

nipon[®]

techforcomfort

Quality that you feel



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DISTINGUISHING OURSELVES



PRE-SALE SERVICE

NIPON provides its customers with a team of qualified and specialized professionals with training in Engineering to provide all the necessary support for the direction and selection of equipment in order to present an ideal technical solution that best adapts to the real needs of the installations.



AFTER-SALE TECHNICAL ASSISTANCE

We guarantee an extensive After-Sale Technical Service composed by a team of highly trained technicians, and a warehouse stocked with spare parts, for easy and quick replacements and repairs

 www.disterm.pt

 249 530 552



WARRANTY

As proof of our quality, all our equipments have 5 years of warranty against manufacturing defects - 3 years of total warranty + 2 years warranty parts only.



ONLINE DOCUMENTATION

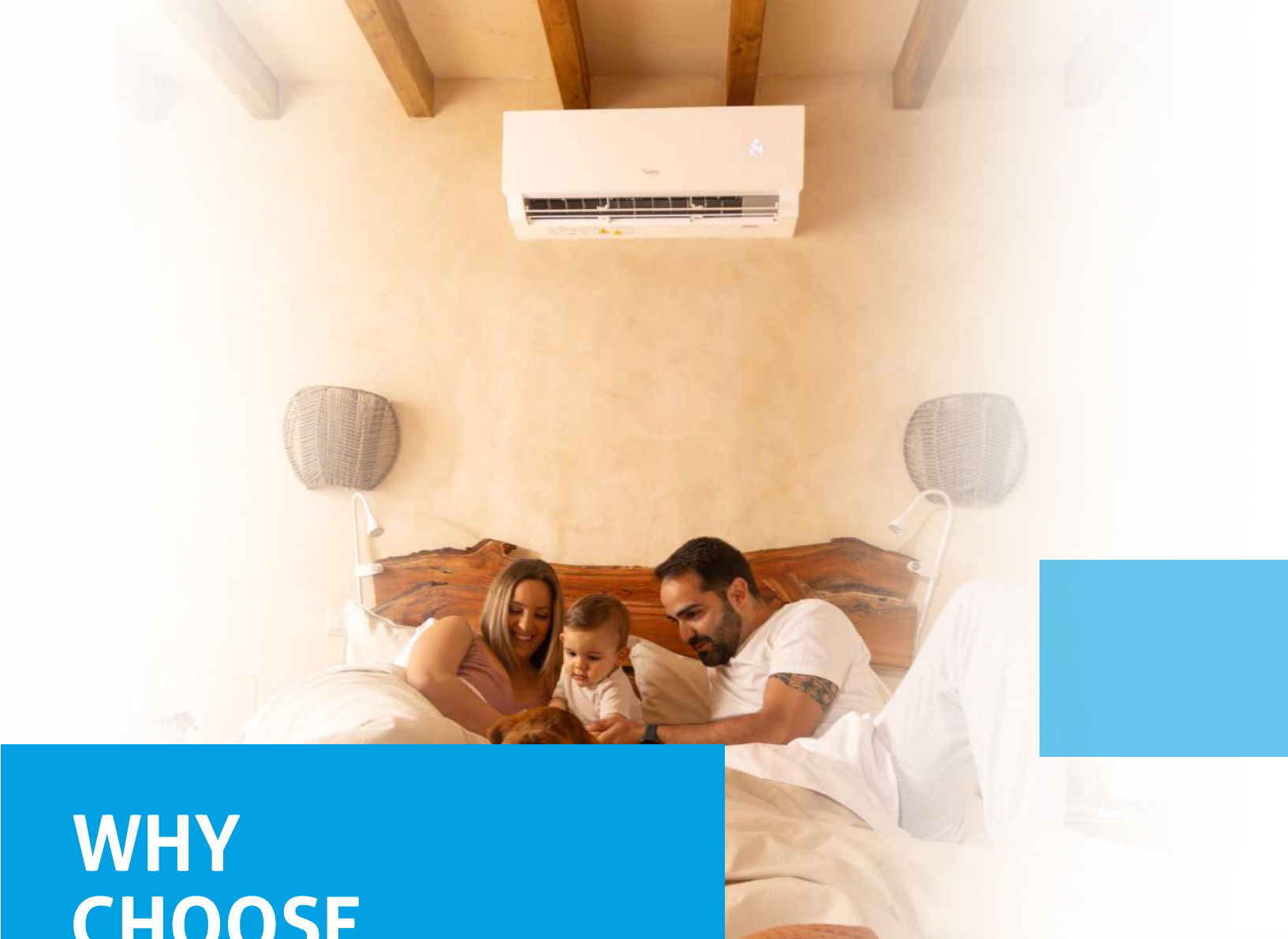
You can find technical documentation of each product in their respective page and, in order to have access to the product's technical manuals, all you have to do is to access the menu DOWNLOADS. If you can't find what you are looking for, get in contact with us through the Contact Form, available in the CONTACTS menu option.



INTERNACIONAL WEBSITE

Nipon techforcomfort[®] responsive website, available in both multi language, has accurate and updated information about our products and their support.

WE ARE
INTEGRITY
COMMITMENT
QUALITY



WHY CHOOSE NIPON?

We offer a wide range of equipment to meet your needs.



All our equipments have 5 years of warranty against manufacturing defects. (3 years full warranty + 2 years warranty only parts)



We value and give priority to our professional partners.



Smart control Wi-Fi



Silent equipment to maximize comfort.



All equipment uses the ecofriendly R-32 Refrigerant Gas.

Which not only makes them more environmentally friendly, but also makes them more energy efficient.



All equipments are subjected to the most rigorous testing, order to guarantee maximum efficiency and performance; and to the most rigorous guidelines (European and worldwide). This Leads to some of the most efficient products in the market.

A LINE TO RESPECT THE ENVIRONMENT

GÁS R-32

The GWP (Global Warming Potential) index of R-32 is at least a third of the value of the R410-A gas, and it allows for a much reduced refrigerant gas volume, all of which add to the European Union F-Gas Regulation goals, being energetically efficient, safe and accessible. The R-32 gas is easy to recycle, and reuse. That said, the R-32 is also easy to handle by the installer and the assistance team technicians, since it can be loaded in either liquid or gas phase; not having any problems regarding the separating or gliding.

GÁS R-290

Known as propane gas, R290 is a class A3 natural hydrocarbon refrigerant with a low environmental impact. This refrigerant is a pure substance without evaporative slippage and with a high thermodynamic performance, comparable only to ammonia (R717) or difluoroethane (R1520).

This refrigerant has low toxicity, but is highly flammable.

Its application in Europe is currently regulated by regulations on refrigerant charge limits according to the place of application and installation.

Commercialized since 2012, the **Nipon techforcomfort®** has already established itself as a trusted brand. The Nipon name was inspired by the culture and quality of Land of the Rising Sun - Nipon and reflects the quality of the brand.

Nipon techforcomfort® provides the best solutions for Air Conditioning, Heat Pump, DHW Production and Fan Coils in the market. Yielding a wide array of both residential and commercial/ industrial products.

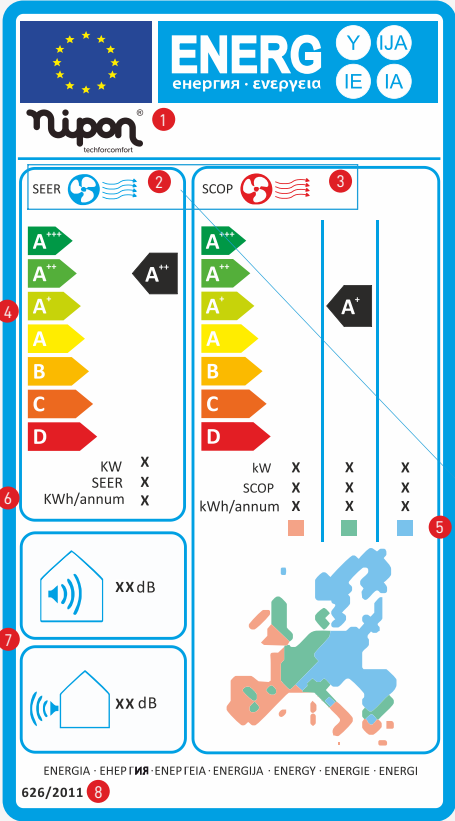
The environment is a key point in the **Nipon techforcomfort®** product line being a constant concern to guarantee comfort and quality while assuming as minimal environmental impact as possible. **For that, in 2019, we fully updated our Air Conditioning brand to R-32 Refrigerant Gas.** In order to reduce the GWP (Global Warming Potential) significantly lower than of R-410A into our range of AQS INNOVUS and I-NeX heat pumps.

QUALITY AND EFFICIENCY

The Nipon techforcomfort models in the residential and commercial ranges are rated at least Class A, in accordance with European standards. The product labeling complies with the energy efficiency standards set forth in Regulation 626/2011.

- 1 Manufacture/ Brand
- 2 SEER (Cooling) Seasonal Energy Efficiency Ratio
- 3 SCOP (Heating) Seasonal Coefficient of Performance
- 4 Energy efficiency class
- 5 Three climate zones for heating
- 6 Annual energy consumption (KWh)
- 7 Sound power level, in dB, (indoor and outdoor)
- 8 Year the label was introduced and standard number

ENERGY LABEL



2 SEER Cooling	3 SCOP Heating
A+++ >8.5	A+++ >5.1
A++ >6.1	A++ >4.6
A+ >5.6	A+ >4.0
A >5.1	A >3.4
B >4.6	B >3.1
C >4.1	C >2.8
D >3.6	D >2.5

Another concern of the Nipon techforcomfort brand is the product design, always trying to achieve elegant, minimalistic and distinctive balance, smoothing the transition between being an appliance and a part of your home.

design



Supported by product quality, Nipon techforcomfort It offers a 5-years warranty.
(3 years warranty + 2 years on parts).

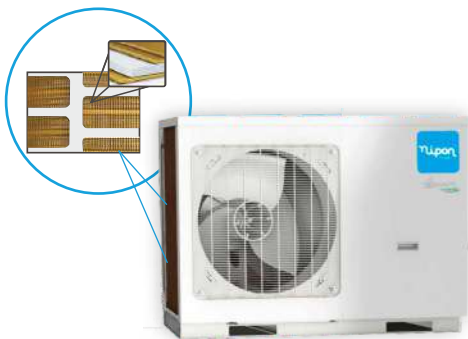
3DC INVERTER TECHNOLOGY

A Cutting-Edge Technology that provides an intelligent Air Conditioning operation and minimizes losses of energy. The compressor works in a more efficient and smooth way, turning the temperature control into a more precise and less noisy process, improving the comfort and reducing the energy consumption to a minimum.

The three Inverter components the compressor and fans in the outdoor and indoor units operate continuously without starting or stopping, adjusting their speed to ensure your comfort.

With the DC Inverter technology, the equipment only consumes energy that needs at any given moment, in order to guarantee the intended temperature and keep it constant. This way it can achieve a lesser energy expense, a better comfort and noise cancelling capabilities; all this while prolonging the life-cycle of the product it self.

The energy consumption can be reduced by 50% in comparison to fixed-speed compressors.



GOLDENFIN

Anti-Corrosion Treatment of the OU interchanger grants it with a golden look (Golden Fin), making the unit a great product for seaside environment with high level of corrosion.

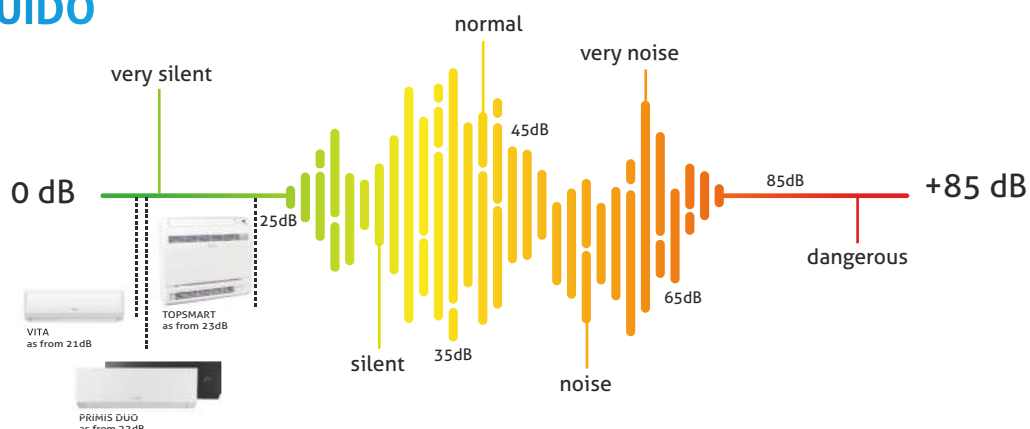


BLUE FIN TECHNOLOGY - Anti-corrosion protection - Air conditioning

Blue Fin coating is used on the condenser and evaporator coils is Nipon techforcomfort® indoor and outdoor air conditioning units. This coating has the function of protecting against rust and corrosion and increasing the efficiency of the condensate flow.



NÍVEL DE RUÍDO

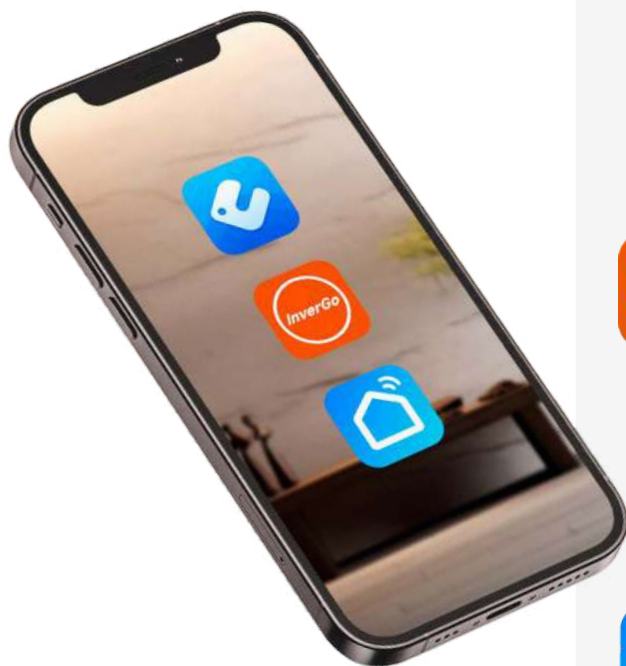


The NIPON techforcomfort® equipment provides you with a minimum noise level of 21dBa. Our equipment are so silent as a breeze passing through the leaves of a tree.

FOR A SMART LIFE

THE APP ALLOWS YOU TO CONTROL YOUR DEVICE USING A SMARTPHONE OR TABLET.

App for controlling temperature settings, daily and weekly scheduling, and other configurations.



EWPE
AIR CONDICIONING/ HEAT PUMP



SistemaAndroid
SuportaAndroid4.4
eversõesacima



SistemaiOS
SuportaiOS7.0
eversõesacima



INVERGO
SWIMMING POOL HEAT PUMPS RANGE



SistemaAndroid
SuportaAndroid4.4
eversõesacima



SistemaiOS
SuportaiOS7.0
eversõesacima



SMART LIFE
HRV



VOICE COMMANDS

With Nipon techforcomfort[®] air conditioning, you can access its features from anywhere and turn off your unit.

If you have an **ALEXA** or **GOOGLE ASSISTANT** device at home, you can control certain units using the voice control feature.



"Turn on the air conditioner"

"Set the air conditioner 22°C"



FUNCTIONS



Cold at -15° Outside

System Capable of Operating up to -15°C.



360° Distribution

Panel Designed Especially for a 360 Air Distribution.



Auto Diagnosis

The systems makes a complete checkup to verify its integrity and functioning.



Display LED

Device equipped with a LED lighted Display, showing functioning information.



Low Sound Pressure (dB)

The unit is designed to work at the lowest sound pressure, thanks to a much lower fan speed.



Intelligent Desfosting

Minimizes the wait time for the hot air to come out of the indoor unit.



Incorporated Condensate Pump

For an easier, flexible and quick Installation



Auto Restart

Automatic Restart in the Event of a Power Shortage.



Anti Cold Air Function

Prevents Cold Air Ventilation during Heating working mode.



Automatic Cleaning

Does an Auto Cleanup Routine before shutting of completely.



Turbo

Quickly reach the desired temperature.



Swing Auto 3D

Automatic Vertical and Horizontal Swing of the Fins



Swing Auto

Automatic Vertical Swing of the Fins.



Swing Memo

Fin Position Memorizing



Outdoor Mode

Presents Room Temperature to decrease below 8°C, protecting the building and it's pipelines, in case of long absences.



Dehumidification

Dehumidification Mode without changes in Ambient Temperature.



IFEEL

Function that utilizes a sensor in the controller remote for monitoring and keep the desired temperature.



Sleep

Function that Automatically Reduces the fan and room temperature in order to provide for a peaceful sleep.



Energy Savings

The Equipment adjusts it's load in order to reduce energy consumption.



Timer

Sets a 24h work schedule.



R32

Refrigerant Gas used by the equipment.



Inverter

Technology that reduces energy consumption and manages is better, not only while cooling but while heating as well.



ERP

Respects European Normative Requisites.



UV

Inhibits and sterilizes bacteria and viruses up to 99.97% It has the advantage of being small, long-lasting and ozone-free.



IONIZADOR

Neutralizes bacteria, fungi, pollens, dust mites and other pollutants, with an efficacy of up to 93%



Filter

Practical Design for easier disassembly and cleaning.



Mono e Multi

Mono and Multi-Split compatible Indoor Unit.



Anti-Bacterial Filter

Eradicates particles, molds and bacteria.



Silver Ion Filter

Eradicates Viruses and Bacteria.



Catalytic Filter

Eradicates Particles and Odors.



AI

The device remembers usage habits to optimize operation ensuring comfort and saving energy.



WiFi

WiFi Control through App.



Controlo por Voz

Compatible with Alexa and Google Assistant apps.

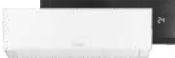
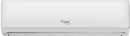
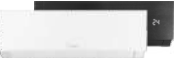
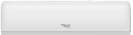
LINE-UP

EQUIPMENTS/CAPACITY

RESIDENTIAL LINE

Multi Split

Mono Split

Model	Power	 WiFi	 Optional Wired Control	 Condensate Pump	 Remote Control	 Silent mode	 Voice Control	 AI	 UV	 Ionizer	Pág.
UNIDADE EXTERIOR MULTI 	7.1; 8.0; 10.5; 12kW										18
UNIDADE EXTERIOR AC + AQS 	10.5; 12kW					●					19
PRIMIS DUO 	2.5; 3.5; 5.3; 7.1kW	●	●		●		●	●	●	●	21
VITA 	2.5; 3.2; 4.6; 6.2 kW	●	●		●		●				21
CASSETE 8 VIAS 	3.5; 5.0; 7.0kW	●	●	●	●						22
CASSETE 1 VIA 	2.6; 3.5; 5.0; 5.6kW	●	●	●	●						22
TOPSMART 	2.6; 3.5; 5.0; 5.6kW	●	●		●						23
CONSOLA CHÃO-TETO 	2.5; 3.5; 4.5; 7.1kW	●	●		●						23
CONDUTA 	2.5; 3.5; 5.0; 7.1kW		●	●							24
CONDUTA 	2.65; 3.5; 5.0; 7.0kW	●	●	●							24
PRIMIS DUO 	2.7; 3.5; 5.3; 7.1kW	●	●		●		●	●	●	●	15
VITA 	2.5; 3.2; 4.6; 6.2kW	●	●		●		●				16
TOPSMART 	2.7; 3.5; 5.2kW	●	●		●						17

Legend:
● Included
● Optional

COMMERCIAL LINE

Mono Split	Model	Power	 WiFi	 Optional Wired Control	 Condensate Pump	 Remote Control	 Built-in Wi-Fi	Pág.
	CASSETE 	3.5; 5.0; 7.0; 8.5; 10.0; 13.4; 16.0kW	●	●	●	●		28
	CONSOLA CHÃO-TETO 	3.5; 5.0; 7.0; 8.5; 10.0; 13.4; 16.0kW	●	●		●		29
	CONDUTA 	3.5; 5.0; 7.0; 8.5; 10.0; 13.4; 16.0kW	●	●	●		●	30
	ARMÁRIO MAGNUM 	7.2; 12.3; 12.5kW	●	●		●	●	31





AQUANOVUS

SPLIT HEAT PUMP



NEW

HEAT PUMP

Greater efficiency, greater comfort, and greater sustainability



ECO- FRIENDLY GÁS

It uses R290 and R32 refrigerants, which have a low environmental impact.



GREATER EFFICIENCY

Advanced technology for maximum efficiency and lower energy consumption.



GREATER DURABILITY

High-quality components and anti-corrosion protection for greater durability

nipon



RESIDENTIAL LINE
MONO - SPLIT | MULTI-SPLIT

PRIMIS

DUO

FRESH AIR, EFFICIENCY AND TECHNOLOGY



SILVER DETAILING
Square lines



ION GENERATOR
Improves air quality



**WHITE OR
DARK GREY**



REMOTE CONTROL
User-friendly DESIGN



LOW NOISE
22Db(A)



SPECIAL TEXTURE
Ultra-fine lines
Matt Finish



UV AGAINST VIRUSES
Kills over+93%
of viruses and bacteria



ARTIFICIAL INTELLIGENCE
Monitoring of usage habits



UNIQUE DESIGN

WALL-MOUNTED MONO-SPLIT AIR CONDITING



GAMA DOMÉSTICA

PRIMIS

PRIMIS DUO air conditioning units are highly efficient, with A+++ Energy Class. PRIMIS DUO transforms the air quality of your home, thanks to the ion generator and the UV system that eliminates viruses and bacteria. The unit is equipped with Wi-Fi, voice control and AI technology that will adapt and understand your needs, translating into more balanced comfort and energy savings.

The PRIMIS DUO also has the functions I FEEL, OUT OF HOME mode, ENERGY SAVING MODE, SWING AUTO 3D, VOICE CONTROLLER and an adjustable fan with 7 SPEEDS. The PRIMIS DUO is available in black and white.



A PRIMIS DUO está disponível na cor cinza antracite e branca.

Wall-mounted PRIMIS DUO Units			PRIMISD09 GA	PRIMISD12 GA	PRIMISD18 GA	PRIMISD24 GA
Cooling	Cooling Capacity	kW	2.7	3.5	5.3	7.1
	Input Power	W	670	877	1472	2030
	Current Input	A	3.1	4.1	6.6	9.0
	SEER	W/W	8.5	8.5	8.0	7.0
Energy Class			A+++	A+++	A++	A++
Heating	Heating Capacity	kW	3.0	3.8	5.6	7.3
	Input Power	W	680	952	1365	1870
	Current input	A	3.2	4.5	6.2	9.3
	SCOP	W/W	5.7	5.6	5.8	5.5
Energy Class			A+++	A+++	A+++	A+++
Temperature Range IU		°C	16~30	16~30	16~30	16~30
Temperature Range OU (Cooling./ Heating.)		°C	-15~50/-15~30	-15~50/-15~30	-15~50/-15~30	-15~50/-15~30
Power Supply (OU)			220-240V~50Hz,1Ph			
Electrical Connections	Supply	mm ²	3x2,5 (Unid.Exterior)	3x2,5 (Unid.Exterior)	3x2,5 (Unid.Exterior)	3x2,5 (Unid.Exterior)
	In/Out	mm ²	4x1,5			
Compressor type			DC INVERTER ROTARY			
Indoor Unit Air Flow (Max/.../Min)		m ³ /h	610/570/540/470/ 440/420/390	720/600/570/530/ 500/460/430	1000/880/760/650 620/600/550	1000/850/760/580 520/450/400/
Noise Level IU (Max/.../Min)		dB(A)	38/37/34/31/ 26/23/22	43/39/37/35/ 32/30/24	45/42/40/37/ 34/29/26	48/44/41/40/ 38/36/33
Dehumidification		L/h	0.8	1.4	1.8	2.4
Indoor unit	Dimensions (WxDxH)	mm	837x200x293	837x200x293	993x222x311	993x222x311
	Unit's Weight	Kg	9.5	9.5	13.0	13.0
	Package Dim. (WxDxH)	mm	896x272x373	896x272x373	1055x298x385	1055x298x385
Outdoor Unit Air Flow		m/h	1950	2200	3000	3600
Noises Level OU		dB(A)	50	53	59	59
Outdoor unit	Dimensions(WxDxH)	mm	732x330x555	802x350x555	873x376x555	958x402x660
	Unit's Weight	Kg	25	30	37	45
	Package Dim. (WxDxH)	mm	794x376x615	872x398x620	951x431x620	1032x456x737
Additional Gas Load		g/m	16	16	16	40
R32 Refrigerant Gas load (up to 5m)		g	530	800	950	1400
Refrigerant Connections	Liquid/ Gas Line	poL	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	1/4"-5/8"
	Line Max Length	m	15	20	25	25
	Line Max Height Dif.	m	10	10	10	10
Code Set - White			NI0115109	NI0115112	NI0115118	NI0115124
Code Set - Dark Grey			NI0115159	NI0115162	NI0115168	NI0115174

Available in,



To better understand this symbols refer to page 9.

WALL-MOUNTED MONO-SPLIT AIR CONDITIONING

VITA

A+++



VITA

VITA air conditioning units, with their compact and minimalist design, ensure comfort and quality in any room. With A+++ energy class, built-in Wi-Fi and a low noise level, they ensure efficiency, ease of use and maximum comfort.

The VITA is equipped with a LED display, Wi-Fi, voice control, an I FEEL function, included infrared remote, optional wired wall control, and an optional door control module (dry contact, for card control).



Wall-mounted VITA Units			VITA09 GA	VITA12 GA	VITA18 GA	VITA24 GA
Cooling	Cooling Capacity	kW	2.5	3.2	4.6	6.2
	Input Power	W	680	991	1353	1786
	Current Input	A	3.1	4.4	6.2	7.6
	SEER	W/W	6.6	6.1	7.2	6.8
	Energy Class		A++	A++	A++	A++
Heating	Heating Capacity	kW	2.8	3.4	5.2	6.5
	Input Power	W	730	916	1334	1645
	Current Input	A	3.2	4.0	6.1	7.6
	SCOP	W/W	5.1	5.1	5.1	5.1
	Energy Class		A+++	A+++	A+++	A+++
Temperature Range IU		°C	16~30	16~30	16~30	16~30
Temperature Range OU (Colling./ Heating.)		°C	-15~43/-15~24	-15~43/-15~24	-15~43/-15~24	-15~43/-15~24
Power Supply (OU)			220~240V~50Hz,1Ph			
Electrical Connections	Supply	mm ²	3x2,5 (Unid.Exterior)	3x2,5 (Unid.Exterior)	3x2,5 (Unid.Exterior)	3x2,5 (Unid.Exterior)
	In/Out	mm ²	4x1,5			
Compressor Type			DC INVERTER ROTARY			
Indoor Unit Air Flow (Max/.../Min)		m ³ /h	500/470/430/390/ 320/270/250	590/520/480/400/ 350/320/280	1000/960/870/ 810/720/640/600	1050/900/740/690/640 590/540
Noise Level IU (Max/.../Min)		dB(A)	38/36/34/32/ 28/25/21	41/37/35/33/ 30/26/24	47/45/43/41/ 35/30/23	50/46/44/42/ 40/36/32
Dehumidification		L/h	0.6	1.4	1.8	1.8
Indoor Unit	Dimensions (WxDxH)	mm	708x185x260	783x185x260	943x246x333	943x246x333
	Unit's Weight	Kg	7.0	8.0	13.0	13.5
	Package Dim. (WxDxH)	mm	753x332x258	828x332x258	1001x405x322	1001x405x322
Outdoor Unit Air Flow		m ³ /h	1950	1950	2100	2800
Noise Level OU		dB(A)	50	52	55	58
Outdoor unit	Dimensions (WxDxH)	mm	732x330x555	732x330x555	732x330x555	873x376x555
	Unit's Weight	Kg	24.5	25	27.5	36.5
	Package Dim. (WxDxH)	mm	794x376x615	794x376x615	794x376x615	951x431x620
Additional Gas Load		g/m	16	16	16	16
R32 Refrigerant Gas load (up to 5m)		g	480	550	770	1210
Refrigerant Connections	Liquid/ Gas Line	pol.	1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"
	Line Max Length	m	15	20	25	25
	Line Max Height Dif.	m	10	10	10	10
Code			NIO115309	NIO115312	NIO115318	NIO115324



To better understand this symbols refer to page 9.

MONO-SPLIT Air Conditioning Console TOPSMART



CONSOLA TOP SMART

The TOPSMART Console is ideal for every kind of room, since it can be floor and wall-mounted, or installed built-in the wall itself. The easy filter access allows for an easy and effective maintenance and clean-up.

The TOPSMART usage is very user-friendly, due to it's built-in Wi-Fi.



TOPSMART Console Units			TOP09 GA	TOP12 GA	TOP18 GA
Cooling	Cooling Capacity	kW	2.7	3.5	5.2
	Input Power	W	720	1000	1550
	Current Input	A	3.5	4.5	7.1
	SEER	W/W	7.2	7.0	6.6
Energy Class			A++	A++	A++
Heating	Heating Capacity	kW	2.9	3.8	5.3
	Input Power	W	730	960	1500
	Current Input	A	3.6	4.3	6.7
	SCOP	W/W	5.3	5.3	5.3
Energy Class			A+++	A+++	A+++
Temperature Range IU		°C	16~30	16~30	16~30
Temperature Range Ou (Cooling./ Heating.)		°C	-15~43/-22~24	-15~43/-22~24	-15~43/-22~24
Power Supply (OU)			220~240V~50Hz,1Ph		
Eletrical Connections	Supply	mm ²	3x2,5 (Unid.Exterior)	3x2,5 (Unid.Exterior)	3x2,5 (Unid.Exterior)
	In/Out	mm ²	4x1,5		
Compressor Type			DC INVERTER ROTARY		
Indoor Unit Air Flow (Max/.../Min)		m ³ /h	250~500	280~600	320~700
Noise Level IU (Max/.../Min)		dB(A)	39/30/23	44/35/25	47/39/31
Indoor unit	Dimensions (WxDxH)	mm	700x215x600	700x215x600	700x215x600
	Unit´s Weight	Kg	15.5	15.5	15.5
	Package Dim. (WxDxH)	mm	788x283x697	788x283x697	788x283x697
Outdoor Unit Air Flow		m ³ /h	1600	2200	3200
Noise Level OU		dB(A)	49	52	57
Outdoor unit	Dimensions (WxDxH)	mm	782x320x540	842x320x596	965x396x700
	Unit´s Weight	Kg	29	31	46
	Package Dim. (WxDxH)	mm	823x358x595	881x363x645	1029x458x750
Additional Gas Load		g/m	16	16	20
R32 Refrigerant Gas Load (up to 5m)		g	550	750	950
Refrigerant Connections	Liquid/ Gas Line	poL.	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"
	Line Max Length	m	20	20	25
	Line Max Height Dif.	m	10	10	10
Code			NI0115609	NI0115612	NI0115618



To better understand this symbols refer to page 9.





MULTI-SPLIT Air Conditioning Outdoor Unit

A++



OUTDOOR UNIT

The Multi-Split Outdoor Unit can combine up to 5 indoor units. These new units are equipped with the more eco-friendly R32 gas, and work at a lower noise pressure, thanks to a very low fan speed.

These new Multi-Split units are also able to shorten the defrosting cycle time, which provides a better comfort and thermal stability, being able to handle -15°C outdoor temperature, when working in heating mode.



Multi-Split Outdoor Units			M2-18 GB	M3-24 GB	M4-28 GB	M4-36 GB	M5-42 GB
Maximum number of Indoor Units			2	3	4	4	5
Cooling	Cooling Capacity	kW	5.3	7.1	8.0	10.6	12.10
	Input Power	W	1480	1880	2120	3000	3400
	Current Input	A	6.56	8.35	9.41	13.31	15.08
	SEER	W/W	7.20	7.10	7.2	7.2	7.2
Energy Class			A++	A++	A++	A++	A++
Heating	Heating Capacity	kW	5.65	8.6	9.5	12.0	13.0
	Input Power	W	1250	2230	2200	3040	3190
	Current Input	A	5.55	9.89	9.77	13.487	14.15
	SCOP	W/W	4.1	4.3	4.2	4	4
Energy Class			A+	A+	A+	A+	A+
Combination Capabilities (min - max)		Btu/h	9000-24000	18000-36000	18000-42000	18000-54000	21000-63000
Temperature Range Limit Cooling		°C	-15~43	-15~43	-15~43	-15~43	-15~43
Temperature Range Limit Heating		°C	-22~24	-22~24	-22~24	-15~24	-15~24
Power Supply (OU)			220-240V-50Hz,1Ph				
Power Supply Cable		mm ²	3x2.50	3x2.50	3x2.50	3x4.0	3x4.0
Communication (by cable)		mm ²	4x1.5	4x1.5	4x1.5	4x1.5	4x1.5
Compressor Type			INVERTER ROTARY				
Outdoor Unit Air Flow		m ³ /h	2300	3800	3800	5800	5800
Noise Level OU		dB(A)	64	68	68	60	60
Outdoor unit	Dimensions (WxDxH)	mm	745x300x550	889x340x654	889x340x654	1020x427x826	1020x427x826
	Unit's Weight	Kg	32	47.5	51	90	90
	Package Dim. (WxDxH)	mm	872x398x620	1032x456x737	1032x456x737	1093x497x885	1093x497x885
	Total Weight	Kg	34.5	52	55.5	72	73
Load of refrigerant R32/ length up to		g/m	900	1700	1800	2400	2400
Additional Gas Load		g/m	20	20	20	20	20
Connections Refrigerant	Liquid/ Gas Line	pol.	1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-3/8"	1/4"-3/8"
	Line Max Length (per unit)	m	20	20	20	25	25
	Line Max Height Dif. (U.E/ U.I)	m	15	15	15	25	25
	Line Max Height Dif. (U.I/ U.I)	m	15	15	15	25	25
	Line Max Length (Total)	m	40	60	70	80	100
	Pre change Gas	m	10	30	40	40	50
Code			NI0120418	NI0120424	NI0120428	NI0120436	NI0120442



To better understand this symbols refer to page 9.

Multi-Split Air Conditioning outdoor Units (AC+ AQS)



OUTDOOR UNITS (AC + AQS)

Nipon's Multisplit AC+DHW outdoor units are ideal for residential buildings, as they allow the installation of up to 4 indoor units and a tank for domestic hot water, i.e. possible combinations with wall-mounted units, cassette, duct, console and floor/ceiling.

Each indoor unit has its own remote control, which means you can set the temperature in each room without affecting the other rooms.



Multi-Split Outdoor Unit Ac + DHW			M4-36DHW GA	M5-42DHW GA
Maximum number of Indoor Units			3 + 1	4 + 1
Cooling	Cooling Capacity	kW	10.6	12.1
	Input Power	W	2950	3400
	Current Input	A	13	15
	SEER	W/W	7.2	7.2
Energy Class			A++	A++
Heating	Heating Capacity	kW	12.0	13.8
	Input Power	W	3200	3600
	Current Input	A	14	16
	SCOP	W/W	4.2	4.2
	COP (EN16147)*	COP	2.6	2.6
Energy Class			A+	A+
Combination Capabilities (min-max)			See the combination table (pág. 26)	
Temperature Range Limit Cooling			°C -15~43	
Temperature Range Limit Heating			°C -22~24	
Power Supply (OU)			220 - 240 / 50Hz	
Power Supply Cable			mm ² 3x4	3x4
Communication (by cable)			mm ² 4x1.5	4x1.5
Compressor Type			Twin rotary	
Outdoor Unit Air Flow			m ³ /h 5800	5800
Noise Level OU			dB(A) 60	60
Outdoor unit	Dimensions (WxDxH)	mm	1020x427x826	1020x427x826
	Unit's Weight	Kg	72.5	73.5
	Package Dim. (WxDxH)	mm	1090x850x494	1090x850x494
	Total Weight	Kg	85.5	86.5
Load of refrigerant R32/ length up to			g 2400	2400
Additional Gas Load			g/m 20	20
Connections Refrigerant	Liquid/ Gas Line	inch	1/4"-3/8"	1/4"-3/8"
	Line Max Length (per unit)	m	25	25
	Line Max Height Dif. (U.E/ U.I)	m	25	25
	Line Max Height Dif. (U.I/ U.I)	m	25	25
	Line Max Length (Total)	m	80	100
	Pre charge Gas	m	40	50
	Max Distance (E.U./ Tank)	m	25	25
	Max elevation change (E.U./ Tank)	m	10	10
Code			NI0125036	NI0125042

*EN16147: Clima Quente

FIVE OPERATING MODES:

- COOLING
- HEATING
- HOT WATER
- COOLING+ HOT WATER
- HEATING + HOT WATER

- UP TO 4 INDOOR UNITS
- ENERGY CLASS A++/A+
- HIGH EFFICIENCY
- WIDE OPERATING RANGE
(-15°C to +43°C in cooling and -22°C to +24°C in heating).
- LOW NOISE
- CONVENIENCE
- THE USE OF INVERTER TECHNOLOGY
With extreme outside temperatures, the air conditioner will maintain the temperature with a differential of ± 0.5°C.
- CONTROL SYSTEMS
Each indoor unit has its own remote control, so you can set the temperature in each room without affecting the other rooms.

This line of multisplit units incorporates a cable controller with Wi-Fi.



To better understand this symbols refer to page 9.



DHW Tank for Multi-Split Systems



DHW THANK FOR MULTI-SPLIT SYSTEMS

Which can be combined with any indoor unit and offers maximum installation flexibility.

Depósito 200L		S200L GA	
Heating	Power	W	3500
	Electrical consumption	W	833
	Current	A	3.62
	Energy Class		A+
	Usable volume	L	185
Deposit	Maximum Pressure	bar	7
	Material		Vitrificado
	Insulation	mm	45, espuma de poliuretano
	Weight	kg	72,5
	Water inlet/ outlet Hydraulic connections	inch. (DN)	1/2 (15)
	Dimensions (Ø/height)	mm	462 / 2000
	Package Dimensions (WxHxD)	mm	566 x 2108 x 583
Package Weight		kg	83
Electrical resistance power		W	1500
Power		V / f / Hz	220 - 240 / 1 / 50
DHW Temperature		°C	+35 - +80*
Protection level			IPX4
Pipe diameter	Liquid	PoL	1/4
	Gas	PoL	3/8
Power cable		n° x s	3 x 2.5
Refrigerant			R32
Consumption profile			L
Code			NI0130120

* only with electric resistance support (TEMP + function)



To better understand this symbols refer to page 9.

Split System

200 Liter Tank

- › Deposit for buildings or villas.
- › Easy and flexible installation, minimizing space of installation.

Energy class A+

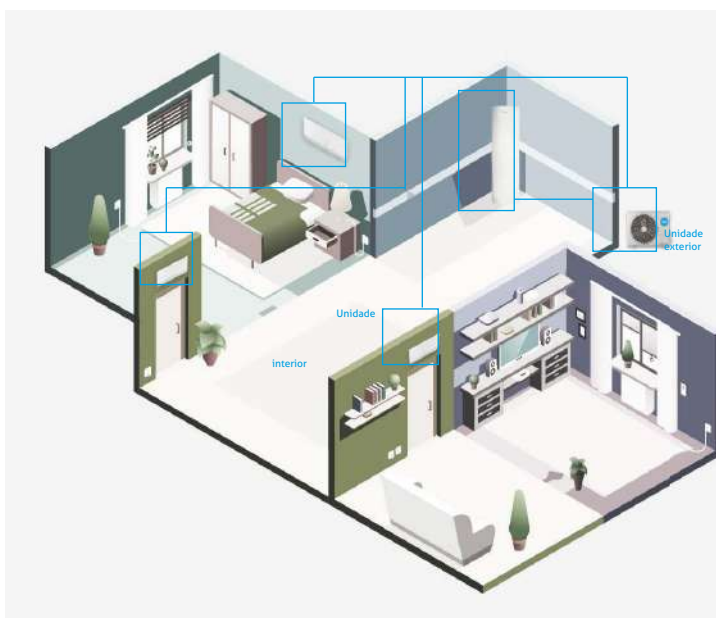
Intelligent defrost funcion.

Energy efficiency.

Catholic protection: Magnesium anode



Controller included



R32 Refrigerant is more efficient and more environmentally friendly.



Precise control of the electronic expansion valve.



Microchannel plate heat exchanger is more efficient and energy-saving.



Temperature sensors are installed at the top and bottom of the tank to provide precise control, offering greater comfort to the user.



Double safety protection: leakage current circuit breaker and water tank insulation.



Three modes available: **Standard, Eco e Boost** changeable from the user's point of view.



Cable controller with Wi-Fi supplied that allows you to remotely control the water tank.

Multi-Split AC + DHW Example

MULTI-SPLIT Air Conditioning Wall-Mounted Indoor Units



PRIMIS DUO

PRIMIS DUO air conditioning units are highly efficient, with A+++ energy class. PRIMIS DUO transforms the air quality of your home, thanks to the ion generator and the UV system that eliminates viruses and bacteria.

The unit endowed with Wi-Fi, voice control and AI technology that will adapt and understand your needs, translating into more balanced comfort and energy savings.



PRIMIS DUO is available in dark grey and white.



Wall-mounted PRIMIS GA Indoor Units			PRIMISD09 GA UI	PRIMISD12 GA UI	PRIMISD18 GA UI	PRIMISD24 GA UI
Cooling	Cooling Capacity	kW	2.7	3.5	5.3	7.1
	Input Power	W	670	877	1472	2030
	Current Input	A	3.1	4.1	6.6	9.0
Heating	Heating Capacity	kW	3.0	3.8	5.6	7.3
	Input Power	W	680	952	1365	1870
	Current Input	A	3.2	4.5	6.2	9.3
Temperature Range IU		°C	16~30	16~30	16~30	16~30
Indoor Unit Air Flow		m³/h	610/570/540/470/ 440/420/390	720/600/570/530/ 500/460/430	1000/880/760/650/ 620/600/550	1000/850/760/ 580/520/450/400
Noise Level IU (Max./.../ Min)		dB(A)	38/37/34/31/ 26/23/22	43/39/37/35/ 32/30/24	45/42/40/37/ 34/29/26	48/44/41/40/ 38/36/33
Dimensions (W/D/H)		mm	837x200x293	837x200x293	993x222x311	993x222x311
Unit´s Weight		Kg	9.5	9.5	13.0	13.0
Package Dim. (WxDxH)		mm	891x261x357	891x261x357	1050x288x377	1050x288x377
Power Supply			220-240V~50Hz,1Ph			
Electrical Connections I.U./O.U.)		mm²	4x1.5			
Liquid/Gas Connections		poL	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	1/4" - 5/8"
Code - White			NI0112109	NI0112112	NI0112118	NI0112124
Code - Dark Grey			NI0112159	NI0112162	NI0112168	NI0112174

VITA

VITA Multi-Split wall-mounted indoor unit is available in various powers to meet all requirements. With infrared remote control included and integrated WI-FI.



To better understand this symbols refer to page 9.

Wall-mounted VITA Indoor Units			VITA09 GA UI	VITA12 GA UI	VITA18 GA UI	VITA24 GA UI
Cooling	Cooling Capacity	kW	2.5	3.2	4.6	6.2
	Input Power	W	680	991	1353	1786
	Current Input	A	3.1	4.4	6.2	7.6
Heating	Heating Capacity	kW	2.8	3.4	5.2	6.5
	Input Power	W	730	916	1334	1645
	Current Input	A	3.2	4.0	6.1	7.6
Temperature Range IU		°C	16~30	16~30	16~30	16~30
Indoor Unit Air Flow		m³ /h	500/470/430/390/ 320/270/250	590/520/480/400/ 350/320/280	1000/960/870/810/ 720/640/600	1050/900/740/690/ 640/590/540
Noise Level IU (Max./.../ Min)		dB(A)	38/36/34/32/ 28/25/21	41/37/35/33/ 30/26/24	47/45/43/41/ 35/30/28	50/46/44/42/ 40/36/32
Dimensions (WxDxH)		mm	708x185x260	783x185x260	943x246x333	943x246x333
Unit´s Weight		Kg	7.0	8.0	13.0	13.5
Dimensions (WxDxH)		mm	753x332x258	828x332x258	1001x405x322	1001x405x322
Power Supply			220-240V~50Hz,1Ph			
Electrical Connections I.U./ O.U.		mm²	4x1.5			
Liquid/ Gas Connections		poL	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"
Code			NI0112309	NI0112312	NI0112318	NI0112324

Multi-Split Air Conditioning Cassete Indoor Units

8-WAY CASSETE

8-way cassette indoor unit for a Multi-Split is ideal for shallow ceilings in the residential or commercial sector, thanks to its compact design that easily integrates into any type of environment. It comes with infrared control and a condensate pump included, and an optional wire control.



Optional Wi-Fi with wired remote control (NPGA/ 44)

8-Way CASSETE Multi-split Units			MB12GB UI	MB18 GB UI	MB24 GB UI
Power Supply (OU)			220-240V~50Hz,1Ph		
Cooling	Cooling Capacity	kW	3.5	5.0	7.0
Heating	Heating Capacity	kW	4.0	5.50	8.0
Indoor Unit Air Flow (Max./.../Min)		m³ /h	560/540/490/450/420/380/350	650/540/490/450/420/380/350	1100/1050/950/910/870/830/800
Noise Leve		dB(A)	57/55/52/50/48/46/44	59/55/52/50/48/46/44	62/61/60/59/58/57/55
Dimensions	Dimensões aparelho (LxPxA)	mm	570x570x265	570x570x265	840x840x240
	Dimensões grelha (LxPxA)	mm	620x620x47.5	620x620x47.5	950x950x52.0
Unit´s Welight		Kg	17.0	17.0	29.0
Connections Refrigerant	Linha Líquido/ Gás	inch	1/4"-3/8"	1/4"-1/2"	1/4"-5/8"
Draining Pipe Diameter		mm	ø25	ø25	ø25
Grid			P8B/05	P8B/05	P8B/06
Grid Code			NI0190142	NI0190142	NI0190144
Code			NI0135112	NI0135118	NI0135124



To better understand this symbols refer to page 9.

1- WAY CASSETE

Ideal for small spaces allowing for a better efficiency and comfort. The unit has automatic operation, 7 fan speeds and strong air circulation. They are equipped with a condensates drain pump and a DC Inverter motor that regulates continuously the fan speed.

Optional Wi-Fi with wired remote control (NPGA/44)



8-Way CASSETTE Multi-split Units			MV09 GA UI	MV12 GA UI	MV18 GA UI	MV20 GA UI
Cooling	Cooling Capacity	kW	2.6	3.5	5.0	5.6
	Input Power	W	30	30	40	40
	Current Input	A	0.1	0.1	0.2	0.2
Heating	Heating Capacity	kW	2.8	3.6	5.3	6.0
	Input Power	W	30	30	40	40
	Current Input	A	0.1	0.1	0.2	0.2
Temperature Range IU		°C	16~30	16~30	16~30	16~30
Indoor Unit Air Flow		m³/h	500/450/340	600/500/390	700/600/450	750/650/500
Noise Level IU (Max/Med/Min)		dB(A)	39/33/31	42/35/28	43/35/32	46/40/36
Dimensions	Unit´s Dimensions (WxDxH)	mm	987x385x178	987x385x178	987x385x178	987x385x178
	Gird Dimensions (WxDxH)	mm	1200x460x55	1200x460x55	1200x460x55	1200x460x55
Unit´s Weight		Kg	19	19	20	20
Package Dim. (WxDxH)		mm	1037x501x310	1037x501x310	1037x501x310	1037x501x310
Power Supply			220-240V~50Hz,1Ph			
Electrical Connections		mm²	4x1.5			
Connections Refrigerant	Liquid/ Gas Line	poL	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	1/4"-1/2"
Draining Pipe Diametre		mm	ø25	ø25	ø25	ø25
Grid			P1V/01	P1V/01	P1V/01	P1V/01
Grid Code			NI0190122	NI0190122	NI0190122	NI0190122
Code			NI0137209	NI0137212	NI0137218	NI0137220



To better understand this symbols refer to page 9.

Multi-Split Air Conditioning Console Indoor Units

TOPSMART

The TOPSMART Console is ideal for every kind of room, since it can be floor and wall-mounted, or installed built-in the wall itself. The easy filter access allows for an easy and effective maintenance and clean-up. The TOPSMART usage is very User-freindly, due to it's built-in Wi-Fi.



To better understand this symbols refer to page 9.

TOPSMART Console Multi-split Indoor Units			TOP09 GA UI	TOP12 GA UI	TOP18 GA UI
Cooling	Cooling Capacity	kW	2.7	3.5	5.2
	Input Power	W	25	25	40
	Current Input	A	0.2	0.2	0.2
Heating	Heating Capacity	kW	2.9	3.8	5.2
	Input Power	W	25	25	40
	Current Input	A	0.2	0.2	0.2
Indoor Unit Air Flow (max/med/min)		m³/h	250-500	280-600	320-700
Noise Level		dB(A)	39/30/23	44/35/25	47/39/31
Dimensions (WxDxH)		mm	700x215x600	700x215x600	700x215x600
Power Supply (OU)			220-240V-50Hz,1Ph		
Unit 's Weight		Kg	15.5	15.5	15.5
Connections Refrigerant	Liquid/ Gas Line	inch	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"
Draining Pipe Diameter		mm²	ø25	ø25	ø25
Eletric Connections		mm	4x1.5		
Code			NI0112609	NI0112612	NI0112618

FLOOR-CEILING CONSOLE

A Floor-Ceiling Console, with up and down air distribution, ideal for a gentle layering of the room temperature to achieve the maximum comfort and energy saving. With infrared remote controller included. You can opt floor or ceiling mouting.

Optional Wi-Fi with wired remote control (NPGA/44)



To better understand this symbols refer to page 9.

FLOOR-CEILING CONSOLE MULTI-SPLIT INDOOR UNITS			MC09 GA UI	MC12 GA UI	MC18 GA UI	MC24 GA UI
Cooling	Cooling Capacity	kW	2.6	3.5	4.5	7.1
	Input Power	W	40	40	40	60
	Current Input	A	0.2	0.2	0.2	0.3
Heating	Heating Capacity	kW	2.7	4.0	5.0	8.0
	Input Power	W	40	40	40	60
	Current Input	A	0.2	0.2	0.2	0.3
Indoor Unit Air Flow (max/ med/ min)		m³/h	610/540/420	610/540/420	590/520/410	870/800/720
Noise Level		dB(A)	35/30/26	35/30/26	35/30/26	35/31/27
Dimensions (WxDxH)		mm	870x235x665	870x235x665	870x235x665	1200x235x665
Power Supply (OU)			220-240V-50Hz,1Ph			
Unit 's Weight		Kg	25	25	26	33
Connections Refrigerant	Liquid/ Gas Line	poL.	1/4"-3/8"	1/4"-1/2"	1/4"-1/2"	3/8"-5/8"
Draining Pipe Diameter		mm	ø16	ø16	ø16	ø16
Electrical Connections		mm²	4x1.5			
Code			NI0140209	NI0140212	NI0140218	NI0140224

Multi-Split Air Conditioning Duct Type Indoor Units



LOW STATIC PRESSURE DUCT

Duct Type Multi-Split Unit, it is silent and allows for a perfect blend in any environment. Optimal air distribution with the user's comfort in mind. Wired control and condensates pump included.

Wall control included (NPGA/19)



DUCT-CONNECTED Multi-split Line			MD09 GA UI	MD12 GA UI	MD18 GA UI	MD24 GA UI
Power Supply (OU)			220-240V~50Hz,1Ph			
Cooling	Cooling Capacity	kW	2.5	3.5	5.0	7.1
	Input Power	W	75	65	80	110
	Current Input	A	0.3	0.3	0.5	0.6
Heating	Heating Capacity	kW	2.8	3.9	5.5	8.0
	Input Power	W	75	65	80	110
	Current Input	A	0.3	0.3	0.5	0.6
Indoor Unit Air Flow (máx/ med/ min)		m³/h	450/350/280	550/400/300	700/600/500	1000/750/550
Noise Level		dB(A)	37/34/31	39/35/32	41/36/33	42/37/34
Dimensions (WxDxH)		mm	700x615x200	700x615x200	900x615x200	1100x615x200
Unit´s Weight		Kg	21	22	26	30
Connections Refrigerant		Liquid/ Gas Line	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"
Static Pressure Available		Pa	5	5	5	5
Draining Pipe Diameter		mm	ø25	ø25	ø25	ø25
Eletric Connections		mm²	4x1.5			
Code			NI0145209	NI0145212	NI0145218	NI0145224



To better understand this symbols refer to page 9.

HIGH STATIC PRESSURE CONDUIT

Multi-Split high-pressure conduit with silent operation, allowing perfect integration into any environment. The condensation drainage system is possible in different directions, depending on the desired installation. The equipment withstands up to 125 Pa of static pressure. Wire control and condensate pump included.

Wall control included (NPGA/44)



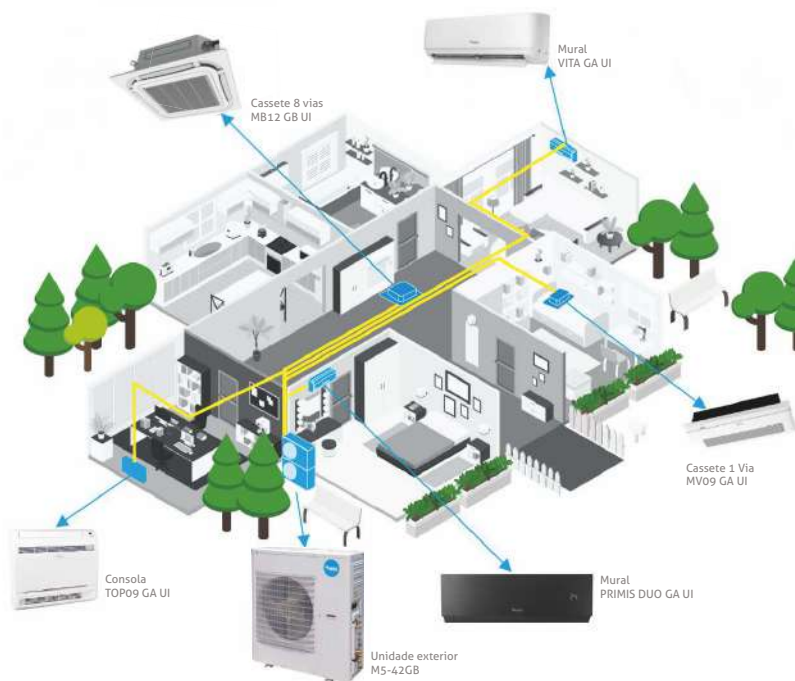
DUCT-CONNECTED Multi-split Line			MDH09 GA UI	MDH12 GA UI	MDH18 GA UI	MDH24 GA UI
Cooling	Cooling Capacity	kW	2.65	3.5	5.0	7.0
	Heating Capacity	kW	2.8	4.0	5.5	8.0
Indor Unit Air Flow (max/ med/ min)		m³/h	700/670/640/610/580/550/520	650/560/520/480/450/410/380	880/840/810/790/770/750/730	1500/1200/1200/1000/1000/900/900
Noise Level		dB(A)	41/39/38/37/36/35/34	39/37/36/35/34/33/32	41/39/39/38/38/37/34	45/40/40/38/38/36/36
Dimensions (WxDxH)		mm	710x450x200	710x450x200	1010x450x200	900x655x260
Power Supply (OU)			220-240V~50Hz,1Ph			
Unit´s Weight		Kg	18.5	19	25	31
Connections Refrigerant		Liquid/ Gas Line	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	1/4"-5/8"
Static Pressure Available		Pa	25 (Máx 60Pa)	25 (Máx 60Pa)	25 (Máx 60Pa)	25 (Máx 125Pa)
Draining Pipe Diameter		mm²	ø26	ø26	ø26	ø26
Eletric Connections		mm	4x1.5			
Code			NI0145409	NI0145412	NI0145418	NI0145424



To better understand this symbols refer to page 9.

WHY CHOOSE THE MULTI-SPLIT SOLUTION?

Cool or heat multiple rooms of the house with just one outdoor unit.



1 UNIDADE EXTERIOR M5-42 GB + 5 UNIDADES INTERIORES



FIVE IN ONE

You can connect 5 indoor units to one Multi-Split outdoor unit.



VERSATILE

You can install and connect the indoor units whenever and wherever you want, as well as control them individually via smartphone (some models or remote control only).



SAVE SPACE

The Multi-Splits system can replace up to 5 outdoor units and can be installed on the terrace, roof or garden.



READY FOR THE FUTURE

The Multi-Split system uses a swing compressor and R-32 refrigerant.

RESIDENTIAL LINE

Multi-split combination chart

M2-18(DOUBLE)

1 unit	9	12	
2 units	9+9	9+12	12+12

M3-24(TRIPLE)

2 units	9+9	9+12	9+18	12+12	12+18	18+18
3 units	9+9+9	9+9+12	9+9+18	9+12+12	12+12+12	

M4-28(QUADRUPLE)

2 units	9+9	9+12	9+18	12+12	12+18	18+18
3 units	9+9+9	9+9+12	9+9+18	9+12+12	9+12+18	12+12+12
4 units	9+9+9	9+9+9+12	9+9+12+12			

M4-36(QUADRUPLE)

2 units	9+9	9+12	9+18	9+20	9+24	12+12	12+18	12+20
	12+24	18+18	18+20	18+24	20+20	20+24	24+24	
3 units	9+9+9	9+9+12	9+9+18	9+9+20	9+9+24	9+12+12	9+12+18	9+12+20
	9+12+24	9+18+18	9+18+20	9+18+24	9+20+20	9+20+24	12+12+12	12+12+18
	12+12+20	12+12+24	12+18+18	12+18+20	12+18+24	12+20+20	18+18+18	
4 units	9+9+9+9	9+9+9+12	9+9+9+18	9+9+9+20	9+9+9+24	9+9+12+12	9+9+12+18	9+9+12+20
	9+9+12+24	9+9+18+18	9+12+12+12	9+12+12+18	9+12+12+20	12+12+12+12	12+12+12+18	

M5-42(QUÍNTUPLE)

2 units	9+12	9+18	9+20	9+24	12+12	12+18	12+20	12+24
	18+18	18+20	18+24	20+20	20+24	24+24		
3 units	9+9+9	9+9+12	9+9+18	9+9+21	9+9+24	9+12+12	9+12+18	9+12+20
	9+12+24	9+18+18	9+18+20	9+18+24	9+20+20	9+20+24	9+24+24	12+12+12
	12+12+18	12+12+20	12+12+24	12+18+18	12+18+21	12+18+24	12+20+20	12+20+24
	12+24+24	18+18+18	18+18+20	18+18+24	18+20+20	18+20+24	20+20+20	
4 units	9+9+9+9	9+9+9+12	9+9+9+18	9+9+9+20	9+9+9+24	9+9+12+12	9+9+12+18	9+9+12+20
	9+9+12+24	9+9+18+18	9+9+18+20	9+9+18+24	9+9+20+20	9+9+20+24	9+12+12+12	9+12+12+18
	9+12+12+20	9+12+12+24	9+12+18+18	9+12+18+20	9+12+18+24	9+12+20+20	9+18+18+18	12+12+12+12
	12+12+12+18	12+12+12+20	12+12+12+24	12+12+18+18	12+12+18+20			
5 units	9+9+9+9+9	9+9+9+12+9	9+9+9+18+9	9+9+9+20+9	9+9+9+24+9	9+9+9+12+12	9+9+9+18+12	9+9+9+20+12
	9+9+9+24+12	9+9+9+18+18	9+9+12+12+12	9+9+12+18+12	9+9+12+20+12	9+12+12+12+12	9+12+12+18+12	12+12+12+12+12

NOTA: If the sum of the capacity of each installed indoor unit, exceeds the total capacity of the Outdoor unit, each Indoor Unit will under achieve

AC+DHW OUTDOOR UNITS

M4-36DHW GA M5-42DHW GA

WITH DHW DEPOSIT

1 unit	9	12	18	24
2 unit	9+9			
	9+12	9+18	9+24	
	12+12	12+18	12+24	
	18+18	18+24	18+24	
3 unit	9+9+9			
	9+9+12	9+9+18	9+9+24	9+12+12
	9+12+24	9+18+18	9+18+24	12+12+12
	12+12+24	12+18+18		
4 unit*	9+9+9+9	9+9+9+12	9+9+9+18	9+9+9+24
	9+9+12+12	9+9+12+18	9+12+12+12	9+12+12+18

*Combinations for the M5-42DHW GA only

WITHOUT DHW DEPOSIT

2 units	9+12	9+18		
	9+24	12+12		
	12+18			
	18+18			
	24+24			
3 units	9+9+12	9+9+18	9+9+24	9+12+12
	9+12+24	9+18+18	9+18+24	9+24+24
	12+12+18	12+12+24	12+18+18	12+18+24
	18+18+24			
4 units*	9+9+9+9	9+9+9+12	9+9+9+18	9+9+9+24
	9+9+12+18	9+9+12+24	9+9+18+18	9+9+18+24
	9+12+18+18	9+12+18+24	9+18+18+18	12+12+12+12

*Combinations for the M5-42DHW GA only



COMMERCIAL LINE
MONO - SPLIT

8-WAY Cassette-type mono-split air conditioning unit

A++



8-WAY CASSETE

A discrete and silent cassette with an innovating design. The unit is suitable for any room, being easily installed in false ceilings, showing only its front panel. It evenly distributes air silently and uniformly all across the room. It's ideal for commercial applications. Infrared remote controller included.

Optional Wi-Fi with wired remote control (NPGA/24)



MONO-SPLIT CASSETTE UNITS			XB12 GB	XB18 GB	XB24 GB	XB30 GB	XB36 GB3	XB48 GB3	XB60GB3
Cooling	Cooling Capacity	kW	3.5	5.0	7.1	8.5	10.5	13.4	16
	Input Power	W	920	1470	2030	2500	3100	4600	5300
	Max. Current	A	6.0	9.5	14.0	15.0	7.0	11.0	12.0
	SEER	W/W	7.1	6.6	6.7	6.9	6.6	6.3	6.1
Energy CClass			A++	A++	A++	A++	A++	A++	A++
Heating	Cooling Capacity	kW	4.0	5.6	8.0	8.8	11.5	15.5	17.0
	Input Power	W	1000	1600	2000	2250	2950	4700	5700
	Max. Current	A	6.0	9.5	14.0	15.0	7.0	11.0	12.0
	SCOP	W/W	4.2	4.0	4.3	4.3	4.4	4.0	4.0
Energy Class			A+	A+	A+	A+	A+	A+	A+
Cooling Range Temperature		°C	-20~52	-20~52	-20~52	-20~52	-20~52	-20~52	-20~52
Heating Range Temperature		°C	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24
Eletrical Connection OU/IU		mm ²	4x1.5	4x1.5	4x1.5	4x1.5	4x1.5	4x1.5	4x1.5
Power Supply (OU)			220-240V~50Hz,1Ph				380-400V~50Hz,3Ph		
Power Supply Cable (OU)		mm ²	3x2.5	3x2.5	3x2.5	3x4	5x2.5	5x2.5	5x2.5
Number of Fans (OU)			1	1	1	1	1	1	2
Compressor Type			INVERTER ROTARY						
Indoor Unit Air Flow (max/ med/ min)		m ³ /h	600/550/500/400	720/650/600/500	1100/1000/900/800	1400/1300/1100/1000	1500/1400/1200/1000	2000/1800/1600/1400	2300/2100/1900/1600
Outdoor Unit Air Flow (max)		m ³ /h	1800	2200	3600	3600	4800	5200	5500
Noise Level IU (Máx/Med/Min)		dB(A)	35/33/29	41/39/35	38/36/34	46/42/38	41/39/38	48/45/41	50/48/44
Indoor unit	Dimensions (WxDxH)	mm	570x260x570	570x260x570	840x200x840	840x200x840	840x240x840	840x290x840	840x290x840
	Grid Dimension	mm	620x47.5x620	620x47.5x620	950x52x950	950x52x950	950x52x950	950x52x950	950x52x950
	Unit 's Weight/Grid	Kg	16.5/3	16.5/3	21/6	21/6	23/6	25/6	26/6
Noise Level (OU)		dB(A)	48	52	55	57	57	59	60
Outdoor Unit	Dimensions (WxDxH)	Mm	675x285x553	745x300x555	889x340x660	889x340x660	940x370x820	940x370x820	990x370x960
	Unit 's Weight	Kg	24.5	30.5	41.5	46	65	81	94
R32 Refrigerant Gas Load (up to 5m)		g	570	850	1500	1500	2100	2800	3500
Additional Gas Load		g/m	16	16	20	20	20	35	35
Refrigerant Connections	Liquid/ Gas Line	pol.	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
	Line Max Length	m	30	30	50	50	75	75	75
	Line Max Height Dif.	m	15	20	25	25	30	30	30
Draining Pipe Diameter		mm	ø25	ø25	ø25	ø25	ø25	ø25	ø25
O.U. Code			NI0161112	NI0161118	NI0161124	NI0161130	NI0161336	NI0161348	NI0161360
I.U. Code			NI0171212	NI0171218	NI0171224	NI0171230	NI0171236	NI0171248	NI0171260
Grid Code			NI0190142	NI0190142	NI0190144	NI0190144	NI0190144	NI0190144	NI0190144
Code Set			NI0188412	NI0188418	NI0188424	NI0188430	NI0188436	NI0188448	NI0188460



To better understand this symbols refer to page 9.

Mono-Split Air Conditioning Floor-Ceiling Console

A++

Wi-Fi
opcional

5 YEARS
WARRANTY

GAMA COMERCIAL

CONSOLE - XC

Floor-Ceiling Console gives you the freedom to choose the mounting location and arrangement, since it can be mounted at the ceiling or at ground level. It only needs 1W of energy to work on standby mode, which turns it into one of the most efficient equipment available in the market. Infrared remote controller included.

Optional Wi-Fi with wired remote control (NPGA/24)



MONO-SPLIT FLOOR-CEILING CONSOLE			XC12 GB	XC18 GB	XC24 GB	XC30 GB	XC36 GB3	XC48 GB3	XC60 GB3
Cooling	Cooling Capacity	kW	3.5	5.3	7.1	8.5	10.0	13.4	16.0
	Power Input	W	920	1056	2030	2500	2940	4300	5300
	Current Max.	A	6.0	9.5	14.0	15.0	21.0	11.0	12.0
	SEER	W/W	7.2	6.5	7.2	6.8	6.3	6.3	6.1
Energy Class			A++	A++	A++	A++	A++	A++	A++
Heating	Heating Capacity	kW	4.0	5.6	7.7	8.8	11.5	15.5	17.0
	Power Input	W	930	1440	1950	2250	2950	4200	4800
	Current Max.	A	6.0	9.5	14.0	15.0	21.0	11.0	12.0
	SCOP	W/W	4.1	4.2	4.3	4.5	4.2	4.0	4.0
Energy Class			A+	A+	A+	A+	A+	A+	A+
Cooling Range Temperature		°C	-20-52	-20-52	-20-52	-20-52	-20-52	-20-52	-20-52
Heating Range Temperature		°C	-20-24	-20-24	-20-24	-20-24	-20-24	-20-24	-20-24
Electrical Connections OU/IU		mm²	4x1.5	4x1.5	4x1.5	4x1.5	4x1.5	4x1.5	4x1.5
Power Supply (OU)			220-240V~50Hz,1Ph				380-400V~50Hz,3Ph		
Power Supply Cable (OU)		mm²	3x2.5	3x2.5	3x2.5	3x4	5x2.5	5x2.5	5x2.5
Number of Fans (OU)			1	1	1	1	1	1	2
Compressor Type			INVERTER ROTARY						
Indoor Unit Air Flow (max/ med/ min)		m³/h	650/600/500/400	900/800/700/600	1250/1100/1000/900	1400/1300/1200/1000	1600/1500/1400/1200	2300/2100/1800/1500	2400/2200/1900/1600
Outdoor Unit Air Flow (max)		m³/h	1800	2200	3600	3600	4800	5200	5500
Noise Level IU (max/ med/ min)		dB(A)	34/31/28	40/38/36	39/37/35	45/43/39	46/45/43	48/45/43	51/48/44
Indoor unit	Dimensions (WxDxH)	mm	870x235x665	870x235x665	1200x235x665	1200x235x665	1200x235x665	1570x235x665	1570x235x665
	Unit's Weight	Kg	24	25	31	32	32	42	42
Noise level (OU)		dB(A)	48	52	55	57	57	59	60
Outdoor unit	Dimensions (WxDxH)	Mm	675x285x553	745x300x555	889x340x660	889x340x660	940x370x820	940x370x820	990x370x960
	Unit's Weight	Kg	24.5	30.5	41.5	46	65	81	94
R32 Refrigerant Gas Load (up to 5m)		g	570	850	1500	1500	2100	2800	3500
Additional Gas Load de refrigerante		g/m	16	16	20	20	20	35	35
Refrigerant Connections	Liquid/ Gas Line	pol.	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
	Line Max Length	m	30	30	50	50	75	75	75
	Line Max Height Dif.	m	15	20	25	25	30	30	30
Draining Pipe Diameter		mm	ø25	ø25	ø25	ø25	ø25	ø25	ø25
O.U. Code			NI0161112	NI0161118	NI0161124	NI0161130	NI0161336	NI0161348	NI0161360
I.U. Code			NI0176212	NI0176218	NI0176224	NI0176230	NI0176236	NI0176248	NI0176260
Code Set			NI0188612	NI0188618	NI0188624	NI0188630	NI0188636	NI0188648	NI0188660



To better understand this symbols refer to page 9.



Mono-Split Air Conditioning Duct Type

A++



CONDUCT

The Duct type Unit can be installed in small or large commercial facilities as well as residential ones. It only needs 1W of energy to work on standby mode, which turns it into one of the most efficient equipment available in the market. Wired controller included.



MONO-SPLIT CONDUCT			XD12GB	XD18GB	XD24GB	XD30GB	XD36GB3	XD48GB3	XD60GB3
Cooling	Cooling Capacity	kW	3.5	5.3	7.1	8.5	10.5	13.4	16.0
	Power Input	W	1030	1510	1920	2500	3000	4500	5400
	Current Input Max.	A	6.0	9.5	14.0	15.0	21.0	11.0	12.0
	SEER	W/W	6.5	6.3	6.6	6.4	6.4	6.1	6.1
	Energy Class		A++	A++	A++	A++	A++	A+	A++
Heating	Heating Capacity	kW	4.0	5.6	8.0	8.8	11.5	15.5	17.0
	Power Input	W	1000	1420	2000	2250	2800	4500	4700
	Current Input Max.	A	6.0	9.5	14.0	15.0	21.0	11.0	12.0
	SCOP	W/W	4.0	4.0	4.1	4.1	4.2	4.0	4.0
	Energy Class		A+	A+	A+	A+	A+	A+	A+
Cooling Range Temperature		°C	-20~52	-20~52	-20~52	-20~52	-20~52	-20~52	-20~52
Heating Range Temperature		°C	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24
Power Supply Cable OU		mm ²	4x1.5	4x1.5	4x1.5	4x1.5	4x1.5	4x1.5	4x1.5
Power Supply OU			220-240V~50Hz,1Ph				380-400V~50Hz,3Ph		
Electrical Connections OU/ IU		mm ²	3x2.5	3x2.5	3x2.5	3x4	5x2.5	5x2.5	5x2.5
Number of Fans (OU)			1	1	1	1	1	1	2
Compressor type			INVERTERROTARY						
Static pressure (min ~max)		Pa	25(0~80)	25(0~80)	25(0~160)	37(0~160)	37(0~160)	50(0~200)	50(0~200)
Indoor Unit Air Flow (max/ med/ min)		m ³ /h	600/550/500/400	900/800/700/600	1100/1000/900/800	1400/1300/1100/1000	1700/1600/1400/1200	2300/2100/1800/1500	2600/2300/2000/1700
Outdoor Unit Air Flow (max)		m ³ /h	1800	2200	3600	3600	4800	5200	5500
Noise Level IU		dB(A)	33/32/30	35/33/31	35/33/31	41/39/37	38/37/36	42/40/38	44/42/40
Indoor unit	Dimensions (WxDxH)	mm	700x450x200	1000x450x200	900x655x260	900x655x260	1340x655x260	1400x700x300	1400x700x300
	Unit's Weight	Kg	18	24	29.5	29.5	43	52	55
Noise Level (OU)		dB(A)	48	52	55	57	57	59	60
Outdoor Unit	Dimensions (WxDxH)	Mm	675x285x553	745x300x555	889x340x660	889x340x660	940x370x820	940x370x820	990x370x960
	Unit's Weight	Kg	24.5	30.5	41.5	46	65	81	94
R32 Refrigerant Gas Load (up to 5m)		g	570	850	1500	1500	2100	2800	3500
Additional Gas Load de refrigerante		g/m	16	16	20	20	20	35	35
Connections Refrigerant	Liquid/ Gas Line	poL	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
	Line Max Length	m	30	30	50	50	75	75	75
	Line Max Height Dif.	m	15	20	25	25	30	30	30
Draining Pipe Diameter		mm	ø25	ø25	ø25	ø25	ø25	ø25	ø25
O.U. Code			NI0161112	NI0161118	NI0161124	NI0161130	NI0161336	NI0161348	NI0161360
I.U. Code			NI0181212	NI0181218	NI0181224	NI0181230	NI0181236	NI0181248	NI0181260
Code Set			NI0188812	NI0188818	NI0188824	NI0188830	NI0188836	NI0188848	NI0188860



To better understand this symbols refer to page 9.

Mono-Split Air Conditioning Magnum Floor Standing



MAGNUM FLOOR STANDING

The MAGNUM Floor Standing Unit is ideal for large open spaces with tall ceilings or glass walls. It was design in order to accommodate the heating and cooling needs while keeping comfort and efficiency to the fullest, despite the hard room acclimation conditions. Has a SEER coefficient of 6,1 and an broad temperature working range. With a built-in LED panel and a minimalistic design that blends with any room kind.

An easy to access filter guarantees an effective cleaning and straightforward maintenance.

Includes Wi-Fi for ease of use



MAGNUM FLOOR STANDING MONO-SPLIT XM24 GA* XM42 GB* XM42 GB3*					
Cooling	Cooling Capacity	kW	7.2	12.3	12.5
	Power Input	W	2050	4170	3790
	Current Input Max.	A	10	18	5.6
	SEER	W/W	6.1	5.7	6.1
Energy Class			A++	A+	A+
Heating	Cooling Capacity	kW	7.9	12.6	14.5
	Power Input	W	2330	3820	3860
	Current Input Max.	A	11	16	5.7
	SCOP	W/W	4.0	3.7	4
Energy Class			A	A	A
Cooling Range Temperature		°C	-15~43	-15~50	-15~50
Heating Range Temperature		°C	-15~24	-15~30	-15~30
Power Supply Cable OU		mm ²	3x2.5	3x4.0	5x2.5
Power Supply (OU)			220-240V~50Hz,1Ph 380-400V~50Hz,3Ph		
Electrical Connections OU/IU		mm ²	4x1.5mm ²	4x1.5mm ²	4x1.5mm ²
Number of Fans (OU)			1	1	1
Compressor TYpe			INVERTER ROTARY		
Indoor Unit Air Flow (max/ med/ min)		m ³ /h	750-1250	1580-2000	1800-2400
OOutdoor Unit Air Flow (max)		m ³ /h	3200	4000	5200
Noise Level (IU)		dB(A)	35-45	48-53	51-56
Indoor Unit	Dimensions (WxDxH)	mm	507x320x1770	587x394x1882	587x394x1882
	Unit´s Weight	Kg	38	53	57
Noise Level (OU)		dB(A)	61	63	63
Outdoor Unit	Dimensions (WxDxH)	Mm	965x396x700	1000x427x746	1028x427x820
	Unit´s Weight	Kg	53.5	55	86
R32 Refrigerant Charge (up to 5 meters)		g	160	200	280
R32 Refrigerant Gas Load		g/m	40	40	40
Refrigerant Connections	Liquid/ Gas Line	poL	1/4"-5/8"	1/4"-5/8"	3/8"-5/8"
	Line Max Length	m	25	30	30
	Line Max Height Dif.	m	10	20	20
Code Set			NI0188224	NI0188262	NI0188263

*Check availability and delivery time.



To better understand this symbols refer to page 9.

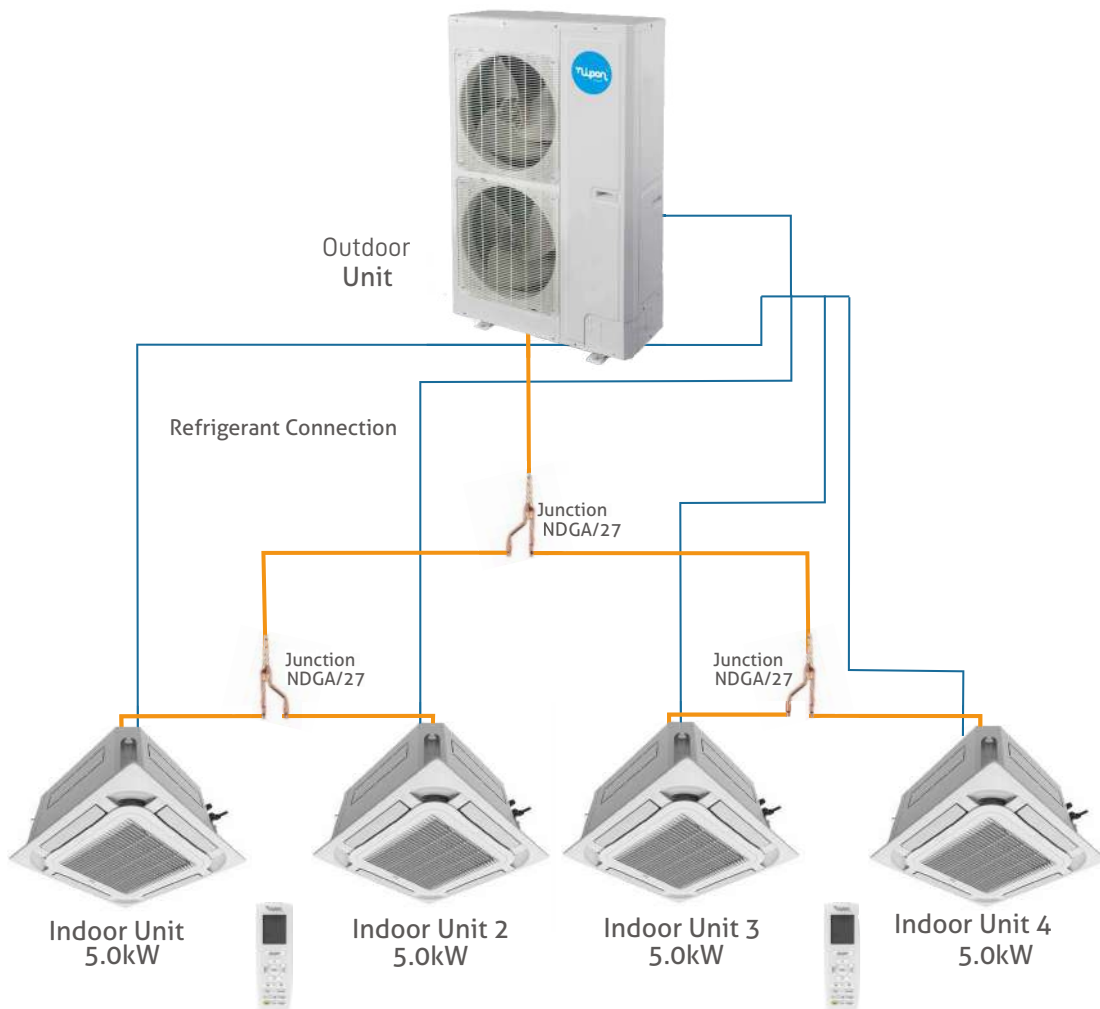


SYNCRO COMBOS

MAXIMUM COMBINATIONS OF 4 INDOOR UNITS

JUNCTIONS FOR COMBINATIONS OF THE SAME COMMERCIAL LINE UNITS

(OF THE SAME POTENCY)



JUNCTION SELECTION TABLE

	Outdoor Unit Power(kW)	Indoor Unit Power (kW)	Junction	Quantity
2 Indoor Unit	7.0	3.5	NDGA/25	1
	10.0	5.0	NDGA/25	1
	12.5	7.0	NDGA/26	1
	14.0	7.0	NDGA/26	1
	16.0	8.5	NDGA/26	1
3 Indoor Unit	10.0	3.5	NDGA/25	1
			NDGA/26	1
	12.5	5.0	NDGA/26	2
	14.0	5.0	NDGA/26	2
4 Indoor Unit	16.0	7.1	NDGA/27	2
	12.5	3.5	NDGA/25	2
			NDGA/26	1
	14.0	3.5	NDGA/25	2
			NDGA/26	1
	16.0	5.0	NDGA/27	3

NOTE: Leads are not compatible with Magnum Floor Standing Mono-Split model.

Controllers

REMOTE CONTROLLERS

Compatible with
**WALL-MOUNTED
CONSOLE
CASSETTE**



Residential Line
Multi-Split
- 1 Way-Cassete
- Floor-Ceiling Consola

NRGA/F1



Residential Line
- Wall-Mounted Unit VITA
- 8 Way-Cassete

Commercial Line
- 8 Way-Cassete
- Floor-Ceiling Consola
- Magnum Closet

NRGA/F7

Wall bracket for remote control:



NRGA/F1
NI0195922



**NRGA/F7
NRGA/F8**
NI0195912



NRGA/1F
NI0195902



Console Unit
TOPSMART

NRGA/F8



Wall-Mounted Unit
PRIMIS DUO

NRGA/1F

Models	NRGA/F1	NRGA/F7	NRGA/F8	NRGA/1F W	NRGA/1F B
Código	NI0195100	NI0195002	NI0195106	NI0195004	NI0195006

Suporte parede p/ comandos	NI0195922	NI0195912	NI0195912	NI0195902	NI0195902
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WIRED CONTROLLERS



NPGA/19

DUCT CONTROL MULTISPLIT MD GA

Specifications:

- LCD
- 8 buttons
- °F / °C
- Swing Function
- I-Demand Function
- Sleep Function
- Controller with Flat Backside for easy installment - LCD



NPGA/24

WI-FI REMOTE CONTROL FOR COMMERCIAL LINE

Specifications:

- LCD
- 8 buttons
- °F / °C
- Swing Function
- I-Demand Function
- Sleep function
- Built-in Wi-Fi

MULTI CONTROL WITH DHW FOR S200L GA TANK

Features:

- Flush-mounted control unit (requires a 68x68x35mm square flushmounted box, not included)



NPGA/44

WI-FI REMOTE CONTROL FOR MULTI-SPLIT

- Conduite MDH GB
- 8 Way-Cassete
- Console
- 1 Way-Cassete
- Wall-mounted control unit (requires a 75x75x43mm square flush-mounted box, not included)



NPGA/76

PROGRAMMABLE CONTROLLER

Specifications:

- LCD
- 9 Touch Buttons
- Timer Clock
- Daily Schedule
- Weekly Schedule
- Biweekly Schedule



NPGA/45

Models	NPGA/19	NPGA/24	NPGA/44	NPGA/45	NPGA/76
Código	NI0195110	NI0195122	NI0195112	NI0195116	NI0195152





ACESSORIES

DOOR CONTROL MODULES



NCPG/03

DOOR CONTROL MODULE FOR COMMERCIAL LINE

Applicable for hotels and other applications that need air conditioning that is controlled via Card-Reader.
(Only commercial line compatible.)



NCPG/10

DOOR CONTROL FOR WALL-MOUNTED UNITS

Applicable for hotels and other venues that require air conditioning to be controlled by card.
(Compatible with wall-mounted units only of the residential line)



Models	NCPG/10	NCPG/03
Código	NI0195300	NI0195310

SYNCR COMBINATION ACCESSORIES



NDGA/25

From 2 up 4 indoor units



NDGA/26



NDGA/27

Only to 3 indoor units

The configuration varies according to the combined power.

REFER TO PAGE 32 TABLE.

TAHK ATTACHEMENT S200L GA



**EXTENSION CABLES
DHW DEPOSIT TEMPERATURE PROBES
S200L GA
(2X25M)**

Código
NI0195250



HRV
HRV DUAL FLOW

EVA SLIM 75

- > 150-1300m³/h
- > Airflowheat recovery
- > Silent function
- > Dual G3 filters as standard
- > Integrated WIFI
- > Integrated humidity sensor
- > Easy ceiling installation
- > Automatic bypass function
- > LCD touch control
- > 3 speeds
- > Indoor temperature measurement
- > Defrost function
- > CO2 concentration control (optional)
- > Smart alarm
- > Data memory
- > Weekly scheduler



Remote Control
TouchLCD
(Included in EVASLIM75)

EVASLIM75		EVAS200 HA	EVAS300 HA	EVAS400 HA	EVAS600 HA	EVAS800 HA	EVAS1000 HA	EVAS1300 HA
Air flow (L/ M/ H)	m³/h	150/200/200	250/300/300	350/400/400	500/600/600	700/800/800	900/1000/1000	1000/1300/1300
Static pressure	Pa	60/70/75	75/82/85	80/85/88	89/92/97	92/96/100	80/85/86	75/85/90
Summer efficiency (min./max)%	%	60/55/55	62/57/57	62/57/57	63/59/59	57/55/55	60/58/58	58/56/56
Winter efficiency (min./ max)%	%	63/59/59	65/61/61	65/60/60	67/61/61	63/57/57	64/62/62	62/59/59
Rated efficiency temp.	%	70	68	69	70	68	70	70
Maximum efficiency temp	%	75	73	74	76	74	76	76
Energy Class		A	A	A	A	A	A	A
Rated electrical power	W	105	117	150	200	355	440	710
Voltage	V				220V			
Electric current	A	0.5	0.56	0.72	0.96	1.7	2.1	3.4
Sound Power (L/M/H)	dB(A)	25/30/31,5	27/34/34,5	31/37/37,5	29/35/39	34/39/41	34/38/42	38/41/43
Weight	kg	23	25	31	36	60	70	79
Dimensions (CxLxAxØ)	mm	666x580x264/144	744x599x270/144	744x804x270/144	824x904x270/194	1116x884x388/242	1116x1134x388/242	1129x1216x388/242
Filter M5	Cod.	NI5006040	NI5006042	NI5006044	NI5006046	NI5006048	NI5006050	NI5006052
Code		NI5005020	NI5005030	NI5005040	NI5005060	NI5005080	NI5005100	NI5005130

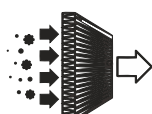
EVASLIM 75 Accessories

Code Description

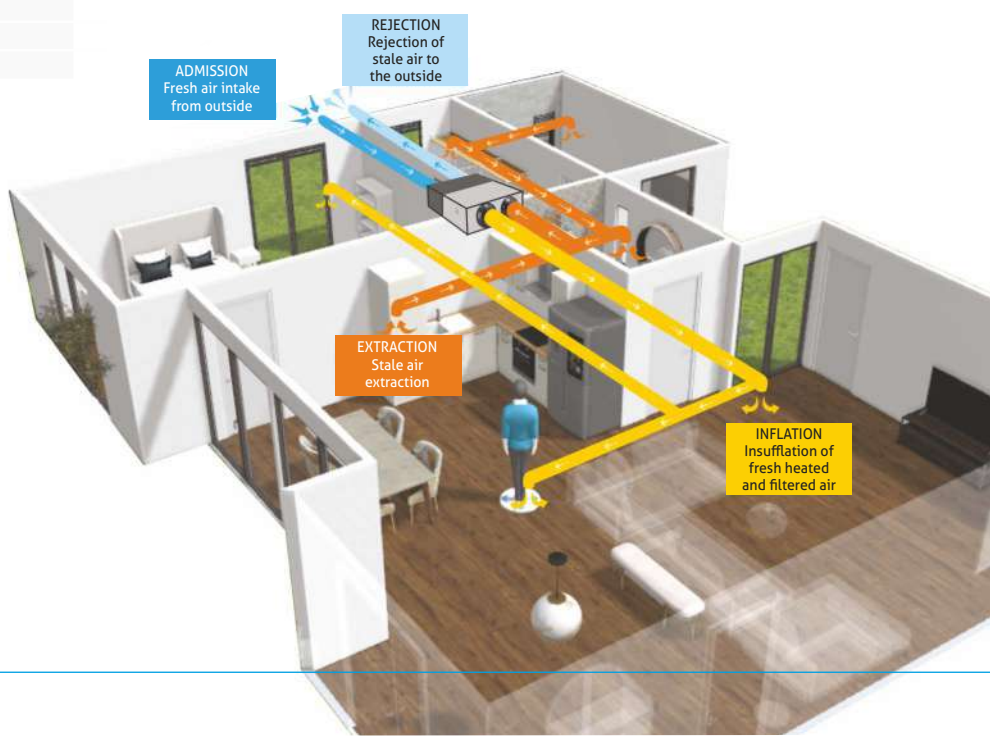
NI5006010	Sensor de CO2
NI5006040	Filtro M5 p/EVASLIM75 EVAS200 HA
NI5006042	Filtro M5 p/EVASLIM75 EVAS300 HA
NI5006044	Filtro M5 p/EVASLIM75 EVAS400 HA
NI5006046	Filtro M5 p/EVASLIM 75 EVAS600 HA
NI5006048	Filtro M5 p/EVASLIM75 EVAS800 HA
NI5006050	Filtro M5 p/EVASLIM75 EVAS1000 HA
NI5006052	Filtro M5 p/EVASLIM75 EVAS1300 HA



CO2 sensor
(optional)
cod:NI5006010



M5 filter for greater
particle filtration
(optional)
See code in the table below



HRV VERTICAL DOUBLE FLOW WITH HEAT RECOVERY



EVA BOX 95

- › EPP Structure
- › EC constant airflow fan
- › 3D Heat Exchanger
- › High efficiency material
 - Maximum thermal performance
 - Great air tightness with good rigidity
 - Oxidation/mildew resistance
- › Up to 15 years of use, washable and slime-clean heat exchanger core
- › Dual G4 filters as standard
- › Humidity Sensor
- › Built-in Wi-Fi



REMOTE CONTROL
Touch LCD NPHA/20A
(optional for EVABOX 95)
cod. NI5002002

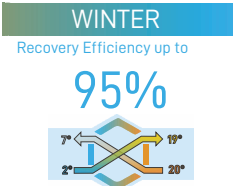
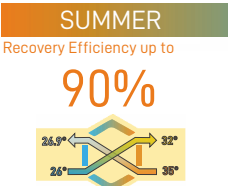


VMC



EVABOX95		EVAB250 HA	EVAB350 HA	EVAB500 HA
Voltage/ Frequency	V/Hz	230V/50Hz		
Air flow	m³/h	250	350	500
Static pressure	Pa	130	150	160
Nominal efficiency	%	85	85	85
Maximum efficiency	%	95	95	95
Rated power	W	137	272	412
Max Electric Current	A	1,0	1,9	2,9
Sound Power	dB(A)	35	37	39
Energy Class		A	A	A
Weight	kg	40	40	50
Dimensions (LxPxA/Ø)	mm	595x480x975/144	595x480x975/144	655x625x1085/196
Filter F7	cod.	NI5002040	NI5002040	NI5002045
Code		NI5001025	NI5001035	NI5001050

Note: This noise level is measured under the condition of 70% of the maximum air volume and static of 50Pa.

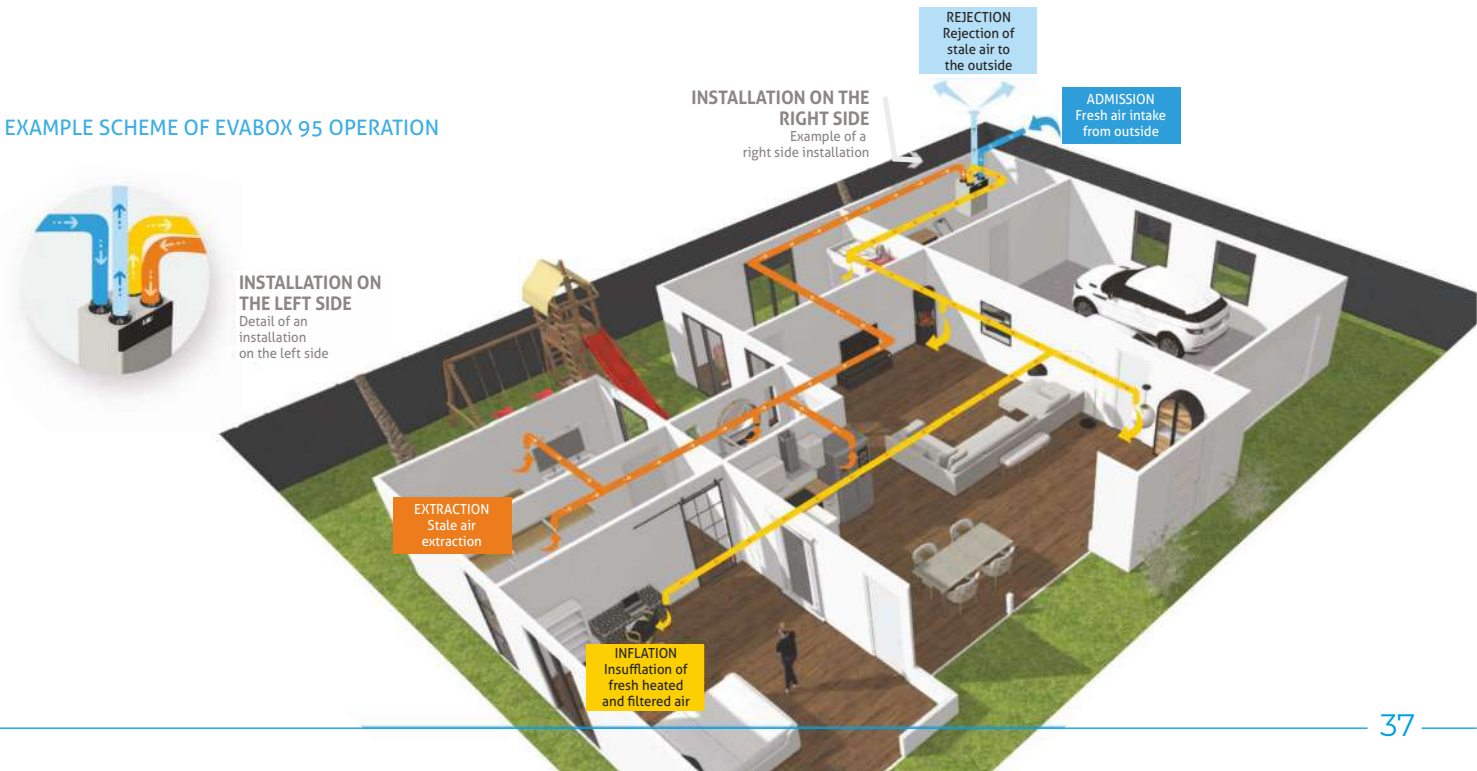


Accessories EVABOX95

Code Description

NI5002002	Touch controller NPHA/ 20A
NI5002010	CO2 sensor
NI5002040	Filter F7 for EVABOX95 EVAB250 HA and EVAB350 HA
NI5002045	Filter F7 for EVABOX 95 and EVAB500 HA

EXAMPLE SCHEME OF EVABOX 95 OPERATION



NEW

AIR-TO-WATER HEAT PUMP SPIRIT MG

SPIRIT
Inverter²
Technology



5 YEARS
WARRANTY
3 years full warranty
2.5 years on parts

A+++ *

R32



Available in the following capacities

18kW a 30kW

* Energy efficiency class up to A+++ when heating to 35°C.

nipon



HEAT PUMPS
DHW | MONOBLOCO | SPLIT

FUNCTIONS

HEAT PUMPS



Protection of the water tank



Electrical resistance protection



Insulated water tank



Automatic temperature control



Equipotential bonding



Automatic fault detection



Overpressure protection



Overpressure protection



Built-in Wi-Fi



Fast Defrost

Fast and efficient defrosting, using cycle reversal with a 4-way valve.



R32

Refrigerant gas used by the equipment.



R290

Refrigerant gas used by the equipment.



ErP

It complies with the requirements of the European directive.



INVERTER

Inverter

Technology that reduces energy consumption and improves energy efficiency in both heating and cooling.



European Compliance



Operates down to -10°C



Golden Fin

Anti-corrosion treatment for batteries, ideal for installation in marine environments or those with high levels of corrosion.



30% Improves heat transfer efficiency



Rapid Thermal Response



Durability and Corrosion Resistance



PV Ready Function

The possibility of integrating a photovoltaic power source



Smart Controller

Intelligent microprocessor control, requiring no special supervision or maintenance, automatically carries out heating, temperature maintenance and defrosting, saving time and giving you peace of mind.



Compressor especial para bomba de calor

Compressor especial para bomba de calor, que pode suportar alta temperatura e alta pressão. Mais eficiente e fiável do que os compressores convencionais de ar condicionado.



Temperature probe holder

It reduces drilling and welding on the inner tank, eliminating the risk of leaks. As a result, the water tank is more reliable and the temperature reading is more accurate.



Dual temperature probe

Upper and lower temperature sensors are used for ON-OFF control, ensuring more precise regulation of the water temperature. Comfort when using domestic hot water is guaranteed.



COP High Efficiency

MÉDIO 10.9



Ti Twisted Titanium Heat Exchanger



Brushless DC fan



Extremely Quiet

The unit is designed to operate at the lowest possible sound pressure, thanks to a very low fan speed.



Timer

Sets the operation for a period of 24 hours.

LINE-UP

EQUIPMENT/POWERS

HEAT PUMP

AIR/WATER

Models	Power	 WiFi Optional	 R32	 R290	 Golden Fin	 DC Fan Brushless	 Serial command	 3ph With Models Three-phase	Pág.
Bomba de Calor I-NEX 	6.2 - 15,5 kW	•		•	•	•	•	•	43
Spirit M 	6 - 15,7 kW	•	•		•	•	•	•	44
Spirit MG 	18 - 30 kW	•	•		•	•	•	•	45
SPIRIT S 	6 - 15.5 kW	•	•		•	•	•	•	46
SPIRIT SA 	6 - 15.5 kW	•	•		•	•	•	•	47
H-POWER 	29.6 - 53.2 kW		•			•		•	48

AQS

Models	Capacity	Stock Items	 Built-in Wi-Fi	 R32	 R290	 Anode Electronic	 Anode Magnesium	 Role PV Ready	 Anti- Legionella	Pág.
INNOVUS 	200, 300l	Steel Vitrified	•		•	•		•	•	49
FLEXUS 	80, 120, 200 e 300l	Inox Duplex 2205	•		•		•	•	•	50
AQUANOVUS 	200, 300l	Steel Vitrified	•	•		•				51

POLL

Models	Power	 Built-in Wi-Fi	 R32	 R290	 Extremely Quiet	 Ti Heat exchanger made of twisted titanium	 DC Fan Brushless	Pág.
Serenus 	6.8 - 27.8kW	•	•		•	•	•	53

HEAT PUMPS

AIR-WATER

ENERGY SAVING AND ENVIRONMENT PROTECTION

The air-to-water heat pump system, which uses the energy present in the air to provide heating, cooling and domestic hot water in the home.

This technology makes it possible to reduce energy consumption at home and reduce CO2 emissions, offering an ecological and sustainable alternative to traditional heating and DHW systems.

Thermal energy is present in the air around us. Even at sub-zero temperatures, thermal energy can be extracted from the outdoor air available in nature.

This system is increasingly sought after by people looking for a high level of comfort, energy saving and environmentally friendly

ADVANTAGES OF A NIPON TECHFORCOMFORT® HEAT PUMP

- ▶ Efficiency
- ▶ Significant reduction in energy bills
- ▶ Autonomy and power supply are very simple
- ▶ There are no polluting or harmful emissions to health
- ▶ Doesn't need cleaning



**Ecological and
Ideal for new
constructions**

They are a system classified as Renewable Energy, which improves the energy classification of the house, and meets the requirements for new constructions



**Big energy
savings**

There is a significant saving in energy consumption, reaching up to 75% free energy.



Wi-Fi connection

SPIRIT heat pumps have a wifi connection for easy management via application on a smartphone or tablet.



I-NEX Monoblock Air-to-Water Heat Pump

A+++



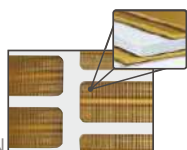
BOMBAS DE CALOR



I-NEX offers efficient heating, cooling and DHW solutions.

It is quiet, with a low noise level of up to 40 dB(A) at a distance of 1 m.

- Uses R290
- State-of-the-art components
- Water outlet temperature up to 80°C for heating and up to 70°C for DHW without a booster



GOLDENFIN

Anti-Corrosion Treatment of the OU interchanger grants it with a golden look (Golden Fin), making the unit a great product for seaside environment with high level of corrosion.



Controller



NOVO



MONOBLOCO I-NEX		M06 Gv5	M08 Gv5	M10 Gv5	M12 Gv5	M14 Gv5	M16 Gv5	M12T Gv5	M14T Gv5	M16T Gv5
Heating Power (7°C out/ 35°C water)	kW	6.2	8.4	10.0	12.0	14.0	15.5	12.0	14.0	15.5
Heating Power (7°C out/ 45°C water)	kW	6.1	8.4	10.0	12.0	14.5	15.0	12.0	14.5	15.5
Heating Power (7°C out/ 55°C water)	kW	5.5	7.2	8.5	12.0	14.0	15.5	12.0	14.2	15.5
Cooling Power (35°C out/ 7°C water)	kW	6.1	7.5	8.9	11.6	12.8	14.0	11.6	12.8	14.0
Cooling Power (35°C out/ 18°C water)	kW	6.2	8.3	10	12	14	15.5	12	14	15.5
EER (35°C out/7°C water)		3.2	3.2	3.0	3.1	2.9	2.8	3.1	2.9	2.8
EER (35°C out/18°C water)		5.2	5.2	4.9	4.6	4.3	4.4	4.6	4.3	4.4
COP (7°C out/35°C water)		5.0	5.0	4.7	4.9	4.7	4.7	4.9	4.7	4.7
Energy Class (35°/55°/DHW)**		A+++/A++/A								
Power Supply	V/f/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50
Electric Current (Cooling)	A	6.00	7.30	9.15	10.50	13.00	14.34	6.04	7.48	8.28
Electric Current (Heating)	A	8.29	6.94	9.07	11.30	14.2	15.32	6.50	8.17	8.84
Recommended circuit breaker	A	16	20	20	25	32	32	16	16	16
Power cable	mm ²	3x2,5	3x4	3x4	3x4	3x6	3x6	5x2,5	5x2,5	5x2,5
Operating Temperature Range	Cooling	°C	+15~+48	+15~+48	+15~+48	+15~+48	+15~+48	+15~+48	+15~+48	+15~+48
	Heating	°C	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35
	DHW	°C	-25~+45	-25~+45	-25~+45	-25~+45	-25~+45	-25~+45	-25~+45	-25~+45
DHW temperature	°C	+40~+70*	+40~+70*	+40~+70*	+40~+70*	+40~+70*	+40~+70*	+40~+70*	+40~+70*	+40~+70*
Hydraulic Connections	pol.(DN)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1" ¼(32)	1"(25)	1"(25)	1" ¼(32)
Sound Pressure	Cold	dB(A)	47	52	53	55	56	53	55	53
	Heat	dB(A)	47	51	52	55	56	53	55	53
Refrigerante		R290	R290	R290	R290	R290	R290	R290	R290	R290
R290 Refrigerant Charge	Kg	0.8	1.00	1.00	1.2	1.2	1.5	1.2	1.2	1.5
Equipment dimensions (WxHxD)	mm	1210x450x880						940x1615x460		
Packaging Dimensions (WxHxD)	mm	1323x528x900						1090x1760x560		
Net/Gross Weight	Kg	110/128	124/141	124/141	138/155	138/155	175/193	146/163	146/163	179/197
Code		NI0512106	NI0512108	NI0512110	NI0512112	NI0512114	NI0512116	NI0512312	NI0512314	NI0512316

* using only electrical resistance

** in accordance with EN 14825/EN 16147

SPIRIT Monoblock Air-to-Water Heat Pump

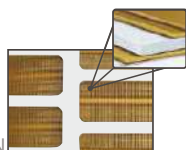


The Spirit M is a highly efficient Monobloc unit for production of heated or cooled water for room acclimatization with radiant floor, radiators, Fan coils and even DHW, when allied with a DHW tank. It is available in the power ranges between 6 and 16kW.

- › Built-in Wi-Fi Control.
- › Water Output Temperature of 65°C (without backup heater)
- › Latest Generation Components



INTEGRATED CONTROL



GOLDENFIN

Anti-Corrosion Treatment of the OU interchanger grants it with a golden look (Golden Fin), making the unit a great product for seaside environment with high level of corrosion.



SPIRIT M MONOBLOCO			M06Gv4	M08Gv4	M10Gv4	M12Gv4	M14Gv4	M16Gv4	M12T Gv4	M14T Gv4	M16T Gv4
Heating Power (7°C out/ 35°C water)	kW		6	8	10.2	12	14.2	15.7	12	14.2	15.7
Heating Power (7°C out/ 55°C water)	kW		6.80	8	10.2	13	14.2	16.2	13	14.2	16.2
Cooling Power (35°C out/ 7°C water)	kW		6.50	8	10.2	12	13.7	15.5	12	13.9	15.4
Cooling Power (35°C out/ 18°C water)	kW		5.70	7.20	9	11.1	13.3	13.8	11.1	13.3	13.8
EER (35°C out/ 7°C water)			3.25	3.20	3.40	3.10	2.80	2.71	3.10	2.80	2.71
EER (35°C out/ 18°C water)			5.1	4.85	5.10	4.90	4.57	4.31	4.60	4.19	3.80
COP (7°C out/ 35°C water)			5.40	4.90	5.05	4.94	4.75	4.55	4.82	4.60	4.40
COP (7°C out/ 45°C water)			4.10	3.80	4.08	3.77	3.70	3.61	3.7	3.70	3.61
Energy Class (35°/55°/DHW)			A+++/A++/A								
Power Supply	V/f/Hz		220-240/1/150	220-240/1/150	220-240/1/150	220-240/1/150	220-240/1/150	220-240/1/150	380-415/3/50	380-415/3/50	380-415/3/50
Electric Current Cooling	A		8.0	10.6	17.5	17	21	23	5	8	8.5
Electric Current Heating	A		11	17	25	29	30	30	11.5	12	12.5
Recommended circuit breaker	A		16	25	32	32	32	32	16	16	16
Working Temperature Range	Cooling	°C	+15~+48	+15~+48	+15~+48	+15~+48	+15~+48	+15~+48	+15~+48	+15~+48	+15~+48
	Heating	°C	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35
	DHW	°C	-25~+45	-25~+45	-25~+45	-25~+45	-25~+45	-25~+45	-25~+45	-25~+45	-25~+45
DHW Temperature	°C		+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*
Hydraulic Connections	poL(DN)		1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)
Sound Pressure	Cool	dB(A)	52	55	54	54	55	56	54	55	56
	Heat	dB(A)	53	56	56	56	58	59	56	58	59
Refrigerant			R32	R32	R32	R32	R32	R32	R32	R32	R32
Refrigerant Gas Load	Kg		0.95	1.23	1.60	2.20	2.20	2.20	2.20	2.20	2.20
Equipment Dimensions (WxDxH)	mm		1150x756x365			1206x878x445				1206x878x445	
Package Dimensions (WxDxH)	mm		1258x900x503			1338x1020x553				1338x1020x553	
Net Weight/ Gross Weight	Kg		90/106	95/112	114/133	132/150	132/150	132/150	138/156	138/156	138/156
Code			NI0511106	NI0511108	NI0511110	NI0511112	NI0511114	NI0511116	NI0511312	NI0511314	NI0511316

* with electrical resistance only

SPIRIT MG Monoblock Air-to-Water Heat Pump

A+++



BOMBAS DE CALOR

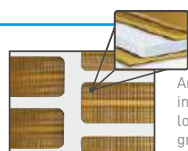


The Spirit MG is a high-efficiency monoblock unit available in power ratings from 18 to 30 kW, offering an advanced air-to-water air-conditioning solution that incorporates DC inverter technology to optimise energy consumption.

- › Built-in Wi-Fi control
- › Water output up to 65°C without electrical assistance.
- › State-of-the-art components
- › Electronic expansion valve

Key Functions:

- › Heating
- › Cooling
- › Heating + DHW
- › Cooling + DHW



GOLDENFIN

Anti-Corrosion Treatment of the OU interchanger grants it with a golden look (Golden Fin), making the unit a great product for seaside environment with high level of corrosion.



INTEGRATED CONTROL

SPIRIT M MONOBLOC			MG18GV4	MG22GV4	MG26GV4	MG30GV4
Heating Power (7°C out/ 35°C water)	kW		18.0	22.0	26.0	30.0
Heating Power (7°C out/ 45°C water)	kW		18.0	22.0	26.0	30.0
Heating Power (7°C out/ 55°C water)	kW		17.5	21.0	26.0	30.0
Cooling Power (35°C out/ 7°C water)	kW		18.5	23.0	27.0	31.0
Cooling Power (35°C out/ 18°C water)			3.10	3.00	2.80	2.60
EER (35°C out/7°C water)			4.80	4.70	4.40	4.10
EER (35°C out/18°C water)			4.80	4.50	4.35	4.35
COP (7°C out/35°C water)			3.60	3.50	3.40	3.40
Energy Class (35°/55°/DHW)**			A+++/A++/A			
Power Supply	V/f/Hz		400V/3/50Hz			
Electric Current (Cooling)	A		5,43	7,09	8,67	10,0
Electric Current (Heating)	A		5,58	7,09	8,9	11
Recommended circuit breaker	A		25	25	32	32
Power cable	mm ²		5x4	5x4	5x6	5x6
Operating Temperature Range	Cooling °C		+15~+48	+15~+48	+15~+48	+15~+48
	Heating °C		-25~+35	-25~+35	-25~+35	-25~+35
	DHW °C		-25~+45	-25~+45	-25~+45	-25~+45
DHW temperature	°C		+40~+80*	+40~+80*	+40~+80*	+40~+80*
Sound Pressure	Cold dB(A)		57	58	57	58
	Heat dB(A)		56	57	57	58
Refrigerante			R32	R32	R32	R32
R290 Refrigerant Charge	Kg		4.00	4.00	5.00	5.00
Electronic expansion valve			✓	✓	✓	✓
Equipment dimensions (WxHxD)	mm		940x1615x460		1250x1804x460	
Packaging Dimensions (WxHxD)	mm		1050x1625x580		1320x1819x610	
Net/Gross Weight	Kg		205/221		261/290	
Code			NI0514018	NI0514022	NI0514026	NI0514030

* using only electrical resistance

** in accordance with EN 14825/EN 16147

Air/ Water SPLIT HEAT-PUMP SPIRIT S

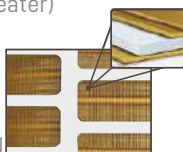


The Spirit S has a power range between 6 and 16kW and is highly efficient for production of heated or cooled water for room climatization with radiant floor, radiators, fan coils and even DHW, when allied with a DHW tank.

- Built-in Wi-Fi Control
- Water Output Temperature of 60°C (without backup heater)
- Latest Generation Components



GOLDENFIN



Anti-Corrosion Treatment of the OU interchanger grants it with a golden look (Golden Fin), making the unit a great product for seaside environment with high level of corrosion.



COMANDO DE SÉRIE



* 3 years full warranty + 2 years on parts

SPLIT SPIRIT S		S06 Gv4	S08 Gv4	S10 Gv4	S12 Gv4	S14 Gv4	S16 Gv4	S12T Gv4	S14T Gv4	S16T Gv4
Heating Power (7°C out/ 35°C water)kW		6.2	8.3	10.2	12.2	14.5	16.0	12.2	14.5	16.0
Heating Power (7°C out/ 45°C water)kW		6.0	8.2	10.0	12.3	14.0	16.0	12.3	14.0	16.0
Cooling Power (35°C out/ 7°C water) kW		6.2	7.3	8.7	11.2	12.0	13.4	11.2	12.0	13.4
Cooling Power (35°C out/ 18°C water)kW		6.5	8.4	10.2	12.0	13.3	14.6	12.0	13.3	14.6
EER (35°C out/ 7°C water)		3.35	3.4	3.25	2.9	2.75	2.65	2.9	2.75	2.65
EER (35°C out/ 18°C water)		5.4	5.15	4.75	4.0	3.6	3.7	4.0	3.6	3.7
COP (7°C out/ 35°C water)		5.75	5.3	5.0	5.05	4.8	4.55	5.05	4.8	4.55
COP (7°C out/ 45°C water)		4.0	4.0	3.95	3.8	3.68	3.7	3.8	3.68	3.7
Energy Class (35°/55°/AQS)		A+++/A++/A			A+++/A++/A			A+++/A++/A		
Power Supply	V/f/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50
(1) Electric Current Cooling	A	9	11	14	22	23	25	7.4	8.3	9
(2) Electric Current Heating	A	12	17	19	26	29	30	9.1	10.2	11.2
Protection Circuit Breaker	°C	16	20	25	32	32	32	16	16	16
Temperature Range	Cooling	°C	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48
	Heating	A	-30~+35	-30~+35	-30~+35	-30~+35	-30~+35	-30~+35	-30~+35	-30~+35
DHW Temperature	°C	+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*
Connections Diameter	Gas	poL	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Liquid	poL	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8
Pre-Load Length	m	5	5	5	5	5	5	5	5	5
Total Max. Length	m	20	30	30	30	30	30	30	30	30
Max. Height Difference	m	15	15	15	15	15	15	15	15	15
Hydraulic Connections	poL(DN)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)
Refrigerant		R32	R32	R32	R32	R32	R32	R32	R32	R32
Indoor unit	Electric heater	kW	1.5+1.5	3+3	3+3	3+3	3+3	3+3	3+3	3+3
	Sound Pressure	dB(A)	31	31	31	29	29	29	29	29
	Dimensions (WxDxH)mm		429x880x268	429x935x268	429x935x268	429x935x268	429x935x268	429x935x268	429x935x268	429x935x268
	Package Dimensions (WxDxH)mm		1138x360x533	1178x315x533	1178x315x533	1178x315x533	1178x315x533	1178x315x533	1178x315x533	1178x315x533
Outdoor unit	Net Weight/Gross Weight Kg		50/58	51/59	51/59	51/59	51/59	51/59	51/59	51/59
	Air Flow	m³/h	3700	4970	4970	4620	4970	4970	6300	6300
	Sound Pressure	dB(A)	53	54	56	56	58	58	56	58
	Refrigerant Gas LoadKg		1.3	1.75	1.75	1.84	1.84	1.84	1.84	1.84
	Additional Gas Load g/m		50	50	50	50	50	50	50	50
	Dimensions (WxDxH) mm		924x746x385	993x960x385	993x960x385	993x960x385	993x960x385	993x960x385	993x960x385	993x960x385
	Package Dimensions (WxDxH) mm		1077x770x480	1140x990x465	1140x990x465	1140x990x465	1140x990x465	1140x990x465	1140x990x465	1140x990x465
	Net Weight/Gross Weight		61/69	79/89	79/89	96/106	96/106	110/122	102/112	102/112
Code Set		NI0535106	NI0535108	NI0535110	NI0535112	NI0535114	NI0535116	NI0535312	NI0535314	NI0535316

Performance related to the following conditions:

* Only with electric resistance support.

(1) Heating: outside air temperature 7°C / water 45°C.

(2) Cooling: outside air temperature 35°C / water 7°C

AIR/ WATER Split Heat-Pump Spirit SA



The Spirit SA is a compact unit with a power range between 6 and 10kW, and is highly recommended for installments where the lack of space is an issue.

- › Built-in Wi-Fi Control
- › Water Output Temperature of 60°C (without backup heater)
- › Latest Generation Components
- › 200L Tank for DHW

GOLDENFIN

Anti-Corrosion Treatment of the OU interchanger grants it with a golden look (Golden Fin), making the unit a great product for seaside environment with high level of corrosion.



COMANDO DE SÉRIE



BOMBAS DE CALOR



SPLIT SPIRIT SA HEAT-PUMP		SA06Gv4	SA08Gv4	SA10Gv4	SA12Gv4	SA14Gv4	SA16Gv4	SA12TGv4	SA14TGv4	SA16TGv4
Heating Power (7°C out/ 35°C water)	kW	6.2	8.3	10.2	12.2	14.5	16.0	12.2	14.5	16.0
Heating Power (7°C out/ 45°C water)	kW	6.0	8.2	10.0	12.3	14.0	16.0	12.3	14.0	16.0
Cooling Power (35°C out/ 7°C water)	kW	6.2	7.3	8.7	11.2	12.0	13.4	11.2	12.0	13.4
Cooling Power (35°C out/ 18°C water)	kW	6.5	8.4	10.2	12.0	13.3	14.6	12.0	13.3	14.6
EER (35°C out/ 7°C water)		3.35	3.4	3.25	2.9	2.75	2.65	2.9	2.75	2.65
EER (35°C out/ 18°C water)		5.4	5.15	4.75	4.0	3.6	3.7	4.0	3.6	3.7
COP (7°C out/ 35°C water)		5.75	5.3	5.0	5.05	4.8	4.55	5.05	4.8	4.55
COP (7°C out/ 45°C water)		4.0	4.0	3.95	3.8	3.68	3.7	3.8	3.68	3.7
Energy Class (35°/55°/DHW)		A+++/A++/A			A+++/A++/A			A+++/A++/A		
Power Supply	V/f/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	400/3/50	400/3/50	400/3/50
Cooling Current	A	9	11	14	22	23	25	7.4	8.3	9
Heating Current	A	12	17	19	26	29	30	9.1	10.2	11.2
Protection Circuit Breaker	A	16	20	25	32	32	32	16	16	16
Temperature Range	Cooling	°C	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48
	Heating	°C	-30~+35	-30~+35	-30~+35	-30~+35	-30~+35	-30~+35	-30~+35	-30~+35
DHW Temperature	°C	+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*	+40~+80*
Connectios Diameter	Liquid	poL	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	poL	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8
Pre-Load Length	m	5	5	5	5	5	5	5	5	5
Total Max. Length	m	20	25	30	30	30	30	30	30	30
Max. Height Difference	m	15	15	15	15	15	15	15	15	15
Hydraulic Connectios	inch(DN)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)
Refrigerant Gas		R32	R32	R32	R32	R32	R32	R32	R32	R32
Indoor unit	Eletric heater	kW	1.5+1.5	3+3	3+3	3+3	3+3	3+3	3+3	3+3
	Sound Pressure	dB(A)	31	31	31	31	31	31	29	29
	Dimensions (WxDxH)mm		600x1800x650	600x1800x650	600x1800x650	600x1800x650	600x1800x650	600x1800x650	600x1800x650	600x1800x650
	Tank Volume	L	200	200	200	200	200	200	200	200
Net Weight/Gross Weight		Kg	193/214	193/214	193/214	193/214	193/214	193/214	193/214	193/214
Outdoor unit	Air Flow	m³/h	3700	4970	4970	4620	4970	4970	6300	6300
	Sound Pressure	dB(A)	53	54	56	56	58	58	56	58
	Refrigerant Gas Load	Kg	1.3	1.75	1.75	1.84	1.84	1.84	1.84	1.84
	Additional Gas Load	g/m	50	50	50	50	50	50	50	50
	Dimensions (WxDxH)mm		993x960x385	993x960x385	993x960x385	993x960x385	993x960x385	993x960x385	993x1352x385	900x1352x345
	Package Dimensions (WxDxH)mm		1077x770x480	1140x990x465	1140x990x465	1140x990x465	1140x990x465	1140x990x465	1140x990x465	1020x1380x440
Net Weight/ Gross Weight		Kg	61/69	79/89	79/89	96/106	96/106	110/112	102/122	102/112
O.U. Code			NI0531106	NI0531108	NI0531110	NI0531112	NI0531114	NI0531116	NI0531312	NI0531314
I.U. Code			NI0533106	NI0533108	NI0533110	NI0533112	NI0533114	NI0533116	NI0533312	NI0533314
Code Set			NI0536106	NI0536108	NI0536110	NI0536112	NI0536114	NI0536116	NI0536312	NI0536314

* with electrical resistance only



HIGH-EFFICIENCIES HEAT-PUMP H-POWER



AIR/WATER INVERTER HEAT-PUMP WITH AXIAL FAN

- › Single and Double SCROLL INVERTER Compressor
- › Fan with DC Brushless Motor
- › Circulator DC BRUSHLESS (optional)
- › Compact Dimensions (1198 x 1198 mm)
- › Possibility of cascade installation
- › Highest EER and COP in the market
- › Hi-Touch Compatible
- › Solar Management Kit
- › Built-in Condensing Pressure Control
- › Mixing Valve Control



H-POWER ACCESSORIES

Code	Description	Preços/IVA
NI0516702	H-POWER DHW probe (10k ohm)	42€
NI0516722	Anti-ice kit H-POWER	358€
NI0516742	High Efficiency Integrated Circulator p/ 140	1436€
NI0516744	High Efficiency Integrated Circulator p/ 250 to 270	1759€
NI0516746	Integrated Circulator EC H-POWER 140 to 270	4229€
NI0516762	Silencing kit H-POWER 140	237€
NI0516764	Silence Kit H-POWER 250 to 270	345€

Accessories must be ordered when ordering the pump as they need to be factory installed



Sturdy frame made of galvanised sheet steel

up to **30%** energy savings compared with other brands

water up to **65°C** with electrical resistance

H-POWER		0140	0250	0260	0270
ARREFECIMENTO					
(1)Pot. arrefecimento	kW	29.6	36.3	48	53.2
(1)Pot. absorvida	kW	9.54	11.7	15.5	17.7
(1)E.E.R.	W/W	3.10	3.10	3.10	3.01
(2)Pot. arrefecimento	kW	37.3	55.3	65.3	66
(2)Pot. absorvida	kW	8.91	13	15.5	16.6
(2)E.E.R.	W/W	4.19	4.25	4.21	3.98
(5)SEER	W/W	4.80	4.72	4.86	4.85
(1)Fluxo de Água	L/s	1.42	1.74	2.30	2.55
(1)Pressão estática disponível	kPa	146	138	155	151
AQUECIMENTO					
(3)Pot. aquecimento	kW	40	50.2	61.4	66.8
(3)Pot. absorvida	kW	9.84	12.2	15	16.3
(3)C.O.P	W/W	4.07	4.11	4.09	4.10
(4)Pot. aquecimento	kW	40.6	49.7	59.5	66.6
(4)Pot. absorvida	kW	12.5	15.4	18.3	20.4
(4)C.O.P	W/W	3.25	3.23	3.25	3.26
(6)SCOP	W/W	4.25	4.16	3.92	3.94
(1)Fluxo de água	L/s	1.94	2.38	2.85	3.19
(4)Pressão estática disponível	kPa	125	109	130	122
Eficiência Energética(35°/55°C)		A++/A++	A++/A+	A++/A+	A++/A+
Tipo de compressor	n°	Scroll DC Inverter			
N° de compressores	n°	1	2	2	2
Refrigerante		R32	R32	R32	R32
Fluxo de ar nominal do ventilador	L/s	4368	5431	6417	5547
(1)Fluxo de água circ. hidráulico	L/s	1.42	1.74	2.30	2.55
Ligações hidráulicas	Pol.	1"1/2(DN40)	1"1/2(DN40)	1"1/2(DN40)	1"1/2(DN40)
Pressão máxima	bar	6	6	6	6
Volume mínimo de água		286	389	490	522
(9)Pressão sonora	dB(A)	77	83	84	84
Alimentação elétrica		400V/3P+N+T/50Hz			
Pot. max. absorvida	kW	24	33	39	43
Corrente max. absorvida	A	38	52	62	68
Peso	kg	440	540	560	600
Dimensões (LxPxH)	mm	1850x1110x1920	1850x1110x1920	1850x1110x1920	1850x1110x1920
Código		NI0516014	NI0516025	NI0516026	NI0516027
Preço S/IVA		20660€	25100€	26850€	30470€

Performance refers to the following conditions:

- (1) Cooling: outside air temperature 35°C; water inlet/outlet temperature 12/7°C.
 (2) Cooling: outside air temperature 35°C; water inlet/outlet temperature 23/18°C
 (3) Heating: outdoor air temperature 7°C (dry bulb) 6°C (wet bulb); water inlet/outlet temperature 30/35°C.
 (4) Heating: outdoor air temperature 7°C (dry bulb) 6°C (wet bulb); water inlet/outlet temperature 40/45°C.
 (5) Cooling: inlet/outlet water temperature 7/12°C.
 (6) Heating: average weather conditions; T_{biv} = -7°C; low temperature.
 (9) Sound power: heating mode setting (3); value determined on the basis of measurements carried out in accordance with the UNI-EN-ISO 9614-2 standard, in compliance with the requirements of Eurovent certification.

N.B. The performance data shown are indicative and may be subject to change. Furthermore, the efficiency figures stated in points (1), (2), (3) and (4) should be understood as referring to instantaneous power in accordance with UNI EN 14511. The figures stated in points (5) and (6) are determined in accordance with UNI EN 14825.



DHW Heat Pump INNOVUS



INNOVUS HEAT PUMP

Heat exchanger specifically designed for R290, featuring parallel microchannels in flat aluminium tubes. Innovative micro-pore design for the refrigeration process. Internationally patented (PCT/ CN2023/ 130162) Heat transfer performance is improved by 32% compared with conventional aluminium plate heat exchangers.



Intelligent Controller



Special compressor for heat pumps



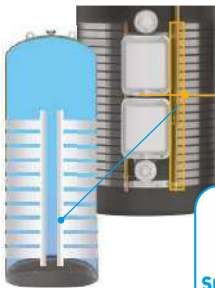
Temperature probe holder



Dual-temperature probe



Microscale heat exchangers



DEPÓSITO
CONVEXO
SEM
SOLDADURAS

INTELLIGENT ELECTRICAL ANODE FOR CORROSION PREVENTION

ANTI-CORROSION GLAZED TANK



WATER TANK PROTECTION



ELECTRICAL RESISTANCE PROTECTION



INSULATED WATER TANK



AUTOMATIC TEMPERATURE CONTROL



EQUIPOTENTIAL PROTECTION



AUTOMATIC FAULT DETECTION



OVERPRESSURE PROTECTION



ANTI-BANCKFLOW PROTECTION



Intelligent control

Flexible Installation
Anti-Legionella Function

HEAT PUMP INNOVUS		IN-200 GA	IN-300 GA
Power Supply	V~/Hz	220 240V ~ 50/60Hz	
Heat Pump Thermal Power	W	1700	
Heat Pump Rated consumption	W	425	
Power Electrical Resistance	W	2000	
COP	COP	3.50	3.90
Energy Efficiency	%	135	145
Heating Time (EN16147)	h:mm	07:22	08:00
Qtt. of Water With draw at 40°C (EN16147)	L	282	328
Noise pressure LWA	(V1/V2) dB(A)	54/48	
Eco-Friendly Gas/ Quantity	~/kg	R290 / 0.15	
Energy Class		A+	
Load Profile		XL	XL
Dimensions	Unit Dimensions (ø/Height)	mm	668x1667
	Duct Diameter	mm	160
	Weight	kg	96
Tank	Capacity	L	206
	Max. Pressure	bar	8,0
	Material	Vitrificado	
	Isolation	mm	50, espuma de poliuretano
	Hydraulic Coonectios	polegadas	3/4"
Temp. of Operation (Air)Min/Max		°C	-7/45
Temo. Water Outlet		°C	35/70
4-way valve		✓	✓
Electronic Expansion Valve		✓	✓
Code		NI1510200	NI1510300

DHW Heat Pump Stainless Steel FLEXUS



FLEXUS

High-efficiency heat pumps designed for domestic hot water production.

- › Duplex Stainless Steel Tank 2205
- › Coil temperature sensor
- › Average tank temperature sensor
- › High and low pressure protection
- › Microchannels exchanger
- › 50mm polyurethane foam insulation
- › Easier control
- › Anti-Legionella function
- › GMCC Compressor
- › WI-FI
- › FLEXUS color: Gray



30% IMPROVED HEAT TRANSFER EFFICIENCY



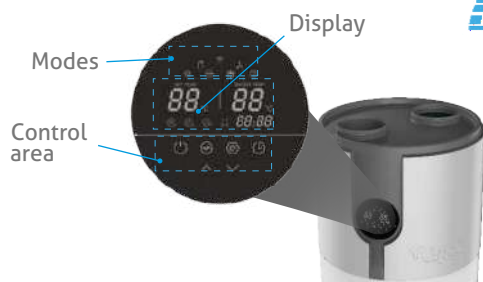
FAST THERMAL RESPONSE



DURABILITY AND CORROSION RESISTANCE

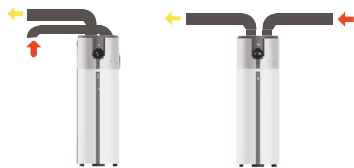


PV READY FUNCTION
Possibility of integrating a photovoltaic energy source



DIFFERENT TYPES OF INSTALLATION

The unit can function not only as a heat pump, but also as a cooling, dehumidifier or energy recovery device.



MAGNESIUM SULPHATE

A protective component that prevents corrosion in the inner tank.



FLEXUS		FX-80	FX-120	FX-200	FX-200 1S	FX-300	FX-300 1S
Electrical supply		V/Ph/Hz		220 240V/1/ 50Hz			
Rated power	W	2000	2000	2100	2100	2100	2100
COP*	W/W	3,05	3,14	3,6	3,6	3,8	3,8
Maximum current	A	1.81 + 6.8 (e-heater)			2.61 + 6.8 (e-heater)		
Maximum water temperature	°C	70					
Max. water temperature	°C	70 (60 without support of electrical resistance)					
Temperature adjustment range	°C	10 - 70					
Working environment temperature	°C	-5-43					
Max. discharge pressure	bar	26					
Max. suction pressure	bar	10					
Sound Pressure**	dB(A)	55	55	55	55	56	56
Energy Class				A+			
Type of refrigeration (.../g)				R290 / 150			
Air flow	m3/h	250	250	350	350	350	350
Compressor	Tipo	Rotary					
	Marca	GMCC					
Fan motor	Tipo	Asynchronous motor					
	W	40	40	60	60	60	60
	RPM	900	900	1130	1130	1130	1130
Pipe diameter	mm	Ø160mm					
Tank	Maximum Pressure	10					
	Material	Inox Duplex 2205					
	Hydraulic Connections	3/4"					
	Serpentine Connections	-	-	-	3/4"	-	3/4"
	Solar Serpentine	m²	-	-	-	0.9	-
Auxiliary electrical resistance		KW 1.5					
Eletronic expansion valve		✓	✓	✓	✓	✓	✓
Anti-Corrosion System				Magnesium Anode			
Equipment	mm	ø516x1070	ø516x1317	ø565x1750	ø565x1750	ø648x1850	ø648x1850
Dimensions	Packaging	mm 570x570x1185	570x570x1435	629x629x1892	629x629x1892	695x695x1989	695x695x1989
	Weight	Kg 46	51	72	72	87	87
Code		NI1550080	NI1550120	NI1550200	NI1551200	NI1550300	NI1551300

*Referring to the hot climate zone (Warmer Climate 20/15°C) according to EN16147

**Noise is tested in accordance with EN 12102 using water at 50°C

AQUANOVUS DHW Split Heat Pump



AQUANOVUS SPLIT HEAT PUMP

- › A storage facility suitable for blocks of flats or detached houses.
- › Multiple protection functions
- › Easy and flexible installation, miniming the space required.
- › Easy maintenance
- › External coil, microchannel heat exchanger
- › High-temperature sterilisation function
- › Vitrified steel tank
- › Built-in Wi-Fi

Class A+ energy efficiency
R32 eco-friendly refrigerant
DC Inverter Compressor
Smart defrost function
Cathodic protection: electronic anode



Command NPGA/EJ



BOMBAS DE CALOR



AQUANOVUS			AN -200	AN - 300
Heating	Power	W	3500	4600
	Consumption	W	777	1000
	Rated Current	A	3,4	4,4
	Energy Class		A+	
	Useful volume	L	190	290
Tank	Maximum pressure	bar	7	8
	Material		Enamelled steel	
	Insulation	mm	45, polyurethane foam	
	Weight	kg	67	86
	Water inlet/outlet Hydraulic connections	PoL (DN)	3/4"	3/4"
	Dimensions (Ø/Height)	mm	510/1623	620/1585
COP DHW**			3,8	4,1
Maximum height difference (EU/Depot)		m	6	
Maximum distance (EU/Depot)		m	20	
Power of electrical resistance		W	1500	1500
Power		V / f / Hz	220 - 240 / 1 / 50	
DHW Temperature		°C	+35 - +70*	
Corrosion Protection			Electronic anode	
Outdoor Unit	Dimensions (WxHxD)		732x330x553	
	Weight	kg	24,5	25,5
	Compressor		DC Inverter	
Pipe diameter	Liquid	PoL	1/4	
	Gas	PoL	3/8	
Refrigerant			R32	R32
Quantity of R32 refrigerant (up to 3m)		kg	0.55	0.63
Sound Pressure		dB(A)	60	62
Additional charge		g/m	24	
Code			NI1515520	NI1515530

* using only the electrical resistance (TEMP + function)

** EN 16798: 2017 + A1: 2022 (hot climate)



Electronic Anode

- Anti corrosion
- Long-lasting protection
- No replacement required



Heat exchangers with microchannels

The outer casing with a microchannel heat exchanger ensures greater efficiency.



Disinfection Function

The water tank is fitted with an auxiliary electric heating element which raises the temperature to 70°C within the set time, thereby eliminating bacteria.



**POOL
HEAT PUMP**

Pool Heat-Pump SERENUS



The SERENUS heat pump has an innovative design without a front fan, extracting the airflow from the rear, which ensures the reduction of all possible noise and a quieter performance.

MAIN FEATURES

- Mitsubishi DC Inverter Compressor.
- Innovative design without front fan.
- Exterior in anti-corrosion ABS plastic.
- It uses the ecological Gas R32.
- Uses on average 90% of free energy from ambient air.
- For pools from 15 m³ to 120 m³.
- Wi-Fi control.
- High efficiency titanium heat exchanger "TWISTED PIPE"
- Fast and efficient defrosting, by reversing the cycle with a 4-way valve.
- Includes flow switch
- Operation down to -10 degrees
- Optional protective cover



SERENUS SE07AA SE11AA SE17AA SE21TAA SE28TAA

Operating Conditions: Air 27°C/ Water 27°C/ Humidity 80%

Heating Power	kW	6.8	11.0	17.5	20.8	27.8
COP		14.0~7.1	14.0~6.9	15.6~6.9	14.6~7.0	15.6~7.1
Medium COP at 50% speed		10.4	10.2	10.9	10.9	10.7

Operating Conditions: Air 15°C/ Water 26°C/ Humidity 70%

Heating Power	kW	4.9	7.5	12.3	14.3	18.8
COP		7.2~4.4	7.3~4.6	7.7~4.9	6.9~4.9	7.8~4.9
Medium COP at 50% speed		6.4	6.5	6.5	6.5	6.4

Recommended pool volume**	m ³	15~30	30~55	40~80	50~95	60~120
Operating Temperature Limit	°C	-10°C ~ 43°C				

Compressor Twin-rotary Mitsubishi DC Compressor

Exchanger Permutador de Calor em Titânio "TWISTED PIPE"

Power Supply 230V 1Ph 400V 3Ph

Electric power kW 0.14~1.12 0.22~1.63 0.32~2.51 0.38~2.92 0.5~3.84

Electrical Power at 50% speed kW 0.38 0.58 0.95 1.10 1.47

Electric current A 0.63~4.38 0.96~7.09 1.39~10.9 0.55~4.23 0.72~5.56

Maximum Electric Current A 7.5 10.0 15.0 7.0 7.0

Power Cable mm² 3x2.5 3x2.5 3x4 5x2.5 5x2.5

Sound Pressure at 1m dB(A) 36.5~46.0 36.6~47.9 41.1~51.8 38.9~52.2 41.5~52.9

Sound Pressure at 50% at 1m dB(A) 39.2 41.3 44.5 44.4 47.0

Sound Pressure at 10m dB(A) 16.5~26.0 16.6~27.9 21.1~31.8 18.9~32.2 21.5~32.9

Refrigerant charge g 500 750 1000 1200 200

Water flux m³/h 2~4 3~5 6~8 8~10 10~12

Water Connections mm 50 50 50 50 50

Net weight kg 54 57 68 80 99

Dimensions mm 890x430x657 890x430x657 1060x430x657 1060x430x757 1060x430x957

Códigos NI3001007 NI3001011 NI3001017 NI3001121 NI3001128

PROTECTIVE COVER

Code	Description
NI3002011	SERENUS SE07 AA SE11 AA
NI3002017	SERENUS SE17 AA
NI3002021	SERENUS SE21T AA
NI3002028	SERENUS SE28T AA

Protective
Cover



WI-FI
INTEGRADO



GÁS R32



DESCONGELAÇÃO
RÁPIDA



CUMPRE COM OS
REQUISITOS



PERMUTADOR
EM TITÂNIO TORÇIDO



FUNCIONA
ATE -10°C



ALTA EFICIÊNCIA



CONFORMIDADE
EUROPEIA



EXTREMAMENTE
SILENCIOSA



VENTILADOR
DC BRUSHLESS



INVERTER



FAN COIL

FIND OUT

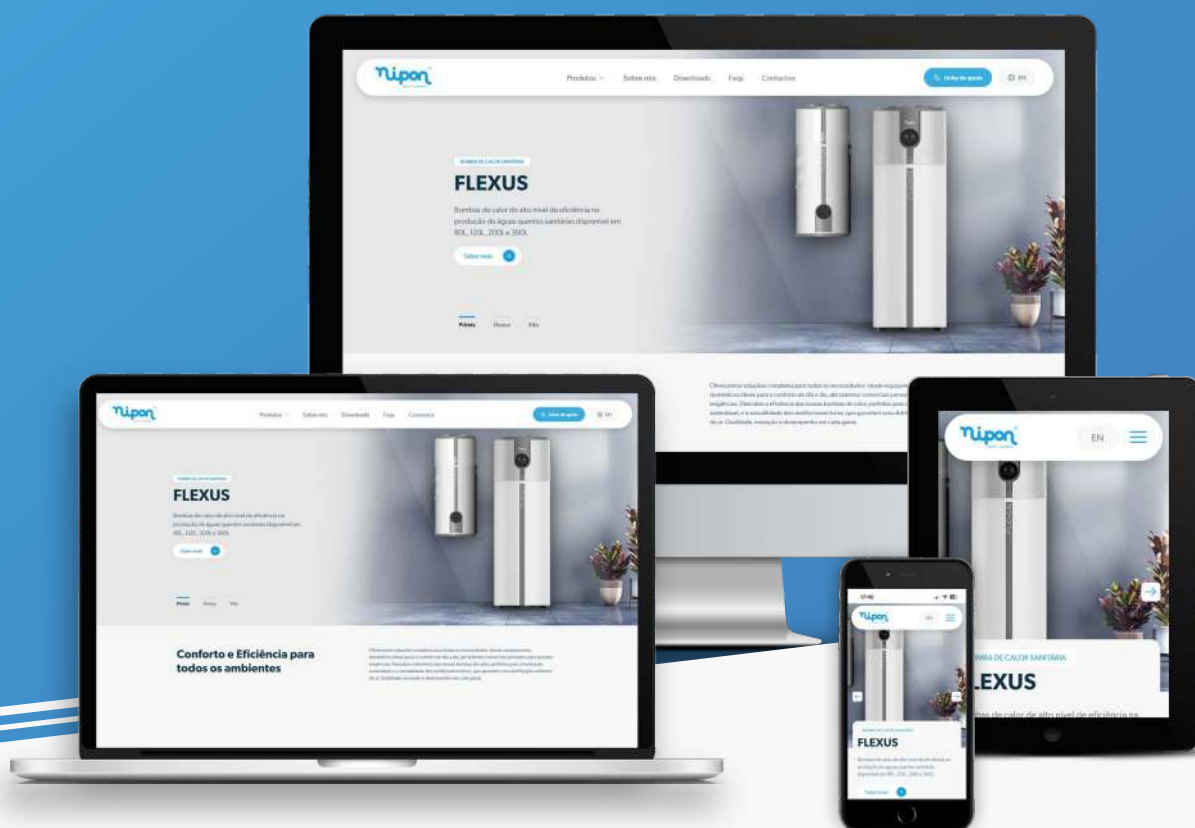
nipon[®]

techforcomfort

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the perfect solutions for your needs.
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solutions on the market, with a wide range of
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Reversible Fan Coil SUPRA REVERSE



SUPRA
REVERSE



Reversible Model

By rotating the Supra Reverse machine, it can be installed as a Mural Split or a marchine console.



Standardization

Its reversible design allows for installations aesthetically more uniform and harmonious in the same environment.

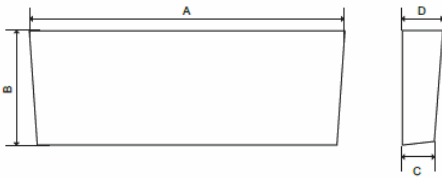


Controlo Multiset

Integrated electronics for touch use in the machine with remote controls and systems of home automation.

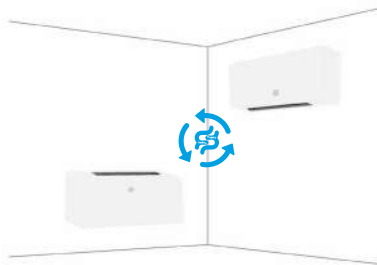
FEATURES

- Heating, cooling, dehumidification and Filtering.
- Brushless DC motor.
- Total flat design.
- Compact: Minimum thickness of 12.9 cm and maximum thickness of 15 cm.
- Line consisting of 3 power models.
- The unit is supplied with integrated 3-way valve with 4-wire Electrothermal actuator.
- One-piece box for comfortable working.
- Motorized steel air outlet deflector.
- Removable filters in the air inlet.
- Rugged metal housing.
- Available in colour: White RAL 9003.



DESIGN, DIMENSIONS, WEIGHT

		40	60	80
A	mm	906	1106	1306
B	mm	380	380	380
C	mm	129	129	129
D	mm	150	150	150
Peso	Kg	13	14,5	16



Reversible Model

INTEGRATED CONTROL

Includes a built-in touch remote and remote control (supplied). In addition, by means of a combination of buttons, it is possible to control the distance* with a Modbus NPO/736 wall-mounted chronothermostat kit or home automation, through the Modbus RS485 ASCII series or RTU protocol.

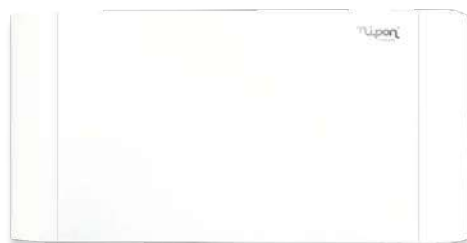
SUPRA REVERSE MODEL				SR40 OA			SR60 OA			SR80 OA		
Fan Speed				Min.	Médio	Máx.	Min.	Médio	Máx.	Min.	Médio	Máx.
Total cooling power	(a)	a27/19 - w7/12	KW	0.52	0.71	1.01	0.69	0.89	1.23	0.77	1.09	1.82
Sensible cooling power	(a)	a27/19 - w7/12	KW	0.42	0.59	0.91	0.58	0.80	1.15	0.65	0.95	1.47
Water flow rate	(a)	a27/19 - w7/12	l/h	90.6	124.0	177.0	120.1	155.1	215.5	134.0	189.7	317.7
Pressure loss on the water side	(a)	a27/19 - w7/12	kPa	2.8	5.2	8.9	4.9	6	7.9	2.1	4.8	11
Total heating power	(b)	a20/15 - w50/-	KW	0.67	0.99	1.55	0.98	1.37	2.16	1.14	1.68	2.85
Water flow rate	(b)	a20/15 - w50/-	l/h	90.6	124.0	177.0	120.1	155.1	215.5	134.0	189.7	317.7
Pressure loss on the water side	(b)	a20/15 - w50/-	kPa	2.4	4.5	7.1	1.9	2.9	2.5	2.0	4.6	8.8
Total heating power	(c)	a20/15 - w45/40	KW	0.58	0.86	1.40	0.86	1.20	1.90	0.99	1.45	2.50
Caudal de água	(c)	a20/15 - w45/40	l/h	99.1	146.3	237.5	145.5	204.6	322.8	168.1	247.8	425.4
Water flow rate	(c)	a20/15 - w45/40	kPa	3.4	6.7	11.6	6.7	11.9	5.4	8.5	16.4	15.3
Absorbed power			W	7	11	19	8	12	23	9	13	27
Sound Power Lw (A)			dB(A)	43	49	57	43	50	58	43	50	58
Sound pressure Lp(A)	(d)		dB(A)	34	40	48	34	41	49	34	41	49
Air Flow	(e)		m3/h	140	190	290	190	260	400	200	280	430
Battery Water Content			l	0.3			0.4			0.5		
Maximum working pressure			bar	8			8			8		
Hydraulic Connections		polegadas		Eurocone 3/4			Eurocone 3/4			Eurocone 3/4		
Power supply		V/F/Hz		230/1/50			230/1/50			230/1/50		
Code				NI2010504			NI2010506			NI2010508		

This data is related to the following operating conditions:
a) Cooling mode according to standard conditions: air temperature 27 °C b.s., 19 °C b.u., water inlet temperature: 7°C, water outlet temperature: 12°C
b) Conditions of use of heating mode 1: air temperature 20 °C b.s., 15 °C b.u.max, temperature of water inlet at 50 °C, water flow equal to standard cooling condition
c) Standard heating mode conditions: air temperature 20 °C b.s., 15 °C b.u.max, temperature water inlet 45°C, water outlet temperature 40°C

d) Sound pressure level valid for indoors with a volume of 100 m3 with a time of 0.5-second reverb and wall mounting, sound output on 1/2 sphere at a distance of 3 m
e) Air flow measured with clean filters

* Touch control and air probe integrated into the equipment.

Extra-Thin Fan Coil SUPRA SLIM

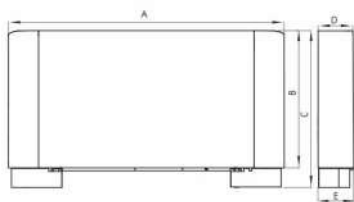


SUPRA
SLIM



- Overall flat design**
Linear aesthetics (with suction system From the bottom) for maximum integration with the surrounding architecture.
- Cor**
White RAL 9003

- 1 Valve with thermoelectric actuator (accessory kit)
- 2 High-efficiency battery
- 3 Water temperature probe
- 4 High-efficiency tangential fan
- 5 Condensate tray
- 6 Integrated electronic control



FEATURES

- Cooling, Heating, Dehumidification and Filtering.
- Compact: Thickness: min 12.9 cm - max 15 cm.
- Line consisting of 4 models to adapt to the power.
- Brushless DC motor.
- Metal front, ABS side parts
- Total flat aesthetics with an air extraction system on the underside
- Standard configuration with touch control integrated
- Available in color: White RAL 9003e.

DESIGN, DIMENSIONS WEIGHT

		20	40	60	80
A	mm	759	959	1159	1359
B	mm	579	579	579	579
C	mm	659	659	659	659
D	mm	129	129	129	129
E	mm	150	150	150	150
Peso SL	Kg	11.5	13.0	15.5	18.5

Extra-Thin Supra Slim Model				SS20 OA			SS40 OA			SS60 OA			SS80 OA		
Fan Speed				Min.	Médio	Máx.	Min.	Médio	Máx.	Min.	Médio	Máx.	Min.	Médio	Máx.
Total cooling power	(a)	a27/19 - w7/12	KW	0.38	0.71	0.82	0.91	1.34	1.74	1.50	2.10	2.54	1.98	2.69	3.29
Sensible cooling power	(a)	a27/19 - w7/12	KW	0.26	0.50	0.64	0.65	1.02	1.25	1.10	1.56	1.94	1.54	2.09	2.54
Water flow rate	(a)	a27/19 - w7/12	L/h	66.2	123.3	142.9	157.6	232.0	302.5	259.2	363.1	440.3	341.9	464.7	570.0
Pressure loss on the water side	(a)	a27/19 - w7/12	kPa	3.8	10.6	13.1	2.4	5.5	8.2	7.5	14.2	19	7.3	13.8	18.7
Total heating power	(b)	a20/15 - w50/-	KW	0.64	0.84	1.05	1.25	1.65	2.31	1.75	2.56	3.12	2.21	3.10	4.10
Water flow rate	(b)	a20/15 - w50/-	L/h	66.2	123.3	142.9	157.6	232.0	302.5	259.2	363.1	440.3	341.9	464.7	570.0
Pressure loss on the water side	(b)	a20/15 - w50/-	kPa	3.2	8.8	10.9	2.0	4.6	6.8	6.2	11.8	15.8	6.1	11.5	15.5
Potência total em aquecimento	(c)	a20/15 - w45/40	KW	0.54	0.70	0.88	1.06	1.39	1.94	1.46	2.14	2.60	1.85	2.60	3.44
Water flow rate	(c)	a20/15 - w45/40	L/h	91.9	119.9	150.0	181.9	238.1	330.3	250.6	365.7	444.6	316.6	444.8	587.9
Pressure loss on the water side	(c)	a20/15 - w45/40	kPa	5.7	8.8	12.2	2.9	4.8	7.9	5.8	11.8	16.0	4.1	8.9	14.2
Absorbed power			W	5	7	11	6	9	19	7	11	20	8	12	24
Sound power Lw (A)			dB(A)	38	45	52	39	46	53	41	47	53	42	48	54
Sound pressure Lp (A)	(d)		dB(A)	29	36	43	30	37	44	32	38	44	33	39	45
Air Flow	(e)		m ³ /h	100	130	160	190	250	320	280	360	460	350	450	575
Battery Water Content			l	0.47			0.8			1.13			1.46		
Maximum working pressure			bar	10			10			10			10		
Hydraulic Connections		polegada		Eurocone 3/4			Eurocone 3/4			Eurocone 3/4			Eurocone 3/4		
Power supply		V/ph/Hz		230/1/50			230/1/50			230/1/50			230/1/50		
Code				NI2010102			NI2010104			NI2010106			NI2010108		

These services are related to the following operating conditions:
a) Cooling mode according to standard conditions: air temperature 27 °C b.s. 19 °C b.u., water inlet temperature 7°C, water outlet temperature 12°C
(b) Conditions of use of heating mode 1: air temperature 20 °C b.s., 15 °C b.u.max, water inlet temperature at 50 °C, water flow equal to the standard cooling condition.
(c) Standard conditions: air temperature 20 °C b.s., 15 °C b.u.max, temperature water inlet 45°C, water outlet temperature 40°C

d) Sound pressure level valid for indoors with a volume equal to 100 m³ with a reverberation time of 0.5 sec and floor/ceiling installation, sound emission above 1/4 sphere at a distance of 3 m
(e) Airflow measured with clean filters

Accessories				
CONTROLS	NI2015002	NPO/736 - Wall-mounted Modbus chronothermostat kit	•	
	NI2015070	NPO/633 - Link Rotation Extension Kit	All sizes	
KITS ELECTRIC	NI2015052	NPO/832 - 2-Way Valve Kit with 4-Wire Actuator	•	
	NI2015054	NPO/834 - 3-Way Valve Kit with 4-Wire Actuator	•	
	NI2015056	NPO/205 - Manual 2-Way Valve Kit	•	
	NI2015058	NPO/204 - Isolation kit for manual 2-way valve	•	

Accessories				
AESTHETIC KITS	NI2015082	NPO/938 - Floor Mounting Bracket Kit	•	
	NI2015080	NPO/937 - Aesthetic feet kit for coverage	•	
	NI2015102	NPO/520 - Ceiling mount kit (Condensate Tray)	SS20 OA	
	NI2015104	NPO/521 - Ceiling mount kit (Condensate Tray)	SS40 OA	
	NI2015106	NPO/522 - Ceiling mount kit (Condensate Tray)	SS60 OA	
	NI2015108	NPO/523 - Ceiling mount kit (Condensate Tray)	SS80 OA	

• Optional Accessory - Accessory not compatible



Wall-Mounted and Cassette Fan Coils

Mural



MILAN Units			26A	35A	42A
Cooling Capacity	(1)	kW	2.7/2.59/2.39	3.81/3.3/2.88	4.47/3.98/3.48
Cooling Capacity	(1)	BTU/h	9.2/8.8/8.1	12/11.2/9.8	15.2/13.5/11.8
Power Input		W	13/11/10	34/22/15	26/18/13
Water Flow		m³/h	0.48/0.46/0.42	0.67/0.57/0.51	0.77/0.68/0.61
Head Loss		kPa	31.61/28.63/25.36	56.75/41.23/33.02	41.17/33.54/27.05
Heating Capacity	(2)	kW	2.94/2.8/2.58	4.3/3.65/3.09	4.84/4.23/3.62
Heating Capacity		BTU/h	10/9.5/8.8	14.6/12.4/10.5	16.5/14.4/12.3
Power Input		W	11/11/9	31/20/14	22/16/12
Water Flow		m³/h	0.51/0.49/0.46	0.73/0.64/0.56	0.84/0.73/0.64
Head Loss		kPa	32.66/34.89/30.24	51.86/47.53/35.69	36.82/33.83/26.26
Current Input		A	0,2	0,4	0,3
Power Supply		V~,Ph,Hz	230,1,50	230,1,50	230,1,50
Air Flow		m³/h	492/454/400	825/689/590	862/741/634
Hydraulic Connections		PoL/mm	3/4"(19,05)	3/4"(19,05)	3/4"(19,05)
Condensate Drain Connectio		mm	20	20	20
Sound pressure	(3)				
MAX - MED - MIN		dB(A)	32/30/27	45/39/35	38/34/30
Weight		kg	12,7	12,7	15,1
Dimensions (WxDxH)		mm	915x290x230	915x290x230	1072x315x230
Code			NI2031002	NI2031004	NI2031006



*3 years full warranty + 2 years warranty only parts

Wall-Mounted unit for room acclimation via water-cooling/heating, meant for commercial and residential usage, compatible with heat pumps and boilers.
MILAN Wall-Mounted units are designed to respond to the customer's demands in terms of efficiency, silent functioning and design.
The micro-processor ensures a precise control over the room temperature.



Standard with 3-way valve, infrared air trap and remote control.

- (1) Cooling Power: Input Air Temp. 27°C b.s./19°C b.u. Max Speed
Water Temp. Input/output 7°C /12°C Max Speed.
(2) Heating Power: Input Air Temp. 20°C b.s. Max Speed
Water Temp. Input/output 45°C /40°C Max Speed.
(3) 1 meter away from the unit with reverb time of 0,5s.

4-way cassette

- › Highly efficient with low head loss fin battery.
- › Equipped with condensate pump.
- › Internal insulation with closed cells to minimized thermal dispersion and noise.
- › Prepared for standard false ceiling instalments.
- › Wide area front coil that allows for high air flow with very low head loss
- › Honey Comb Polypropylene Air Filter that can be cleaned by washing or blowing.
- › Automatic movement by the air deflectors.
- › Equipped with electronic control and infrared remote controller.



› Also available in 4-tube models with auxiliary battery.
On request



Cassete HAWAII Units			22	29	35	42	60
Cooling Capacity	(1)	W	2.000	2.980	3.960	4.200	7.840
Heating Capacity	(2)	W	2.240	2.610	4.630	4.950	8.490
Power Supply		V~,Ph,Hz	230,1,50	230,1,50	230,1,50	230,1,50	230,1,50
Air Flow		m³/h	460	560	690	840	1.265
Water Flow		L/h	400	520	640	770	1.200
Head Loss		kPa	14	14	15	16	30
Sound Pressure MAX - MED - MIN	(3)	dB(A)	39/33/27	39/33/27	42/36/30	43/38/32	44/40/34
Hydraulic Connections							
Water inlet		PoL/mm	3/4"(19,0)	3/4"(19,0)	3/4"(19,0)	3/4"(19,0)	3/4"(19,0)
Water Outlet		PoL/mm	3/4"(19,0)	3/4"(19,0)	3/4"(19,0)	3/4"(19,0)	3/4"(19,0)
Type					Fêmea		
Weight		kg	21	21	21	25	29
Dimensions (WxDxH)		mm	647x647x261	647x647x261	647x647x261	647x647x261	950x950x300
Code			NI2035002	NI2035004	NI2035006	NI2035008	NI2035010

1) Input Air Temp. 27°C b.s./19,5°C b.u.
Max Speed
Water Temp. Input/output 7°C /12°C
Max Speed.
(2) Input Air Temp. 20°C b.s. Max Speed
Water Temp. Input/output 45°C /40°C
Max Speed.
(3) 1 meter away from the unit with reverb
time of 0,5s, at max speed

HAWAII Fan Coil Accessories

Code	Description	Compatible Models
NI2039102	3-Way Valve 22/42 kit	HAWAII
NI2039104	3-Way Valve 60 kit	HAWAII
NI2039120	Digital Wall-Mounted Controller	HAWAII

Console Fan Coil - VENICE



A Water Cooled/Heated Console Fan Coil with Centrifugal Fan for building acclimation, being residential or commercial, also available with DC Brushless motor.

- Super Silent Functioning.
- Galvanized Sheet Painted Frame available with V, VF, H and HF models.
- Sound Insulation.
- Renewable Filter and Condensate Tray with natural discharge.
- 6 Speed Centrifugal Fans, 3 of which are connected by standard configuration.
- Heat Exchanger with copper pipes and aluminum fins with hydrophilic surface treatment and quick condensate drainage.
- 6 available models (V – H – VN – HN – VF – HF), with or without frame, for horizontal and vertical mounting.
- 2 pipes and 4 pipes connection to auxiliary battery (optional on demand).
- All models available with high static pressure fan (on demand).



VENICE		13	23	33	43	53	63	73	83	93	103
Cooling Capacity	(1) (*) W	1.579	2.105	2.663	3.179	3.947	4.474	5.811	6.758	7.926	9.495
Sensible Capacity	(1) (*) W	1.290	1.620	2.070	2.310	2.870	3.230	4.330	4.800	5.670	6.620
Heating Capacity	(2) (*) W	1.870	2.455	2.990	3.355	4.080	4.720	6.000	6.650	7.750	9.050
Heating Capacity	(3) (*) W	3.740	4.910	5.980	6.710	8.160	9.440	12.000	13.300	15.500	18.100
Head Loss											
Cooling	(*) kPa	14.5	18.1	20.5	23.0	25.1	26.8	27.2	30.0	31.9	32.4
Heating	(3) (*) kPa	15.9	19.2	20.1	20.0	20.9	23.2	22.6	22.6	23.8	22.9
Air Flow											
Medium	m³/h	370	400	500	550	670	720	1.000	1.050	1.280	1.310
Maximum	m³/h	285	308	400	440	590	634	890	935	1.139	1.166
Minimum	m³/h	226	244	305	336	462	497	650	683	870	891
Cooling	(*) l/h	272	362	458	547	679	769	999	1.162	1.363	1.633
Heating	(3) (*) l/h	322	422	514	577	702	812	1.032	1.144	1.333	1.557
Power Input	(*) W	55	55	85	85	75	75	145	145	175	175
Sound Pressure	(4) dB(A)	24/31/38	25/31/38	30/38/44	31/38/45	26/33/37	27/34/37	34/41/43	35/41/45	39/46/48	40/46/49
Power Supply 230V/1Ph/50Hz											
Hydraulic Connections	"G	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Condensate Drainage	mm	20	20	20	20	20	20	20	20	20	20
VENICE w/ Heat Exchanger											
Heating Capacity	(2) (*) W	940	990	1.590	1.675	2.190	2.275	3.145	3.230	3.995	4.055
Heating Capacity	(3) (*) W	1.880	1.980	3.180	3.350	4.380	4.550	6.290	6.460	7.990	8.110
Head Loss	(3) (*) kPa	7.3	8.0	11.7	12.9	21.3	22.9	41.1	43.3	37.7	38.8
VENICE - BRUSHLESS											
Cooling Capacity	(1) W	1810-880	2320-1130	2830-1400	3.220-1.600	4.630-2.130	5.070-2.330	6.010-3.060	6.820-3.470	7.440-3.780	8.790-4.460
Heating Capacity	(2) W	985-2.325	1.233-2.915	1.670-3.409	1.557-3.625	2.063-5.209	2.285-5.794	2.949-6.615	2.174-7.149	3.388-7.650	3.898-8.800
Heating Capacity	(3) W	4.680-1970	5.860-2470	6.840-2940	7.250-3.120	10.510-4.130	11.650-4.580	13.280-5.900	14.300-6.350	15.300-6.780	17.600-7.800
Heat Exchanger	(2) W	1.209-510	1.211-515	1.855-800	1.865-805	2.880-1.135	2.883-1.140	3.553-1.580	3.561-1.590	4.045-1.790	4.045-1.795
Heat Exchanger	(3) W	2.440-1030	2.440-1030	3.730-1610	3.730-1.610	5.800-2.280	5.800-2.280	7.140-3.170	7.140-3.170	8.90-3.590	8.90-3.590
Air Flow	m³/h	537-127	537-127	625-153	625-153	1.021-215	1.021-215	1.184-306	1.184-306	1.255-323	1.255-323
Power Input	(5) W	9	9	9	9	10	10	11	11	11	11
Sound pressure	(5) dB(A)	23	23	26	26	22	22	24	24	25	25
Signal	Vdc	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10
Dimensions w/ frame	mm	670x520x220	670x520x220	870x520x220	870x520x220	1070x520x220	1070x520x220	1270x520x220	1270x520x220	1470x520x220	1470x520x220
Dimensions wo/ frame	mm	425x450x215	425x450x215	625x450x215	625x450x215	825x450x215	825x450x215	1025x450x215	1025x450x215	1225x450x215	1225x450x215
Weight w/ frame - wo/frame	kg	15-11	15.5-11.6	18.5-14	19-15	25-20	26-21	29-23.5	30-25	34-27.5	35-29

(1) Input Air Temp. 27°C b.s./19,5°C b.u.

Water Temp. Input/output 7°C /12°C

(2) Input Air Temp. 20°C b.s.

Water Temp. Input/output 45°C /40°C

(3) Water Temp. Input/output 70°C /60°C

(4) 2 meters away from the unit with reverb time of 0,5s, at max speed

(5) Input Signal 3Vdc

(*) Max Speed

Venice Console Fan Coil With or Without Frame



V Model- Vertical Model with frame, air input from below.

V Model - 2 Pipes	Code
13	NI2032002
23	NI2032004
33	NI2032006
43	NI2032008
53	NI2032010
63	NI2032012
73	NI2032014
83	NI2032016
93	NI2032018
103	NI2032020



VF - Vertical Model with frame, frontal air input.

VF Model - 2 Pipes	Code
13	NI2033502
23	NI2033504
33	NI2033506
43	NI2033508
53	NI2033510
63	NI2033512
73	NI2033514
83	NI2033516
93	NI2033518
103	NI2033520



VN Model - Vertical Model without frame.

VN Model - 2 Pipes	Code
13	NI2033002
23	NI2033004
33	NI2033006
43	NI2033008
53	NI2033010
63	NI2033012
73	NI2033014
83	NI2033016
93	NI2033018
103	NI2033020



HN Model - Horizontal Model without frame

HN Model - 2 Pipes	Code
13	NI2034002
23	NI2034004
33	NI2034006
43	NI2034008
53	NI2034010
63	NI2034012
73	NI2034014
83	NI2034016
93	NI2034018
103	NI2034020



H Model- Horizontal Model with frame, air input from the back

H Model - 2 Pipes	Code
13	NI2032502
23	NI2032504
33	NI2032506
43	NI2032508
53	NI2032510
63	NI2032512
73	NI2032514
83	NI2032516
93	NI2032518
103	NI2032520



HF Model- Horizontal Model with frame, air input from the front

HF Model - 2 Pipes	Code
13	NI2034502
23	NI2034504
33	NI2034506
43	NI2034508
53	NI2034510
63	NI2034512
73	NI2034514
83	NI2034516
93	NI2034518
103	NI2032520

ACESSORIES

VENICE



CIVO
3 Speed Controller +
on/off/summer/winter and
room temperature
thermostat



CMG
Digital Controller with
microprocessor with 2/4
pipe management with or
without 3-way valve.



CDB
Digital Controller for
with 2/4 pipe
management with or
without valve.



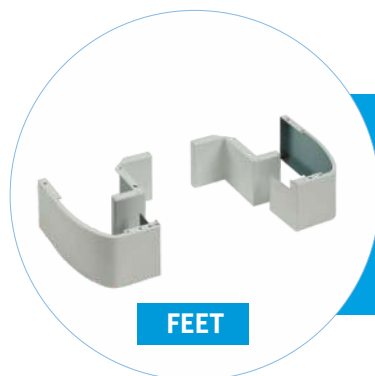
TP
Wall Controller 230V
+3 speed +on/off +
2pipe management



NPM/A1 - 230V Digital Wall-Mounted
Controller + 3 speeds + 2/4 pipes. 3.5-inch
TFT colour touchscreen. Dry contact for
window sensor. Input for water sensor.
Weekly programming + Wi-Fi.
(requires a Ø60x40mm flush-mounted box,
not included) Compatible with the 761080
square flush-mounted box (75x75x42mm),
not included



NPM/A1 - 010- Brushless Digital Wall-Mounted
Controller 230V + 0-10 V + 2/4-pipe. 3.5-inch TFT
colour touchscreen. Dry contact for window sensor.
Input for water sensor. Weekly programming + Wi-Fi.
(requires a Ø60x40mm flush-mounted box, not included)
Compatible with the 761080 square flush-mounted box
(75x75x42mm), not included



FEET



AUXILIARY DRAINAGE



Temperature Probe for
NPM/A1 and NPM/A1-010
Controllers



PC
'Mamut' control board (Included
with the CIVO, CDB, CMG and
TE controllers)



TM – Minimum thermostat –
Tset 42°C

Código	Descrição
NI0239062	CIVO Control
NI0239066	CMG Control
NI0239064	CDB Control
NI0239068	TP Thermostat
NI0239074	TM Thermostat
NI0239070	NPM/A1 Digital Wall Control Unit
NI0239072	Brushless NPM/A1 and NPM/A1-010 digital wall-mounted control unit
NI0239080	Temperature Probe for NPM/A1 and NPM/A1-010 Controllers
NI0239082	PC power connection
NI0239020	V3 valve - 2-pipe
NI0239022	V2 valve - 2-pipe
NI0239024	V4 valve - 4-pipe
NI0239026	V2 valve - 4-pipe
NI0239040	Feet
NI0239000	Auxiliary drainage



V3 3-way valve
for a 2-pipe system



V2 -2-way valve
for a two-pipe system



V4 - 4-way valve
for a 4-pipe system



V2+ - 2-way valve
for a 4-pipe system



Note 1: The prices indicated in this product catalog are retail selling prices and must be added VAT.

Note 2: The missing sale conditions in this product catalog may be consulted in the General Sale Conditions.

Note 3: The specifications described in this product catalog may be subjected to changes without advanced notice, being them associated with graphical errors or thermal alterations in the products themselves.

Note 4: Nipon techforcomfor[®] holds the right to alter the presented prices without advanced notice.

WARRANTEE INFORMATION



Nipon Techforcomfor[®] products are warranted against manufacturing defects for a total period of 60 months (5 years) from the date of original purchase. In the first 36 months, the equipment has full warranty (parts + labor) and in the last 24 months, the warranty only covers replacement parts.

WARRANTEE CONDITIONS

The warranty is only valid if it is requested an intervention under the same and if the product is accompanied by its original purchase document and the serial number of the same has not been altered. Nipon TechforComfor[®] obligations fall only upon reparation or substitution of the product or its defective parts, being them new or reconditioned. All technical interventions must be conducted by the official technical assistance of Nipon TechforComfor[®].

Any intervention provided by a service provider unknown to Nipon TechforComfor[®] and without their proper authorization won't be refunded and will be declined. Any and all responsibility inherent to any product damage within the scope of the aforementioned intervention's. It won't be considered defect covered by warranty any alteration, and/or adaptation of the product, that is necessary for it to function in countries or locations where it wasn't initially conceived. This warranty won't cover the charges or losses resulting from the aforementioned alterations and/or adaptations.

THE WARRANTY DOES NOT COVER THE FOLLOWING

- › Periodic examinations, maintenance and repairing of parts that were subjected to natural wear.
- › Costs relative to removal and installment of the equipment.
- › Incorrect usage or installment, including using the product in conditions in which it was not previously conceived or fabricated.
- › Damage done by light, water, fire, nature phenomena, war, public disturbances, incorrect voltage, improper ventilation or any other cause out of Nipon Techforcomfor[®].
- › The warranty is valid during its respective period, for any person that legally acquires a Nipon Techforcomfor[®] product.
- › The warranty does not affect the legal rights of the consumer, under the national legislation applicable in force, nor the rights that the consumer have in relation to the seller entity.

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