°C WB.
Return air temperature: 20°C DB.
Equivalent pipe length: 8 m horizontally.

3. Sound pressure level: conversion value of the semi-anechoic chamber, measured at a point 1 m in front of the unit at a height of 1,4 m.

4. Diameter for basic installation of 40 metres of pipe. Consult diameters for longer distances.

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MODELS			GIA C400IX41DT3B	GIA C450IX41DT3B	GIA C560IX41DT3B
Power supply		V, P, Hz	380-415V (3 Phases~ 50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	KW	40	45	56
	Consumption	W	15000	13550	16470
	SEER / *EER		5,7	5,65	3,4*
Heating capacity[2]	Capacity	kW	40	45	56
	Consumption	W	10000	11390	14000
	SCOP / *COP		3,75	3,7	4*
FEATURES					
Indoor unit	Sound pressure level[3]	dB(A)	60/59/58/ 57/55/54/52	60/59/58/ 57/55/54/52	59/58/57/ 56/55/53/51
	Air flow	m^3/h	6500 ~ 4400	6500 ~ 4400	7400 ~ 5000
	Operation temperature	°C	17~30	17~30	17~30
	Static pressure	Pa	400	400	400
Outdoor unit	Sound power level	dB(A)	62	62	66
	Air flow	m^3/h	16575	16575	16000
	Operation temperature cold/hot	°C	- 5~48 / -14~24	- 5~48 / -14~24	- 5~48 / -20~24
	Refrigerant Type/Charged	Kg	R410A / 9	R410A / 12	R410A / 16
	Compressor		Mitsubishi	Mitsubishi	Hitachi
	Design pressure	Mpa	4.4/2.6	4.4/2.6	4.4/2.6
DIMENSIONS & WEIGHT					
Indoor unit	Net dimensions (W×H×D)	mm	2010x680x905		
	Net weight	Kg	210		218
Outdoor unit	Net dimensions (W×H×D)	mm	1360x1650x540	1460x1650x540	1340x1635x825
	Net weight	Kg	250	280	340
CONNECTIONS					
Electrical connections	Power supply	mm^2	5x10	5x16	5x16
	Communication	mm^2	3x 1,5 shielded	3x 1,5 shielded	3x 1,5 shielded
Refrigerating pipe[4]	Liquid side- gas side	Inch.	1/2" - 1"	1/8 - 1/2" - 1"	1/8 - 5/8" - 1"
Pipe Length	Max. length	m	100	100	175
	Max. level difference	m	30	30	90

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giatsu
VRF Outdoor units

VRF Outdoor units

VRF Centrifugal

	10kW	14kW	16kW	18kW	22kW	26kW	28kW	33,5kW
	☑	☑	☑		☑			

Mini VRF KM

	12,5kW	14kW	16kW	18kW	22,4kW	26kW	28kW	33,5kW
220~240V 1PH~50Hz	☑	☑						
380~415V 3PH~50Hz			☑	☑		☑	☑	☑

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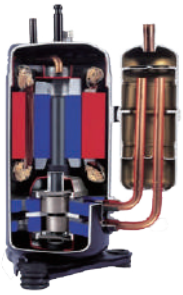
Features

Efficient Technology

DC Inverter Compressors

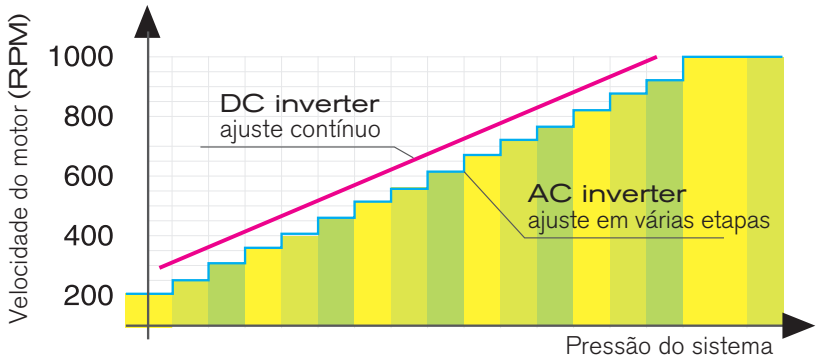
All the outdoor units in our VRF range have inverter compressors. They incorporate advanced technology that allows to module the capacity of the outdoor unit to module according to the real demands. This advanced system guarantees a precise temperature control and a highly efficient energy use, minimising its impact on the environment.



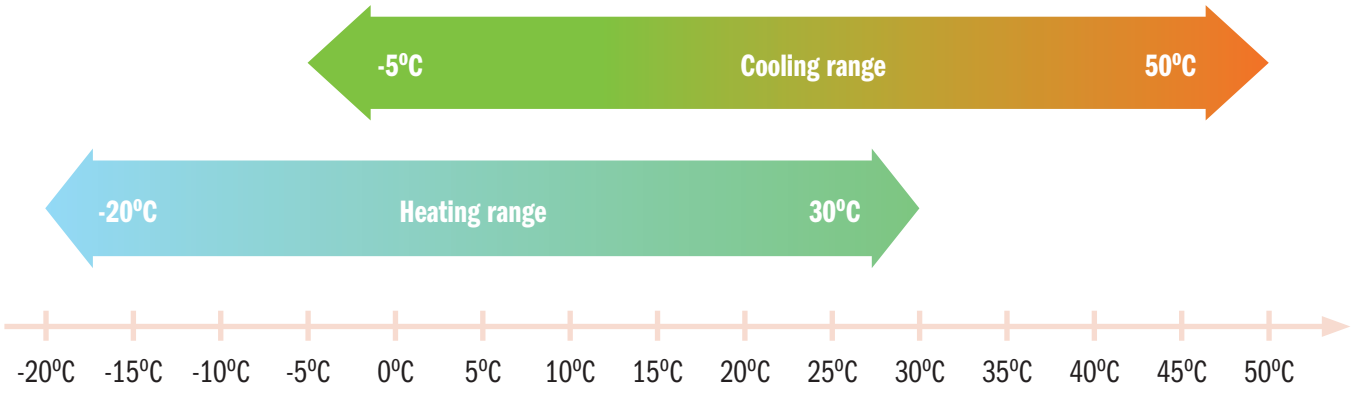
Mini VRF KM and VRF Centrifugal Inverter double rotary compressor

DC Inverter Fans

All units of the range have DC fans, which guarantees a minimum consumption and an optimised efficiency.



Wide working temperature range



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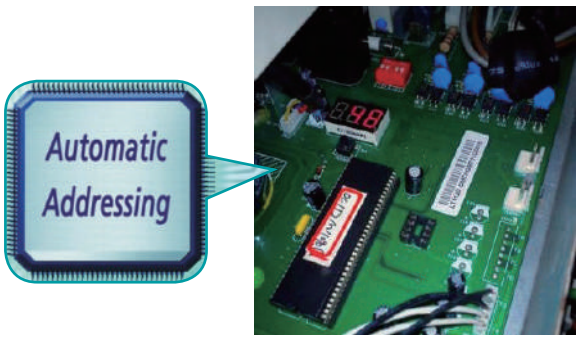
Individual systems

With GIATSU's full range of centrifugal and front discharge outdoor units we can cover individual installations from 10 kW up to 33.5 kW with a single system.

Versatility of indoor units

Our entire range of GIATSU outdoor units can be combined with duct, cassette, wall mounted split, ceiling & floor and column units from 2.8 kW to 16 kW.

Automatic Addressing



VRF outdoor units will automatically recognize and provide the addressing of indoor units. This reduces the startup time and communication errors.

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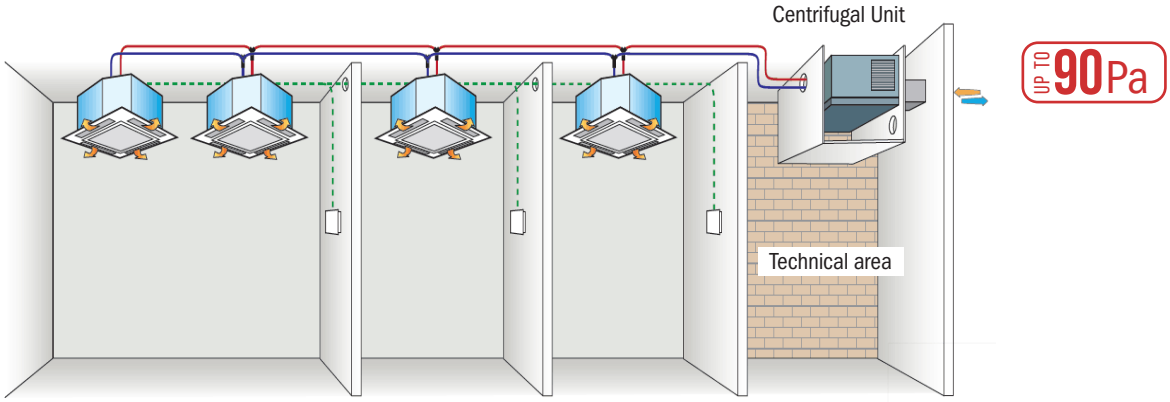
Mini Centrifugal VRF

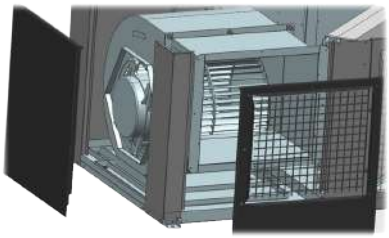
- Multi system to connect up to 13 indoor units.
- All the refrigeration system installed inside.



GIATSU's centrifugal VRF range provides the ideal solution for all those installations where the condenser cannot be installed outdoors.

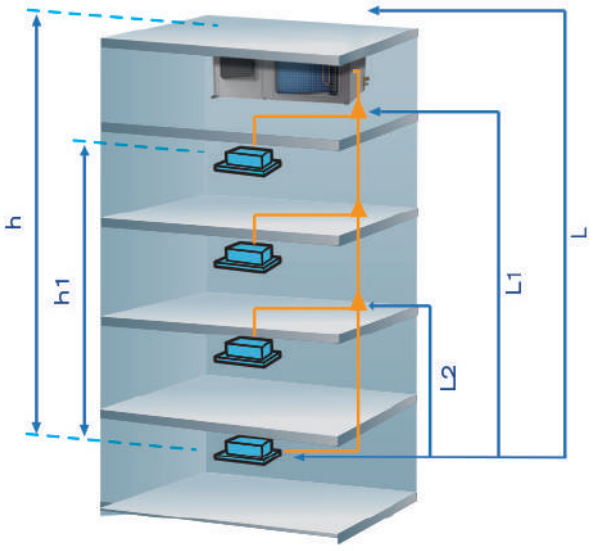
Installation flexibility

The centrifugal fan can be rotated can be rotated to adapt to any installation space.



Pipe length

Pipe distances	Capacity 10kW-22kW
Total pipe length	100m
Maximum distance - real (equivalent) (L)	60m (70m)
Maximum distance from the first shunt (L1)	20m
Maximum distance to the nearest shunt (L2)	15m
Height difference between ODU and IDU. Outdoor above (Outdoor below). (h)	30m (20m)
Difference of height between IDU (h1)	8m



GIATSU se reserva todos los derechos a modificar modelos y datos técnicos sin previo aviso. Información válida salvo error tipográfico o de imprenta.

Mini Centrifugal VRF

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

90 Pa STATIC PRESSURE

UP TO 13 CONNECTABLE UNITS

UP TO 130% SIMULTANEITY

DC inverter — Compressor and fans DC Inverter

R410A — Refrigerant gas

Compact design

MODELS

			GIA-CEN-14KOMP	GIA-CEN-16KOMP	GIA-CEN-22KOMP	
Power supply			220-240V (1 Phase~ 50Hz)	380-415V (3 Phase~ 50Hz)		
Max. no. of connected indoor units		V, P, Hz	5	8	9	13
PERFORMANCE						
Cooling capacity	Capacity	KW	10	14	16	22
		Btu/h	34100	48000	55000	76400
	Supply input	KW	4,3	5,0	6,0	6,4
	Current (RLA)	A	18,6	7,7	9,2	12,5
	SEER		6,52	5,83	5,56	5,14
Heating capacity	Capacity	KW	11,2	14	16	24
		Btu/h	38200	48000	55000	81800
	Supply input	kW	4,1	4,6	5,3	9,5
	Current (RLA)	A	18,1	7,1	8,1	15,4
	SCOP		4,20	3,51	3,51	3,47
Maximum input consumption		kW	4,7	6,8	7,3	14
Maximum current		A	30	20	20	40
Capacity adjustment range			50%-130%	50%-130%	50%-130%	50%-130%
PHYSICAL DATA						
Refrigerant	Type		R410A	R410A	R410A	R410A
	Expansion device		EXV	EXV	EXV	EXV
	Refrigerant charge	g	2,6	3,7	3,7	7,5
Net dimensions (W×H×D)		mm	1520×584×927	1516×584×973	1516×584×973	2001×675×1656
Net weight		kg	141	173	173	300
Sound pressure level		dB(A)	≤65	≤68	≤68	≤68
Outdoor air flow		m^3/h	3600	3600	5000	7000
Static pressure		Pa	90	90	90	90
PIPING AND WIRING DATA						
Pipe size	Liquid pipe	Inch.	3/8"	3/8"	3/8"	3/8"
	Gas pipe	Inch.	5/8"	3/4"	3/4"	7/8"
Max. pipe length	Total pipe length	m	100	100	100	100
	From OU to further IU	m	70	70	70	70
	From the 1st indoor distributor interior to the furthest UI	m	20	20	20	20
Max. vertical length	Entre OU&IU (ODU higher)	m	30	30	30	30
	Between OU&IU (ODU lower)	m	20	20	20	20
	Between Ius	m	8	8	8	8
Connection cable	Power cable size	mm^2	3*6	5*2.5	5*2.5	5*6
	Type of signal cable		Shielded cable 3-core	Shielded cable 3-core	Shielded cable 3-core	Shielded cable 3-core
	Signal cable size	mm^2	1	1	1	1
OPERATING TEMPERATURE RANGE						
Cooling capacity	Exterior side	°C	-5~50	-5~50	-5~50	-5~50
	Inner side	°C	16~32	16~32	16~32	16~32
Heating capacity	Exterior side	°C	-15~30	-15~30	-15~30	-15~30
	Inner side	°C	16~32	16~32	16~32	16~32

NOTES:

Cooling conditions: indoor side 27°C (80.6°F) dB, 19°C (60°F) WB outdoor side 35°C (95°F) dB.
Heating conditions: indoor side 20°C (68°F) dB, 15°C (44.6°F) WB outdoor side 7°C (42.8°F) dB.
Airflow 14kW: measured in quiet mode and static pressure 50 Pa.

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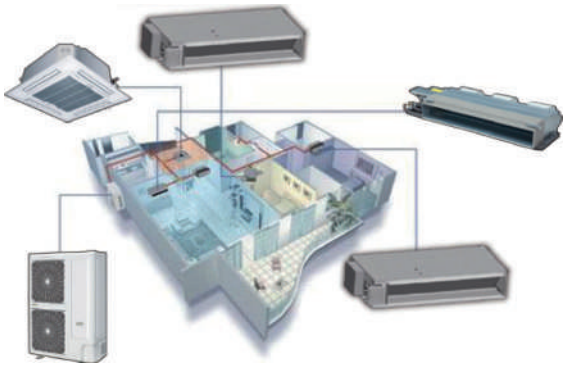
Mini VRF KM

Depending on the power of the outdoor unit we can combine up to 19 indoor units of any type.

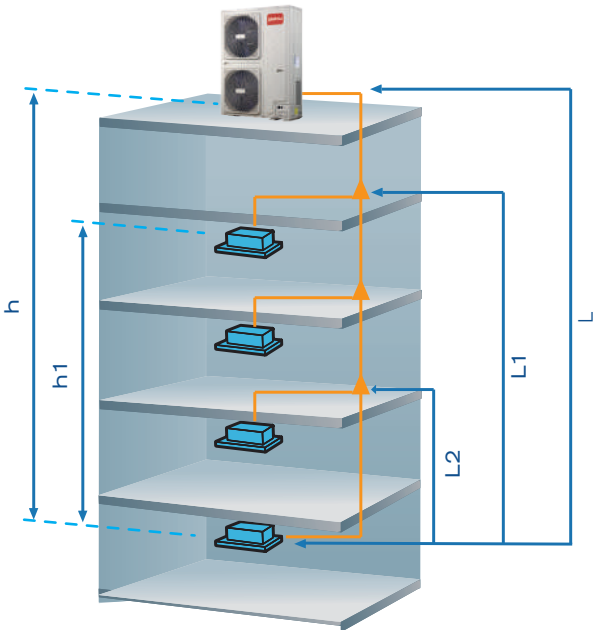


Installation space savings

By installing mini VRF GIATSU units we save installation space, due to its front discharge and also because of the possibility of connecting multiple indoor units in a single outdoor unit.

Pipe length

Pipe distances	Capacity 12,5kW 33,5kW
Total pipe length	100m
Maximum distance - real (equivalent) (L)	60m (70m)
Maximum distance from the first shunt (L1)	20m
Maximum distance to the nearest shunt (L2)	15m
Height difference between ODU and IDU. Outdoor above (Outdoor below). (h)	30m (20m)
Difference of height between IDU (h1)	8m



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Mini VRF KM

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

UP TO 9 CONNECTABLE UNITS

UP TO 130% SIMULTANEITY

DC inverter — DC Inverter fan

R410A — Refrigerant gas

MODELS			GIAV125KOMP	GIAV140KOMP
Maximum connectable indoor units			7	8
Power supply / Connection		V, P, Hz	220-240V (1 Phase~ 50Hz)/ Outdoor unit	
PERFORMANCE				
Cooling capacity	Capacity	W	12,5	14
	Consumption	W	3720	3960
	Current	A	28,0	28
	EER	–	3,36	3,52
Heating capacity	Capacity	kW	14	16
	Consumption	W	3650	4300
	Current	A	28	28
	COP	–	3,83	3,72
FEATURES				
Temperature	Sound pressure level	dB(A)	56	56
	Air flow	m^3/h	8000	8000
	Cooling	°C	-5~50	-5~50
	Heating	°C	-20~30	-20~30
Refrigerant	Type / Charged	R410/Kg	3,45	3,45
DIMENSIONS & WEIGHT				
Net dimensions (W×H×D)		mm	900×1328×400	900×1328×400
Net weight		Kg	89	8
CONNECTIONS				
Electrical connections	Power supply	mm^2	3x6	3x6
	Communication	mm^2	2x 1,5 shielded	2x 1, shielded
Refrigerating pipe	Liquid side	Liquid	3/8"	3/8"
	Gas side	Inch.	5/8"	5/8"
Pipe Length	Vertical	m	30	30
	Total	mm	100	100

MODELS			GIAV160 T3KOMP	GIAV180 T3KOMP	GIAV260 T3KOMP	GIAV280 T3KOMP	GIAV335 T3KOMP
Maximum connectable indoor units			9	10	15	16	19
Power supply / Connection		V, P, Hz	380-415V (3 Phase~ 50Hz)/ Outdoor unit				
PERFORMANCE							
Cooling capacity	Capacity	W	12,5	14	26	28	33,5
	Consumption	W	3720	3960	7540	8320	9450
	Current	A	28,0	28	18,5	20	21,4
	EER	–	3,36	3,52	3,45	3,37	3,54
Heating capacity	Capacity	kW	14	16	28,5	31,5	37,5
	Consumption	W	3650	4300	6770	7930	9000
	Current	A	28	28	18,5	20	21,4
	COP	–	3,83	3,72	4,21	3,85	4,17
FEATURES							
Temperatura	Sound pressure	dB(A)	56	56	60	60	60
	Air flow	m^3/h	8000	8000	8000	9000	9000
	Cooling	°C	-5~50	-5~50	-5~50	-5~50	-5~50
	Heating	°C	-20~30	-20~30	-20~30	-20~30	-20~30
Refrigerant	Type / Charged	R410/Kg	3,45	3,45	6,1	8	8
DIMENSIONS & WEIGHT							
Net dimensions (W×H×D)		mm	900×1328 ×400	900×1328 ×400	1120x1549 x528	1120x1549 x528	1120x1549 x528
Net weight		Kg	89	8	145	176	176
CONNECTIONS							
Electrical connections	Power supply	mm^2	3x6	3x6	5x6	5x6	5x6
	Communication	mm^2	2x 1,5 shielded	2x 1,5 shielded	2x 1,5 shielded	2x 1,5 shielded	2x 1,5 shielded
Refrigerating pipe	Liquid side	Liquid	3/8"	3/8"	3/8"	1/2"	1/2"
	Gas Side	Inch.	5/8"	5/8"	7/8"	1 1/8"	1 1/8"
Pipe Length	Vertical	m	30	30	30	30	30
	Total	mm	100	100	120	120	120

NOTES:

1. Cooling conditions: indoor temperature: 27˚C DB (80.6˚F), 19˚C WB (60˚F) outdoor temperature: 35˚C DB (95˚F) equivalent pipe length: 5 m drop length: 0m.
2. Heating conditions: indoor temperature: 20˚C DB (68˚F), 15˚C WB (44.6˚F) outdoor temperature: 7˚C DB (42.8˚F) equivalent pipe length: 5m drop length: 0m.
3. Sound level: anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1,0 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4. The above data are subject to change without notice for future improvements in quality and performance.

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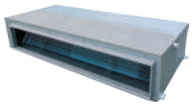
giatsu

VRF Indoor units

VRF Indoor Units

	Capacity (kW)												
	2,8	3,6	4,5	5,6	7,1	9	10	12	12,5	14	15	16	25	56
Compact Cassette	✓	✓	✓											
Round Flow Cassette				✓	✓		✓		✓	✓		✓		
Low Pressure Duct		✓		✓										
 Medium Pressure Duct					✓		✓	✓			✓			
High Pressure Duct											✓		✓	✓
Wall mounted split	✓	✓		✓	✓									
Ceiling & floor						✓				✓		✓		
Column												✓		

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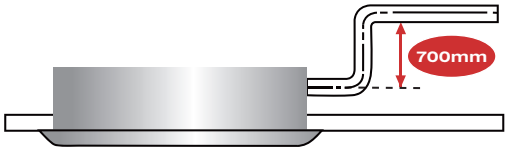
Cassette

4-way compact cassette KM

- 4 air outlets.
- Condensate pump included with 700 mm lift.
- It includes wireless control, optionally you can connect a wired or centralized controller.
- Fresh air intake.



Included

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

Auto-swing function

4 air outlets

Optional controllers

Condensate pump

Anti-cold Function

Fresh air intake

Auto Restart

MODELS			GIA-28Q460KOMP	GIA-36Q460KOMP	GIA-45Q460KOMP
Power supply / Connection		V, P, Hz	220-240V (1 Phase~ 50Hz)		
PERFORMANCE					
Cooling capacity	Capacity	kW	2,8	3,6	4,5
Heating capacity	Capacity	kW	3,2	4,0	5
Consumption		W	38	40	40
FEATURES					
Indoor unit	Sound power level	dB(A)	22 ~ 34	27 ~ 38	27 ~ 38
	Air flow	m/h	447	515	515
	Selectable temperature range	°C	16~32	16~32	16~32
Refrigerant	Type		R410A	R410A	R410A
DIMENSIONS & WEIGHT					
Indoor unit	Net dimensions (W×H×D)	mm	653x267x585	653x267x585	653x267x585
	Net weight	Kg	17,5	17,5	17,5
Panel	Net dimensions (W×H×D)	mm	650x30x650	650x30x650	650x30x650
	Net weight	Kg	2,7	2,7	2,7
CONNECTIONS					
Electrical connections	Power supply	mm	2x2,5+T	2x2,5+T	2x2,5+T
	Communication	mm	3X1,5 Shielded	3X1,5 Shielded	2X1,5 Shielded
Refrigerating pipe	Liquid side- gas side	Inch.	1/4" - 3/8"	1/4" - 1/2"	1/4" - 1/2"
	Drainage	mm	Ø 25	Ø 25	Ø 25

NOTES:

1. The nominal cooling capacity is based on the following conditions:
Outdoor temperature: 35°C Dry Bulb.
Return air temperature: 27°C dry bulb, 19°C wet bulb.
Equivalent pipe length: 8m horizontal.

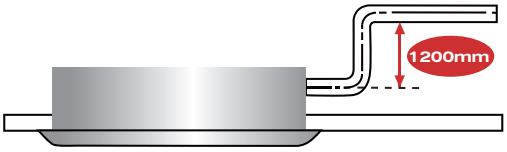
2. The nominal heating capacity is based on the following conditions:
Outdoor temperature: 7°C Dry Bulb, 6°C Wet Bulb.
Return air temperature: 20°C Dry Bulb.
Equivalent pipe length: 8m horizontal.

3. Sound pressure: In semi-anechoic chamber, measured at 1 metre from the unit and 1.4 metres height.

4. Data shown here is subject to change without notice for future improvements.

Round Flow 4-way cassette KM

- 360° air outlet to foster an optimal air distribution.
- Condensate pump included with up to 1200 mm.
- It includes wireless control, optionally you can connect a wired or centralized controller.
- Fresh air intake.



Included

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

Auto-swing function

4 air outlets

Optional controllers

Condensate pump

Anti-cold Function

Fresh air intake

Auto Restart

MODELS			GIA-56Q490KOMP	GIA-71Q490KOMP	GIA-100Q490KOMP	GIA-125Q490KOMP	GIA-140Q490KOMP	GIA-160Q490KOMP
Power supply / Connection		V,P,Hz	220-240V (1 Phase~ 50Hz)					
PERFORMANCE								
Cooling capacity	Capacity	kW	5,6	7,1	10	12,5	14	16
Heating capacity	Capacity	kW	6,3	8,0	11	14	15,0	17
Consumption		W	54	93	160	160	160	160
FEATURES								
Unidad interior	Sound power level	dB(A)	32 ~ 39	35 ~ 39	37 ~ 41	37 ~ 41	38 ~ 46	38 ~ 46
	Air flow	m^3/h	860	1200	1400	1400	1800	1800
	Selectable temperature range	°C	16~32	16~32	16~32	16~32	16~32	16~32
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
DIMENSIONS & WEIGHT								
Unidad interior	Net dimensions (W×H×D)	mm	833x232 x900	833x232 x900	833x286 x900	833x286 x900	833x286 x900	833x286 x900
	Net weight	Kg	24	24	28,5	28,5	28,5	28,5
Panel	Net dimensions (W×H×D)	mm	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950
	Net weight	Kg	5,4	5,4	5,4	5,4	5,4	5,4
CONNECTIONS								
Electrical connections	Power supply	mm	2x2,5+T	2x2,5+T	2x2,5+T	2x2,5+T	2x2,5+T	2x2,5+T
	Communication	mm	3X1,5 Shielded	3X1,5 Shielded	3X1,5 Shielded	3X1,5 Shielded	3X1,5 Shielded	3X1,5 Shielded
Refrigerating pipe	Liquid side- gas side	Inch.	1/4" - 1/2"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
	Drainage	mm	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25

NOTES:

1. The nominal cooling capacity is based on the following conditions:
Outdoor temperature: 35°C Dry Bulb.
Return air temperature: 27°C dry bulb, 19°C wet bulb.
Equivalent pipe length: 8m horizontal.

2. The nominal heating capacity is based on the following conditions:
Outdoor temperature: 7°C Dry Bulb, 6°C Wet Bulb.
Return air temperature: 20°C Dry Bulb.
Equivalent pipe length: 8m horizontal.

3. Sound pressure: In semi-anechoic chamber, measured at 1 metre from the unit and 1.4 metres high .

4. Data shown here is subject to change without notice for future improvements.

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Low Pressure Duct KM

- Small dimensions.
- Wired controller included, optionally you can connect wireless and centralized controllers.
- Low sound level.

Included

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

30 Pa OF PRESSURE

Anti-cold Function

Wired controller

Height reduced (21cm)

Auto Restart

Filters **(OPTIONAL)**

Condensate pump **(OPTIONAL)** -NOT INCLUDED-

MODELS			GIA-36CBKOMP	GIA-56CBKOMP
Power supply / Connection		V, P, Hz	220-240V (1 Phase~ 50Hz)	
PERFORMANCE				
Cooling capacity	Capacity	kW	3,6	5,6
Heating capacity	Capacity	kW	4	6,3
Consumption		W	70	130
FEATURES				
Indoor unit	Sound power level	dB(A)	22 ~ 32	27 ~ 38
	Static pressure	Pa	30	30
	Air flow	m^3/h	550	900
	Selectable temperature range	°C	16~32	16~32
Refrigerant	Type		R410A	R410A
Design pressure		Mpa	4,5	4,5
DIMENSIONS & WEIGHT				
Indoor unit	Net dimensions (W×H×D)	mm	814x210x467	1010x210x467
	Net weight	Kg	16,5	21
CONNECTIONS				
Electrical connections	Power supply	mm	2x2,5+T	2x2,5+T
	Communication	mm	3X1,5 Shielded	3X1,5 Shielded
Refrigerating pipe	Liquid side- gas side	Inch.	1/4" - 1/2"	1/4" - 1/2"
	Drainage	mm	Ø 25	Ø 25

NOTES:

1. The nominal cooling capacity is based on the following conditions:
Outdoor temperature: 35°C Dry Bulb.
Return air temperature: 27°C dry bulb, 19°C wet bulb.
Equivalent pipe length: 8m horizontal.

2. The nominal heating capacity is based on the following conditions:
Outdoor temperature: 7°C Dry Bulb, 6°C Wet Bulb.
Return air temperature: 20°C Dry Bulb.
Equivalent pipe length: 8m horizontal.

3. Sound pressure: In semi-anechoic chamber, measured at 1 metre from the unit and 1.4 metres height.

4. Data shown here is subject to change without notice for future improvements.

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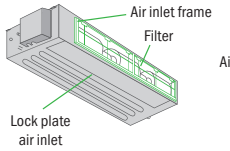
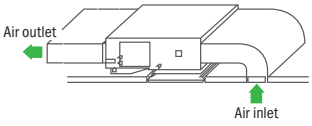
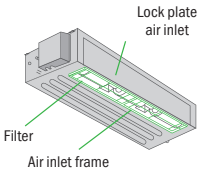
Medium Pressure Duct KM

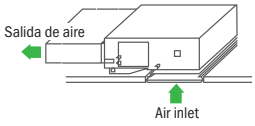
- Wired controller included, optionally you can connect wireless and centralized controllers.
- Filter included
- Double drain outlet position.
- Possibility to change the air inlet position.



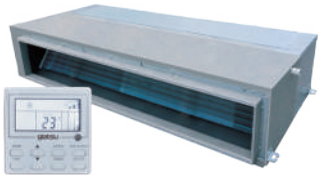


Air inlet from behind





Air inlet from below



Included

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

70 Pa OF PRESSURE

Anti-cold Function

Wired controller

Height reduced (26cm)

Auto Restart

Filters

Condensate pump

(OPTIONAL)
-NOT INCLUDED-

MODELS			GIA-71CMKOMP	GIA-100CMKOMP	GIA-120CMKOMP	GIA-150CMKOMP
Power supply / Connection		V, P, Hz	220-240V (1 Phase~ 50Hz)			
PERFORMANCE						
Cooling capacity	Capacity	kW	7,1	10	12	15
Heating capacity	Capacity	kW	5	11,0	13	17,0
Consumption		W	300	340	340	340
FEATURES						
Indoor unit	Sound power level	dB(A)	36 ~ 41	40 ~ 44	40 ~ 44	40 ~ 44
	Static pressure	Pa	70	70	70	70
	Air flow	m^3/h	1220	2000	2000	2000
	Selectable temperature range	°C	16~32	16~32	16~32	16~32
Refrigerant	Type		R410A	R410A	R410A	R410A
Design pressure		Mpa	4,5	4,5	4,5	4,5
DIMENSIONS & WEIGHT						
Indoor unit	Net dimensions (W×H×D)	mm	1209x260x680	1445x260x680	1445x260x680	1445x260x680
	Net weight	Kg	33	46	46	46
CONNECTIONS						
Electrical connections	Power supply	mm	2x2,5+T	2x2,5+T	2x2,5+T	2x2,5+T
	Communication	mm	3X1,5 Shielded	3X1,5 Shielded	3X1,5 Shielded	3X1,5 Shielded
Refrigerating pipe	Liquid side- gas side	Inch.	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
	Drainage	mm	Ø 25	Ø 25	Ø 25	Ø 25

NOTES:

1. The nominal cooling capacity is based on the following conditions:
Outdoor temperature: 35°C Dry Bulb.
Return air temperature: 27°C dry bulb, 19°C wet bulb.
Equivalent pipe length: 8m horizontal.

2. The nominal heating capacity is based on the following conditions:
Outdoor temperature: 7°C Dry Bulb, 6°C Wet Bulb.
Return air temperature: 20°C Dry Bulb.
Equivalent pipe length: 8m horizontal.

3. Sound pressure: In semi-anechoic chamber, measured at 1 metre from the unit and 1.4 metres height.

4. Data shown here is subject to change without notice for future improvements.

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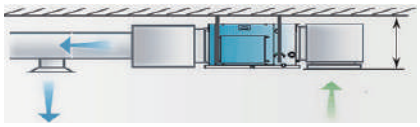
High Pressure Duct KM

- Slim, space-saving design in the suspended ceiling.
- Easily operated by multiple controls:



1. Standard wired controller

3.Optional remote control

2. Optional wired controller

4. Optional Centralised controller

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

200 Pa OF PRESSURE

Anti-cold Function

Wired controller

Auto Restart

Filters

Condensate pump

(OPTIONAL)
-NOT INCLUDED-

MODELS			GIA-CA150KOMP	GIA-CA250KOMP	GIA-CA560KOMP
Power supply / Connection		V, P, Hz	220-240V (1 Phase~ 50Hz)		
PERFORMANCE					
Cooling capacity	Capacity	kW	15,0	25,0	56
Heating capacity	Capacity	kW	17,0	27.5	63
FEATURES					
Motor input		kW	0,45	1,2	2,45
Air flow		m^3/h	2300	4200	8000
		CFM	1350	2470	4700
Sound power level		dB(A)	44~52	45~54	55~64
External static pressure		Pa	150		
DIMENSIONS & WEIGHT					
Indoor unit	Net dimensions (W×H×D)	mm	1190x370x620	1465x448x811	2165x676x916
	Net weight	Kg	47	102	260
CONNECTIONS					
Refrigerating pipe	Liquid side	Inch.	3/8"	1/2"	3/4"
	Gas	Inch.	3/4"	7/8"	1 1/8"
	Drainage	mm	ODØ25	ODØ30	Ø32

NOTES:

1. Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB.
2.Sound level: measured at a point 1m in front of the unit at a height of 1.5m. During actual operation, these values are usually somewhat higher as a result of ambient conditions.
3. The above data may change without notice for future improvements in quality and performance.

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Wall mounted split

- LED Display.
- 65 degrees of amplitude auto-swing function.
- It includes wireless control, optionally you can connect a wired or centralized controller.
- Flexibility of installation, 3 possible positions for refrigeration connections.

Included

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

LED Display

Optional controllers

Auto-swing function

Installation flexibility

MODELS			GIA-28SPKOMP	GIA-36SPKOMP	GIA-56SPKOMP	GIA-71SPKOMP
Power supply / Connection		V,P,Hz	220-240V (1 Phase~ 50Hz)			
PERFORMANCE						
Cooling capacity	Capacity	kW	2,8	3,6	5,6	7,1
Heating capacity	Capacity	kW	3,8	4,0	6,2	7,8
Consumption		W	33	41	52	52
FEATURES						
Indoor unit	Sound power level	dB(A)	24 ~ 33	24 ~ 33	35 ~ 43	35 ~ 43
	Air flow	m^3/h	540	600	920	920
	Selectable temperature range	°C	16~32	16~32	16~32	16~32
Refrigerant	Type		R410A	R410A	R410A	R410A
Design pressure		Mpa	3,8	3,8	3,8	3,8
DIMENSIONS & WEIGHT						
Indoor unit	Net dimensions (W×H×D)	mm	900x296x216	900x296x216	1080x304x221	1080x304x221
	Net weight	Kg	12	12	16	16
CONNECTIONS						
Electrical connections	Power supply	mm	2x2,5+T	2x2,5+T	2x2,5+T	2x2,5+T
	Communication	mm	3X1,5 Shielded	3X1,5 Shielded	3X1,5 Shielded	3X1,5 Shielded
Refrigerating pipe	Liquid side- gas side	Inch.	1/4" - 3/8"	1/4" - 1/2"	1/4" - 1/2"	3/8" - 5/8"
	Drainage	mm	Ø 20	Ø 20	Ø 20	Ø 20

NOTES:

1. The nominal cooling capacity is based on the following conditions:
Outdoor temperature: 35°C Dry Bulb.
Return air temperature: 27°C dry bulb, 19°C wet bulb.
Equivalent pipe length: 8m horizontal.

2. The nominal heating capacity is based on the following conditions:
Outdoor temperature: 7°C Dry Bulb, 6°C Wet Bulb.
Return air temperature: 20°C Dry Bulb.
Equivalent pipe length: 8m horizontal.

3. Sound pressure: In semi-anechoic chamber, measured at 1 metre from the unit and 1.4 metres height.

4. Data shown here is subject to change without notice for future improvements.

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Ceiling & floor

- Display LED.
- 65 degrees of amplitude auto-swing function.
- It includes wireless control, optionally you can connect a wired or centralized controller.
- Flexibility of installation, 3 possible positions for refrigeration connections.

Included

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

LED Display

Optional controllers

Auto-swing function

Installation flexibility

MODELS			GIA-90STKOMP	GIA-140STKOMP	GIA-160STKOMP
Power supply / Connection		V, P, Hz	220-240V (1 Phase~ 50Hz)		
PERFORMANCE					
Cooling capacity	Capacity	kW	9	14	16
		Frig/h	7.740	12.040	13.760
		Btu/h	30.709	47.770	54.594
Heating capacity	Capacity	kW	10	15,0	17
		Kcal/h	8.600	12.900	14.620
		Btu/h	34.121	51.182	58.006
Consumption		W	375	260	260
FEATURES					
Indoor unit	Sound power level	dB(A)	44 ~ 50	45 ~ 52	45 ~ 52
	Air flow	m3/h	1500	2300	2300
	Selectable temperature range	°C	16~32	16~32	16~32
Refrigerant	Type		R410A	R410A	R410A
Design pressure		Mpa	4,5	4,5	4,5
Air-conditioned perimeter (depending on room conditions)		m2	57	125	135
DIMENSIONS & WEIGHT					
Indoor unit	Net dimensions (W×H×D)	mm	1245x680x240	1670x680x240	1670x680x240
	Gross dimensions (WxHxD)	mm	1325x770x330	1750x770x330	1750x770x330
	Net weight / gross	Kg	38/44	51/58	51/58
CONNECTIONS					
Electrical connections	Power supply	mm	2x2,5+T	2x2,5+T	2x2,5+T
	Communication	mm	3X1,5 Shielded	3X1,5 Shielded	3X1,5 Shielded
Refrigerating pipe	Liquid side- gas side	Inch.	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
	Drainage	mm	Ø 25	Ø 25	Ø 25

NOTES:

1. The nominal cooling capacity is based on the following conditions:
Outdoor temperature: 35°C Dry Bulb.
Return air temperature: 27°C dry bulb, 19°C wet bulb.
Equivalent pipe length: 8m horizontal.

2. The nominal heating capacity is based on the following conditions:
Outdoor temperature: 7°C Dry Bulb, 6°C Wet Bulb.
Return air temperature: 20°C Dry Bulb.
Equivalent pipe length: 8m horizontal.

3. Sound pressure: In semi-anechoic chamber, measured at 1 metre from the unit and 1.4 metres height.

4. Data shown here is subject to change without notice for future improvements.

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Column

- LED Display.
- Touch display.
- Three-dimensional air distribution.
- It includes wireless control, optionally you can connect a wired or centralized controller.

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

LED Display

Auto-swing function

Touch Display

Optional controllers

MODELS

			GIA-160COLKOMP
Power supply / Connection		V, P, Hz	220-240V (1 Phase~ 50Hz)
PERFORMANCE			
Cooling capacity	Capacity	kW	16
Heating capacity	Capacity	kW	17,8
Consumption		W	200
FEATURES			
Indoor unit	Sound power level	dB(A)	41 ~ 50
	Air flow	m^3/h	1620
	Selectable temperature range	°C	16~32
Refrigerant	Type		R410A
Design pressure		Mpa	4,5
DIMENSIONS & WEIGHT			
Indoor unit	Net dimensions (W×H×D)	mm	630x1929x379
	Net weight	Kg	59
CONNECTIONS			
Electrical connections	Power supply	mm	2x2,5+T
	Communication	mm	3X1,5 Shielded
Refrigerating pipe	Liquid side- gas side	Inch.	3/8" - 5/8"
	Drainage	mm	Ø 25

NOTES:

1. The nominal cooling capacity is based on the following conditions:
Outdoor temperature: 35°C Dry Bulb.
Return air temperature: 27°C dry bulb, 19°C wet bulb.
Equivalent pipe length: 8m horizontal.

2. The nominal heating capacity is based on the following conditions:
Outdoor temperature: 7°C Dry Bulb, 6°C Wet Bulb.
Return air temperature: 20°C Dry Bulb.
Equivalent pipe length: 8m horizontal.

3. Sound pressure: In semi-anechoic chamber, measured at 1 metre from the unit and 1.4 metres height.

4. Data shown here is subject to change without notice for future improvements.

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VRF Controllers

Controllers

Individual

GIA-YKQNT03A

GIA-ZKXCTE05

GIA-ZKXCTE06

GIA-ZSPD155001

Centralized

GIA-SPD099

GIA-SPD145

Web control

GIA-SPD134

BMS

GIA-SPD168
Modbus

GIA-SPD128
Modbus

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Controllers

Individual

GIA-YKQNT03A

- Selection of temperature and operating mode.
- Addressing indoor units.
- Sleep function.
- LED function.

GIA-ZKXCTE05

- 24 hour programming.
- Memory function.
- 26° C function.

GIA-ZKXCTE06

- 24 hour programming.
- Memory function.
- Touch keyboard.
- 26° C function.

GIA-ZSPD155001

- Touch keyboard.
- Two-way communication.
- Alarm codes.
- WIFI function.
- Reading of operating parameters.
- Setpoint temperature limitation.

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Controllers

Web control

GIA-SPD134

- Up to 64 indoor units.
- Control via APP.
- Weekly schedule.
- Group control.

Centralized

GIA-SPD099

- Up to 64 indoor units.
- 24 hour programming.
- Error codes.
- Backlight.

GIA-SPD145

- Touch screen.
- Up to 64 indoor units.
- Weekly schedule.
- Group control.
- Easy and intuitive.
- Control via APP.

BMS

GIA-SPD168

- Modbus RTU.
- Connection to the outdoor unit.

GIA-SPD128

- Modbus gateway

giatsu

Chillers

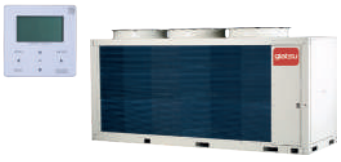
Product range

Mini Chiller Inverter

	7kW	10kW	12kW	14kW	16kW
220~240V 1PH~50Hz	✓	✓	✓		
380~415V 3PH~50Hz			✓	✓	✓

Chiller Inverter

	30kW	60kW	90kW
with Hydraulic Kit			

	30kW	60kW	90kW
Without Hydraulic Kit			

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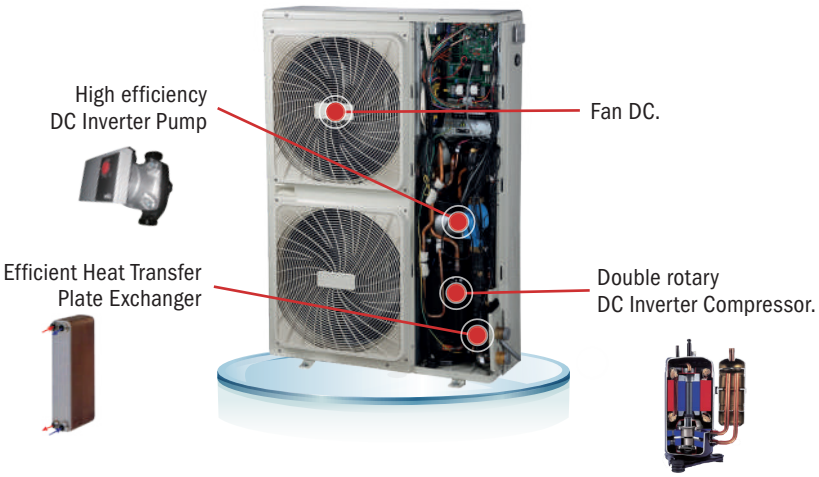
Mini Chiller Inverter

Effective Units

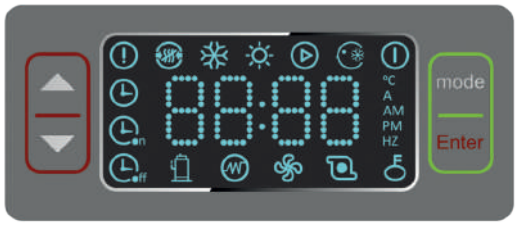


Space-saving

0,42 m²

0,51 m²

Multiple control options



GIA-KJR120F1BMKE

Integrated in the equipment:

- ON/OFF and operating mode.
- Temperature setting.
- Timer.
- Auto diagnosis.

Optional wiring:

- Touch control.
- LCD Screen.
- Programming.
- Clock.
- To install in an accessible place.

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Mini Chiller Inverter

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter compressors and fans

R410A — Refrigerant gas

Integrated control

MODELS

			GIA-MGCV7WD2N1	GIA-MGCV10WD2N1	GIA-MGCV12WD2N1
Power supply		V, P, Hz	220-240V (1 Phase ~ 50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	7.0	10.0	11.2
	Consumption	kW	2.25	2.95	3.5
	EER	W	3.11	3.39	3.20
Cooling capacity[2]	Capacity	kW	8.0	10.6	12.2
	Consumption	kW	1.85	2.5	2.65
	EER	W	4.32	4.24	4.60
Heating capacity[3]	Capacity	kW	8.0	11.0	12.3
	Consumption	kW	2.5	3.14	3.78
	COP	W	3.20	3.50	3.25
Heating capacity[4]	Capacity	kW	8.6	11.5	13.0
	Consumption	kW	2.10	2.65	2.92
	COP	W	4.10	4.34	4.45
Seasonal heating energy efficiency class			A+		
FEATURES					
Compressor	Type		Rotary		
External fan	Motor type		DC Motor		
Air heat exchanger	Type		Finned tube		
Water heat exchanger	Type		Plate heat exchanger		
Water pump	Pump head	m	6.2	7.0	7.0
Refrigerant	Type		R410A		
	Charged	kg	2.5	2.8	2.8
Ambient temp. range	Cooling/Heating	°C	-5~46/-15~27		
Water outlet temp. range	Cooling/Heating	°C	4~20/35~54		
Type of accelerator			Electronic expansion valve		
Sound power level[5]		dB(A)	66	68	68
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	1008×963×396	970×1327×400	970×1327×400
Net weight		Kg	81	110	110
CONNECTIONS					
Pipe connections	Water inlet/outlet	Inch.	1"	1-1/4"	1-1/4"

MODELS

			GIA-MGCV12WD2RN1	GIA-MGCV14WD2RN1	GIA-MGCV16WD2RN1
Power supply		V,F,HZ	380-415V (3 Phases, 50 Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	11.2	12.5	14.5
	Consumption	kW	3.38	3.90	4.70
	EER	W	3.31	3.20	3.10
Cooling capacity[2]	Capacity	kW	12.2	14.2	15.6
	Consumption	kW	2.60	3.10	3.60
	EER	W	4.69	4.58	4.33
Heating capacity[3]	Capacity	kW	12.3	13.8	16.0
	Consumption	kW	3.72	4.25	4.85
	COP	W	3.31	3.25	3.30
Heating capacity[4]	Capacity	kW	13.0	15.1	16.5
	Consumption	kW	2.85	3.35	3.92
	COP	W	4.56	4.51	4.21
Seasonal heating energy efficiency class			A+		
FEATURES					
Compressor	Type		Rotary		
External fan	Motor type		DC Motor		
Air heat exchanger	Type		Finned tube		
Water heat exchanger	Type		Plate heat exchanger		
Water pump	Pump head	m	7.0		
Refrigerant	Type		R410A		
	Charged	kg	2.8	2.9	3.2
Ambient temp. range	Cooling/Heating	°C	-5~46/-15~27		
Water outlet temp. range	Cooling/Heating	°C	4~20/35~54		
Type of accelerator			Electronic expansion valve		
Sound power level[5]		dB(A)	68	70	72
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	970×1327×400		
Net weight		Kg	81	110	110
CONNECTIONS					
Pipe connections	Water inlet/outlet	Inch.	1-1/4"		

NOTES:

1. Cooling capacity: Condenser air 35°C. Evaporator water inlet/outlet 23 / 18°C.
2. Heating capacity: Evaporator air 7°C 85% of R.H. Condenser water in/out 30 / 35°C.
3. Test carried out at a distance of 1m in front of the unit in a semi-anechoic room (sound pressure).
4. Ambient temperature 7°C C85% R.H., water inlet/outlet 30/35°C.
5. The above data test reference standard EN14511; EN14825; EN50564; EN12102; (EU) No: 811; (EU) No: 813; OJ 2014 / C 207/02.

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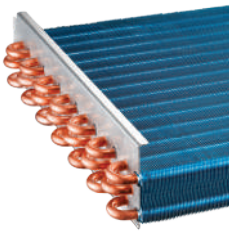
Chiller Inverter with Hydraulic Kit

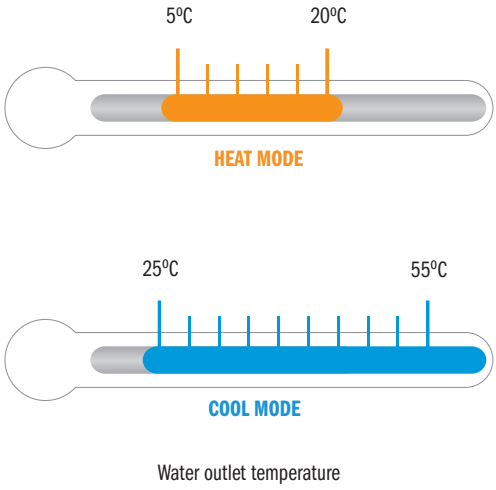
High quality components

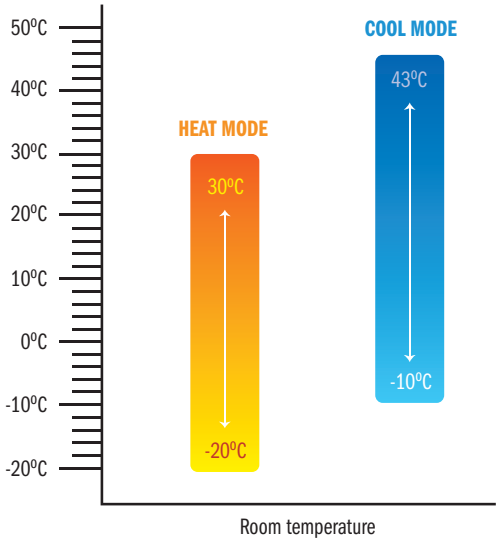
All the elements composing these units are chosen to provide maximum reliability and efficiency to the equipment.



Wide range of application

Stable operation even in extreme conditions: -20ºC a 43ºC. Wide temperature range of the outlet water. The lowest outlet temperature in cooling mode is 5ºC.





Wide range of application

The Hydraulic Kit includes:

- Pump.
- Expansion vessel.

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Chiller Inverter with Hydraulic Kit

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter compressors and fans

R32 — Refrigerant gas

R410A — Refrigerant gas

Wired controller

MODELS			GIA-MCSU30 MRN8LR32	GIA-MCSU60 MRN8LR32	GIA-MCSU90 MRN1L
Power supply (V, P, Hz)			380-415V (3 Phases, 50 Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	27.5	55	82
	Consumption	kW	11	23	38
	EER	–	2.5	2.39	2.16
Heating capacity[2]	Capacity	kW	32	62	90
	Consumption	kW	10.7	21.5	34
	COP	–	2.99	2.88	2.65
Seasonal heating energy efficiency class			A++	A+	-
FEATURES					
Compressor	Type	-	Rotary	Rotary	Scroll
	Quantity	-	1	2	2
Air-side heat exchanger		-	Finned tube		
Fan motor	Type	-	DC Motor		
	Quantity	-	1	2	3
Water heat exchanger	Type	-	Plate		
Pump head (for hydronic module)		m	15		
Refrigerant	Type	–	R32		R410A
	Charged	Kg	7.9	14	27
Accelerator			EXV	EXV + capillary	EXV
Sound power level		dB(A)	78	86	89
Operating temperature range	Cooling	°C	-10~43		
	Heating	°C	-15~30		-20~30
Supply water temperature	Cooling	°C	0~20		
	Heating	°C	25~54		25~55
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	1870×1175×1000	2220×1325×1055	3220x1513x1095
Net weight		Kg	315	515	710
HYDRAULIC PART					
Hydraulic connections		mm	DN40	DN50	

NOTES:

1. Cooling capacity: Inlet/outlet cold water temperature: 12/7°C, outside ambient temperature 35°C (dry bulb).

2. Heating capacity: Inlet/outlet hot water temperature: 40/45°C, outside ambient temperature 7/6°C (dry bulb/wet bulb).

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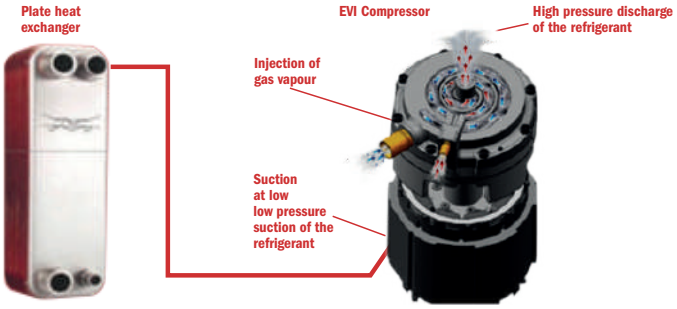
Chiller Inverter

EVI Technology

Due to the DC inverter compressor with vapour injection, GIATSU chillers can operate stably below -20°C and significantly improve the heating capacity.



Cycle alternation

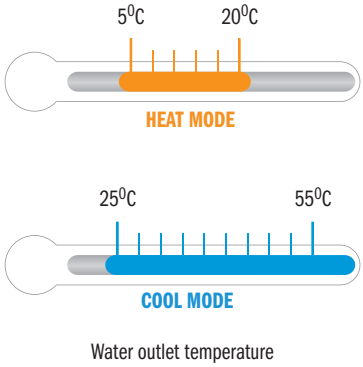
In a multiple system, the alternation of working cycle equals the operating time of each outdoor unit thereby extending the compressors lifetime.

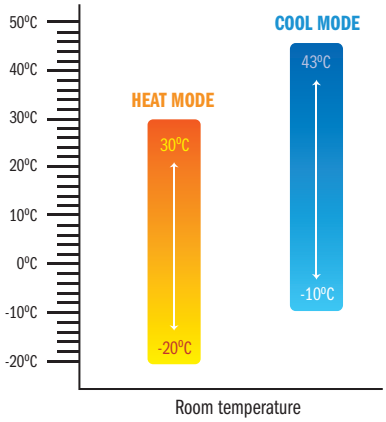
Efficiency

All the elements composing these units are chosen to provide maximum reliability and efficiency to the equipment.

Wide range of application

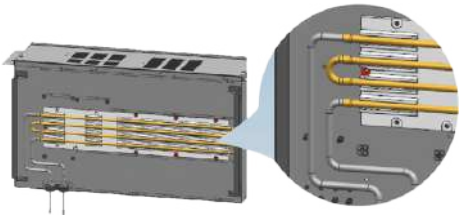
Stable operation even in extreme conditions: -20°C a 43°C. Wide temperature range of the outlet water. The lowest outlet temperature in cooling mode is 5°C.





PCB cooling

GIATSU chillers use refrigerant gas to cool the electronic control box. This lowers the average temperature of the electronic components by about 8 degrees, ensuring the stability and reliability of the control system operation.



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Chiller Inverter

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter compressors and fans

Refrigerant gas (R32)

Refrigerant gas (R410A)

Wired controller

MODELS			GIA-MCSU30 RN8LR32	GIA-MCSU60 RN8LR32	GIA-MCSU90 RN1L
Power supply (V, P, Hz)			380-415V (3 Phases, 50 Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity	kW	27.5	55	82
	Consumption	kW	10.3	21.5	36.8
	EER	–	2.67	2.56	2.23
Heating capacity[2]	Capacity	kW	32	62	90
	Consumption	kW	10	20	32.8
	COP	–	3.2	3.1	2.74
Seasonal heating energy efficiency class			A++		
FEATURES					
Compressor	Type	-	Rotary	Rotary	Scroll
	Quantity	-	1	2	2
Air-side heat exchanger		-	Finned tube		
Fan motor	Type	-	DC Motor		
	Quantity	-	1	2	3
Water heat exchanger	Type	-	Plate		
Refrigerant	Type	–	R32		R410A
	Charged	Kg	7.9	14	27
Accelerator			EXV	EXV + capillary	EXV
Sound power level		dB(A)	78	86	89
Operating temperature range	Cooling	°C	-10~43		
	Heating	°C	-14~30		-20~30
Supply water temperature	Cooling	°C	0~20		
	Heating	°C	25~54		25~55
DIMENSIONS & WEIGHT					
Net dimensions (W×H×D)		mm	1870×1175×1000	2220×1325×1055	3220x1513x1095
Net weight		Kg	300	480	710
HYDRAULIC PART					
Hydraulic connections		mm	DN40	DN50	

NOTES:

1. Cooling capacity: Inlet/outlet cold water temperature: 12/7°C, outside ambient temperature 35°C (dry bulb).

2. Heating capacity: Inlet/outlet hot water temperature: 40/45°C, outside ambient temperature 7/6°C (dry bulb/wet bulb).

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giatsu

FANCOIL Indoor units

Fancoil

Product range

kW	2	2,5	3	3,5	4	4,5	5	6	7	8	9	11
Wall mounted split			✓		✓		✓					
Compact Cassette					✓	✓						
4-Way Cassette								✓		✓	✓	✓
Duct	✓		✓			✓			✓		✓	
Ceiling & floor		✓		✓		✓			✓			
Ceiling & floor without housing		✓		✓		✓			✓			

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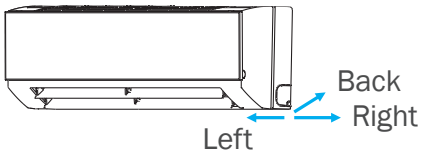
Wall mounted split Fancoil

- 2-tube fancoil.
- DC inverter Fan.
- Includes remote control.



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

Auto-swing function

LED — LED Display

Remote control

Fácil — Easy installation

2-tube

MODELS

			GIA-MKG-V300B	GIA-MKG-V400B	GIA-MKG-V600B
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)		
PERFORMANCE					
Cooling capacity[1]	Capacity (H,M,L)	kW	2,91/2,54/2,19	3,81/3,3/2,88	4,87/4,26/3,79
	Consumption (H,M,L)	W	15/11/9	34/22/15	38/26/18
Heating capacity[2]	Capacity (H,M,L)	kW	3,76/3,22/2,77	5,08/4,33/3,77	6,31/5,57/4,77
	Consumption (H,M,L)	W	14/10/8	31/20/14	33/23/16
FEATURES					
Sound pressure level		dB(A)	32/27/23	45/39/35	44/40/35
Water flow rate (H,M,L)		m^3/h	0,51/0,45/0,38	0,67/0,57/0,51	0,85/0,72/0,65
Air flow (H,M,L)		m^3/h	585/485/413	825/689/590	979/849/717
Water pressure drop heat (H,M,L)		kPa	40,64/27,03/20,9	61,94/37,88/30,3	51,65/36,3/30,3
DIMENSIONS & WEIGHT					
Indoor unit	Net dimensions (W×H×D)	mm	915x290x230	915x290x230	1.072x315x230
	Net weight	Kg	12,7	12,7	14,9
CONNECTIONS					
Pipe	Water inlet and outlet	Inch.	3/4"		
	Drainage	mm	20 Ø		

NOTES:
H: High fan speed; **M:** Medium fan speed; **L:** Low fan speed.
1. Cool mode: Air inlet temperature 27°C BS/ 19°C BH; Water inlet/outlet temperature 7°C/12°C.
2. Heating mode: Air inlet temperature 20°C BH; Water inlet temperature 50°C; Water flow rate same as in cooling mode.

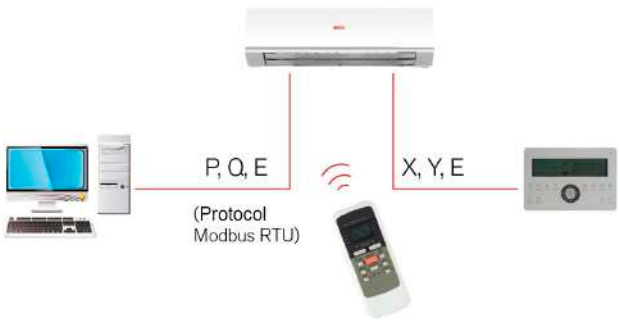
Recommended Control

GIA-R05BGE

Compatible Controls

GIA-KJR29BKE

GIA-KJR12B



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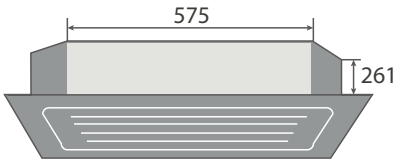
Compact Cassette Fancoil

- 2-tube fancoil.
- Fresh air intake.
- DC Inverter Fan.
- Condensate pump included.



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC Inverter fan

360° air movement

4 air outlets

3-way valve **(OPTIONAL)**

Compact design

Condensate pump

Fresh air intake

Removable panel

Optional controllers

2-tube

MODELS

			GIA-MKD-V400	GIA-MKD-V500
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)	
PERFORMANCE				
Cooling capacity[1]	Capacity (H,M,L)	kW	3,96/3,26/2,76	4,2/3,48/3,01
	Consumption (H,M,L)	W	28/19/15	43/28/21
Heating capacity[2]	Capacity (H,M,L)	kW	5,4/4,34/3,57	5,76/4,69/3,84
	Consumption (H,M,L)	W	28/16/10	33/18/11
FEATURES				
Sound pressure level		dB(A)	42/36/30	43/38/32
Water flow rate (H,M,L)		m^3/h	0,7/0,58/0,51	0,75/0,61/0,54
Air flow (H,M,L)		m^3/h	719/561/448	781/611/494
Water pressure drop heat (H,M,L)		kPa	12,68/6,4/4,92	11,41/6,5/5,41
DIMENSIONS & WEIGHT				
Indoor unit/ panel	Net dimensions (W×H×D)	mm	575x261x575/647x50x647	575x261x575/647x50x647
	Net weight	Kg	16,5 - 2,5	16,5 - 2,5
CONNECTIONS				
Pipe	Water inlet and outlet	Inch.	3/4"	
	Drainage	mm	25 Ø	

NOTES:
H: High fan speed; **M:** Medium fan speed; **L:** Low fan speed.
1. Cool mode: Air inlet temperature 27°C BS/ 19°C BH; Water inlet/outlet temperature 7°C/12°C.
2. Heating mode: Air inlet temperature 20°C BH; Water inlet temperature 50°C; Water flow rate same as in cooling mode.

Recommended Control

GIA-R05BGE

Compatible Controls

GIA-KJR29BKE

GIA-KJR12B

Optional Accessory

GIA-FCU3VKITF01
3-way valve and actuator

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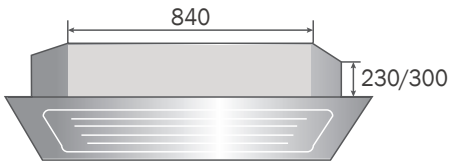
4-Way Cassette Fancoil

- 2-tube fancoil.
- Fresh air intake.
- DC inverter Fan.
- Condensate pump included.



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

360° — 360° air movement

4 air outlets

3 vías — 3-way valve **(OPTIONAL)**

Compact design

Condensate pump

Fresh air intake

Removable panel

Optional controllers

2-tube

MODELS

			GIA-MKA-V750R	GIA-MKA-V950R	GIA-MKA-V1200R	GIA-MKA-V1500R
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)			
PERFORMANCE						
Cooling capacity[1]	Capacity (H,M,L)	kW	6,12/5,45/4,6	7,84/6,84/6,35	7,87/7,12/6,67	11,19/8,82/7,48
	Consumption (H,M,L)	W	49/31/20	75/42/34	85/59/45	126/58/39
Heating capacity[2]	Capacity (H,M,L)	kW	8,62/7,49/6,27	10,86/9,24/8,49	10,92/9,84/9,16	14,92/11,73/10,07
	(H,M,L)	W	49/31/19	76/42/33	85/58/45	127/58/39
FEATURES						
Sound pressure level		dB(A)	44/40/34	46/42/39	48/44/41	49/43/39
Water flow rate (H,M,L)		m^3/h	1,1/0,96/0,81	1,43/1,24/1,13	1,44/1,28/1,22	1,96/1,53/1,28
Air flow (H,M,L)		m^3/h	1.229/1.020/810	1.530/1.224/1.101	1.581/1.371/1.236	1.871/1.415/1.198
Water pressure drop heat (H,M,L)		kPa	19,1/14,8/10,6	19,9/15,2/12,6	20/16,2/14,7	34,3/21,3/15
DIMENSIONS & WEIGHT						
Indoor unit/ panel	Net dimensions (W×H×D)	mm	840X230X840/ 950X45X950	840X300X840/ 950X45X950	840X300X840/ 950X45X950	840X300X840/ 950X45X950
	Net weight	Kg	23 - 6	27 - 6	27 - 6	29,5 - 6
CONNECTIONS						
Pipe	Water inlet and outlet	Inch.	3/4"			
	Drainage	mm	32 Ø			

NOTES:

H: High fan speed; **M:** Medium fan speed; **L:** Low fan speed.
1. Cool mode: Air inlet temperature 27°C BS/ 19°C BH; Water inlet/outlet temperature 7°C/12°C.
2. Heating mode: Air inlet temperature 20°C BH; Water inlet temperature 50°C; Water flow rate same as in cooling mode.

Recommended Control

GIA-R05BGE

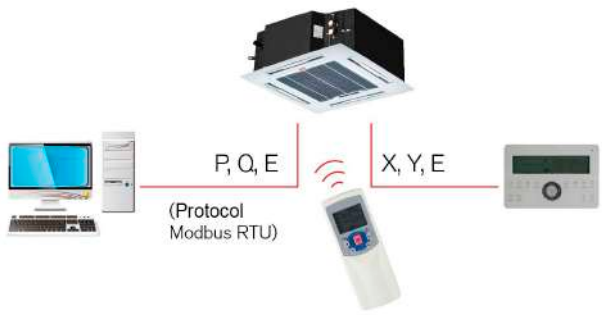
Compatible Controls

GIA-KJR29BKE

GIA-KJR12B

Optional Accessory

GIA-FCU3VKITF01
3-way valve and actuator



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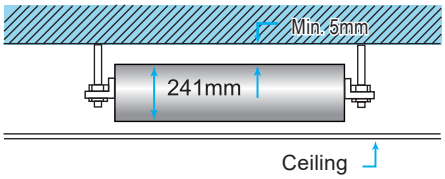
Duct Fancoil

- 2-tube fancoil.
- Fresh air intake.
- DC inverter Fan.



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

24 cm — From 24 cm in height

Removable filter

Fácil — Easy installation

Fresh air intake

Pipe kit **(OPTIONAL)**

3 vías — 3-way valve **(OPTIONAL)**

2-tube

MODELS

			GIA-MKT2-V300	GIA-MKT2-V500	GIA-MKT2-V800	GIA-MKT2-V1200
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)			
PERFORMANCE						
Cooling capacity[1]	Capacity (H,M,L)	kW	2,82/2,33/1,79	3,83/3,16/2,55	6,7/5,49/4,45	9,83/8,5/6,46
	Consumption (H,M,L)	W	21/12/7	42/20/11	62/28/16	111/53/24
Heating capacity[2]	Capacity (H,M,L)	kW	4,12/3,26/2,39	5,6/4,49/3,45	9,87/7,83/6,29	14,58/11,82/8,83
	Consumption (H,M,L)	W	22/12/7	45/21/11	66/30/17	119/55/24
FEATURES						
Sound pressure level 0 Pa (H,M,L)		dB(A)	40,3/33,1/26,7	41,1/34,7/26,8	47,7/39,4/31,1	50,9/44/33,8
Water flow rate (H,M,L)		m^3/h	0,51/,41/0,32	0,68/0,56/0,46	1,19/0,96/0,8	1,74/1,42/1,12
Air flow (H,M,L)		m^3/h	615/439/310	887/620/443	1.492/1.071/797	2.327/1.669/1.135
Water pressure drop heat (H,M,L)		kPa	15,39/7,41/4,83	29,04/14,16/9,71	19,36/9,03/6,4	60,7/26,5/17,8
Static pressure		Pa	12 Pa by default, adjustable at 30/50 Pa			
DIMENSIONS & WEIGHT						
Indoor unit	Net dimensions (W×H×D)	mm	841x241x522	941x241x522	1.461x241x522	1.856x241x522
	Net weight	Kg	16,5	20	31,4	37,5
CONNECTIONS						
Pipe	Water inlet and outlet	Inch.	3/4"			
	Drainage	mm	24 Ø			

NOTES:

H: High fan speed; **M:** Medium fan speed; **L:** Low fan speed.

1. Cool mode: Air inlet temperature 27°C BS/ 19°C BH; Water inlet/outlet temperature 7°C/12°C.

2. Heating mode: Air inlet temperature 20°C BH; Water inlet temperature 50°C; Water flow rate same as in cooling mode.

Recommended Control

GIA-KJR18BE

Compatible Controls

GIA-KJRP86A1E

Optional Accessory

GIA-FCU3VKITF01
3-way valve and actuator

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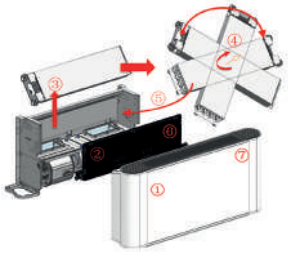
Ceiling & floor Fancoil

- 2-tube fancoil.
- Installation flexibility.
- DC inverter Fan.

- Easy change of connection right/left:



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

Air input and output flexibility

3 vías — 3-way valve **(OPTIONAL)**

2-tube

MODELS			GIA-MKH2-V250-R3	GIA-MKH2-V350-R3	GIA-MKH2-V500-R3	GIA-MKH2-V800-R3
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)			
PERFORMANCE						
Cooling capacity[1]	Capacity (H,M,L)	kW	2,35/1,94/1,19	3,50/2,89/2,22	4,30/3,48/2,71	7,35/6,12/4,57
	Consumption (H,M,L)	W	7	10	14	22
Heating capacity[2]	Capacity (H,M,L)	kW	2,60/2,11/1,34	3,50/2,87/2,19	4,30/3,43/2,60	8,50/6,46/4,71
FEATURES						
Sound pressure level (H,M,L)		dB(A)	43/37/29	52/45/37	59/52/43	64/58/49
Water flow rate (H,M,L)		m^3/h	470/390/240	680/560/430	850/810/680	1400/1140/840
Air flow (H,M,L)		m^3/h	400/273/180	595/447/319	790/560/392	1300/1088/782
Water pressure drop heat (H,M,L)		kPa	14,3/10,33/4,3	35,1/24,41/14,82	54,3/36,87/22,32	46,9/31,9/18,16
DIMENSIONS & WEIGHT						
Indoor unit	Net dimensions (W×H×D)	mm	495x200x1020	495x200x1240		591x200x1360
	Net weight	Kg	21,5	25,5	25,5	32,5
CONNECTIONS						
Pipe	Water inlet and outlet	Inch.	3/4"			
	Drainage	mm	OD Ø18,5			

NOTES:
H: High fan speed; **M:** Medium fan speed; **L:** Low fan speed.
1. Cool mode: Air inlet temperature 27°C BS/ 19°C BH; Water inlet/outlet temperature 7°C/12°C.
2. Heating mode: Air inlet temperature 20°C BH; Water inlet temperature 50°C; Water flow rate same as in cooling mode.

Recommended Control

GIA-KJR15BE

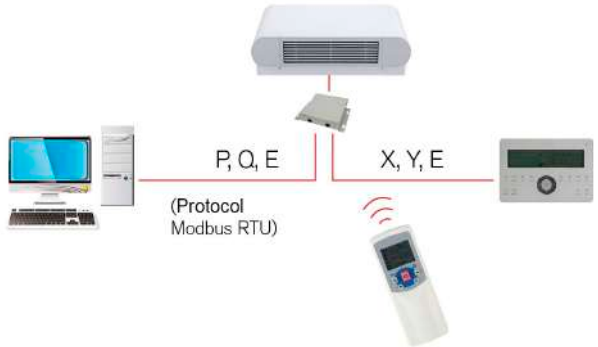
Compatible Controls

GIA-KJR18BE

GIA-KJRP86A1E

Optional Accessory

GIA-FCU3VKITF01
3-way valve and actuator



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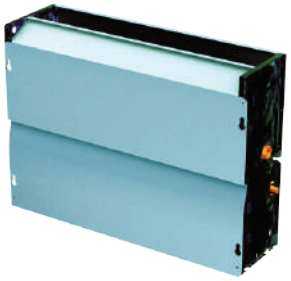
Ceiling & floor without housing Fancoil

- 2-tube fancoil.
- Installation flexibility.
- DC inverter Fan.



3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

DC inverter — DC Inverter fan

Air input and output flexibility

3 vías — 3-way valve **(OPTIONAL)**

2-tube

MODELS			GIA-MKH3-V250-R3	GIA-MKH3-V350-R3	GIA-MKH3-V500-R3	GIA-MKH3-V800-R3
Power supply		V, P, Hz	220-240V (1 Phase~ 50Hz)			
PERFORMANCE						
Cooling capacity[1]	Total capacity (H,M,L)	kW	2,65/2,02/1,40	3.85/3.19/2.46	4,65/3,80/2,92	7,35/6,51/5,15
	Water flow rate (H,M,L)	L/h	454/346/240	660/546/422	797/652/500	1260/1116/884
	Water pressure drop (H,M,L)	kPa	18,03/11,18/5,48	38,23/27,11/16,96	56.85/40.02/25.31	45,43/37,06/23,29
Heating capacity[2]	Capacity (H,M,L)	kW	3,05/2,24/1,52	4,10/3,30/2,48	5,20/3,95/3,00	8,20/7,09/5,46
	Water flow rate (H,M,L)	m^3/h	523/384/260	705/568/427	894/679/516	1406/1216/937
	Water pressure drop (H,M,L)	kPa	17,56/10,28/5,43	35,52/24,83/14,91	56,68/37,31/23,25	44,60/34,09/19,98
Consumption (H,M,L)		W	47/26/14	51/32/19	91/54/34	123/109/83
FEATURES						
Sound power level (H,M,L)		dB(A)	46/37/31	52/44/36	59/51/43	63/58/50
Water flow rate (H,M,L)		m^3/h	400/273/180	595/447/319	790/560/392	1300/1088/782
		CFM	235/161/106	350/263/188	465/330/231	766/641/461
External static pressure		Pa	12			
DIMENSIONS & WEIGHT						
Indoor unit	Net dimensions (W×H×D)	mm	867×455×200	1087x455x255		1207x550x200
	Net weight	Kg	13,9	17,3	17,9	24,0
CONNECTIONS						
Pipe	Water inlet and outlet	Inch.	G3/4			
	Drainage	mm	OD Ø18,5			

NOTES:

H: High fan speed; **M:** Medium fan speed; **L:** Low fan speed.
1. Cool mode: Air inlet temperature 27°C BS/ 19°C BH; Water inlet/outlet temperature 7°C/12°C.
2. Heating mode: Air inlet temperature 20°C BH; Water inlet temperature 50°C; Water flow rate same as in cooling mode.

Recommended Control

GIA-KJR15BE

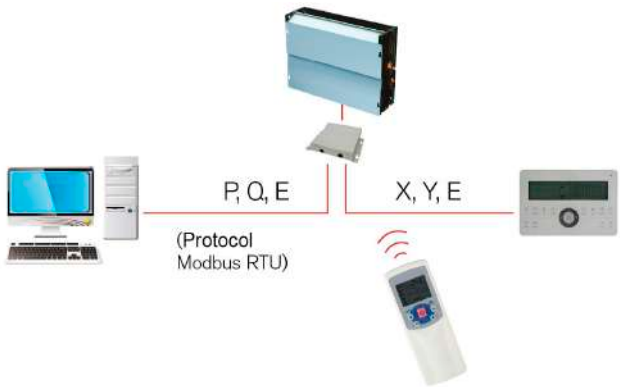
Compatible Controls

GIA-KJR18BE

GIA-KJRP86A1E

Optional Accessory

GIA-FCU3VKITF01
3-way valve and actuator



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giatsu

FANCOIL Controllers

Fancoil Controllers

GIA-KJR29BKE

- Surface Wired Controller
- Valid for fancoil units:
  - Wall mounted split
  - Cassette

GIA-KJR12B

- Surface Wired Controller
- Valid for fancoil units:
  - Wall mounted split
  - Cassette

GIA-KJR18BE

- Surface Wired Controller
- Valid for fancoil units:
  - Duct
  - Ceiling & floor

GIA-KJRP86A1E

- Recessed Wired Controller.
- Valid for fancoil units:
  - Duct
  - Ceiling & floor

GIA-R05BGE

- Valid for fancoil units:
  - Wall mounted split
  - Cassette

GIA-KJR15BE

- Exclusive wired controller for ceiling & floor.
- Fancoil furniture is installed.

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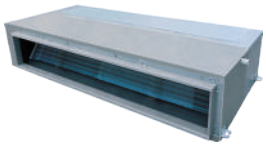
giatsu

INVISIBLE System 1x1

Invisible 1x1 system

Indoor units

	10kW	14kW	16kW	22kW
 Medium pressure duct	✓	✓		
High pressure duct			✓	✓
Cassette	✓	✓	✓	
Ceiling & floor	✓	✓	✓	
Column			✓	

GIATSU se reserva todos los derechos a modificar modelos y datos técnicos sin previo aviso. Información válida salvo error tipográfico o de imprenta.

Invisible 1x1 system

The Invisible. GIATSU Centrifugal VRF

The best option for air-conditioning businesses at street level and maintaining the aesthetics of the building.

R410A
10kW - 220~240V/1Ph
14 and 22 kW - 380~415V/3Ph
ErP standard

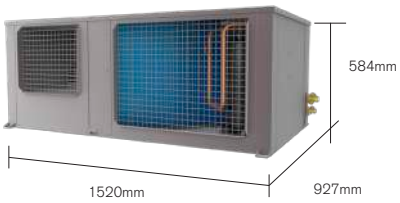
VRF system
with centrifugal fan
DC inverter compressor

10kw **14kw** **16kw** **NEW 22kW**

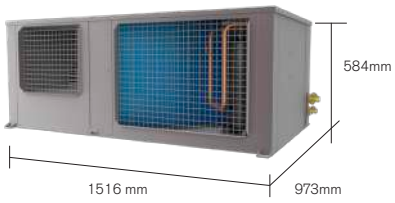
Up to **13** indoor units

Mini VRF Invisible GIATSU is an air conditioning system that incorporates **VRF inverter** technology but with a **centrifugal fan.** VRF inverter technology but with a centrifugal fan. This machine has been designed to be used in commercial spaces at street level and its technology, compact and increasingly silent, will allow you to offer an air conditioning system that adapts to the needs of the space and the influx of people who visit it, optimising energy consumption and power.

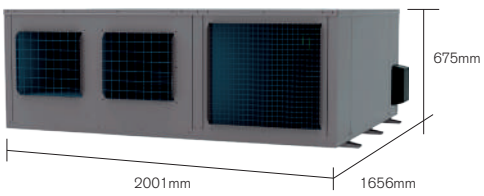
Dimensions



10kW



14-16kW

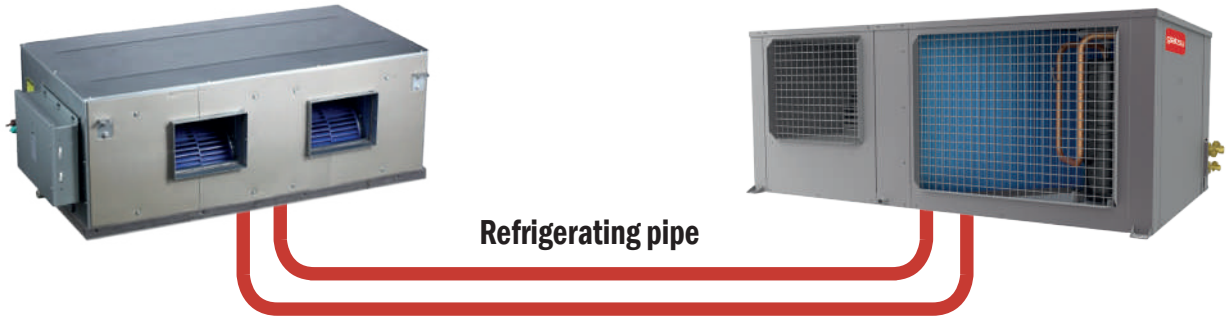


22kW

GIATSU se reserva todos los derechos a modificar modelos y datos técnicos sin previo aviso. Información válida salvo error tipográfico o de imprenta.

Invisible 1x1 system

Indoor duct unit assembly



Medium pressure duct

MODELS			GIAC100CMCEN	GIAC150CMCEN
Outdoor unit / indoor unit			GIA-CEN-10KOMP / GIA-100CMKOMP	GIA-CEN-14KOMP / GIA-150CMKOMP
Power supply (V,F,Hz)		V, P, Hz	220-240V (1 Phase - 50Hz)	
Capacity	Cold	kW	10	15
	Heat	kW	11	17
Air flow		(m^3/h)	2000	
Net dimensions (W×H×D)		mm	1445 x 260 x 680	

High pressure duct

MODELS			GIACCA150CEN	GIACCA220CEN
Outdoor unit / indoor unit			GIA-CEN-16KOMP / GIA-CA150KOMP	GIA-CEN-22KOMP / GIA-CA250KOMP
Power supply (V,F,Hz)		V, P, Hz	220-240V (1 Phase - 50Hz)	
Capacity	Cold	kW	15	25
	Heat	kW	17	27,5
Air flow		(m^3/h)	2300	4200
Net dimensions (W×H×D)		mm	1190x370x620	1465x448x811

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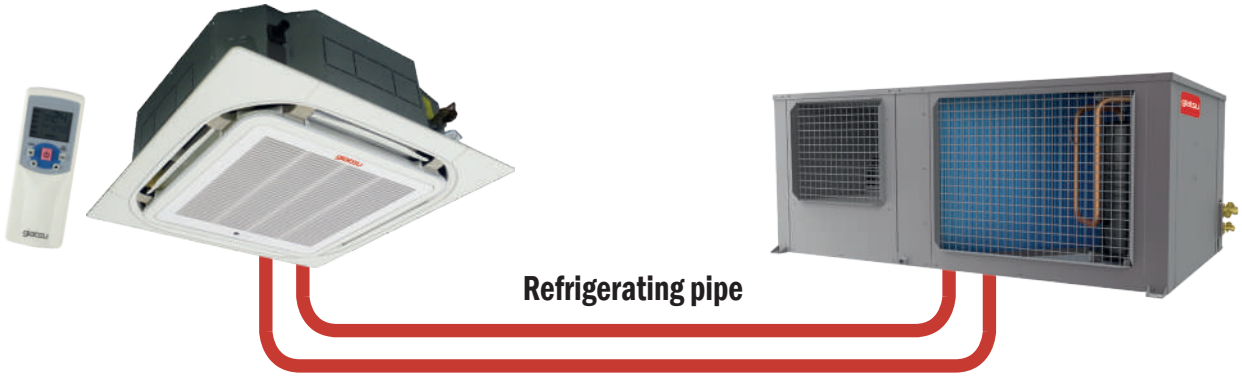
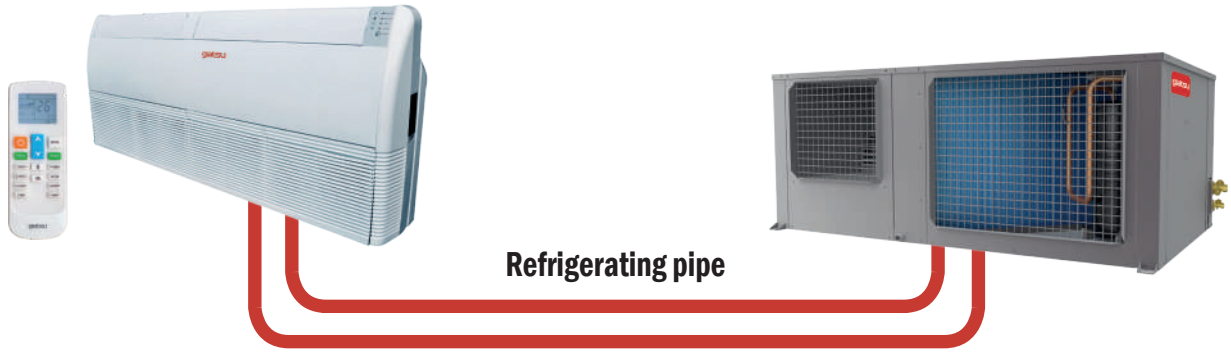
Invisible 1x1 System

Cassette indoor unit assembly



MODELS			GIAC100Q490CEN	GIAC140Q490CEN	GIAC160Q490CEN
Outdoor unit / indoor unit			GIA-CEN-10KOMP / GIA-100Q490KOMP-K	GIA-CEN-14KOMP / GIA-140Q490KOMP-K	GIA-CEN-16KOMP / GIA-160Q490KOMP-K
Power supply (V, P, Hz)		V, P, Hz	220-240V (1 Phase - 50Hz)		
Capacity	Cold	kW	10	14	16
	Heat	kW	11	15	17
Air flow		(m^3/h)	1400	1800	
Net dimensions (W×H×D)		mm	833x286x900 / 950x50x950 (Panel)	833x286x900 / 950x50x950 (Panel)	833x286x900 / 950x50x950 (Panel)

Ceiling & floor indoor unit assembly



MODELS			GIAC90STCEN	GIAC140STCEN	GIAC160STCEN
Outdoor unit / indoor unit			GIA-CEN-10KOMP / GIA-90STKOMP	GIA-CEN-14KOMP / GIA-140STKOMP	GIA-CEN-16KOMP / GIA-160STKOMP
Power supply (V,F,Hz)		V, P, Hz	220-240V (1 Phase - 50Hz)		
Capacity	Cold	kW	9	14	16
	Heat	kW	10	15	17
Air flow		(m^3/h)	1500	2300	2300
Net dimensions (W×H×D)		mm	1245x680x240	1670x680x240	

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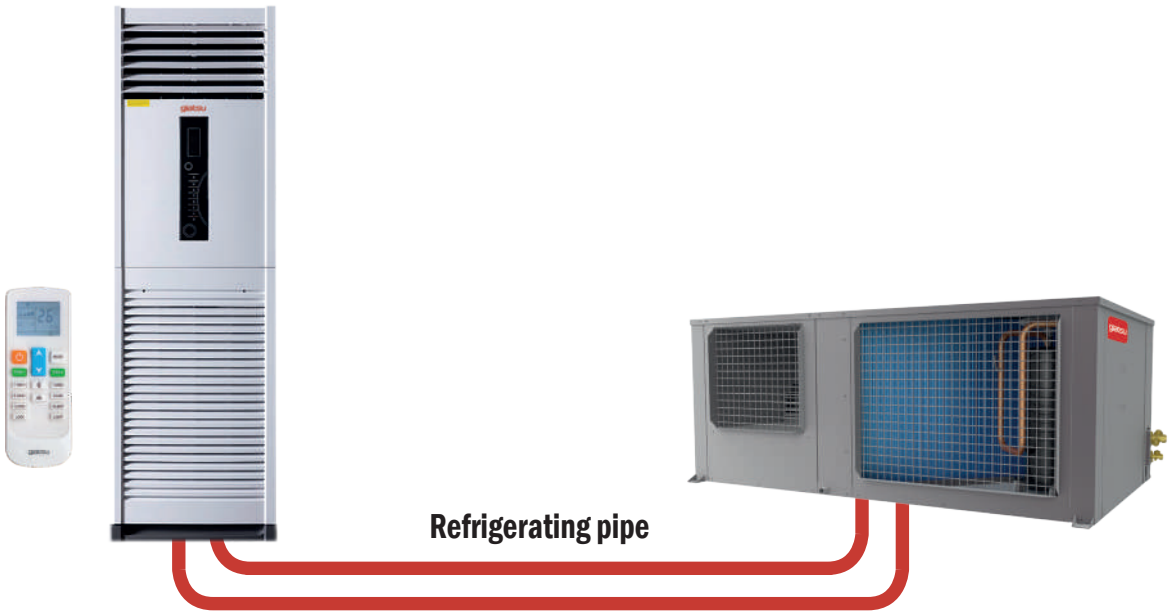
Invisible 1x1 System

Column indoor unit assembly



MODELS

			GIAC160COLCEN
Outdoor unit / indoor unit			GIA-CEN-16KOMP / GIA-160COLKOMP
Power supply (V,P,Hz)		V, P, Hz	220-240V (1 Phase - 50Hz)
Capacity	Cold	kW	16
	Heat	kW	17,8
Air flow		(m^3/h)	1620
Net dimensions (W×H×D)		mm	630x1929x379

GIATSU se reserva todos los derechos a modificar modelos y datos técnicos sin previo aviso. Información válida salvo error tipográfico o de imprenta.

Our projects

UNIVERSITY OF SEVILLA
VRF V4+ Units (206 Kw)
(Sevilla)
N

BLANES TOWN HALL
VRF V4+ Units (33,5 Kw)
(Blanes)
N

STUD. RES. HOSTELRY
VRF V4+ Units (186 Kw)
(Mérida)
N

MINISTRY OF EMPLOYMENT AND SOCIAL SECURITY HEADQUARTERS
VRF V4+ Units (105 Kw)
(Madrid)
N

GERIATRIC CENTRE
VRF V4+ Units (61,5 Kw)
(Sabadell)
N

"CAN BISA" CENTRE
VRF V4+ Units (118 Kw)
(Vilassar de mar)
N

ECOPARK "EL ACEITUNO"
VRF V4+ Units (58,7 Kw)
(Toledo)
N

EL VALLÉS BUSINESS CENTRE
VRF V4+ Units (33,5 Kw)
(Parets del vallés)
N

CAJA ALMENDRALEJO HEADQUARTERS
VRF V4+ Units (28 Kw)
(Cáceres)
N

MANGO
VRF V4+ Units (106,4 Kw)
(Madrid)
N

SOCIAL SERVICES CENTRE
VRF V4+ Units (61,5 Kw)
(Daganzo)
N

TECHNO. SCIENTIFIC PARK
VRF V4+ Units (85 Kw)
(Córdoba)
N

OLIVAR DE SIERRA MUSEUM
VRF V4+ Units (90 Kw)
(Adamuz)
N

JABAGA ABBEY
VRF V4+ Units (45 Kw)
(Cuenca)
N

ABASTOS MARKET
VRF V4+ Units (674 Kw)
(Almería)
N

Our projects

NOVOTEL HOTEL
VRF V4+ Units (90 Kw)
(Málaga)
N

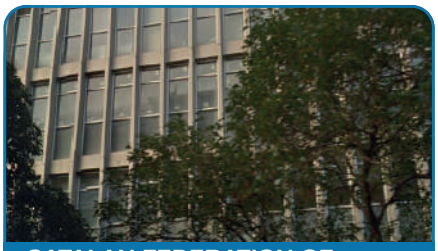
TOWN HALL
VRF V4+ Units (45 Kw)
(Carraceledo)
N

SOCIAL AFFAIRS
VRF V4+ Units (115 Kw)
(Palma del río)
N

DAY CARE CENTRE
VRF V4+S Units (120 Kw)
(Socuéllamos)
N

"JESUS NAZARENO" RESID.
VRF V4+ / Mini VRF (120 Kw)
(Montero)
N

MEAT INDUSTRY 3 REYES
VRF V4+ Units (35 Kw)
(Teruel)
N



CATALAN FEDERATION OF REFEREES HEADQUARTERS
VRF V4+ Units (58,7 Kw)
(Barcelona)
N

"TRIGUEROS" FARM SCHOOL
VRF V4+ Units (45 Kw)
(Huelva)
N

ALESTIS AERÓPOLIS
VRF V4+ Units (35 Kw)
(La Rinconada)
N

SPORTS CENTRE
VRF V4+ Units (45 Kw)
(Almudévar)
N

MAGNETI MARELLI
VRF V4+ Units (90 Kw)
(Llinars del Vallés)
N

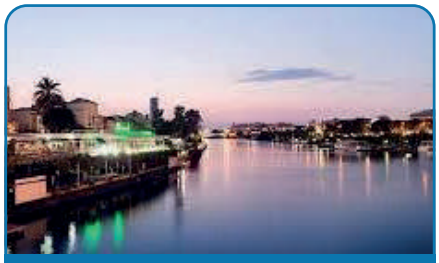
BINGO
V4+ (130 Kw) / V4+R (25 Kw)
(Zaragoza)
N

MERCEDES BENZ CONCESUR CONCESSIONAIRE
VRF V4+ Units
(Sevilla)
N

VITHAS HOSPITAL
VRF V4+ Units
(Almería)
N

GREGORIO MARAÑÓN UNIVERSITY HOSPITAL
Chiller Units
(Madrid)
N

Our projects



RÍO GRANDE RESTAURANT
VRF V4+ Units
(Sevilla)
N

COVIRAN SUPERMARKET
Mini VRF Units
(Blanes)
N

PEUGEOT CONCESSIONAIRE
VRF V4+ Units
(Sevilla)
N

"LA RABIDA" HOTEL
Split 1x1 + Columns Units
(Palos de la Frontera)
N

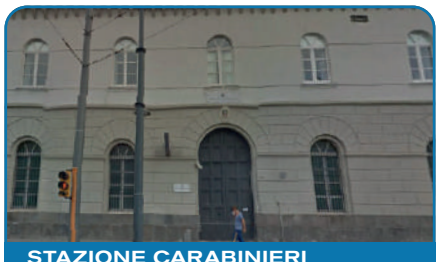
MUSEU DO LINHO
VRF V4+ Units (25 Kw)
(Cerva)
i

AKAYET HOTEL
VRF V4+ Units (101,5 Kw)
(Ghana)
i

SUPER. ASSOCIATO SISA
VRF V4+ Units (100,5 Kw)
(Napoli)
i

PASTICCERIA MONTI
Mini VRF Units (26 Kw)
(Como)
i

GALLERIA DELLE NOVITÀ
VRF V4+ Units (73,5 Kw)
(Livigno)
i



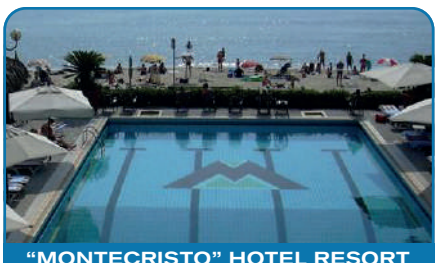
STAZIONE CARABINIERI BORGOLORETO
VRF V4+ Units (28 Kw)
(Napoli)
i

CENTRO CARNI
Mini VRF Units (26 Kw)
(Melegnano)
i

AZIENDA REGIONALE EMERGENZA DELLA REGIONE LOMBARDIA
Mini VRF Units (52 Kw)
(Milano)
i

"RIU LE MORNE" HOTEL
VRF V4+ Units (22 Kw)
(Islas Mauricio)
i

OLIVEIRA DO BAIRRO 2
VRF V4+ Units (33,5 Kw)
(Portugal)
i



"MONTECRISTO" HOTEL RESORT
Mini VRF Units (72 Kw)
VRF V4+ Units (28 Kw)
(Marina di Campo Isola d'Elba)
i

Terms of sale

1. General conditions

The general conditions of sale described below will apply to all sales made by **GIA GROUP** and will be considered known and accepted by the buyer when placing his order, being fully applicable, unless denied by **GIA GROUP.**

2. Order acceptance

It is considered order to receive a written document that incorporates the Company Logo, Commercial Name or Corporate Name, with the description of the requested materials and preferably adding the agreed price, reference or No. of Order. or any other data that may be required for its correct validation in the invoice acceptance process. All these must be accepted and signed by the buyer and sent to **GIA GROUP** by fax to 933 904 205 or by e-mail (pedidos@htwspain.com or dac@htwspain.com). Acceptance of orders are strictly limited to the supplies and / or services expressly mentioned in the document.

Telephone orders are not supported.

For equipment orders that **GIA GROUP** does not have in regular stock and have to be specially requested and manufactured, 30% of the total budget must be paid as a guarantee reserve. Without this reservation payment **GIA GROUP** will not process any order.

3. Order revocation

GIA GROUP reserves the right to cancel orders pending delivery when the buyer has completely or partially breached previous contracts / agreements.

Accepted orders cannot be canceled in the following cases:

- When the order has been issued.

- When dealing with special manufacturing material, it would have begun to be manufactured. (In these cases the buyer refuses to claim the return of 30% of the total order).

4. Prices and shipments

In the rate, the RRP is indicated, which is the Retail Price without VAT.

The sales prices indicated in the current rate of each moment, include the delivery of the equipment from our logistics centers to the buyer's warehouses, indicated delivery address or on the building site by truck throughout the Peninsula and the Balearic Islands. Shipments to the Canary Islands, Ceuta and Melilla are excluded from shipping and are borne by the applicant.

GIA GROUP, reserves the right to modify the prices of its rate, and in these cases must notify customers.

GIA GROUP does not undertake, nor guarantee deliveries of goods at agreed times on the day or delivery to private homes. All deliveries will be made on the agreed day during business hours.

5. Order Reception

The customer has to examine / review the product, within 24 hours from the date of receipt indicated on the delivery note of the transport company. After this period is considered that the customer receives the product in full compliance and will not have the right to claim any damage. In case you have any damage or doubt regarding the original packaging, even if it is small, it is necessary to indicate it on the delivery note, so it could be replaced.

6. Order delivery

Orders will be delivered within 72 hours, excluding holidays, without prejudice to what is indicated on the delivery note / invoice by agreement between the parties. The delivery terms are indicative and no damage, interest, damage, penalty, fine or compensation will be recognized to the buyer in case of delay, for whatever reason.

7. Payment conditions

The payment of the products supplied by **GIA GROUP** will be made in cash by bank transfer. In case of insurance company grants credit to the buyer, the maximum payment terms will be those established by Law 15/2010, of July 5, amending Law 3/2004 of December 29 and always agreed by **GIA GROUP**

8. Refund

GIA GROUP will not accept returns of supplied and delivered merchandise, except in justified and authorized by **GIA GROUP** cases, and it is necessary that they are in perfect condition, packaging and operation.

It will be essential the written and numbered authorization for the reception of the merchandise in our dependencies. The freight originated by the mentioned return, will always be in charge of the buyer.

If, once the material has been inspected, it does not meet these requirements, a demerit of its payment will be made, which may be up to the total original value invoiced in the order.

9. Guarantee

GIA GROUP guarantees the entire range of products sold in Spain and Portugal for a minimum period of 2 years in pieces, labour and travel displacement. However, the duration of the warranty for each product range is specified in the current tariff, because some equipment has a warranty extension. All VRV studies provided by GIA GROUP are indicative.

In accordance with the above, GIA GROUP will repair or replace any defective product due to design flaws and used materials in its manufacture, according to the following conditions:

- The customer must provide the purchase invoice, with the complete information about the defect, which must be approved by the **GIA GROUP** technical assistance department.
- Any anomaly or other damage to the equipment for which the authorized SAT of the area has to go, the intervention will have to be paid in full by the user / installer or distributor since otherwise, the team will lose the right to assistance until the payment of the previous one.
- The product must have been properly installed, maintained, and operated according to the installation and operating instructions that goes with the product. The customer will not have, by himself or by a third party, tried to repair the product or replaced parts, unless expressly authorized by GIA GROUP

The following cases are excluded:

- Damage caused by improper handling, maintenance, configuration and installation of the equipment.
- Improper handling of the product or having forced its operation.
- Use of spare parts not authorized by the manufacturer or modification of the product without the authorization of the manufacturer.
- Installations or product combinations not approved by the manufacturer.
- Wear of usual parts.
- Use of refrigerant fuel.
- Failures related to water hardness (limestone deposits on generator elements or partial or total obstructions of the primary or secondary circuit of the same).
- Defective draft or ventilation.
- Improper transport or storage, corrosion, abrasion, lack of cleaning, misuse or abuse, wear due to misuse.
- The guarantee does not cover expenses derived from the assembly of elements such as furniture, cabinets, etc. that hinder free access to equipment or its components. Likewise, home advice services on the operation of the device are not covered.
- For installations abroad, it must be protected against the weather (rain, wind).
- All equipment that has not passed maintenance work once every 12 months. (according to Royal Decree 1751/1998 of July 31).
- All equipment that includes hot water storage tanks and the anode has not been checked annually by a service after the official guarantee period has expired.
- Faults due to excessive water pressure, voltage, pressure or inadequate gas supply.
- Products, parts or components struck during transport or during installation.
- In the models whose ignition is carried out by means of batteries, the customer must keep in mind its maintenance and proceed to its replacement when they are exhausted. The guarantee benefits do not cover expenses derived from home delivery.
- The warranty does not cover the costs and expenses incurred to access the equipment or its installation.

10. Setting up

The commissioning service is a service included in the purchase price for all VRF equipment and chillers over 25 kW (except 1x1 equipment). Said equipment must be started up by affected technicians from the GIA GROUP in order to have a guarantee. In this case, the warranty period will start from the date of commissioning. In any case and for technical reasons, the unit must be started up within 3 months after delivery of the same or the invoice. At the request of the user, you can also request start-up for the rest of our equipment by paying the service to our authorized SAT.

Commissioning by GIA GROUP personnel will not imply full approval of the installation by GIA GROUP, but will only refer to issues related to the product commissioning report.

Mandatory requirements for start-up assistance.

No start-ups will be made:

- In those equipments that do NOT have definitive electrical supply.

- In unfinished, provisional facilities, difficult to access.

- In facilities that we have not previously received the necessary documentation.

- The characteristics of which do not coincide with the diagrams and documentation sent when requesting start-up.

- Those facilities that do not comply with current regulations and standards.

11. Taxes and WEEE

All taxes on the sale of **GIA GROUP** products included in this price list, according to current legislation, will be borne by the buyer.

GIA GROUP in compliance with RD 208/2005, of February 28, on electrical and electronic devices and waste management, will include in its final prices, the eco-tax corresponding to each type of product.

12. Applicable Law and Jurisdiction

The general conditions of sale will be understood as accepted by the buyer when placing the order.

GIA GROUP and the buyer agree that any dispute, whatever its nature, will be expressly and unequivocally submitted to the exclusive jurisdiction of the courts of Barcelona (Spain), although GIA GROUP may proceed judicially against the buyer before the courts of any jurisdiction in the one that he resides or develops his business.

HTW giatsu

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