

Airwell



2023/2024
HEAT PUMPS & AIR CONDITIONING
GRAND EXPORT SOLUTIONS



OUR MOST
BEAUTIFUL ENERGY
STORY IS YOU

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Let's prepare for the future of energy... together

A French expert and creator of HVAC solutions for over 75 years, Airwell's mission has always been to create and cultivate well-being, and is now committed to helping drive the energy transition.

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| | | | | | |
|------|---|------|-------------|-------|------------------|
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INDUSTRIAL RANGE

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SXT Telecom

Fixed speed

R410A

• Floor ceiling telecom

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X AC - CONA

Fixed speed

R407C

• Electromechanical vertical cabinet

p.60 INDUSTRIAL DUCTED RANGE

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DDHA

DC Inverter

R410A

• High-pressure ducted

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COMMERCIAL RANGE

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VRF outdoor units

DC Inverter EVI

R410A

• From 12 to 294 kW

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VRF indoor units

DC Inverter

R410A

• Full range

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AIR/WATER RANGE

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WELLEA Monoblock

DC Inverter

R32

• Monoblock heat pump

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WELLEA Monoblock DF

DC Inverter

R32

• Monoblock heat pump

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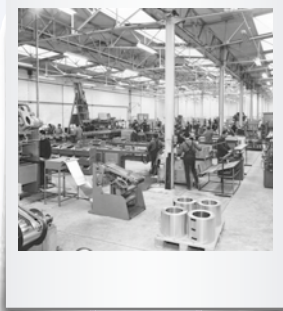
Toolbox (installation assistance, recommendations...)

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Icon guide

Airwell

YOUR FRENCH REFERENCE
for over 75 years



Airwell, a French thermal equipment manufacturer committed to the energy transition

A French referenced brand for professionals

As an expert and creator of climate and thermal solutions, Airwell's mission is to create and cultivate well-being. Airwell is committed to:



Reinventing uses

→ To limit our environmental footprint.



Optimising consumption

→ To consume less and better.



Promoting solar energy

→ To preserve natural resources.

Historical French manufacturer

- 1947 ● Creation of the Airwell Group, the French pioneer in heat pumps.
- 1970 ● Airwell becomes the leading European heat pump manufacturer. Leader in Europe and Africa.
- 2008 ● Industrial disengagement and restructuring of the Airwell Group.
- 2014 ● Launch of the Airwell 2.0 strategic project (the transformation from a heat pump manufacturer to a solution provider).
- 2020 ● Launch of My Hybrid House, AirConnect Pro and Leezy.
- 2021 ● Airwell becomes Airwell Group following the acquisition of Airwell Residential by Airwell Distribution.
- 2022 ● Integration of the CSR approach into the strategy and award of the "Innovative Company" label by BPI France.

GRUPE AIRWELL



INNOVATION · SERENITY · COMFORT LISTENING · COMMITMENT

Airwell manifesto

A vision for the future.

This is how Airwell was born in 1947. With the crazy idea of bringing innovative solutions from the United States that did not yet exist in Europe: air conditioning.

Today, innovation is more than ever at the heart of Airwell, as we have become leaders in the creation of thermal and climatic solutions. A deeply human innovation, listening to consumers.

Just like the family spirit that defines Airwell, based on wellbeing and respect for everyone's expectations.

Optimising our energy consumption, favouring solar energy to preserve our natural resources, reinventing consumer uses to limit our environmental footprint, cultivating the comfort of each interior...

At Airwell, we are committed to this for the well-being of everyone and the environment.

"What was our ambition became our mission."

Yes, energy solutions must be intuitive in their management and use.

Yes, they must reduce the ecological and economic impact of housing.

Yes, the world of tomorrow must be built around a single principle: the serenity of each individual.

"And we are convinced of this."

Our most beautiful energy story is you.

72
employees

200+
business partners

70+
service partners

Airwell operates in
80
countries

WANT TO INVEST AND BECOME A CONTRIBUTOR IN THE ENERGY TRANSITION?

A propitious context:



I BECOME A SHAREHOLDER

All the steps are detailed on our website:

<https://groupe-airwell.com/en/become-a-shareholder/>



Airwell ACADEMY

WHY AIRWELL ACADEMY?

AIRWELL had to provide a solution!

- ▶ Technical & qualifying training.
- ▶ Training tools: training rooms and training trolley rental service.
- ▶ Tailored services: residential and industrial energy audit.

Airwell supports you in setting up an energy management system that is essential to your business and to the planet.

Register for the training program at:
www.airwell-academy.fr

THE CENTRES

The training space provides:

- An Airwell products showroom
- Several equipped training rooms
- An habilitation room
- A dining area and a kitchen
- An outdoor recreational area
- Private car park

CONTACT US

NEW!

The training centre in Paris, France:

Airwell Academy

10, rue du Fort de Saint Cyr
78180 Montigny-le-Bretonneux, France

This center is specialized in energy engineering field retraining.

The training centre in Valence, France:

Airwell Academy

66, rue Gilles de Roberval - 26000 Valence, France



airwell-academy@airwell.com

+33 (0)1 76 21 82 22

or contact your Airwell sales representative

MORE THAN 75 YEARS OF EXPERTISE AT YOUR SERVICE

LOCAL AND REMOTE TECHNICAL SERVICE

- Specialist technicians.
- Direct contact by phone and on-site if necessary.
- Training in all products.
- Commissioning carried out by an Airwell-approved Technical Centre.

CALL CENTRE

- Quick and effective responses from our experts.
- High availability.
- A multilingual centre.
- Continuously trained professionals.
- A customer and service-focused approach first and foremost!
- Attentive assistance until the customer is fully satisfied.

You can find all our partners on our website, via the link below:

<https://www.airwell.com/en/where-to-find-us/>

VIDEO ASSISTANCE

Customers are ever more demanding. Our mission is to support you in meeting their needs, and facilitate your work. That is why we provide remote technical assistance.

You can consult our experts from the field, by sharing your phone's camera in real time, as well as photos or technical manuals, in addition to the voice channel.

The advantages of our After-Sales and troubleshooting assistance solution:

- An instructive and easy-to-use medium.
- Significantly increases the first-time resolution rate.
- Shorter response times on the ground.
- Call handled in our telephony system, to ensure continuous improvement of our services.

OUR TECHNICAL EXPERTS ARE AT YOUR DISPOSAL

From Monday to Friday 8 am to 6 pm



+33 (0)1 76 21 82 95

YOUR AFTER-SALES PLATFORM

It is really simple to find the content you need. This platform was built to be easily accessible for customers, and meet their requirements as closely and efficiently as possible.



Order your spare parts online!



Manage your invoices, quotes and order book.



Make a support request.



Access product exploded views.



Register your equipment.

SERVICE MINI-SITE

Our new After-Sales site supports you in the pre-installation, installation and troubleshooting of Airwell products.

Simple to use, the information is just a click away!

- 1▶ Enter the device's product code
- 2▶ Access the data sheet
- 3▶ Identify alarm codes

We want to listen to our customers, which is why we set up new intuitive and accessible tools to ensure efficiency, peace of mind and professionalism.

www.service-airwell.com





HIGH WALL

Range



| | MODEL | REFERENCE | REFRI- GERANT TYPE | 0.75 7 2 | 1 9 2.5 | 1.5 12 3.5 | 2.5 18 5 | 3 24 7 | HP kBTU/h kW |
|------|--|--------------|--------------------------|----------------|---------------|------------------|----------------|--------------|--------------------|
| p.12 |  DC INVERTER HIGH WALL <i>Built-in Wi-Fi</i> | HDLE Aura | R32 | • | • | • | • | • | |
| p.14 |  DC INVERTER HIGH WALL <i>Works with low environmental impact refrigerant</i> | HDLA Aura | R32 | • | • | • | • | • | |
| p.16 |  DC inverter High wall | HDLS | R410A | | • | • | • | • | |
| p.18 |  FIXED SPEED HIGH WALL | HFLS | R410A | • | • | • | • | • | |



DC Inverter
Reversible



HDLE AURA

High wall - Built-in Wi-Fi



RC08A
included

+ PRODUCT

- RC08A remote control included (see page 84)
- Wide range from 2 to 6 kW
- Wi-Fi compatible (AirHome solution)
- Compatible with ZDAE multisplit

FEATURES

AIR QUALITY/CLEAN



AUTO CLEAN/DRY

USER FUNCTIONS



Wi-Fi



PROGRAMMABLE
TIMER



I FEEL



NIGHT MODE



REMOTE CONTROL
LOCK



AUTO RESTART
(MEMORY)

INSTALLER FUNCTIONS



ERROR CODE VIA
INDOOR UNIT



AUTO-DIAGNOSTIC



LEFT/RIGHT
CONDENSATE
CONNECTION



DRY CONTACT
ON/OFF

CERTIFICATION

- AIRWELL participates in the ECP programme for AC1. Check ongoing validity of certificate:
www.eurovent-certification.com



- Certified in Monosplit configuration

+ "SUSTAINABLE DEVELOPMENT"

- > Energy label A++ in cooling mode and A+ in heating mode depending on model, guaranteeing energy savings.
- > Environment friendly R32 refrigerant.

+ "USER"

- > Modern and sleek design.
- > High-performance filters that trap dust and particles for better air quality.

+ "TECHNOLOGY"

- > Room sensor built into the remote control for better comfort ("I Feel" mode).
- > Automatic cleaning and drying of the indoor unit for better hygiene.

+ "INSTALLER"

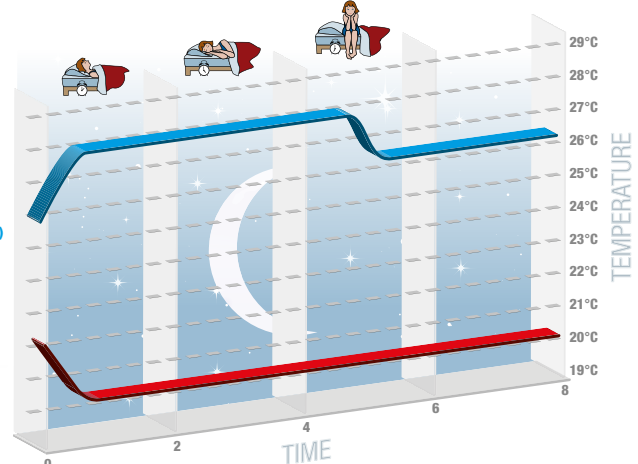
- > Condensate drain to the right or left for ease of installation in the room.



AirHome connectivity

Night mode:

- > Improved comfort and energy savings



OPTIONS

| ACCESSORY | PART NUMBER | PICTURE | FUNCTION |
|--|-------------|---------|---|
| Wired remote control RCW27 (see page 94) | 7ACEL1874 | | • Weekly programming, mode setting, temperature setting, fan speed, key lock. |

TECHNICAL DATA

| INDOOR UNIT | | HDLE-022N-09M25 | HDLE-025N-09M25 | HDLE-035N-09M25 | HDLE-050N-09M25 | HDLE-070N-09M25 |
|-------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| Part number | | 7SP023270 | 7SP023271 | 7SP023272 | 7SP023273 | 7SP023274 |
| Phase | | Single-phase | Single-phase | Single-phase | Single-phase | Single-phase |

COOLING

| Rated power (min./max.) | kW | 2.20 (0.30-2.85) | 2.70 (0.60-3.40) | 3.20 (0.90-3.60) | 4.60 (1.00-5.30) | 6.20 (1.80-6.90) |
|-------------------------|----|--------------------|------------------|------------------|------------------|------------------|
| Pdesignc | kW | 2.20 | 2.70 | 3.20 | 4.60 | 6.20 |
| Rated power input | kW | 0.59 | 0.74 | 0.99 | 1.36 | 1.83 |
| SEER/Energy label | | 6.6/A++ | 6.6/A++ | 6.1/A++ | 6.4/A++ | 6.8/A++ |
| Operating limits | °C | -15°~43°C Dry bulb | | | | |

HEATING

| Rated power (min./max.) | kW | 2.40 (0.60-2.90) | 2.80 (0.60-3.70) | 3.40 (0.90-4.00) | 5.20 (1.00-5.65) | 6.50 (1.30-7.03) |
|-------------------------------------|----|--------------------|------------------|------------------|------------------|------------------|
| Pdesignh (average climate) | kW | 2.10 | 2.60 | 2.70 | 3.70 | 4.70 |
| Pdesignh (warmer climate) | | 2.10 | 2.80 | 2.80 | 3.60 | 4.70 |
| Rated power input | kW | 0.59 | 0.70 | 0.92 | 1.34 | 1.91 |
| SCOP/Energy label (average climate) | | 4.0/A+ | 4.2/A+ | 4.0/A+ | 4.0/A+ | 4.0/A+ |
| SCOP/Energy label (warmer climate) | | 4.8/A++ | 5.2/A+++ | 4.9/A++ | 5.1/A+++ | 5.1/A+++ |
| Operating limits | °C | -15°~24°C Dry bulb | | | | |
| Power at -7°C | kW | 2.28 | 2.60 | 3.16 | 4.42 | 5.15 |
| Power at -10°C | kW | 2.20 | 2.57 | 3.12 | 4.16 | 4.50 |
| Power at -15°C | kW | 1.94 | 2.27 | 2.75 | 3.74 | 4.39 |

INDOOR UNIT

| | | | | | | |
|--|--------|-------------|-------------|-------------|--------------|--------------|
| Sound pressure level at 1 m (LS/MS/HS) | dB (A) | 22/36/39 | 21/38/41 | 21/38/41 | 27/42/44 | 26/45/48 |
| Sound level (LS/MS/HS) | dB (A) | 37/48/55 | 36/50/57 | 34/50/57 | 41/52/54 | 42/57/60 |
| Airflow (LS/MS/HS) | m³/h | 290/470/500 | 280/520/550 | 280/480/590 | 550/800/850 | 400/800/900 |
| Dehumidification | l/h | 0.60 | 1.40 | 1.40 | 1.80 | 1.80 |
| Outline dimensions (WxHxD) | mm | 713x270x195 | 790x275x200 | 790x275x200 | 970x300x224 | 970x300x224 |
| Package dimensions (WxHxD) | mm | 776x362x268 | 866x367x271 | 866x367x271 | 1041x383x320 | 1041x383x320 |
| Net weight/Gross weight | kg | 8/9.5 | 9/11 | 9/11 | 13.5/16 | 13/15.5 |

| OUTDOOR UNIT | | YDAE-022R-09M25 | YDAE-025R-09M25 | YDAE-035R-09M25 | YDAE-050R-09M25 | YDAE-070R-09M25 |
|-----------------------------|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Part number | | 7SP063200 | 7SP063201 | 7SP063202 | 7SP063203 | 7SP063204 |
| Sound pressure level at 1 m | dB (A) | 49 | 51 | 51 | 52 | 54 |
| Sound level | dB (A) | 60 | 62 | 64 | 63 | 65 |
| Airflow | m³/h | 1400 | 1950 | 1950 | 1950 | 2800 |
| Compressor type | | Rotary | Rotary | Rotary | Rotary | Rotary |
| Outline dimensions (WxHxD) | mm | 710x450x293 | 732x550x330 | 732x550x330 | 732x555x330 | 873x555x376 |
| Package dimensions (WxHxD) | mm | 764x525x330 | 792x620x393 | 792x620x393 | 794x615x376 | 951x620x431 |
| Net weight/Gross weight | kg | 21/23 | 25/27.5 | 25/27.5 | 26.5/29 | 36.5/39.5 |

POWER SUPPLY

| | | | | | | |
|-------------------------------|-----|------------------|------------------|------------------|------------------|------------------|
| Phase/Voltage/Frequency | | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz |
| Power supply side | | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor |
| Power cable section | mm² | 3G1.5 | 3G1.5 | 3G1.5 | 3G1.5 | 3G1.5 |
| Fuse rating am | A | 16 | 16 | 16 | 16 | 16 |
| Electrical connections in/out | mm² | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 |

PIPE LINE

| | | | | | | |
|-----------------------|--------|---------|---------|---------|---------|---------|
| Suction pipe diameter | inches | 3/8" | 3/8" | 3/8" | 3/8" | 1/2" |
| Liquid pipe diameter | inches | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" |
| Max. length | m | 15 | 15 | 15 | 25 | 25 |
| Max. height | m | 10 | 10 | 10 | 10 | 10 |
| Refrigerant/GWP | | R32/675 | R32/675 | R32/675 | R32/675 | R32/675 |
| Charge (5 m) | kg | 0.45 | 0.53 | 0.55 | 0.75 | 1.23 |
| Additional charge | g/m | 16 | 16 | 16 | 16 | 16 |

MATCHING

| INDOOR UNIT HIGH WALL | COMPATIBLE WITH OUTDOOR UNIT | |
|---|--|--|
| | MONOSPLIT | MULTISPLIT |
|  HDLE Aura |  YDAE |  YDZB |



DC Inverter
Reversible

HDLA AURA

High wall



RC19
included

+ PRODUCT

- RC19 remote control included (see page 132)
- Design
- Performance
- Compatible with YDZC and ZDAA multisplits

FEATURES

TECHNOLOGY



GOLDEN FIN
TREATMENT

AIR QUALITY/CLEAN



ANTIBACTERIAL
FILTER



AUTO
CLEAN/DRY

USER FUNCTIONS



24 H
PROGRAMMABLE
TIMER



I FEEL



NIGHT MODE



SUPER
QUIET



REMOTE CONTROL
LOCK



REFRIGERANT
LEAKAGE DETECTOR



AUTO RESTART
(MEMORY)

INSTALLER FUNCTIONS



ERROR CODE VIA
INDOOR UNIT



AUTO-DIAGNOSTIC



LEFT/RIGHT
CONDENSATE
CONNECTION



HEATING
ONLY
MODE

CERTIFICATION

- AIRWELL participates in the ECP programme for ACI. Check ongoing validity of certificate:
www.eurovent-certification.com



- Certified in Monosplit configuration

+ "SUSTAINABLE DEVELOPMENT"

- > Energy label A++ in cooling mode and A+ in heating mode depending on model, guaranteeing energy savings.
- > Environment friendly R32 refrigerant.

+ "USER"

- > Modern and sleek design.
- > High-performance filters that trap dust and particles for better air quality.

+ "TECHNOLOGY"

- > Room sensor built into the remote control for better comfort ("I Feel" mode).
- > Automatic cleaning and drying of the indoor unit for better hygiene.
- > Golden Fin treatment on the heat exchangers (external and internal) for protection against corrosion and durability over time.

+ "INSTALLER"

- > Installer mode for direct reading of the probes on the indoor unit.
- > Technician mode for adjusting certain operating parameters.
- > Condensate drain to the right or left for ease of installation in the room.



Longer product service life:

- > Golden Fin exchanger.
- > Anti-corrosion treatment on PCB.

OPTIONS

| ACCESSORY | PART NUMBER | PICTURE | FUNCTION |
|--|-------------|---------|---|
| Wired remote control RCW8 | 7ACEL1706 | | • Fan speed mode, timer, on/off, temperature and swing. |
| AirHome Wi-Fi module | 7ACEL1744 | | • Control air conditioners with your smartphone, tablet or computer via a wireless router and internet. |
| Condensate pump FlowwatchDesign (gutter) | 7ACTL0518 | | • Condensate evacuation from indoor units. |

TECHNICAL DATA

MULTISPLIT
CONFIGURATION
ONLY

High wall

HDLA Aura

| | | NEW | | | | |
|---|-------|------------------|--------------------|------------------|------------------|------------------|
| INDOOR UNIT | | HDLA-022N-09M25 | HDLA-025N-09M25 | HDLA-035N-09M25 | HDLA-050N-09M25 | HDLA-070N-09M25 |
| Part number | | 7SP023249 | 7SP023250 | 7SP023251 | 7SP023252 | 7SP023253 |
| Phase | | Single-phase | Single-phase | Single-phase | Single-phase | Single-phase |
| COOLING | | | | | | |
| Rated power (min./max.) | kW | 2.05 (0.71~2.64) | 2.64 (0.91~3.40) | 3.52 (1.11~4.16) | 5.28 (1.82~6.16) | 7.03 (2.08~7.91) |
| Pdesignc | kW | | 2.80 | 3.60 | 5.20 | 7.00 |
| Rated power input | kW | | 0.73 | 1.21 | 1.55 | 2.60 |
| SEER/Energy label | | | 6.3/A++ | 6.1/A++ | 7.4/A++ | 6.1/A++ |
| Operating limits | °C | | -15~50° Dry bulb | | | |
| HEATING | | | | | | |
| Rated power (min./max.) | kW | 2.34 (0.66~2.70) | 2.93 (0.821~3.370) | 3.81 (1.08~4.22) | 5.57 (1.29~6.74) | 7.33 (1.61~7.91) |
| Pdesignh (average climate) | kW | | 2.60 | 2.70 | 4.10 | 4.80 |
| Pdesignh (warmer climate) | | | 2.60 | 2.50 | 4.40 | 5.80 |
| Rated power input | kW | | 0.73 | 1.09 | 1.57 | 2.40 |
| SCOP/Energy label (average climate) | | | 4.0/A+ | 4.0/A+ | 4.0/A+ | 4.0/A+ |
| SCOP/Energy label (warmer climate) | | | 5.1/A+++ | 5.1/A+++ | 5.1/A+++ | 4.8/A++ |
| Operating limits | °C | | -15~30° Dry bulb | | | |
| Power at -7°C | kW | | 2.29 | 2.39 | 3.68 | 4.25 |
| Power at -10°C | kW | | 2.03 | 2.04 | 3.40 | 3.89 |
| Power at -15°C | kW | | 1.63 | 1.64 | 2.72 | 3.11 |
| INDOOR UNIT | | | | | | |
| Sound pressure level at 1 m (VL/LS/MS/HS) | dB(A) | 21/26/30/40 | 21/25/32/38.5 | 21/25/34.5/40.5 | 20/26/36/42.5 | 36/40.5/45 |
| Sound level | dB(A) | 54 | 54 | 55 | 56 | 59 |
| Airflow (LS/MS/HS) | m³/h | 325/360/460 | 325/360/466 | 325/430/540 | 540/680/840 | 662/817/980 |
| Dehumidification | l/h | 0.7 | 0.9 | 1.2 | 1.8 | 2.4 |
| Outline dimensions (WxHxD) | mm | 805x285x194 | 805x285x194 | 805x285x194 | 957x302x213 | 1040x327x220 |
| Package dimensions (WxHxD) | mm | 870x365x270 | 870x365x270 | 870x365x270 | 1035x385x295 | 1120x315x405 |
| Net weight/Gross weight | kg | 7.5/9.8 | 7.5/9.8 | 7.6/9.9 | 10.0/12.1 | 12.3/15.8 |

| OUTDOOR UNIT | | - | YDAA-025H-09M25 | YDAA-035H-09M25 | YDAA-050H-09M25 | YDAA-070H-09M25 |
|-----------------------------|-------|---|-----------------|-----------------|-----------------|-----------------|
| Part number | | - | 7SP063160 | 7SP063161 | 7SP063162 | 7SP063163 |
| Sound pressure level at 1 m | dB(A) | | 51 | 52 | 52 | 56 |
| Sound level | dB(A) | | 62 | 63 | 63 | 67 |
| Airflow | m³/h | | 1750 | 1800 | 2100 | 3500 |
| Compressor type | | | Rotary | Rotary | Rotary | Rotary |
| Outline dimensions (WxHxD) | mm | | 720x495x270 | 720x495x270 | 805x554x330 | 890x673x342 |
| Package dimensions (WxHxD) | mm | | 835x540x300 | 835x540x300 | 915x615x370 | 995x740x398 |
| Net weight/Gross weight | kg | | 23.2/25 | 23.2/25.2 | 32.7/35.5 | 42.9/45.7 |

| POWER SUPPLY | | | | | | |
|---------------------------------|-----|------------------|------------------|------------------|------------------|------------------|
| Phase/Voltage/Frequency | | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz |
| Power supply side | | | Outdoor | Outdoor | Outdoor | Outdoor |
| Power cable section | mm² | | 3x1.5 | 3x1.5 | 3x1.5 | 3x2.5 |
| Fuse rating am (D curve) | A | | 10 | 10 | 16 | 20 |
| Shielded electrical connections | mm² | | 1.5x5 | 1.5x5 | 1.5x5 | 2.5x5 |

| PIPE LINE | | | | | | |
|-----------------------|--------|------|---------|---------|---------|---------|
| Suction pipe diameter | inches | 3/8" | 3/8" | 3/8" | 1/2" | 5/8" |
| Liquid pipe diameter | inches | 1/4" | 1/4" | 1/4" | 1/4" | 3/8" |
| Max. length | m | | 25 | 25 | 30 | 50 |
| Max. height | m | | 10 | 10 | 20 | 25 |
| Refrigerant/GWP | | | R32/675 | R32/675 | R32/675 | R32/675 |
| Charge (5 m) | kg | | 0.55 | 0.55 | 1.08 | 1.42 |
| Additional charge | g/m | | 12 | 12 | 12 | 24 |

MATCHING

| INDOOR UNIT | COMPATIBLE WITH OUTDOOR UNIT | | |
|---|---|---|--|
| | MONOSPLIT | MULTISPLIT | |
| <div style="background-color: #ccc; padding: 5px; border: 1px solid #0070c0;">  <p>HDLA</p> </div> | <div style="background-color: #ccc; padding: 5px; border: 1px solid #0070c0;">  <p>YDAA</p> </div> | <div style="background-color: #ccc; padding: 5px; border: 1px solid #0070c0;">  <p>ZDAA</p> </div> | <div style="background-color: #ccc; padding: 5px; border: 1px solid #0070c0;">  <p>YDZC</p> </div> |



DC Inverter
Reversible



+ PRODUCTS

- Remote control included
- Design
- Quiet
- Comfort

FEATURES

TECHNOLOGY



GOLDEN FIN
TREATMENT

USER FUNCTIONS



I FEEL



NIGHT MODE



SUPER
QUIET



24 H
PROGRAMMABLE
TIMER



RESTART
(MEMORY)



REMOTE CONTROL
LOCK

INSTALLER FUNCTIONS



ERROR CODE VIA
INDOOR UNIT



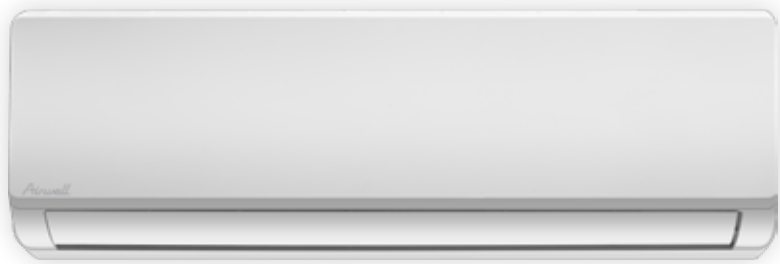
SELF DIAGNOSTIC



LEFT/RIGHT DRAIN
CONNECTION

HDLS

High wall



Remote control
included

+ “SUSTAINABLE DEVELOPMENT”

> Energy label A+ in cooling mode and A in heating mode, guaranteeing energy savings.

+ “USER”

> A design that blends in with any type of interior.
> Low noise level to be installed in living rooms (office, bedroom...).

+ “TECHNOLOGY”

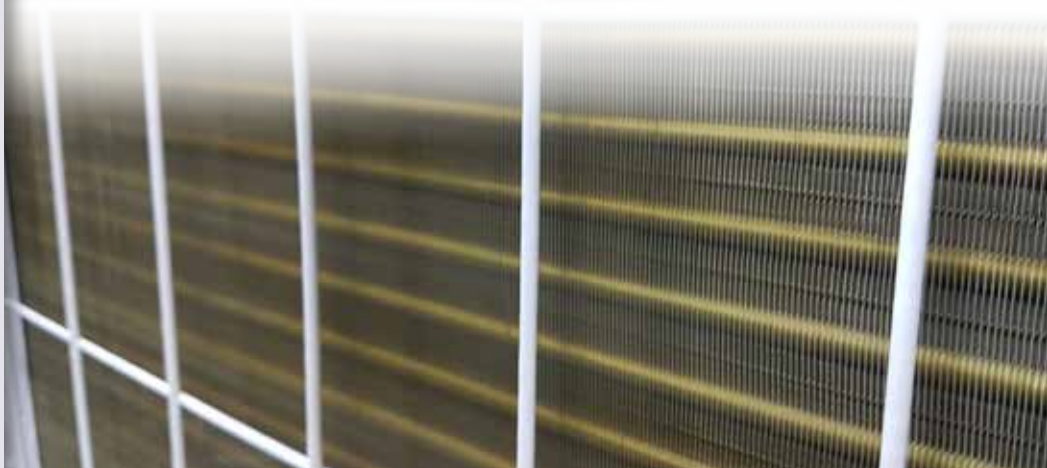
> Digital display for easy reading of information (temperature, modes).
> Automatic mode for a constant ideal temperature.
> Room sensor integrated in the remote control for a better comfort (“I Feel” solution).
> Automatic restart in case of power failure.

OPTIONS

| ACCESSORY | PART NUMBER | PICTURE | FUNCTION |
|----------------------------|-------------|---------|--|
| Pipe line 1/4"-3/8" - 3 ml | 7ACFH0880 | | • Refrigerant tubing to connect outdoor unit with indoor unit. |
| Pipe line 1/4"-1/2" - 3 ml | 7ACFH0881 | | |
| Pipe line 1/4"-5/8" - 3 ml | 7ACFH0882 | | |

Golden Fin:

ANTI-CORROSION PROTECTION ON THE COIL



TECHNICAL DATA

| INDOOR UNIT | | HDLS-025N-01M25 | HDLS-035N-01M25 | HDLS-050N-01M25 | HDLS-070N-01M25 |
|-------------|--|-----------------|-----------------|-----------------|-----------------|
| Part number | | 7SP023255 | 7SP023256 | 7SP023257 | 7SP023258 |
| Phase | | Single-phase | Single-phase | Single-phase | Single-phase |

COOLING

| Rated power | kW | 2.64 (0.82~3.37) | 3.52 (1.00~3.81) | 5.28 (1.30~5.86) | 7.03 (1.50~7.50) |
|-------------------------------------|----|------------------|------------------|------------------|------------------|
| Rated power input | kW | 0.82 (0.24~1.25) | 1.10 (0.30~1.98) | 1.64 (4.20~2.50) | 2.19 (0.53~2.90) |
| EER/Energy label | | 3.2/A | 3.2/A | 3.2/A | 3.2/A |
| SEER/Energy label (average climate) | | 5.6/A+ | 5.6/A+ | 5.6/A+ | 5.6/A+ |
| Operating limits | °C | 0/53° Dry bulb | | | |

HEATING

| Rated power | kW | 2.78 (0.94~3.66) | 3.66 (1.02~3.96) | 5.42 (1.30~6.30) | 7.18 (1.50~7.90) |
|-------------------------------------|----|------------------|------------------|------------------|------------------|
| Rated power input | kW | 0.77 (0.24~0.14) | 1.01 (0.30~1.98) | 1.50 (0.42~2.50) | 1.99 (0.53~2.80) |
| COP/Energy label | | 3.6/A | 3.6/A | 3.6/A | 3.6/A |
| SCOP/Energy label (average climate) | | 3.8/A | 3.8/A | 3.8/A | 3.8/A |
| Operating limits | °C | -15/30° Dry bulb | | | |

INDOOR UNIT

| | | | | | |
|---|-------|-----------------|-----------------|-----------------|------------------|
| Sound pressure level at 1 m (VL/LS/MS/HS) | dB(A) | 24/27/35/38 | 24/27/37/39 | 30/35/41/44 | 32/38/44/46 |
| Sound level (VL/LS/MS/HS) | dB(A) | 34/37/40/50 | 34/37/40/50 | 40/45/51/54 | 37/44/46/57 |
| Airflow (VL/LS/MS/HS) | m³/h | 260/330/390/430 | 370/410/480/500 | 540/670/790/850 | 650/770/950/1000 |
| Dehumidification | l/h | 1 | 1.2 | 1.5 | 1.8 |
| Outline dimensions (WxHxD) | mm | 698x255x190 | 777x250x201 | 910x294x206 | 1010x315x220 |
| Package dimensions (WxHxD) | mm | 764x325x257 | 850x320x275 | 979x372x277 | 1096x390x297 |
| Net weight/Gross weight | kg | 6.5/8.5 | 7.5/9.5 | 10/13 | 13/16 |

| OUTDOOR UNIT | | YDAS-025H-01M25 | YDAS-035H-01M25 | YDAS-050H-01M25 | YDAS-070H-01M25 |
|-----------------------------|-------|-----------------|-----------------|-----------------|-----------------|
| Part number | | 7SP063165 | 7SP063166 | 7SP063167 | 7SP063168 |
| Sound pressure level at 1 m | dB(A) | 48 | 49 | 52 | 53 |
| Sound level | dB(A) | 60 | 60 | 65 | 65 |
| Compressor type | | Rotary | Rotary | Rotary | Rotary |
| Airflow | m³/h | 1800 | 1800 | 2600 | 3000 |
| Outline dimensions (WxHxD) | mm | 712x459x276 | 712x459x276 | 853x602x349 | 853x602x349 |
| Package dimensions (WxHxD) | mm | 765x481x310 | 765x481x310 | 890x628x385 | 890x628x385 |
| Net weight/Gross weight | kg | 20.5/23 | 21/23.5 | 29/32 | 33/36 |

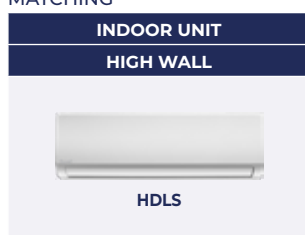
POWER SUPPLY

| | | | | | |
|--------------------------|-----|-------------------|-------------------|-------------------|-------------------|
| Phase/Voltage/Frequency | | 1Ph/220-240V/50Hz | 1Ph/220-240V/50Hz | 1Ph/220-240V/50Hz | 1Ph/220-240V/50Hz |
| Power supply side | | Indoor | Indoor | Indoor | Outdoor |
| Power cable section | mm² | 3x1.0 | 3x1.0 | 3x1.5 | 3x1.5 |
| Fuse rating am (D curve) | A | 16 | 16 | 16 | 25 |
| Electrical connections | mm² | 4x1 | 4x1 | 4x1 | 4x1 |

PIPE LINE

| | | | | | |
|-----------------------|--------|------------|------------|------------|------------|
| Suction pipe diameter | inches | 3/8" | 3/8" | 3/8" | 1/2" |
| Liquid pipe diameter | inches | 1/4" | 1/4" | 1/4" | 1/4" |
| Max. length | m | 25 | 25 | 25 | 25 |
| Max. height | m | 10 | 10 | 10 | 10 |
| Refrigerant/GWP | | R410A/2088 | R410A/2088 | R410A/2088 | R410A/2088 |
| Charge (5 m) | kg | 0.48 | 0.57 | 1.06 | 1.37 |
| Additional charge | g/m | 20 | 20 | 30 | 30 |

MATCHING





Fixed speed
Reversible



HFLS

High wall



Remote control included

+ PRODUCT

- Remote control included
- Dry contact on/off integrated
- "I Feel" comfort
- Discreet digital display
- Golden Fin treatment on the coil

FEATURES

TECHNOLOGY



GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN



AUTO CLEAN/DRY

USER FUNCTIONS



PROGRAMMABLE TIMER



I FEEL



NIGHT MODE



REMOTE CONTROL LOCK



REFRIGERANT LEAKAGE DETECT



RESTART

AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS



ERROR CODE VIA INDOOR UNIT



LEFT/RIGHT DRAIN CONNECTION



DRY CONTACT ON/OFF

+ "SUSTAINABLE DEVELOPMENT"

- > High energy class A.

+ "USER"

- > A contemporary design that fits into any type of interior.
- > Automatic mode to have a constant ideal temperature.

+ "INSTALLER"

- > Condensate drain to the right or left for ease of installation in the room.
- > Connection to a detection accessory (room card, presence detection, window detection, etc.) for energy savings.

+ "TECHNOLOGY"

- > Room sensor built into the remote control for better comfort ("I Feel" mode).
- > Golden Fin treatment on the heat exchangers (external and internal) for protection against corrosion and durability over time.

OPTIONS

| ACCESSORY | PART NUMBER | PICTURE | FUNCTION |
|----------------------------|-------------|---------|--|
| Pipe line 1/4"-3/8" - 3 ml | 7ACFH0880 | | • Refrigerant tubing to connect outdoor unit with indoor unit. |
| Pipe line 1/4"-1/2" - 3 ml | 7ACFH0881 | | |
| Pipe line 1/4"-5/8" - 3 ml | 7ACFH0882 | | |
| Wired remote control | 7ACELI912 | | |



TECHNICAL DATA

| INDOOR UNIT | | HFLS-022N-01M25 | HFLS-025N-01M25 | HFLS-035N-01M25 | HFLS-050N-01M25 | HFLS-070N-01M25 |
|-------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| Part number | | 7SP023285 | 7SP023286 | 7SP023287 | 7SP023288 | 7SP023289 |
| Phase | | Single-phase | Single-phase | Single-phase | Single-phase | Single-phase |

COOLING

| Rated power | W | 2050 | 2490 | 3230 | 4990 | 6450 |
|-------------------|----|-------------------|--------|--------|--------|--------|
| Rated power input | W | 639 | 775 | 1005 | 1554 | 2005 |
| EER/Energy label | | 3.21/A | 3.21/A | 3.21/A | 3.21/A | 3.21/A |
| Operating limits | °C | 18°~43°C Dry bulb | | | | |

HEATING

| Rated power | W | 2200 | 2640 | 3370 | 5422 | 6740 |
|-------------------|----|-------------------|--------|--------|--------|--------|
| Rated power input | W | 609 | 730 | 934 | 1420 | 1865 |
| COP/Energy label | | 3.61/A | 3.61/A | 3.61/A | 3.61/A | 3.61/A |
| Operating limits | °C | -7°~24°C Dry bulb | | | | |

INDOOR UNIT

| | | | | | | |
|---|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Sound pressure level at 1 m (VL/LS/MS/HS/VHS) | dB(A) | 25/27/29/32/34 | 25/27/29/33/35 | 31/34/37/40/42 | 33/35/38/40/43 | 35/37/38/41/43 |
| Airflow (VL/LS/MS/HS/VHS) | m ³ /h | 330/360/390/410/430 | 330/360/390/410/430 | 440/470/500/530/550 | 550/640/720/750/800 | 550/600/680/760/850 |
| Dehumidification | l/h | 0.8 | 1 | 1.2 | 1.8 | 2.2 |
| Outline dimensions (WxHxD) | mm | 698x255x190 | 698x255x190 | 777x250x201 | 910x294x206 | 910x294x206 |
| Package dimensions (WxHxD) | mm | 764x325x257 | 764x325x257 | 850x320x275 | 979x372x277 | 979x372x277 |
| Net weight/Gross weight | kg | 6.5/8.5 | 6.5/8.5 | 7.5/9.5 | 10/13 | 10/13 |

| OUTDOOR UNIT | | YFAS-022R-01M25 | YFAS-025R-01M25 | YFAS-035R-01M25 | YFAS-050R-01M25 | YFAS-070R-01M25 |
|-----------------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Part number | | 7SP063190 | 7SP063191 | 7SP063192 | 7SP063193 | 7SP063194 |
| Sound pressure level at 1 m | dB(A) | 48 | 48 | 50 | 55 | 55 |
| Sound level | dB(A) | 59 | 60 | 62 | 65 | 67 |
| Airflow | m ³ /h | 1600 | 1600 | 1900 | 2600 | 2800 |
| Compressor type | | Rotary | Rotary | Rotary | Rotary | Rotary |
| Outline dimensions (WxHxD) | mm | 712x459x276 | 712x459x276 | 777x498x290 | 795x549x305 | 886x605x357 |
| Package dimensions (WxHxD) | mm | 765x481x310 | 765x481x310 | 818x520x325 | 890x628x385 | 930x380x635 |
| Net weight/Gross weight | kg | 20/23 | 23/25 | 25/28 | 33/34 | 43/46 |

POWER SUPPLY

| | | | | | | |
|--------------------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Phase/Voltage/Frequency | | 1Ph/220-240V~50Hz | 1Ph/220-240V~50Hz | 1Ph/220-240V~50Hz | 1Ph/220-240V~50Hz | 1Ph/220-240V~50Hz |
| Power supply side | | Indoor | Indoor | Indoor | Indoor | Indoor |
| Power cable section | mm ² | 3x1.5 | 3x1.5 | 3x1.5 | 3x1.5 | 3x2.5 |
| Fuse rating am (D curve) | A | 10 | 16 | 16 | 16 | 25 |
| Electrical connections | mm ² | 5x1.5 | 5x1.5 | 5x1.5 | 5x1.5 | 5x2.5 |

PIPE LINE

| | | | | | | |
|-----------------------|--------|------------|------------|------------|------------|------------|
| Suction pipe diameter | inches | 3/8" | 3/8" | 3/8" | 1/2" | 5/8" |
| Liquid pipe diameter | inches | 1/4" | 1/4" | 1/4" | 1/4" | 1/4" |
| Max. length | m | 15 | 15 | 15 | 15 | 15 |
| Max. height | m | 5 | 5 | 5 | 5 | 5 |
| Refrigerant/GWP | | R410A/2088 | R410A/2088 | R410A/2088 | R410A/2088 | R410A/2088 |
| Charge (5 m) | kg | 0.41 | 0.43 | 0.57 | 1.25 | 1.4 |
| Additional charge | g/m | 20 | 20 | 20 | 30 | 30 |

MATCHING





CASSETTE

Range



| MODEL | REFERENCE | REFRI-GERANT TYPE | 0,75 | 1 | 1,5 | 2,5 | 3 | 4 | 5 | HP kBTU/h kW |
|---|-----------|-------------------|--------|----------|-----------|---------|---------|----------|----------|--------------------|
| | | | 7 2 | 9 2,5 | 12 3,5 | 18 5 | 24 7 | 36 10 | 48 14 | |
| <p>p.22</p>  <p>CASSETTE DC INVERTER 360° cassette</p> | CDMX | R32 | ● | ● | ● | ● | ● | ● | ● | |
| | | | 60x60 | 60x60 | 60x60 | 60x60 | 90x90 | 90x90 | 90x90 | |
| <p>p.24</p>  <p>CASSETTE FIXED SPEED 360° cassette</p> | CFMD | R410A | | | ● | ● | ● | ● | ● | |
| | | | | | 60x60 | 60x60 | 90x90 | 90x90 | 90x90 | |



DC Inverter
Reversible

CDMX

360° cassette

RC18
included



CDMX 022N-025N-
035N-050N



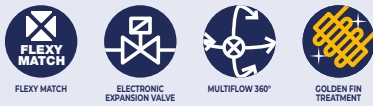
CDMX 070N-100N-140N

+ PRODUCT

- RC18 remote control included (see page 86)
- Compact design
- 360° airflow
- Compatible with YDZC and ZDAA multisplits

FEATURES

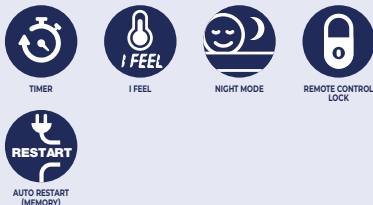
TECHNOLOGY



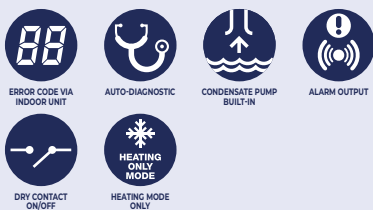
AIR QUALITY/CLEAN



USER FUNCTIONS



INSTALLER FUNCTIONS



CERTIFICATION

- AIRWELL participates in the ECP programme for AC1. Check ongoing validity of certificate: www.eurovent-certification.com



+ “SUSTAINABLE DEVELOPMENT”

- > Energy label A++ in cooling mode and A+ in heating mode, guaranteeing energy savings.

+ “USER”

- > Design with a front panel that fits perfectly into false ceiling.
- > 360° air distribution in the room for a uniform temperature.

+ “INSTALLER”

- > Compact size ideal for low ceiling installations.
- > Parameter display on the indoor unit for quick reading.
- > Unit with pre-drilled holes for fresh air supply or blowing into a small room.
- > Maximum piping length up to 75m adapted to complex and remote installation.

+ “TECHNOLOGY”

- > On/Off contact included associated with a “room card” or other solution (not supplied) for better control and for energy savings.
- > Alarm contact (synthesis fault) included.
- > Room sensor built into the remote control for better comfort (“I Feel” mode by pressing the TURBO button on the remote control for 7 s).
- > Condensate pump included for automatic discharge.
- > Electronic expansion valve for better operating precision.
- > Golden Fin treatment on the heat exchangers (external and internal) for protection against corrosion and durability over time.
- > Wide operating range of -15° to 50°C in cooling mode and -15° to 24°C in heating mode.



OPTIONS

| ACCESSORY | PART NUMBER | PICTURE | FUNCTION |
|---|-------------|---------|---|
| Wired remote control RCW11 (see page 134) | 7ACEL1774 | | • Weekly timer, mode, fan speed, On/Off timer, “I Feel” function, temperature. |
| Wired remote control RCW26 (see page 136) | 7ACEL1876 | | • Controls until 16 indoor units. |
| LCAC Wi-Fi accessory | 7ACEL1883 | | • Accessory for remote control via Wi-Fi. (compatible with CDMX-022N,025N,035N and 050N). |
| | 7ACEL1900 | | • Accessory for remote control via Wi-Fi. (compatible with CDMX-070N-100N-140N). |

TECHNICAL DATA

MULTISPLIT CONFIGURATION ONLY

NEW

| INDOOR UNIT | | CDMX-022N-09M25 | CDMX-025N-09M25 | CDMX-035N-09M25 | CDMX-050N-09M25 | CDMX-070N-09M25 | CDMX-100N-09M25 | CDMX-100N-09M25 | CDMX-140N-09M25* |
|-------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| Part number | | 7SP042289 | 7SP042290 | 7SP042291 | 7SP042292 | 7SP042293 | 7SP042294 | 7SP042294 | 7SP042295 |
| Phase | | Single-phase | Single-phase | Single-phase | Single-phase | Single-phase | Single-phase | Three-phase | Three-phase |

| COOLING | | | | | | | | | | |
|-------------------------|----|--------------------|----------------|------------------|------------------|------------------|--------------------|--------------------|--------------------|--|
| Rated power (min./max.) | kW | 2.05 (0.63~2.61) | 2.60 (0.8~3.3) | 3.52 (0.85~4.11) | 5.28 (2.90~5.59) | 7.03 (3.30~7.91) | 10.55 (2.70~11.43) | 10.55 (2.70~11.43) | 14.07 (3.52~15.83) | |
| Pdesignc | kW | | | 3.50 | 5.30 | 7.00 | 10.50 | 10.50 | 14.00 | |
| Rated power input | kW | | | 1.01 | 1.63 | 2.32 | 3.95 | 4.00 | 4.65 | |
| SEER/Energy label | | | | 6.6/A++ | 6.3/A++ | 6.2/A++ | 6.7/A++ | 6.3/A++ | 6.1/A++ | |
| Operating limits | °C | -15°~50°C Dry bulb | | | | | | | | |

| HEATING | | | | | | | | | | |
|-------------------------------------|----|--------------------|-----------------|------------------|------------------|------------------|--------------------|--------------------|--------------------|--|
| Rated power (min./max.) | kW | 2.35 (0.69~3.0) | 2.90 (0.85~3.7) | 3.81 (0.47~4.31) | 5.57 (2.37~6.10) | 7.62 (2.81~8.94) | 11.14 (2.78~12.30) | 11.14 (2.78~12.66) | 16.12 (4.10~17.29) | |
| Pdesignh (average climate) | kW | | | 2.70 | 4.20 | 6.00 | 8.50 | 8.00 | 11.00 | |
| Pdesignh (warmer climate) | kW | | | 3.30 | 5.40 | 6.30 | 10.10 | 10.10 | 12.00 | |
| Rated power input | kW | | | 1.02 | 1.54 | 1.90 | 3.00 | 3.00 | 4.58 | |
| SCOP/Energy label (average climate) | | | | 4.1/A+ | 4.0/A+ | 4.0/A+ | 4.0/A+ | 3.9/A | 4.0/A+ | |
| SCOP/Energy label (warmer climate) | | | | 5.1/A+++ | 4.8/A++ | 5.1/A+++ | 5.1/A+++ | 5.1/A+++ | 5.0/A++ | |
| Operating limits | °C | -15°~24°C Dry bulb | | | | | | | | |
| Power at -7°C | kW | | | 2.95 | 4.10 | 5.97 | 9.13 | 8.91 | 12.50 | |
| Power at -10°C | kW | | | 2.82 | 3.91 | 5.70 | 8.71 | 8.50 | 11.93 | |
| Power at -15°C | kW | | | 2.64 | 3.67 | 5.34 | 8.16 | 7.96 | 11.17 | |

| INDOOR UNIT | | | | | | | | | | |
|--|-------|-------------|-------------|-------------|-------------|---------------|----------------|----------------|----------------|--|
| Sound pressure level at 1 m (LS/MS/HS) | dB(A) | 29/33/38 | 31/34/39 | 34/37/42 | 39/44/45 | 42/47/50 | 46/48/51 | 46/48/51 | 48/50/52 | |
| Sound level | dB(A) | 53 | 54 | 57 | 59 | 59 | 64 | 64 | 66 | |
| Airflow (LS/MS/HS) | m³/h | 400/460/500 | 400/460/500 | 420/510/590 | 479/584/680 | 992/1118/1247 | 1300/1530/1700 | 1300/1530/1700 | 1600/1750/1900 | |
| Dehumidification | l/h | 0.7 | 1.20 | 1.50 | 2.00 | 3.00 | 3.80 | 3.80 | 5.50 | |
| Outline dimensions (WxHxD) | mm | 570x260x570 | 570x260x570 | 570x260x570 | 570x260x570 | 830x205x830 | 830x245x830 | 830x245x830 | 830x287x830 | |
| Package dimensions (WxHxD) | mm | 662x317x662 | 662x317x662 | 662x317x662 | 662x317x662 | 910x250x910 | 910x290x910 | 910x290x910 | 910x330x910 | |
| Net weight/Gross weight | kg | 14.5/17.3 | 14.5/18.8 | 16.3/20.4 | 16/22.1 | 21.6/25.4 | 27.2/31.2 | 27.2/31.2 | 29.3/33.5 | |

| PANEL | | | | | | | | | | |
|----------------------------|----|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--|
| Panel dimensions (WxHxD) | mm | 647x50x647 | 647x50x647 | 647x50x647 | 647x50x647 | 950x55x950 | 950x55x950 | 950x55x950 | 950x55x950 | |
| Package dimensions (WxHxD) | mm | 715x123x715 | 715x123x715 | 715x123x715 | 715x123x715 | 1035x90x1035 | 1035x90x1035 | 1035x90x1035 | 1035x90x1035 | |
| Net weight/Gross weight | kg | 2.5/4.5 | 2.5/4.5 | 2.5/4.5 | 2.5/4.5 | 6/9 | 6/9 | 6/9 | 6/9 | |
| Panel part number | | 7ACVF0566 | 7ACVF0566 | 7ACVF0566 | 7ACVF0566 | 7ACVF0600 | 7ACVF0600 | 7ACVF0600 | 7ACVF0600 | |

| OUTDOOR UNIT | | - | - | YDAX-035H-09M25 | YDAX-050H-09M25 | YDAX-070H-09M25 | YDAX-100H-09M25 | YDAX-100H-09T35 | YDAX-140H-09T35 |
|-----------------------------|-------|---|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Part number | | - | - | 7SP063170 | 7SP063171 | 7SP063172 | 7SP063173 | 7SP063174 | 7SP063175 |
| Sound pressure level at 1 m | dB(A) | | | 51 | 54 | 58 | 59 | 59 | 63 |
| Sound level | dB(A) | | | 62 | 65 | 69 | 70 | 70 | 74 |
| Airflow | m³/h | | | 2200 | 2100 | 3500 | 4000 | 4000 | 7500 |
| Compressor type | | | | Rotary | Rotary | Rotary | Rotary | Rotary | Rotary |
| Outline dimensions (WxHxD) | mm | | | 765x555x303 | 805x554x330 | 890x673x342 | 946x810x410 | 946x810x410 | 952x1333x415 |
| Package dimensions (WxHxD) | mm | | | 887x610x337 | 915x615x370 | 995x740x398 | 1090x885x500 | 1090x885x500 | 1095x1480x495 |
| Net weight/Gross weight | kg | | | 26.6/29 | 32.5/35.3 | 43.9/46.7 | 66.9/72.1 | 75.5/85.6 | 103.7/118.3 |

| POWER SUPPLY | | | | | | | | | | |
|-------------------------------|-----|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|
| Phase/Voltage/Frequency | | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 3P/380-415V/50Hz | 3P/380-415V/50Hz | |
| Power supply side | | | | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor | |
| Power cable section | mm² | | | 3G1.5 | 3G1.5 | 3G2.5 | 3G4.0 | 5G2.5 | 5G2.5 | |
| Fuse rating am | A | | | 16 | 16 | 20 | 25 | 16 | 16 | |
| Electrical connections in/out | mm² | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 | |

| PIPE LINE | | | | | | | | | | |
|-----------------------|--------|------|------|---------|---------|---------|---------|---------|---------|--|
| Suction pipe diameter | inches | 3/8" | 3/8" | 3/8" | 1/2" | 5/8" | 5/8" | 5/8" | 5/8" | |
| Liquid pipe diameter | inches | 1/4" | 1/4" | 1/4" | 1/4" | 3/8" | 3/8" | 3/8" | 3/8" | |
| Max. length | m | | | 25 | 30 | 50 | 75 | 75 | 75 | |
| Max. height | m | | | 10 | 20 | 25 | 30 | 30 | 30 | |
| Refrigerant/GWP | | | | R32/675 | R32/675 | R32/675 | R32/675 | R32/675 | R32/675 | |
| Charge (5 m) | kg | | | 0.72 | 1.15 | 1.50 | 2.40 | 2.40 | 2.90 | |
| Additional charge | g/m | | | 12 | 12 | 24 | 24 | 24 | 24 | |

MATCHING

| INDOOR UNIT | COMPATIBLE WITH OUTDOOR UNIT | | | |
|--|------------------------------|--|--|--|
| | MONOSPLIT | | MULTISPLIT | |
| CASSETTE | | | | |
|  CDMX 022N & 025N | |  YDAX |  ZDAA |  YDZC |
|  CDMX 035N-050N-070N | |  YDAX |  ZDAA |  YDZC |

MATCHING

| INDOOR UNIT | COMPATIBLE WITH OUTDOOR UNIT | |
|--|--|--|
| | CASSETTE | MONOSPLIT |
|  CDMX 100N |  YDAX |  YDAX |
|  CDMX 140N |  YDAX |  YDAX |



Fixed speed
Reversible



CFMD Cassette



RC19
included



CFMD 035-050N



CFMD 070N-140N

+ PRODUCT

- RC19 remote control included (see page 88)
- Compact design
- Alarm output and dry contact
- Integrated condensate pump
- 360° airflow with round corners
- G1 filter included
- Auxiliary air supply and fresh air inlet

FEATURES

TECHNOLOGY



MULTIFLOW 360°



GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN



AIR FILTER



FRESH AIR

USER FUNCTIONS



TIMER



I FEEL



NIGHT MODE



REMOTE CONTROL LOCK



RESTART
AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS



ERROR CODE VIA INDOOR UNIT



SELF DIAGNOSTIC



INTEGRATED CONDENSATE PUMP



ALARM OUTPUT



DRY CONTACT ON/OFF



TEST MODE
TECHNICIAN TEST MODE

+ "USER "

- > Aesthetic appearance.
- > Uniform airflow distribution for better comfort.

+ "INSTALLER"

- > Ideal for small spaces.
- > Parameters can be read on the indoor unit.

+ "TECHNOLOGY"

- > High corrosion resistance with the Golden Fin.



360° airflow,
WITH ROUND CORNERS

OPTIONS

| ACCESSORY | PART NUMBER | PICTURE | FUNCTION |
|---------------------------|-------------|---------|---|
| Wired single control RCW6 | 7ACEL1704 | | • Mode, fan speed, real time, timer, temperature, weekly timer and swing. |
| Wired single control RCW8 | 7ACEL1706 | | • Mode, fan speed, timer On/Off, temperature and swing. |
| Central controller RCW16 | 7ACEL1707 | | • Controls up to 64 indoor units with individual setting failure codes indication, On/Off dry contact, last operation memory, ModBus. |

TECHNICAL DATA

CFMD

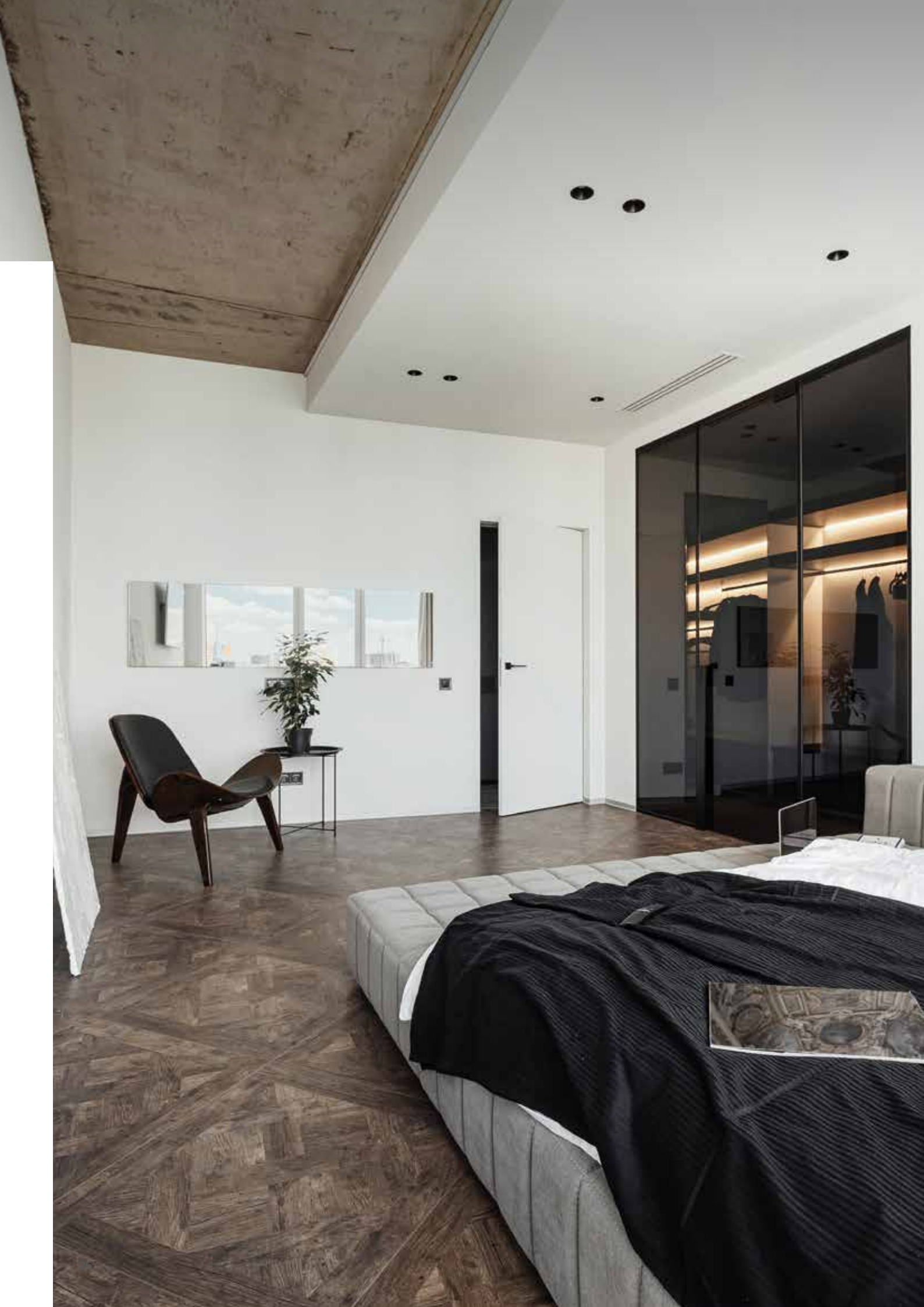
Cassette

| INDOOR UNIT | | CFMD-035N-01M25 | CFMD-050N-01M25 | CFMD-070N-01M25 | CFMD-100N-01M25 | CFMD-140N-01M25 |
|--|-------|------------------|-----------------|-----------------|-----------------|-----------------|
| Part number | | 7SP042300 | 7SP042301 | 7SP042302 | 7SP042303 | 7SP042304 |
| Phase | | Single-phase | Single-phase | Single-phase | Three-phase | Three-phase |
| COOLING | | | | | | |
| Rated power | kW | 3.52 | 5.28 | 7.03 | 10.55 | 14.07 |
| Rated power input | kW | 1.1 | 1.92 | 2.600 | 3.6 | 5.19 |
| EER/Energy label | | 3.21/A | 2.75/D | 2.71/D | 2.93/C | 2.71/D |
| Operating limits | °C | 18°~43° Dry bulb | | | | |
| HEATING | | | | | | |
| Rated power | kW | 3.81 | 5.57 | 7.62 | 11.14 | 15.24 |
| Rated power input | kW | 1.18 | 1.7 | 2.2 | 3.6 | 4.76 |
| COP/Energy label | | 3.23/C | 3.28/C | 3.46/B | 3.09/D | 3.20/D |
| Operating limits | °C | -7°~24° Dry bulb | | | | |
| INDOOR UNIT | | | | | | |
| Sound pressure level at 1 m (LS/MS/HS) | dB(A) | 33/36/41 | 38/42/45 | 37.5/40/45.5 | 45/48/52 | 50/52/54 |
| Airflow (LS/MS/HS) | m³/h | 388/477/612 | 470/570/730 | 820/1000/1300 | 1400/1660/1960 | 1620/1780/1916 |
| Dehumidification | l/h | 1.2 | 1.8 | 2.4 | 3.6 | 4.8 |
| Outline dimensions (WxHxD) | mm | 570x260x570 | 570x260x570 | 830x205x830 | 830x245x830 | 830x245x830 |
| Package dimensions (WxHxD) | mm | 662x317x662 | 662x317x662 | 910x250x910 | 950x250x910 | 910x250x910 |
| Net weight/Gross weight | kg | 15/17.8 | 16.4/19.4 | 22.2/26.2 | 26.1/30.0 | 28.3/32.3 |
| PANEL | | | | | | |
| Outline dimensions (WxHxD) | mm | 647x50x647 | 647x50x647 | 950x55x950 | 950x55x950 | 950x55x950 |
| Package dimensions (WxHxD) | mm | 715x123x715 | 715x123x715 | 1035x90x1035 | 1035x90x1035 | 1035x90x1035 |
| Net weight/Gross weight | kg | 2.5/4.5 | 2.5/4.5 | 06-sept | 06-sept | 06-sept |
| Panel part number | | 7ACVF0566 | 7ACVF0566 | 7ACVF0600 | 7ACVF0600 | 7ACVF0600 |

| OUTDOOR UNIT | | YFAD-035R-01M25 | YFAD-050R-01M25 | YFAD-070R-01M25 | YFAD-100R-01T35 | YFAD-140R-01T35 |
|-----------------------------|--------|----------------------|----------------------|---------------------|------------------|------------------|
| Part number | | 7SP063180 | 7SP063181 | 7SP063182 | 7SP063184 | 7SP063185 |
| Sound pressure level at 1 m | dB(A) | 55 | 58.5 | 60 | 62.5 | 62 |
| Airflow | m³/h | 2500 | 2500 | 3650 | 3800 | 6000 |
| Compressor type | | Rotary | Rotary | Rotary | Rotary | Scroll |
| Outline dimensions (WxHxD) | mm | 805x554x330 | 805x554x330 | 890x673x342 | 946x810x410 | 900x1170x350 |
| Package dimensions (WxHxD) | mm | 915x615x370 | 915x615x370 | 995x740x398 | 1090x885x500 | 1032x1307x443 |
| Net weight/Gross weight | kg | 32.3/34.9 | 37.8/40.4 | 52.9/55.9 | 73.0/77.5 | 98.6/109.3 |
| POWER SUPPLY | | | | | | |
| Phase/Voltage/Frequency | | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 3P/380-415V/50Hz | 3P/380-415V/50Hz |
| Power supply side | | Indoor | Indoor | Indoor | Outdoor | Indoor |
| Power cable section | mm² | 3x1.5 | 3x2.5 | 3x2.5 | 5x2.5 | 5x2.5 |
| Fuse rating am (D curve) | A | 16 | 16 | 32 | 25 | 32 |
| Electrical connections | mm² | 3x2.5 + 2x1 + 2x0.75 | 3x2.5 + 2x1 + 2x0.75 | 3x2.5 + 3x1 + 2x0.5 | 3x1.5 + 3x1 | 5x2.5 + 3x1 |
| PIPE LINE | | | | | | |
| Suction pipe diameter | inches | 1/2" | 1/2" | 5/8" | 3/4" | 3/4" |
| Liquid pipe diameter | inches | 1/4" | 1/4" | 3/8" | 3/8" | 3/8" |
| Max. length | m | 15 | 25 | 25 | 30 | 50 |
| Max. height | m | 8 | 15 | 15 | 20 | 30 |
| Refrigerant/GWP | | R410A/2088 | R410A/2088 | R410A/2088 | R410A/2088 | R410A/2088 |
| Charge (5 m) | kg | 0.85 | 1.3 | 2.0 | 2.85 | 3.3 |
| Additional charge | g/m | 15 | 15 | 30 | 30 | 30 |

MATCHING



| INDOOR UNIT | COMPATIBLE WITH OUTDOOR UNIT |
|--|--|
| CASSETTE | MONOSPLIT |
|  CFMD 035N & 050N |  YFAD |
|  CFMD 070N-100N |  YFAD |
|  CFMD 140N |  YFAD |



DUCTED

Range



| MODEL | REFERENCE | REFRI- GERANT TYPE | 0,75 | 1,5 | 2,5 | 3 | 4 | 5 | 6,5 | HP kBTU/h kW |
|---|-----------|--------------------------|--------|-----------|---------|---------|----------|----------|----------|--------------------|
| | | | 7 2 | 12 3,5 | 18 5 | 24 7 | 36 10 | 48 14 | 60 17 | |
| <p>p.28</p>  <p>DDMX R32</p> <p>MEDIUM-PRESSURE DUCTED DC INVERTER</p> <p><i>Designed to fit into tight false ceiling</i></p> | | | • | • | • | • | • | • | • | |
| | | | | | | | | | | |
| <p>p.30</p>  <p>DFMD R410A</p> <p>MEDIUM-PRESSURE DUCTED FIXED SPEED</p> <p><i>Designed to fit into tight false ceiling</i></p> | | | | | • | • | • | • | • | |
| | | | | | | | | | | |



DC Inverter
Reversible



+ PRODUCT

- RCW11 remote control included (see page 90)
- Discreet
- Compact
- Performance
- Compatible with YDZC and ZDAA multisplits
- Airzone compatible

FEATURES

TECHNOLOGY



AIR QUALITY/CLEAN



USER FUNCTIONS



CERTIFICATION

- AIRWELL participates in the ECP programme for AC1. Check ongoing validity of certificate: www.eurovent-certification.com



- Models marked * are not Eurovent certified

DDMX

Medium-pressure ducted



DDMX 022N-035N



RCW11 included



DDMX 050N-175N



+ "SUSTAINABLE DEVELOPMENT"

- > Energy label A++ in cooling mode and A+ in heating mode, guaranteeing energy savings.

+ "USER"

- > Invisible solution that can adapt to all types of interiors.
- > Wide range adapted to your needs.
- > Quiet due to its installation in a false ceiling.

+ "INSTALLER"

- > Compact design, ideal for tight spaces.
- > Static pressure (160 Pa) suitable for long duct lengths.
- > Unit with pre-drilled holes for fresh air supply to the room.
- > Maximum piping length up to 75m adapted to complex and remote installation.

+ "TECHNOLOGY"

- > On/Off contact included associated with a "room card" or other solution (not supplied) for better control and for energy savings.
- > Alarm contact (synthesis fault) included.
- > Room sensor built into the remote control for better comfort ("I Feel" mode by pressing the TURBO button on the remote control for 7 s).
- > Condensate pump included for automatic discharge.
- > Golden Fin treatment on the heat exchangers (external and internal) for protection against corrosion and durability over time.
- > Wide operating range of -15° to 50°C in cooling mode and -15° to 24°C in heating mode.

OPTIONS

| ACCESSORY | PART NUMBER | PICTURE | FUNCTION |
|---|-------------|---------|--|
| Wireless controller RC18 (see page 130) | 7ACEL1898 | | • Fan speed mode, On/Off timer, "I Feel" function, technician test mode. |
| Wired remote control RCW26 (see page 136) | 7ACEL1876 | | • Controls until 16 indoor units. |
| LCAC Wi-Fi accessory | 7ACEL1883 | | • Accessory for remote control via Wi-Fi. |
| Insulated air duct plenum | 7ACVF0136 | | • 3 ducts DN160. For DDMX 50. |
| | 7ACVF0137 | | • 3 ducts DN160. For DDMX 70. |
| | 7ACVF0138 | | • 3 ducts DN160. For DDMX 90-100. |
| | 7ACVF0139 | | • 3 ducts DN160. For DDMX 140-175. |

TECHNICAL DATA

MULTISPLIT
CONFIGURATION
ONLY

| INDOOR UNIT | NEW | | | | NEW | | | | | |
|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|--|
| | DDMX-022N-09M25 | DDMX-035N-09M25 | DDMX-050N-09M25 | DDMX-070N-09M25 | DDMX-090N-09M25 | DDMX-100N-09M25 | DDMX-100N-09M25 | DDMX-140N-09M25* | DDMX-175N-09M25* | |
| Part number | 7SP033069 | 7SP033070 | 7SP033071 | 7SP033072 | 7SP033076 | 7SP033073 | 7SP033073 | 7SP033074 | 7SP033075 | |
| Phase | Single-phase | Single-phase | Single-phase | Single-phase | Single-phase | Single-phase | Three-phase | Three-phase | Three-phase | |

DDMX

COOLING

| Rated power (min./max.) | kW | 2.05 (0.31~2.33) | 3.52 (0.53~3.99) | 5.28 (2.55~5.86) | 7.03 (3.28~8.16) | 8.79 (2.23~9.85) | 10.55 (2.75~11.14) | 10.55 (2.73~11.78) | 14.07 (3.52~15.53) | 15.24 (4.10~17.29) |
|-------------------------|----|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Pdesignc | kW | | 3.50 | 5.40 | 7.10 | 8.8 | 10.50 | 10.60 | 14.00 | 15.30 |
| Rated power input | kW | | 1.05 | 1.53 | 2.19 | 2.5 | 3.95 | 4.00 | 4.80 | 5.25 |
| SEER/Energy label | | | 6.3/A++ | 6.5/A++ | 6.2/A++ | 6.5/A++ | 6.2/A++ | 6.1/A++ | 6.1/A++ | 6.1/A++ |
| Operating limits | °C | | -15°~50°C Dry bulb | | | | | | | |

HEATING

| Rated power (min./max.) | kW | 2.34 (0.62~2.70) | 3.81 (1.00~4.39) | 5.57 (2.20~6.15) | 7.62 (2.81~8.49) | 9.38 (2.70~10.02) | 11.72 (2.78~12.78) | 11.72 (2.78~12.84) | 16.12 (4.10~18.17) | 18.17 (4.40~20.52) |
|-------------------------------------|----|---------------------|---------------------|---------------------|---------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Pdesignh (average climate) | kW | | 2.70 | 4.30 | 5.40 | 8 | 8.40 | 8.80 | 8.80 | 12.50 |
| Pdesignh (warmer climate) | kW | | 3.40 | 5.20 | 6.00 | 8.20 | 9.80 | 10.00 | 11.50 | 12.80 |
| Rated power input | kW | | 1.04 | 1.51 | 1.90 | 2.25 | 3.25 | 3.25 | 4.50 | 5.15 |
| SCOP/Energy label (average climate) | | | 4.0/A+ | 4.0/A+ | 4.0/A+ | 4.0/A+ | 4.0/A+ | 4.0/A+ | 4.0/A+ | 4.0/A+ |
| SCOP/Energy label (warmer climate) | | | 5.1/A+++ | 5.1/A+++ | 5.1/A+++ | 5.1/A+++ | 5.1/A+++ | 5.1/A+++ | 5.0/A++ | 5.1/A+++ |
| Operating limits | °C | | -15°~24°C Dry bulb | | | | | | | |
| Power at -7°C | kW | | 2.98 | 4.45 | 6.13 | 6.46 | 9.11 | 9.18 | 12.89 | 13.27 |
| Power at -10°C | kW | | 2.85 | 4.25 | 5.85 | 6.16 | 8.69 | 8.76 | 12.31 | 12.67 |
| Power at -15°C | kW | | 2.67 | 3.98 | 5.48 | 5.77 | 8.14 | 8.21 | 11.53 | 11.86 |

INDOOR UNIT

| | | | | | | | | | | |
|--|-------|-------------|-------------|---------------|-----------------|-----------------|----------------|----------------|----------------|----------------|
| Sound pressure level at 1 m (LS/MS/HS) | dB(A) | 23/27/34/40 | 23/29/30/34 | 23/29/30/34 | 27/37/42/40 | 40.5/46/48/50.5 | 42/46/48/49 | 42/46/48/49 | 42/47/49/50 | 47/49/52 |
| Sound level | dB(A) | 58 | 58 | 58 | 62 | 63 | 61 | 61 | 66 | 66 |
| Airflow (LS/MS/HS) | m³/h | 230/340/500 | 300/480/600 | 515.2/706/911 | 825.1/1035/1229 | 1500/1800/2100 | 1500/1800/2100 | 1500/1800/2100 | 1680/2040/2400 | 1820/2210/2600 |
| External static pressure (standard/max.) | Pa | 25/0-40 | 25/0-60 | 25/0-100 | 25/0-160 | 37/0-160 | 37/0-160 | 37/0-160 | 50/0-160 | 50/0-160 |
| Dehumidification | l/h | 0.70 | 1.20 | 1.80 | 2.40 | 3.00 | 3.60 | 3.60 | 4.80 | 5.50 |
| Outline dimensions (WxHxD) | mm | 700x200x506 | 700x200x506 | 880x210x674 | 1100x249x774 | 1360x249x774 | 1360x249x774 | 1360x249x774 | 1200x300x874 | 1200x300x874 |
| Package dimensions (WxHxD) | mm | 860x285x540 | 860x285x540 | 1070x280x725 | 1305x315x805 | 1570x300x805 | 1570x300x805 | 1570x330x805 | 1405x365x915 | 1405x365x915 |
| Net weight/Gross weight | kg | 17.8/25.2 | 17.8/25.2 | 24.4/30.4 | 32.3/39.7 | 40.5/48.3 | 40.5/48.9 | 40.5/48.9 | 47.6/56.5 | 47.4/56.8 |

OUTDOOR UNIT

| | | - | YDAX-035H-09M25 | YDAX-050H-09M25 | YDAX-070H-09M25 | YDAX-090H-09M25 | YDAX-100H-09M25 | YDAX-100H-09T35 | YDAX-140H-09T35 | YDAX-175H-09T35 |
|-----------------------------|-------|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Part number | | - | 7SP063170 | 7SP063171 | 7SP063172 | 7SP063177 | 7SP063173 | 7SP063174 | 7SP063175 | 7SP063176 |
| Sound pressure level at 1 m | dB(A) | | 51 | 54 | 57 | 59 | 59 | 59 | 63 | 63 |
| Sound level | dB(A) | | 62 | 65 | 68 | 70 | 70 | 70 | 74 | 74 |
| Airflow | m³/h | | 2200 | 2100 | 3500 | 3800 | 4000 | 4000 | 7500 | 7500 |
| Compressor type | | | Rotary | Rotary | Rotary | Rotary | Rotary | Rotary | Rotary | Rotary |
| Outline dimensions (WxHxD) | mm | | 765x555x303 | 805x554x330 | 890x673x342 | 946x810x410 | 946x810x410 | 946x810x410 | 952x1333x415 | 952x1333x415 |
| Package dimensions (WxHxD) | mm | | 887x610x337 | 915x615x370 | 995x740x398 | 1090x885x500 | 1090x885x500 | 1090x885x500 | 1095x1480x495 | 1095x1480x495 |
| Net weight/Gross weight | kg | | 26.6/29.4 | 32.5/35.3 | 43.9/46.7 | 52.8/57.3 | 66.9/72.1 | 75.5/85.6 | 103.7/118.3 | 107.0/121.2 |

POWER SUPPLY

| | | | | | | | | | | |
|-------------------------------|-----|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Phase/Voltage/Frequency | | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 3P/380-415V/50Hz | 3P/380-415V/50Hz | 3P/380-415V/50Hz |
| Power supply side | | | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor |
| Power cable section | mm² | | 3G1.5 | 3G1.5 | 3G2.5 | 3G4.0 | 3G4.0 | 5G2.5 | 5G2.5 | 5G2.5 |
| Fuse rating am | A | | 16 | 16 | 20 | 25 | 25 | 16 | 16 | 16 |
| Electrical connections in/out | mm² | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 |

PIPE LINE

| | | | | | | | | | | |
|-----------------------|--------|------|---------|---------|---------|---------|---------|---------|---------|---------|
| Suction pipe diameter | inches | 3/8" | 3/8" | 1/2" | 5/8" | 5/8" | 5/8" | 5/8" | 5/8" | 5/8" |
| Liquid pipe diameter | inches | 1/4" | 1/4" | 1/4" | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" |
| Max. length | m | | 25 | 30 | 50 | 50 | 75 | 75 | 75 | 75 |
| Max. height | m | | 10 | 20 | 25 | 25 | 30 | 30 | 30 | 30 |
| Refrigerant/GWP | | | R32/675 | R32/675 | R32/675 | R32/675 | R32/675 | R32/675 | R32/675 | R32/675 |
| Charge (5 m) | kg | | 0.72 | 1.15 | 1.50 | 2.00 | 2.40 | 2.40 | 2.90 | 3.00 |
| Additional charge | g/m | | 12 | 12 | 24 | 24 | 24 | 24 | 24 | 24 |

MATCHING

| INDOOR UNIT | COMPATIBLE WITH OUTDOOR UNIT | | | |
|--|------------------------------|--|--|--|
| | DUCTED | MONOSPLIT | MULTISPLIT | |
|  DDMX 022N | | |  ZDAA |  YDZC |
|  DDMX 035N-050N-070N | |  YDAX |  ZDAA |  YDZC |

MATCHING

| INDOOR UNIT | COMPATIBLE WITH OUTDOOR UNIT |
|---|--|
| | DUCTED |
|  DDMX 90N-100N |  YDAX |
|  DDMX 140N & 175N |  YDAX |



Fixed speed
Reversible

DFMD

Medium-pressure ducted



RCW11 included

+ PRODUCT

- RCW11 remote control included (see page 90)
- Low height (210 mm)
- Alarm output and dry contact
- Integrated condensate pump
- Fresh air supply possible
- G1 filter included
- Constant flow control

FEATURES

TECHNOLOGY



GOLDEN FIN
TREATMENT

USER FUNCTIONS



24 H
PROGRAMMABLE
TIMER



I FEEL



NIGHT MODE



REMOTE CONTROL
LOCK



RESTART

AUTO RESTART
(MEMORY)

INSTALLER FUNCTIONS



ERROR CODE VIA
INDOOR UNIT



SELF DIAGNOSTIC



INTEGRATED
CONDENSATE PUMP



ALARM OUTPUT



DRY CONTACT
ON/OFF



TEST
MODE

TECHNICIAN TEST
MODE

+ “SUSTAINABLE DEVELOPMENT”

> Invisible: blends into all types of interiors.

+ “INSTALLER”

> Adapted to all types of ducts.

+ “TECHNOLOGY”

> Golden Fin (high corrosion resistance).

> Self-adjusting static pressure.

OPTIONS

| ACCESSORY | PART NUMBER | PICTURE | FUNCTION |
|---------------------------|-------------|---------|---|
| Wired single control RCW6 | 7ACEL1704 | | • Mode, fan speed, real time, timer, temperature, weekly timer and swing. |
| Wired single control RCW8 | 7ACEL1706 | | • Mode, fan speed, timer On/Off, temperature and swing. |
| Central controller RCW16 | 7ACEL1707 | | • Controls up to 64 indoor units with individual setting failure codes indication, On/Off dry contact, last operation memory, ModBus. |

The future of air conditioning?
THE INVISIBILITY



TECHNICAL DATA

DFMD

Ducted

| INDOOR UNIT | | DFMD-050N-01M25 | DFMD-070N-01M25 | DFMD-100N-01T35 | DFMD-140N-01M25 | DFMD-160N-01M25 |
|--------------------|--|------------------|------------------|------------------|------------------|------------------|
| Part number | | 7SP033080 | 7SP033081 | 7SP033083 | 7SP033084 | 7SP033085 |
| Phase | | Single-phase | Single-phase | Three-phase | Three-phase | Three-phase |

COOLING

| Rated power | kW | 5.28 | 7.03 | 10.55 | 14.07 | 16.12 |
|--------------------|-----------|------------------|-------------|--------------|--------------|--------------|
| Rated power input | kW | 1.95 | 2.7 | 3.51 | 5.35 | 6.36 |
| EER/Energy label | | 2.71/D | 2.61/D | 3.01/B | 2.63/D | 2.53/E |
| Operating limits | °C | 18°~43° Dry bulb | | | | |

HEATING

| Rated power | kW | 5.57 | 7.62 | 11.72 | 16.12 | 17.59 |
|--------------------|-----------|------------------|-------------|--------------|--------------|--------------|
| Rated power input | kW | 1.65 | 2.23 | 3.44 | 4.82 | 5.54 |
| COP/Energy label | | 3.37/D | 3.42/B | 3.41/B | 3.35/C | 3.17/D |
| Operating limits | °C | -7°~24° Dry bulb | | | | |

INDOOR UNIT

| | | | | | | |
|---|-------|--------------|---------------|----------------|----------------|----------------|
| Sound pressure level at 1 m (LS/MS/HS) | dB(A) | 38/41/44 | 34.5/38/41 | 38/40.5/47 | 42.0/45.0/48.0 | 44.4/46.9/51.7 |
| Airflow (LS/MS/HS) | m³/h | 740/830/1020 | 950/1150/1350 | 1149/1372/1804 | 1400/1800/2150 | 1490/1850/2400 |
| External static pressure (standard/min.-max.) | Pa | 25/0-60 | 25/0-80 | 37/0-160 | 50/0-160 | 50/0-160 |
| Dehumidification | l/h | 2 | 2 | 4 | 5 | 6 |
| Outline dimensions (WxHxD) | mm | 880x210x674 | 1100x249x774 | 1100x249x774 | 1200x300x874 | 1200x300x874 |
| Package dimensions (WxHxD) | mm | 1070x280x725 | 1305x315x805 | 1305x315x805 | 1405x365x915 | 1405x365x915 |
| Net weight/Gross weight | kg | 23.4/28.8 | 32.6/39 | 32.2/39.4 | 46/54.5 | 46/54.5 |

| OUTDOOR UNIT | | YFAD-050R-01M25 | YFAD-070R-01M25 | YFAD-100R-01T35 | YFAD-140R-01T35 | YFAD-160R-01T35 |
|-----------------------------|-------|------------------|------------------|------------------|------------------|------------------|
| Part number | | 7SP063181 | 7SP063182 | 7SP063184 | 7SP063185 | 7SP063186 |
| Sound pressure level at 1 m | dB(A) | 58.5 | 60 | 62.5 | 62 | 62 |
| Airflow | m³/h | 2500 | 3650 | 3800 | 6000 | 6000 |
| Compressor type | | Rotary | Rotary | Rotary | Scroll | Scroll |
| Outline dimensions (WxHxD) | mm | 805x554x330 | 890x673x342 | 946x810x410 | 900x1170x350 | 900x1170x350 |
| Package dimensions (WxHxD) | mm | 915x615x370 | 995x740x398 | 1090x885x500 | 1032x1307x443 | 1032x1307x443 |
| Net weight/Gross weight | kg | 37.8/40.4 | 52.9/55.9 | 73.0/77.5 | 98.6/109.3 | 99.7/111.2 |

POWER SUPPLY

| | | | | | | |
|--------------------------|-----|----------------------|---------------------|------------------|------------------|------------------|
| Phase/Voltage/Frequency | | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 3P/380-415V/50Hz | 3P/380-415V/50Hz | 3P/380-415V/50Hz |
| Power supply side | | Indoor | Indoor | Outdoor | Indoor | Indoor |
| Power cable section | mm² | 3x2.5 | 3x2.5 | 5x2.5 | 5x2.5 | 5x2.5 |
| Fuse rating am (D curve) | A | 16 | 32 | 25 | 32 | 32 |
| Electrical connections | mm² | 3x2.5 + 2x1 + 2x0.75 | 3x2.5 + 3x1 + 2x0.2 | 3x1.5 + 3x1 | 5x2.5 + 3x1 | 5x2.5 + 3x1 |

PIPE LINE

| | | | | | | |
|------------------------|--------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Suction pipe diameter | inches | 1/2" | 5/8" | 3/4" | 3/4" | 3/4" |
| Liquid pipe diameter | inches | 1/4" | 3/8" | 3/8" | 3/8" | 3/8" |
| Max. length | m | 25 | 25 | 30 | 50 | 50 |
| Max. height | m | 15 | 15 | 20 | 30 | 30 |
| Refrigerant/GWP | | R410A/2088 | R410A/2088 | R410A/2088 | R410A/2088 | R410A/2088 |
| Charge (5 m) | kg | 1.3 | 2.0 | 3 | 3.3 | 3.3 |
| Additional charge | g/m | 15 | 30 | 30 | 30 | 30 |





MATCHING

| INDOOR UNIT | COMPATIBLE WITH OUTDOOR UNIT |
|---|---|
| DUCTED | MONOSPLIT |
|  DFMD 050N-070N |  YFAD |
|  DFMD 100N-160N |  YFAD |



FLOOR CEILING AND FLOOR STANDING

Ranges

| MODEL | REFERENCE | REFRI-GERANT TYPE | 2.5 18 5 | 3 24 7 | 4 36 10 | 5 48 14 | 6.5 60 17 | HP kBTU/h kW |
|---|-----------|-------------------|----------------|--------------|---------------|---------------|-----------------|--------------------|
| <p>p.34</p>  <p>FDMX</p> <p>R32</p> <p>FLOOR CEILING DC INVERTER</p> <p><i>High-range blowing</i></p> | | | • | • | • | • | • | |
| <p>p.36</p>  <p>SDMX</p> <p>R32</p> <p>FLOOR STANDING DC INVERTER</p> <p><i>Solution for high-volume halls</i></p> | | | | | | • | | |
| <p>p.38</p>  <p>FFMD</p> <p>R410A</p> <p>FLOOR CEILING FIXED SPEED</p> <p><i>High-range blowing</i></p> | | | | | • | • | • | |
| <p>p.40</p>  <p>SFMD</p> <p>R410A</p> <p>FLOOR STANDING FIXED SPEED</p> <p><i>Solution for high-volume halls</i></p> | | | | | | • | | |



DC Inverter
Reversible



FDMX

Floor ceiling



RC18
included

+ PRODUCT

- RC18 remote control included (see page 86)
- Floor or ceiling installation
- Slim
- Long distance air throw
- Compatible with YDZC and ZDAA multisplits

FEATURES

TECHNOLOGY



FLEXY MATCH



ELECTRONIC EXPANSION VALVE



GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN



ANTIBACTERIAL FILTER

USER FUNCTIONS



TIMER



I FEEL



NIGHT MODE



AUTO RESTART (MEMORY)

CERTIFICATION

- AIRWELL participates in the ECP programme for AC1. Check ongoing validity of certificate: www.eurovent-certification.com



- Models marked * are not Eurovent certified

+ “SUSTAINABLE DEVELOPMENT”

- > Energy label A++ in cooling mode and A+ in heating mode depending on model, guaranteeing energy savings.

+ “USER”

- > Discreet thanks to its small depth (235 mm).
- > Wall or ceiling installation, ideal to suit the room configuration.

+ “INSTALLER”

- > Parameter reading.
- > Air louvers optimized for blowing up to 11 m.
- > Maximum piping length up to 75m adapted to complex and remote installation.

+ “TECHNOLOGY”

- > Multi-directional air louvers for air distribution throughout the room.
- > Room sensor built into the remote control for better comfort (“I Feel” mode by pressing the TURBO button on the remote control for 7 s).
- > On/Off contact included associated with a “room card” or other solution (not supplied) for better control and for energy savings.
- > Alarm contact (synthesis fault) included.
- > Golden Fin treatment on the heat exchangers (external and internal) for protection against corrosion and durability over time.
- > Wide operating range of -15° to 50°C in cooling mode and -15° to 24°C in heating mode.



OPTIONS

| ACCESSORY | PART NUMBER | PICTURE | FUNCTION |
|---|-------------|---------|--|
| Wired remote control RCW11 (see page 134) | 7ACEL1774 | | • Weekly timer, mode, fan speed, On/Off timer, “I Feel” function, temperature. |
| Wired remote control RCW26 (see page 136) | 7ACEL1876 | | • Controls until 16 indoor units. |
| Condensate pump Mini Flowatch MF2 | 7ACTL0517 | | • Condensate evacuation from indoor units. |
| LCAC Wi-Fi accessory | 7ACEL1883 | | • Accessory for remote control via Wi-Fi. |

TECHNICAL DATA

EDMX

| INDOOR UNIT | | FDMX-050N-09M25 | FDMX-070N-09M25 | FDMX-100N-09M25 | FDMX-100N-09M25 | FDMX-140N-09M25* | FDMX-175N-09M25* |
|--|-------|---------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Part number | | 7SP012300 | 7SP012301 | 7SP012302 | 7SP012302 | 7SP012303 | 7SP012304 |
| Phase | | Single-phase | Single-phase | Single-phase | Three-phase | Three-phase | Three-phase |
| COOLING | | | | | | | |
| Rated power (min./max.) | kW | 5.28 (2.71~5.86) | 7.03 (3.22~7.77) | 10.55 (2.73~11.43) | 10.55 (2.73~11.78) | 14.07 (3.52~15.24) | 15.83 (4.10~16.71) |
| Pdesignc | kW | 5.40 | 7.20 | 10.50 | 10.50 | 14.00 | 15.50 |
| Rated power input | kW | 1.45 | 2.30 | 3.90 | 4.00 | 5.00 | 5.65 |
| SEER/Energy label | | 6.2/A++ | 6.1/A++ | 6.4/A++ | 6.2/A++ | 6.1/A++ | 6.1/A++ |
| Operating limits | °C | -15°~50°C Dry bulb | | | | | |
| HEATING | | | | | | | |
| Rated power (min./max.) | kW | 5.57 (2.42~6.30) | 7.62 (2.72~8.29) | 11.72 (2.78~12.78) | 11.72 (2.81~12.78) | 16.12 (4.10~17.00) | 18.17 (4.40~19.64) |
| Pdesignh (average climate) | kW | 4.00 | 5.50 | 8.60 | 8.60 | 11.20 | 11.90 |
| Pdesignh (warmer climate) | kW | 5.10 | 5.80 | 10.20 | 10.00 | 11.70 | 12.60 |
| Rated power input | kW | 1.50 | 2.05 | 3.35 | 3.35 | 5.10 | 6.05 |
| SCOP/Energy label (average climate) | | 4.0/A+ | 4.0/A+ | 4.1/A+ | 4.0/A+ | 3.9/A | 4.0/A+ |
| SCOP/Energy label (warmer climate) | | 5.1/A+++ | 5.1/A+++ | 5.1/A+++ | 5.1/A+++ | 5.1/A+++ | 5.1/A+++ |
| Operating limits | °C | -15°~24°C Dry bulb | | | | | |
| Power at -7°C | kW | 4.30 | 5.94 | 9.21 | 9.08 | 11.76 | 12.76 |
| Power at -10°C | kW | 4.11 | 5.67 | 8.79 | 8.67 | 11.23 | 12.18 |
| Power at -15°C | kW | 3.85 | 5.31 | 8.23 | 8.12 | 10.51 | 11.41 |
| INDOOR UNIT | | | | | | | |
| Sound pressure level at 1 m (LS/MS/HS) | dB(A) | 37/41/44 | 43/47/51 | 45/48/51.5 | 45/47.5/51 | 46/50/53 | 48/52/55 |
| Sound level | dB(A) | 59 | 55 | 65 | 65 | 67 | 67 |
| Airflow (LS/MS/HS) | m³/h | 723/839/958 | 853/1023/1192 | 1504/1728/1955 | 1504/1728/1955 | 1600/1850/2100 | 1650/1950/2200 |
| Dehumidification | l/h | 1.80 | 2.40 | 3.60 | 3.60 | 4.80 | 5.50 |
| Outline dimensions (WxHxD) | mm | 1068x675x235 | 1068x675x235 | 1650x675x235 | 1650x675x235 | 1650x675x235 | 1650x675x235 |
| Package dimensions (WxHxD) | mm | 1145x755x318 | 1145x755x318 | 1725x755x318 | 1725x755x318 | 1725x755x318 | 1725x755x318 |
| Net weight/Gross weight | kg | 28/33.4 | 28/33.2 | 41.5/48.1 | 41.5/48.1 | 41.7/48.6 | 42.3/49.3 |

| OUTDOOR UNIT | | YDAX-050H-09M25 | YDAX-070H-09M25 | YDAX-100H-09M25 | YDAX-100H-09T35 | YDAX-140H-09T35 | YDAX-175H-09T35 |
|-----------------------------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Part number | | 7SP063171 | 7SP063172 | 7SP063173 | 7SP063174 | 7SP063175 | 7SP063176 |
| Sound pressure level at 1 m | dB(A) | 54 | 56 | 59 | 59 | 63 | 62 |
| Sound level | dB(A) | 65 | 67 | 70 | 74 | 74 | 73 |
| Airflow | m³/h | 2100 | 3500 | 4000 | 4000 | 7500 | 7500 |
| Compressor type | | Rotary | Rotary | Rotary | Rotary | Rotary | Rotary |
| Outline dimensions (WxHxD) | mm | 805x554x330 | 890x673x342 | 946x810x410 | 946x810x410 | 952x1333x415 | 952x1333x415 |
| Package dimensions (WxHxD) | mm | 915x615x370 | 995x740x398 | 1090x885x500 | 1090x885x500 | 1095x1480x495 | 1095x1480x495 |
| Net weight/Gross weight | kg | 32.5/35.3 | 43.9/46.7 | 66.9/72.1 | 75.5/85.6 | 103.7/118.3 | 107.0/121.2 |

| POWER SUPPLY | | | | | | | |
|-------------------------------|-----|------------------|------------------|------------------|------------------|------------------|------------------|
| Phase/Voltage/Frequency | | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 1P/220-240V/50Hz | 3P/380-415V/50Hz | 3P/380-415V/50Hz | 3P/380-415V/50Hz |
| Power supply side | | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor |
| Power cable section | mm² | 3G1.5 | 3G2.5 | 3G4.0 | 5G2.5 | 5G2.5 | 5G2.5 |
| Fuse rating am | A | 16 | 20 | 25 | 16 | 16 | 16 |
| Electrical connections in/out | mm² | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 | 4G1.5 |

| PIPE LINE | | | | | | | |
|-----------------------|--------|---------|---------|---------|---------|---------|---------|
| Suction pipe diameter | inches | 1/2" | 5/8" | 5/8" | 5/8" | 5/8" | 5/8" |
| Liquid pipe diameter | inches | 1/4" | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" |
| Max. length | m | 30 | 50 | 75 | 75 | 75 | 75 |
| Max. height | m | 20 | 25 | 30 | 30 | 30 | 30 |
| Refrigerant/GWP | | R32/675 | R32/675 | R32/675 | R32/675 | R32/675 | R32/675 |
| Charge (5 m) | kg | 1.15 | 1.50 | 2.40 | 2.40 | 2.90 | 3.00 |
| Additional charge | g/m | 12 | 24 | 24 | 24 | 24 | 24 |

MATCHING

| INDOOR UNIT |
|---|
| FLOOR CEILING |
|  |
| FDMX 050N & 070N |
|  |
| FDMX 100N to 175N |



| COMPATIBLE WITH OUTDOOR UNIT | | |
|---|---|--|
| MONOSPLIT | MULTISPLIT | |
|  |  |  |
| YDAX | ZDAA | YDZC |
|  | | |
| YDAX | | |



DC Inverter
Reversible



SDMX

Floor standing

+ PRODUCT

- RC19 remote control included (see page 88)
- Long distance air throw
- High airflow (2413 m³/h)
- Inverter solution

FEATURES

TECHNOLOGY



ELECTRONIC EXPANSION VALVE



GOLDEN FIN TREATMENT

AIR QUALITY/CLEAN



ANTIBACTERIAL FILTER

USER FUNCTIONS



TIMER



I FEEL



AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS



ERROR CODE VIA INDOOR UNIT



RC19 included

+ “SUSTAINABLE DEVELOPMENT”

- > Energy label A++ in cooling mode and A+ in heating mode, guaranteeing energy savings.
- > Environment friendly R32 refrigerant.

+ “USER”

- > Solution suitable for large spaces.
- > Controlled by infrared remote control.

+ “TECHNOLOGY”

- > Room sensor built into the remote control for better comfort (“I Feel” mode).
- > Golden Fin treatment on the heat exchangers (external and internal) for protection against corrosion and durability over time.

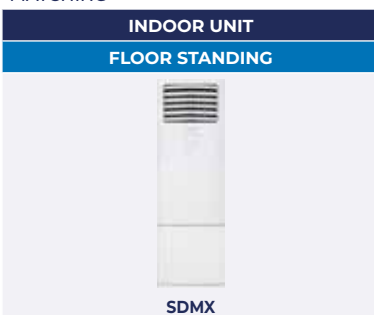
TECHNICAL DATA

SDMX

| INDOOR UNIT | | SDMX-140N-09M35 |
|-------------------------------------|-----------|---------------------------|
| Part number | | 7SP101060 |
| Phase | | Three-phase |
| COOLING | | |
| Rated power (min./max.) | kW | 14.07 (3.51-15.64) |
| Rated power input | kW | 4.95 |
| SEER/Energy label | | 6.1/A++ |
| Operating limits | °C | -15°~50°C Dry bulb |
| HEATING | | |
| Rated power (min./max.) | kW | 16.12 (4.92-17.83) |
| Pdesignh (average climate) | kW | 11.10 |
| Pdesignh (warmer climate) | kW | 11.00 |
| Rated power input | kW | 5.10 |
| SCOP/Energy label (average climate) | | 4.0/A+ |
| SCOP/Energy label (warmer climate) | | 5.1/A+++ |
| Power at -7°C | kW | 14.89 |
| Power at -10°C | kW | 14.22 |
| Power at -15°C | kW | 13.31 |
| Operating limits | °C | -15°~24°C Dry bulb |
| INDOOR UNIT | | |
| Sound pressure level at 1.5 m | dB(A) | 55 |
| Sound level | dB(A) | 67 |
| Airflow (LS/MS/HS) | m³/h | 2027/2222/2413 |
| Dehumidification | l/h | 4.80 |
| Outline dimensions (WxHxD) | mm | 629x1935x456 |
| Package dimensions (WxHxD) | mm | 750x2055x575 |
| Net weight/Gross weight | kg | 59.0/77.0 |

| OUTDOOR UNIT | | YDAX-140H-09T35 |
|-------------------------------|--------|------------------|
| Part number | | 7SP063175 |
| Sound pressure level at 1 m | dB(A) | 62 |
| Sound level | dB(A) | 73 |
| Airflow | m³/h | 7500 |
| Compressor type | | Rotary |
| Outline dimensions (WxHxD) | mm | 952x1333x415 |
| Package dimensions (WxHxD) | mm | 1095x1480x495 |
| Net weight/Gross weight | kg | 103.7/118.3 |
| POWER SUPPLY | | |
| Phase/Voltage/Frequency | | 3P/380-415V/50Hz |
| Power supply side | | Outdoor |
| Power cable section | mm² | 5G2.5 |
| Fuse rating am | A | 16 |
| Electrical connections in/out | mm² | 4G1.5 |
| PIPE LINE | | |
| Suction pipe diameter | inches | 5/8" |
| Liquid pipe diameter | inches | 3/8" |
| Max. length | m | 65 |
| Max. height | m | 30 |
| Refrigerant/GWP | | R32/675 |
| Charge (5m) | kg | 2.80 |

MATCHING





Fixed speed
Reversible

FFMD

Floor ceiling



RC18
included

+ PRODUCT

- RC19 remote control included (see page 88)
- Alarm output and dry contact
- Long air supply distance up to 11 m
- 4D airflow

FEATURES

TECHNOLOGY



GOLDEN FIN
TREATMENT

AIR QUALITY/CLEAN



AIR FILTER

USER FUNCTIONS



TIMER



I FEEL



NIGHT MODE



REMOTE CONTROL
LOCK



RESTART

AUTO RESTART
(MEMORY)

INSTALLER FUNCTIONS



ERROR CODE VIA
INDOOR UNIT



SELF DIAGNOSTIC



TEST
MODE

TECHNICIAN TEST
MODE

+ “SUSTAINABLE DEVELOPMENT”

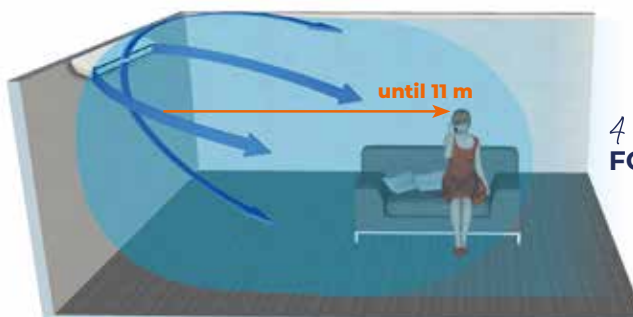
> Choice of installation options: wall or ceiling-mounted.

+ “INSTALLER”

> Parameters can be read on the indoor unit.

+ “TECHNOLOGY”

> High corrosion resistance with the Golden Fin.



4 dimensional airflow
FOR MAXIMUM COMFORT

OPTIONS

| ACCESSORY | PART NUMBER | PICTURE | FUNCTION |
|---------------------------|-------------|---------|---|
| Wired single control RCW6 | 7ACEL1704 | | • Mode, fan speed, real time, timer, temperature, weekly timer and swing. |
| Wired single control RCW8 | 7ACEL1706 | | • Mode, fan speed, timer On/Off, temperature and swing. |

TECHNICAL DATA

FFMD

| INDOOR UNIT | | FFMD-100N-01T25 | FFMD-140N-01M25 | FFMD-160N-01M25 |
|-------------|--|-----------------|-----------------|-----------------|
| Part number | | 7SP012311 | 7SP012312 | 7SP012313 |
| Phase | | Three-phase | Three-phase | Three-phase |

COOLING

| Rated power | kW | 10.55 | 14.07 | 16.12 |
|-------------------|----|------------------|--------|--------|
| Rated power input | kW | 3.51 | 5.45 | 6.4 |
| EER/Energy label | | 3.01/B | 2.58/E | 2.52/E |
| Operating limits | °C | 18°~43° Dry bulb | | |

HEATING

| Rated power | kW | 11.14 | 16.12 | 17.59 |
|-------------------|----|------------------|--------|--------|
| Rated power input | kW | 3.47 | 5.08 | 5.8 |
| COP/Energy label | | 3.21/C | 3.17/D | 3.03/D |
| Operating limits | °C | -7°~24° Dry bulb | | |

INDOOR UNIT

| | | | | |
|--|-------|----------------|----------------|----------------|
| Sound pressure level at 1 m (LS/MS/HS) | dB(A) | 45/48.5/53 | 48.0/51.0/54.0 | 48.0/50.6/54.5 |
| Airflow (LS/MS/HS) | m³/h | 1331/1536/1819 | 2000/2150/2350 | 1636/1846/2267 |
| Dehumidification | l/h | 3.6 | 4.8 | 5.5 |
| Outline dimensions (WxHxD) | mm | 1285x235x675 | 1650x235x675 | 1650x235x675 |
| Package dimensions (WxHxD) | mm | 1360x318x755 | 1725x318x755 | 1725x318x755 |
| Net weight/Gross weight | kg | 29.9/35.5 | 39/45 | 39/45 |

| OUTDOOR UNIT | | YFAD-100R-01T35 | YFAD-140R-01T35 | YFAD-160R-01T35 |
|-----------------------------|-------|-----------------|-----------------|-----------------|
| Part number | | 7SP063184 | 7SP063185 | 7SP063186 |
| Sound pressure level at 1 m | dB(A) | 62.5 | 62 | 61.5 |
| Airflow | m³/h | 3800 | 6000 | 6000 |
| Compressor type | | Rotary | Scroll | Scroll |
| Outline dimensions (WxHxD) | mm | 946x810x410 | 900x1170x350 | 900x1170x350 |
| Package dimensions (WxHxD) | mm | 1090x885x500 | 1032x1307x443 | 1032x1307x443 |
| Net weight/Gross weight | kg | 73.0/77.5 | 98.6/109.3 | 99.7/111.2 |

POWER SUPPLY

| | | | | |
|--------------------------|-----|------------------|------------------|------------------|
| Phase/Voltage/Frequency | | 3P/380-415V/50Hz | 3P/380-415V/50Hz | 3P/380-415V/50Hz |
| Power supply side | | Outdoor | Indoor | Indoor |
| Power cable section | mm² | 5x2.5 | 5x2.5 | 5x2.5 |
| Fuse rating am (D curve) | A | 25 | 32 | 32 |
| Electrical connections | mm² | 3x1.5 + 3x1 | 5x2.5 + 3x1 | 5x2.5 + 3x1 |

PIPE LINE

| | | | | |
|-----------------------|--------|------------|------------|------------|
| Suction pipe diameter | inches | 3/4" | 3/4" | 3/4" |
| Liquid pipe diameter | inches | 3/8" | 3/8" | 3/8" |
| Max. length | m | 30 | 50 | 50 |
| Max. height | m | 20 | 30 | 30 |
| Refrigerant/GWP | | R410A/2088 | R410A/2088 | R410A/2088 |
| Charge (5 m) | kg | 2.85 | 3.3 | 3.3 |
| Additional charge | g/m | 30 | 30 | 30 |

MATCHING



Floor ceiling & Floor standing



Fixed speed
Reversible

SFMD

Floor standing

+ PRODUCT

- RC19 remote control included (see page 88)
- Blowing distance
- High air flow (1488 m³/h)

FEATURES

TECHNOLOGY



GOLDEN FIN
TREATMENT

USER FUNCTIONS



I FEEL



PROGRAMMABLE
TIMER



NIGHT MODE



REMOTE CONTROL
LOCK



RESTART
(MEMORY)

INSTALLER FUNCTIONS



ERROR CODE VIA
INDOOR UNIT



SELF DIAGNOSTIC



TECHNICIAN TEST
MODE



RC19
included

+ “SUSTAINABLE DEVELOPMENT”

- > Solution suitable for large spaces.
- > Controlled by infrared remote control.

+ “TECHNOLOGY”

- > Room sensor built into the remote control for better comfort (“I Feel” mode).
- > Golden Fin treatment on the heat exchangers (external and internal) for protection against corrosion and durability over time.

+ “INSTALLER”

- > Floor installation of the indoor unit for easier handling.

TECHNICAL DATA

SDMX

| INDOOR UNIT | | SFMD-140N-01N35 |
|-------------|--|-----------------|
| Part number | | 7SP101061 |
| Phase | | Three-phase |

COOLING

| Rated power | kW | 14.07 |
|-------------------|----|------------------|
| Rated power input | kW | 5.3 |
| EER/Energy label | | 2.65/D |
| Operating limits | °C | 18°~43° Dry bulb |

HEATING

| Rated power | kW | 16.08 |
|-------------------|----|------------------|
| Rated power input | kW | 5.35 |
| COP/Energy label | | 3.01 |
| Operating limits | °C | -7°~24° Dry bulb |

INDOOR UNIT

| | | |
|---------------------------------------|-------|--------------|
| Sound pressure level at 1.5 m (LS/HS) | dB(A) | 46/54 |
| Airflow (LS/HS) | m³/h | 1180/1488 |
| Outline dimensions (WxHxD) | mm | 540x1825x410 |
| Package dimensions (WxHxD) | mm | 690x1965x565 |
| Net weight/Gross weight | kg | 52.9/69.4 |

| OUTDOOR UNIT | | YFAD-140R-01T35 |
|-----------------------------|-------|-----------------|
| Part number | | 7SP063185 |
| Sound pressure level at 1 m | dB(A) | 63 |
| Airflow | m³/h | 6000 |
| Compressor type | | Scroll |
| Outline dimensions (WxHxD) | mm | 900x1170x350 |
| Package dimensions (WxHxD) | mm | 1032x1307x443 |
| Net weight/Gross weight | kg | 98.6/109.3 |

POWER SUPPLY

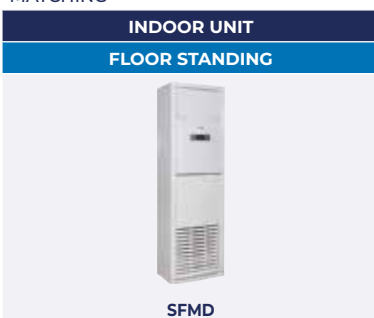
| | | |
|--------------------------|-----|------------------|
| Phase/Voltage/Frequency | | 3P/380-415V/50Hz |
| Power supply side | | Indoor |
| Power cable section | mm² | 2.5x5 |
| Fuse rating am (D curve) | A | 45 |
| Electrical connections | mm² | 1x3 |

PIPE LINE

| | | |
|-----------------------|--------|------|
| Suction pipe diameter | inches | 3/4" |
| Liquid pipe diameter | inches | 3/8" |
| Max. length | m | 50 |
| Max. height | m | 30 |

| Refrigerant/GWP | | R410A/2088 |
|-----------------|----|------------|
| Charge (5m) | kg | 3.3 |

MATCHING



Floor ceiling & Floor standing



MULTISPLIT

Range

OUTDOOR UNIT

REFRIGERANT
TYPE

KW

p.44



ZDAA

R32

4 to 13

ZDAA

Compatible with: HDMB Harmonia and HDLA Aura high wall, FDMX floor ceiling, DDMX ducted and CDMX cassette

INDOOR UNITS

| OUTDOOR UNITS | NB MAX OF IDU | HIGH WALL HDMB HARMONIA | HIGH WALL HDLA | FLOOR CEILING FDMX | DUCTED DDMX | CASSETTE CDMX |
|---------------|---------------|---|---|--|---|---|
| | |  |  |  |  |  |
| ZDAA-2040 | 2 | ● Sizes 25/35/50 | ● Sizes 22/35/50 | ● Size 50 | ● Sizes 22/35/50 | ● Sizes 22/25/35/50 |
| ZDAA-2050 | 2 | ● Sizes 25/35/50 | ● Sizes 22/35/50 | ● Size 50 | ● Sizes 22/35/50 | ● Sizes 22/25/35/50 |
| ZDAA-3080 | 3 | ● Sizes 25/35/50 | ● Sizes 22/35/50 | ● Size 50 | ● Sizes 22/35/50 | ● Sizes 22/25/35/50 |
| ZDAA-4090 | 4 | ● Sizes 25/35/50/70 | ● Sizes 22/35/50/70 | ● Sizes 50/70 | ● Sizes 22/35/50/70 | ● Sizes 22/25/35/50/70 |
| ZDAA-5130 | 5 | ● Sizes 25/35/50/70 | ● Sizes 22/35/50/70 | ● Sizes 50/70 | ● Sizes 22/35/50/70 | ● Sizes 22/25/35/50/70 |



DC Inverter
Reversible



ZDAA Multisplit



+ PRODUCT

- Flexy Match (compatible with most of the range)
- Total piping length up to 80 m
- High capacity compared with market average
- Electronic expansion valve

FEATURES

TECHNOLOGY



ELECTRONIC EXPANSION VALVE



GOLDEN FIN TREATMENT

INSTALLER FUNCTIONS



AUTO-DIAGNOSTIC

CERTIFICATION

- AIRWELL participates in the ECP programme for AC1. Check ongoing validity of certificate: www.eurovent-certification.com



- Models marked * are not Eurovent certified

Compatible WITH:

- > High wall HDMB Harmonia 25/35/50/70



White



Mirror



Grey

- > High wall HDLA Aura 22/25/35/50/70



- > Cassette CDMX 22/25/35/50/70



- > Ducted DDMX 22/35/50/70



- > Floor ceiling FDMX 50/70



+ "SUSTAINABLE DEVELOPMENT"

- > High energy label A++ (cooling mode) / A+ (heating mode).
- > Energy savings (heating mode only, setpoint limits).

+ "USER"

- > A large choice of indoor units.
- > Small footprint with a single outdoor unit.

+ "INSTALLER"

- > Scalable and flexible installation.
- > Long piping.

+ "TECHNOLOGY"

- > High corrosion resistance with the Golden Fin.
- > Refrigerant leak detection.



Longer product service life:

- > Golden Fin exchanger.
- > Anti-corrosion treatment on PCB.

TECHNICAL DATA

ZDAA

Multisplit

NEW

| OUTDOOR UNIT | | ZDAA-2040-09M25 | ZDAA-2050-09M25 | ZDAA-3080-09M25 | ZDAA-4090-09M25* | ZDAA-5130-09M25* |
|--------------|--|-----------------|-----------------|-----------------|------------------|------------------|
| Part number | | 7SP091194 | 7SP091195 | 7SP091196 | 7SP091197 | 7SP091198 |
| Phase | | Single-phase | Single-phase | Single-phase | Single-phase | Single-phase |

COOLING

| Rated power (min./max.) | kW | 4.10 (1.47~4.69) | 5.28 (2.28~5.70) | 7.91 (3.08~8.21) | 10.55 (2.05~10.55) | 12.31 (3.17~12.31) |
|-------------------------|----|-------------------|------------------|------------------|--------------------|--------------------|
| Pdesignc | kW | 4.10 | 5.30 | 7.90 | 10.50 | 12.30 |
| Rated power input | kW | 1.27 | 1.63 | 2.45 | 3.52 | 3.81 |
| SEER/Energy label | | 6.1/A++ | 6.3/A++ | 6.3/A++ | 6.3/A++ | 6.1/A++ |
| Operating limits | °C | -15°/50° Dry bulb | | | | |

HEATING

| Rated power (min./max.) | kW | 4.40 (1.62~4.99) | 5.57 (2.40~5.74) | 8.21 (2.40~8.21) | 10.55 (2.34~11.14) | 12.31 (3.37~12.31) |
|-------------------------------------|----|-------------------|------------------|------------------|--------------------|--------------------|
| Pdesignh (average climate) | kW | 3.90 | 4.50 | 5.70 | 8.80 | 9.50 |
| Pdesignh (warmer climate) | | 4.10 | 5.00 | 6.00 | 9.80 | 9.80 |
| Rated power input | kW | 1.18 | 1.50 | 2.21 | 2.88 | 3.31 |
| SCOP/Energy label (average climate) | | 3.8/A | 4.0/A+ | 4.0/A+ | 4.0/A+ | 3.8/A |
| SCOP/Energy label (warmer climate) | | 5.1/A+++ | 5.1/A+++ | 5.1/A+++ | 5.1/A+++ | 5.1/A+++ |
| Power at -7°C | kW | 4.09 | 4.90 | 6.73 | 8.23 | 8.74 |
| Power at -10°C | kW | 3.21 | 3.62 | 5.66 | 6.86 | 7.39 |
| Power at -15°C | kW | 2.86 | 3.23 | 5.09 | 6.44 | 7.02 |
| Operating limits | °C | -15°/24° Dry bulb | | | | |

OUTDOOR UNIT

| | | | | | | |
|-----------------------------|-------|-------------|-------------|--------------|--------------|--------------|
| Sound pressure level at 1 m | dB(A) | 54 | 54 | 56 | 57 | 56 |
| Sound level | dB(A) | 65 | 65 | 68 | 69 | 69 |
| Airflow | m³/h | 2100 | 2100 | 3000 | 4000 | 3850 |
| Compressor type | | Rotary | Rotary | Rotary | Rotary | Rotary |
| Outline dimensions (WxHxD) | mm | 805x554x330 | 805x554x330 | 890x673x342 | 946x810x410 | 946x810x410 |
| Package dimensions (WxHxD) | mm | 915x615x370 | 915x615x370 | 1030x750x438 | 1090x875x500 | 1090x875x500 |
| Net weight/Gross weight | kg | 32/35 | 35/38 | 48/51.8 | 68.8/75.6 | 73.3/80.4 |

POWER SUPPLY

| | | | | | | |
|-------------------------------|-----|--------------|--------------|--------------|--------------|--------------|
| Phase/Voltage/Frequency | | 1P/230V/50Hz | 1P/230V/50Hz | 1P/230V/50Hz | 1P/230V/50Hz | 1P/230V/50Hz |
| Power supply side | | Outdoor | Outdoor | Outdoor | Outdoor | Outdoor |
| Power cable section | mm² | 3G1.5 | 3G1.5 | 3G2.5 | 3G4 | 3G4 |
| Fuse rating am | A | 16 | 16 | 20 | 25 | 25 |
| Electrical connections in/out | mm² | 2 x (4G1.5) | 2 x (4G1.5) | 3x (4G1.5) | 4 x (4G1.5) | 5 x (4G1.5) |

PIPE LINE

| | | | | | | |
|---|--------------------------------------|----------------|----------------|----------------|----------------|----------------|
| Suction pipe diameter | inches | 2x3/8" | 2x3/8" | 3x3/8" | 3x3/8"+1x1/2" | 4x3/8"+1x1/2" |
| Liquid pipe diameter | inches | 2x1/4" | 2x1/4" | 3x1/4" | 4x1/4" | 5x1/4" |
| Max. length | m | 40 | 40 | 60 | 80 | 80 |
| Max. length per circuit | m | 25 | 25 | 30 | 35 | 35 |
| Max. height between indoor and outdoor unit | Outdoor unit higher than indoor unit | m | 15 | 15 | 15 | 15 |
| | Outdoor unit lower than indoor unit | m | 15 | 15 | 15 | 15 |
| Max. height between indoor units | m | 10 | 10 | 10 | 10 | 10 |
| Refrigerant/GWP | | R32/675 | R32/675 | R32/675 | R32/675 | R32/675 |
| Charge | kg | 1.10 | 1.25 | 1.85 | 2.10 | 2.90 |
| Totale length charge | m | 15 | 15 | 22.5 | 30 | 37.5 |
| Additional charge | g/m | 12 | 12 | 12 | 12 | 12 |



High wall
HDMB Harmonia
White 25/35/50/70



High wall
HDMB Harmonia
Mirror 25/35/50/70



High wall
HDMB Harmonia
Grey 25/35/50/70

| INDOOR UNIT - WHITE | | HDMB-025N-09M22 | HDMB-035N-09M22 | HDMB-050N-09M22 | HDMB-070N-09M22 |
|---|-------|--------------------|--------------------|--------------------|--------------------|
| Indoor unit part number - White | | 7SP023235 | 7SP023236 | 7SP023237 | 7SP023238 |
| INDOOR UNIT - GREY | | HDMB-025N-09M22-GY | HDMB-035N-09M22-GY | HDMB-050N-09M22-GY | HDMB-070N-09M22-GY |
| Indoor unit part number - Grey | | 7SP023244 | 7SP023245 | 7SP023246 | 7SP023247 |
| INDOOR UNIT - MIRROR | | HDMB-025N-09M22-MR | HDMB-035N-09M22-MR | HDMB-050N-09M22-MR | HDMB-070N-09M22-MR |
| Indoor unit part number - Mirror | | 7SP023240 | 7SP023241 | 7SP023242 | 7SP023243 |
| Phase | | Single-phase | Single-phase | Single-phase | Single-phase |
| Cooling rated power | kW | 2.64 | 3.51 | 5.27 | 7.03 |
| Heating rated power | kW | 2.92 | 3.81 | 5.57 | 7.33 |
| Sound pressure level at 1 m (VL/LS/MS/HS) | dB(A) | 20/24/29/36 | 21/25/33/39 | 22/28/33/43 | 25/30/41/47 |
| Sound level | dB(A) | 55 | 55 | 58 | 63 |
| Airflow (LS/MS/HS) | m³/h | 303/362/483 | 395/477/584 | 420/500/730 | 640/830/1020 |
| Dehumidification | l/h | 0.90 | 1.20 | 1.80 | 2.40 |
| Outline dimensions (WxHxD) | mm | 802x297x189 | 802x297x189 | 965x319x215 | 1080x335x226 |
| Package dimensions (WxHxD) | mm | 875x380x285 | 875x380x285 | 1045x410x305 | 1155x320x415 |
| Net weight/Gross weight | kg | 8.6/11.3 | 8.6/11.3 | 10.9/12.5 | 13.7/17.5 |
| Panel part number - Silver Grey | | 7ACTL0551 | 7ACTL0551 | 7ACTL0552 | 7ACTL0553 |
| Panel part number - Champagne Beige | | 7ACTL0543 | 7ACTL0543 | 7ACTL0544 | 7ACTL0545 |
| Panel part number - Passion Red | | 7ACTL0547 | 7ACTL0547 | 7ACTL0548 | 7ACTL0549 |

PIPE LINE

| | | | | | |
|-----------------------|--------|------|------|------|------|
| Suction pipe diameter | inches | 3/8" | 3/8" | 1/2" | 5/8" |
| Liquid pipe diameter | inches | 1/4" | 1/4" | 1/4" | 3/8" |



High wall HDLA
25/35/50/70

NEW

| INDOOR UNIT | | HDLA-022N-09M25 | HDLA-025N-09M25 | HDLA-035N-09M25 | HDLA-050N-09M25 | HDLA-070N-09M25 |
|---|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Part number | | 7SP023249 | 7SP023250 | 7SP023251 | 7SP023252 | 7SP023253 |
| Phase | | Single-phase | Single-phase | Single-phase | Single-phase | Single-phase |
| Cooling rated power | kW | 2.05 | 2.64 | 3.52 | 5.28 | 7.03 |
| Heating rated power | kW | 2.34 | 2.93 | 3.81 | 5.57 | 7.33 |
| Sound pressure level at 1 m (VL/LS/MS/HS) | dB(A) | 21/26/30/40 | 21/25/32/38.5 | 21/25/34.5/40.5 | 20/26/36/42.5 | 36/40.5/45 |
| Sound level | dB(A) | 54 | 54 | 55 | 56 | 59 |
| Airflow (LS/MS/HS) | m³/h | 325/360/460 | 325/360/466 | 325/430/540 | 540/680/840 | 662/817/980 |
| Dehumidification | l/h | 0.7 | 0.9 | 1.2 | 1.8 | 2.4 |
| Outline dimensions (WxHxD) | mm | 805x285x194 | 805x285x194 | 805x285x194 | 957x302x213 | 1040x327x220 |
| Package dimensions (WxHxD) | mm | 870x365x270 | 870x365x270 | 870x365x270 | 1035x385x295 | 1120x315x405 |
| Net weight/Gross weight | kg | 7.5/9.8 | 7.5/9.8 | 7.6/9.9 | 10.0/12.1 | 12.3/15.8 |
| Suction pipe diameter | inches | 3/8" | 3/8" | 3/8" | 1/2" | 5/8" |
| Liquid pipe diameter | inches | 1/4" | 1/4" | 1/4" | 1/4" | 3/8" |



Cassette CDMX
22/25/35/50/70

| | | NEW | | | | |
|--|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| INDOOR UNIT | | CDMX-022N-09M25 | CDMX-025N-09M25 | CDMX-035N-09M25 | CDMX-050N-09M25 | CDMX-070N-09M25 |
| Part number | | 7SP042289 | 7SP042290 | 7SP042291 | 7SP042292 | 7SP042293 |
| Phase | | Single-phase | | | | |
| Cooling rated power | kW | 2.05 | 2.60 | 3.52 | 5.28 | 7.03 |
| Heating rated power | kW | 2.35 | 2.90 | 3.81 | 5.57 | 7.62 |
| Sound pressure level at 1 m (LS/MS/HS) | dB(A) | 29/33/38 | 31/34/39 | 34/37/42 | 39/44/45 | 42/47/50 |
| Sound level | dB(A) | 53 | 54 | 57 | 59 | 59 |
| Airflow (LS/MS/HS) | m³/h | 400/460/500 | 400/504/580 | 389/485/569 | 479/584/680 | 992/1118/1247 |
| Dehumidification | l/h | 0.7 | 1.20 | 1.50 | 2.00 | 3.00 |
| Outline dimensions (WxHxD) | mm | 570x260x570 | 570x260x570 | 570x260x570 | 570x260x570 | 830x205x830 |
| Package dimensions (WxHxD) | mm | 662x317x662 | 662x317x662 | 662x317x662 | 662x317x662 | 910x250x910 |
| Net weight/Gross weight | kg | 14.5/17.3 | 14.5/17.3 | 16.3/20.4 | 16/22.1 | 21.6/25.4 |
| PANEL | | | | | | |
| Outline dimensions (WxHxD) | mm | 647x50x647 | 647x50x647 | 647x50x647 | 647x50x647 | 950x55x950 |
| Package dimensions (WxHxD) | mm | 715x123x715 | 715x123x715 | 715x123x715 | 715x123x715 | 1035x90x1035 |
| Net weight/Gross weight | kg | 2.5/4.5 | 2.5/4.5 | 2.5/4.5 | 2.5/4.5 | 6/9 |
| Panel part number | | 7ACVF0566 | 7ACVF0566 | 7ACVF0566 | 7ACVF0566 | 7ACVF0600 |
| PIPE LINE | | | | | | |
| Suction pipe diameter | inches | 3/8" | 3/8" | 3/8" | 1/2" | 5/8" |
| Liquid pipe diameter | inches | 1/4" | 1/4" | 1/4" | 1/4" | 3/8" |



Ducted DDMX
22/35/50/70

| | | NEW | | | |
|---|--------|-----------------|-----------------|-----------------|-----------------|
| INDOOR UNIT | | DDMX-022N-09M25 | DDMX-035N-09M25 | DDMX-050N-09M25 | DDMX-070N-09M25 |
| Part number | | 7SP033069 | 7SP033070 | 7SP033071 | 7SP033072 |
| Phase | | Single-phase | | | |
| Cooling rated power | kW | 2.05 | 3.52 | 5.28 | 7.03 |
| Heating rated power | kW | 2.34 | 3.81 | 5.57 | 7.62 |
| Sound pressure level at 1 m (VL/LS/MS/HS) | dB(A) | 23/27/34/40 | 23/29/30/34 | 23/29/30/34 | 27/37/42/40 |
| Sound level | dB(A) | 58 | 58 | 58 | 62 |
| Airflow (LS/MS/HS) | m³/h | 230/340/500 | 300/480/600 | 515.2/706/911 | 825.1/1035/1229 |
| External static pressure (standard/max.) | Pa | 25/0-40 | 25/0-60 | 25/0-100 | 25/0-160 |
| Dehumidification | l/h | 0.7 | 1.20 | 1.80 | 2.40 |
| Outline dimensions (WxHxD) | mm | 700x200x506 | 700x200x506 | 880x210x674 | 1100x249x774 |
| Package dimensions (WxHxD) | mm | 860x285x540 | 860x285x540 | 1070x280x725 | 1305x315x805 |
| Net weight/Gross weight | kg | 17.8/25.2 | 17.8/21.5 | 24.4/29.6 | 32.3/39.1 |
| PIPE LINE | | | | | |
| Suction pipe diameter | inches | 3/8" | 3/8" | 1/2" | 5/8" |
| Liquid pipe diameter | inches | 1/4" | 1/4" | 1/4" | 3/8" |



Floor ceiling
FDMX 50/70

| INDOOR UNIT | | FDMX-050N-09M25 | FDMX-070N-09M25 |
|--|--------|-----------------|-----------------|
| Part number | | 7SP012300 | 7SP012301 |
| Phase | | Single-phase | |
| Cooling rated power | kW | 5.28 | 7.03 |
| Heating rated power | kW | 5.57 | 7.62 |
| Sound pressure level at 1 m (LS/MS/HS) | dB(A) | 37/41/44 | 43/47/51 |
| Sound level | dB(A) | 59 | 55 |
| Airflow (LS/MS/HS) | m³/h | 723/839/958 | 853/1023/1192 |
| Dehumidification | l/h | 1.80 | 2.40 |
| Outline dimensions (WxHxD) | mm | 1068x675x235 | 1068x675x235 |
| Package dimensions (WxHxD) | mm | 1145x755x318 | 1145x755x318 |
| Net weight/Gross weight | kg | 28/33.4 | 28/33.2 |
| PIPE LINE | | | |
| Suction pipe diameter | inches | 1/2" | 5/8" |
| Liquid pipe diameter | inches | 1/4" | 3/8" |



Compatible
WITH:

> High wall HDMB
Harmonia
25/35/50



White



Mirror



Grey

> High wall HDLA Aura
22/25/35/50



> Cassette CDMX
22/25/35/50



> Ducted DDMX
22/35/50



> Floor ceiling
FDMX 50



ZDAA-2040 MULTISPLIT DUO

| Indoor unit combination | COOLING | | | | | | | | | | HEATING | | | | | | | | | |
|-------------------------|------------------|--------|------------------|-------|------|-------------------------|-------|------|------|-----------------------|------------------|--------|------------------|-------|------|-------------------------|-------|------|------|-----------------------|
| | Rated power (kW) | | Total power (kW) | | | Power input totale (kW) | | | EER | SEER/ Energy label | Rated power (kW) | | Total power (kW) | | | Power input totale (kW) | | | COP | SCOP/ Energy label |
| | Unit A | Unit B | Min. | Rated | Max. | Min. | Rated | Max. | | | Unit A | Unit B | Min. | Rated | Max. | Min. | Rated | Max. | | |
| 22 | 2.00 | - | 1.23 | 2.00 | 2.90 | 0.30 | 0.62 | 0.77 | 3.25 | - | 2.45 | - | 1.32 | 2.50 | 2.82 | 0.28 | 0.67 | 0.83 | 3.75 | - |
| 25 | 2.50 | - | 1.23 | 2.50 | 3.20 | 0.30 | 0.77 | 0.96 | 3.25 | - | 2.92 | - | 1.32 | 2.90 | 3.36 | 0.28 | 0.78 | 0.97 | 3.73 | - |
| 35 | 3.50 | - | 1.23 | 3.50 | 3.90 | 0.30 | 1.08 | 1.35 | 3.25 | - | 3.75 | - | 1.32 | 3.80 | 4.31 | 0.28 | 1.02 | 1.28 | 3.72 | - |
| 50 | 4.10 | - | 1.35 | 4.10 | 4.90 | 0.40 | 1.27 | 1.59 | 3.23 | - | 4.40 | - | 1.45 | 4.40 | 5.24 | 0.38 | 1.19 | 1.48 | 3.71 | - |
| 22+22 | 2.05 | 2.05 | 1.76 | 4.10 | 4.92 | 0.44 | 1.27 | 1.59 | 3.23 | 6.8/A++ | 2.20 | 2.20 | 1.89 | 4.40 | 5.28 | 0.42 | 1.19 | 1.48 | 3.71 | 4.0/A+ |
| 22+25 | 1.79 | 2.31 | 1.76 | 4.10 | 4.92 | 0.44 | 1.27 | 1.59 | 3.23 | 6.8/A++ | 1.93 | 2.48 | 1.89 | 4.40 | 5.28 | 0.42 | 1.19 | 1.48 | 3.71 | 4.0/A+ |
| 22+35 | 1.51 | 2.59 | 1.76 | 4.10 | 4.92 | 0.44 | 1.27 | 1.59 | 3.23 | 6.8/A++ | 1.62 | 2.78 | 1.89 | 4.40 | 5.28 | 0.42 | 1.19 | 1.48 | 3.71 | 4.0/A+ |
| 25+25 | 2.05 | 2.05 | 1.76 | 4.10 | 4.92 | 0.44 | 1.27 | 1.59 | 3.23 | 6.8/A++ | 2.20 | 2.20 | 1.89 | 4.40 | 5.28 | 0.42 | 1.19 | 1.48 | 3.71 | 4.0/A+ |
| 25+35 | 1.76 | 2.34 | 1.76 | 4.10 | 4.92 | 0.44 | 1.27 | 1.59 | 3.23 | 6.8/A++ | 1.89 | 2.51 | 1.89 | 4.40 | 5.28 | 0.42 | 1.19 | 1.48 | 3.71 | 4.0/A+ |

Based on wall mounted combination

ZDAA-2050 MULTISPLIT DUO

| Indoor unit combination | COOLING | | | | | | | | | | HEATING | | | | | | | | | |
|-------------------------|------------------|--------|------------------|-------|------|-------------------------|-------|------|------|-----------------------|------------------|--------|------------------|-------|------|-------------------------|-------|------|------|-----------------------|
| | Rated power (kW) | | Total power (kW) | | | Power input totale (kW) | | | EER | SEER/ Energy label | Rated power (kW) | | Total power (kW) | | | Power input totale (kW) | | | COP | SCOP/ Energy label |
| | Unit A | Unit B | Min. | Rated | Max. | Min. | Rated | Max. | | | Unit A | Unit B | Min. | Rated | Max. | Min. | Rated | Max. | | |
| 22 | 2.00 | - | 1.43 | 2.00 | 2.90 | 0.35 | 0.60 | 0.75 | 3.35 | - | 2.50 | - | 1.56 | 2.50 | 3.03 | 0.32 | 0.67 | 0.83 | 3.75 | - |
| 25 | 2.50 | - | 1.43 | 2.50 | 3.20 | 0.35 | 0.75 | 0.93 | 3.35 | - | 3.00 | - | 1.56 | 3.00 | 3.63 | 0.32 | 0.80 | 1.00 | 3.75 | - |
| 35 | 3.50 | - | 1.43 | 3.50 | 3.90 | 0.35 | 1.08 | 1.29 | 3.25 | - | 3.80 | - | 1.56 | 3.80 | 4.60 | 0.32 | 1.00 | 1.20 | 3.81 | - |
| 50 | 5.00 | - | 1.64 | 5.00 | 5.51 | 0.45 | 1.55 | 1.89 | 3.23 | - | 5.20 | - | 1.73 | 5.20 | 5.79 | 0.42 | 1.35 | 1.88 | 3.85 | - |
| 22+22 | 2.65 | 2.65 | 2.12 | 5.30 | 5.62 | 0.54 | 1.64 | 2.05 | 3.23 | 6.1/A++ | 2.50 | 2.50 | 2.23 | 5.00 | 6.04 | 0.51 | 1.35 | 1.88 | 3.71 | 4.0/A+ |
| 22+25 | 2.32 | 2.98 | 2.12 | 5.30 | 5.83 | 0.54 | 1.64 | 2.05 | 3.23 | 6.1/A++ | 2.32 | 2.98 | 2.23 | 5.30 | 6.12 | 0.51 | 1.43 | 1.88 | 3.71 | 4.0/A+ |
| 22+35 | 1.95 | 3.35 | 2.12 | 5.30 | 6.41 | 0.54 | 1.64 | 2.05 | 3.23 | 6.1/A++ | 2.03 | 3.47 | 2.23 | 5.50 | 6.36 | 0.51 | 1.48 | 1.88 | 3.71 | 4.0/A+ |
| 22+50 | 1.48 | 3.85 | 2.12 | 5.30 | 6.47 | 0.54 | 1.64 | 2.05 | 3.23 | 6.1/A++ | 1.60 | 4.14 | 2.23 | 5.70 | 6.60 | 0.51 | 1.54 | 1.88 | 3.71 | 4.0/A+ |
| 25+25 | 2.65 | 2.65 | 2.12 | 5.3 | 6.41 | 0.54 | 1.64 | 2.05 | 3.23 | 6.3/A++ | 2.78 | 2.78 | 2.23 | 5.57 | 6.68 | 0.51 | 1.50 | 1.88 | 3.71 | 4.0/A+ |
| 25+35 | 2.27 | 3.03 | 2.12 | 5.3 | 6.41 | 0.54 | 1.64 | 2.05 | 3.23 | 6.3/A++ | 2.39 | 3.18 | 2.23 | 5.57 | 6.68 | 0.51 | 1.50 | 1.88 | 3.71 | 4.0/A+ |
| 25+50 | 1.77 | 3.53 | 2.12 | 5.3 | 6.47 | 0.54 | 1.64 | 2.05 | 3.23 | 6.3/A++ | 1.86 | 3.71 | 2.23 | 5.57 | 6.68 | 0.51 | 1.50 | 1.88 | 3.71 | 4.0/A+ |
| 35+35 | 2.65 | 2.65 | 2.12 | 5.3 | 6.41 | 0.54 | 1.64 | 2.05 | 3.23 | 6.3/A++ | 2.79 | 2.79 | 2.23 | 5.57 | 6.68 | 0.51 | 1.50 | 1.88 | 3.71 | 4.0/A+ |

Based on wall mounted combination



Compatible
WITH:

> High wall HDMB
Harmonia
25/35/50



White



Mirror



Grey

> High wall HDLA Aura
22/25/35/50



> Cassette CDMX
22/25/35/50



> Ducted DDMX
22/35/50



> Floor ceiling
FDMX 50



ZDAA-3080 MULTISPLIT TRIO

| Indoor unit combination | COOLING | | | | | | | | | | | HEATING | | | | | | | | | | |
|-------------------------|------------------|--------|--------|------------------|-------|------|-------------------------|-------|------|------|-----------------------|------------------|--------|--------|------------------|-------|------|-------------------------|-------|------|------|-----------------------|
| | Rated power (kW) | | | Total power (kW) | | | Power input totale (kW) | | | EER | SEER/ Energy label | Rated power (kW) | | | Total power (kW) | | | Power input totale (kW) | | | COP | SCOP/ Energy label |
| | Unit A | Unit B | Unit C | Min. | Rated | Max. | Min. | Rated | Max. | | | Unit A | Unit B | Unit C | Min. | Rated | Max. | Min. | Rated | Max. | | |
| 22 | 2.00 | - | - | 1.58 | 2.00 | 2.90 | 0.40 | 0.62 | 0.77 | 3.23 | - | 2.50 | - | - | 1.64 | 2.50 | 2.90 | 0.40 | 0.67 | 0.84 | 3.73 | - |
| 25 | 2.50 | - | - | 1.58 | 2.50 | 3.20 | 0.40 | 0.77 | 0.97 | 3.23 | - | 3.00 | - | - | 1.64 | 3.00 | 3.20 | 0.40 | 0.80 | 1.01 | 3.73 | - |
| 35 | 3.50 | - | - | 1.58 | 3.50 | 3.90 | 0.40 | 1.08 | 1.30 | 3.23 | - | 3.80 | - | - | 1.64 | 3.80 | 3.90 | 0.40 | 1.02 | 1.22 | 3.73 | - |
| 50 | 5.00 | - | - | 1.78 | 5.00 | 6.50 | 0.50 | 1.55 | 1.78 | 3.23 | - | 5.20 | - | - | 1.89 | 5.20 | 7.22 | 0.50 | 1.39 | 1.59 | 3.75 | - |
| 22+22 | 2.10 | 2.10 | - | 2.22 | 4.20 | 6.33 | 0.64 | 1.30 | 2.08 | 3.23 | 5.6/A+ | 2.50 | 2.50 | - | 2.30 | 5.00 | 6.56 | 0.57 | 1.35 | 1.87 | 3.71 | 3.8/A |
| 22+25 | 2.06 | 2.64 | - | 2.22 | 4.70 | 6.73 | 0.64 | 1.46 | 2.20 | 3.23 | 5.6/A+ | 2.45 | 3.15 | - | 2.30 | 5.60 | 6.98 | 0.57 | 1.51 | 1.98 | 3.71 | 3.8/A |
| 22+35 | 1.95 | 3.35 | - | 2.22 | 5.30 | 7.12 | 0.64 | 1.64 | 2.45 | 3.23 | 5.6/A+ | 2.21 | 3.79 | - | 2.30 | 6.00 | 7.39 | 0.57 | 1.62 | 2.20 | 3.71 | 3.8/A |
| 22+50 | 1.82 | 4.68 | - | 2.22 | 6.50 | 7.91 | 0.64 | 2.01 | 2.69 | 3.23 | 5.6/A+ | 1.96 | 5.04 | - | 2.30 | 7.00 | 8.21 | 0.57 | 1.89 | 2.42 | 3.71 | 3.8/A |
| 25+25 | 2.65 | 2.65 | - | 2.22 | 5.30 | 7.12 | 0.64 | 1.64 | 2.45 | 3.23 | 5.6/A+ | 3.00 | 3.00 | - | 2.30 | 6.00 | 7.39 | 0.57 | 1.62 | 2.20 | 3.71 | 3.8/A |
| 25+35 | 2.57 | 3.43 | - | 2.22 | 6.00 | 7.52 | 0.64 | 1.86 | 2.57 | 3.23 | 5.6/A+ | 2.70 | 3.60 | - | 2.30 | 6.30 | 7.80 | 0.57 | 1.70 | 2.31 | 3.71 | 3.8/A |
| 25+50 | 2.27 | 4.53 | - | 2.22 | 6.80 | 7.91 | 0.64 | 2.11 | 2.69 | 3.23 | 5.6/A+ | 2.33 | 4.67 | - | 2.30 | 7.00 | 8.21 | 0.57 | 1.89 | 2.42 | 3.71 | 3.8/A |
| 35+35 | 3.15 | 3.15 | - | 2.22 | 6.30 | 7.68 | 0.64 | 1.95 | 2.65 | 3.23 | 5.6/A+ | 3.25 | 3.25 | - | 2.30 | 6.50 | 7.96 | 0.57 | 1.75 | 2.38 | 3.71 | 3.8/A |
| 35+50 | 2.72 | 4.08 | - | 2.22 | 6.80 | 7.91 | 0.64 | 2.11 | 2.69 | 3.23 | 5.6/A+ | 2.80 | 4.20 | - | 2.30 | 7.00 | 8.21 | 0.57 | 1.89 | 2.42 | 3.71 | 3.8/A |
| 22+22+22 | 2.43 | 2.43 | 2.43 | 2.77 | 7.30 | 8.70 | 0.76 | 2.26 | 2.92 | 3.23 | 6.1/A++ | 2.73 | 2.73 | 2.73 | 2.87 | 8.20 | 9.85 | 0.68 | 2.21 | 2.75 | 3.71 | 4.0/A+ |
| 22+22+25 | 2.25 | 2.25 | 2.90 | 2.77 | 7.40 | 8.70 | 0.76 | 2.29 | 2.92 | 3.23 | 6.1/A++ | 2.50 | 2.50 | 3.21 | 2.87 | 8.20 | 9.85 | 0.68 | 2.21 | 2.75 | 3.71 | 4.0/A+ |
| 22+22+35 | 2.13 | 2.13 | 3.65 | 2.77 | 7.90 | 8.70 | 0.76 | 2.45 | 2.92 | 3.23 | 6.1/A++ | 2.21 | 2.21 | 3.78 | 2.87 | 8.20 | 9.85 | 0.68 | 2.21 | 2.75 | 3.71 | 4.0/A+ |
| 22+22+50 | 1.73 | 1.73 | 4.44 | 2.77 | 7.90 | 8.70 | 0.76 | 2.45 | 2.92 | 3.23 | 6.1/A++ | 1.79 | 1.79 | 4.61 | 2.87 | 8.20 | 9.85 | 0.68 | 2.21 | 2.75 | 3.71 | 4.0/A+ |
| 22+25+25 | 2.13 | 2.74 | 2.74 | 2.77 | 7.60 | 8.70 | 0.76 | 2.35 | 2.92 | 3.23 | 6.1/A++ | 2.30 | 2.95 | 2.95 | 2.87 | 8.20 | 9.85 | 0.68 | 2.21 | 2.75 | 3.71 | 4.0/A+ |
| 22+25+35 | 1.98 | 2.54 | 3.39 | 2.77 | 7.90 | 8.70 | 0.76 | 2.45 | 2.92 | 3.23 | 6.1/A++ | 2.05 | 2.64 | 3.51 | 2.87 | 8.20 | 9.85 | 0.68 | 2.21 | 2.75 | 3.71 | 4.0/A+ |
| 22+25+50 | 1.63 | 2.09 | 4.18 | 2.77 | 7.90 | 8.70 | 0.76 | 2.45 | 2.92 | 3.23 | 6.1/A++ | 1.69 | 2.17 | 4.34 | 2.87 | 8.20 | 9.85 | 0.68 | 2.21 | 2.75 | 3.71 | 4.0/A+ |
| 22+35+35 | 1.78 | 3.06 | 3.06 | 2.77 | 7.90 | 8.70 | 0.76 | 2.45 | 2.92 | 3.23 | 6.1/A++ | 1.85 | 3.17 | 3.17 | 2.87 | 8.20 | 9.85 | 0.68 | 2.21 | 2.75 | 3.71 | 4.0/A+ |
| 25+25+25 | 2.64 | 2.64 | 2.64 | 2.77 | 7.91 | 8.70 | 0.76 | 2.45 | 2.92 | 3.23 | 6.3/A++ | 2.74 | 2.74 | 2.74 | 2.87 | 8.21 | 9.85 | 0.68 | 2.20 | 2.75 | 3.73 | 4.0/A+ |
| 25+25+35 | 2.37 | 2.37 | 3.16 | 2.77 | 7.90 | 8.70 | 0.76 | 2.45 | 2.92 | 3.23 | 6.3/A++ | 2.46 | 2.46 | 3.28 | 2.87 | 8.20 | 9.85 | 0.68 | 2.20 | 2.75 | 3.73 | 4.0/A+ |
| 25+35+35 | 2.15 | 2.87 | 2.87 | 2.77 | 7.90 | 8.70 | 0.76 | 2.45 | 2.92 | 3.23 | 6.3/A++ | 2.24 | 2.98 | 2.98 | 2.87 | 8.20 | 9.85 | 0.68 | 2.20 | 2.75 | 3.73 | 4.0/A+ |
| 35+35+35 | 2.63 | 2.63 | 2.63 | 2.77 | 7.90 | 8.70 | 0.76 | 2.45 | 2.92 | 3.23 | 6.3/A++ | 2.73 | 2.73 | 2.73 | 2.87 | 8.20 | 9.85 | 0.68 | 2.20 | 2.75 | 3.73 | 4.0/A+ |

Based on wall mounted combination

Optimum combinations



Compatible
WITH:

- > High wall HDMB Harmonia 25/35/50/70



White



Mirror



Grey

- > High wall HDLA Aura 22/25/35/50/70



- > Cassette CDMX 22/25/35/50/70



- > Ducted DDMX 22/35/50/70



- > Floor ceiling FDMX 50/70



ZDAA-4090 MULTISPLIT QUATTRO

| Indoor unit combination | COOLING | | | | | | | | | | | | HEATING | | | | | | | | | | | |
|-------------------------|------------------|--------|--------|--------|------------------|-------|-------|-------------------------|-------|------|------|-----------------------|------------------|--------|--------|--------|------------------|-------|-------|-------------------------|-------|------|------|-----------------------|
| | Rated power (kW) | | | | Total power (kW) | | | Power input totale (kW) | | | EER | SEER/ Energy label | Rated power (kW) | | | | Total power (kW) | | | Power input totale (kW) | | | COP | SCOP/ Energy label |
| | Unit A | Unit B | Unit C | Unit D | Min. | Rated | Max. | Min. | Rated | Max. | | | Unit A | Unit B | Unit C | Unit D | Min. | Rated | Max. | Min. | Rated | Max. | | |
| 22 | 2.00 | - | - | - | 1.58 | 2.00 | 2.90 | 0.45 | 0.61 | 0.76 | 3.28 | - | 2.50 | - | - | - | 1.58 | 2.50 | 2.90 | 0.45 | 0.67 | 0.84 | 3.71 | - |
| 25 | 2.50 | - | - | - | 1.58 | 2.50 | 3.20 | 0.45 | 0.76 | 0.95 | 3.28 | - | 3.00 | - | - | - | 1.58 | 3.00 | 3.20 | 0.45 | 0.81 | 1.01 | 3.71 | - |
| 35 | 3.50 | - | - | - | 1.58 | 3.50 | 3.90 | 0.45 | 1.07 | 1.28 | 3.28 | - | 3.80 | - | - | - | 1.58 | 3.80 | 3.90 | 0.45 | 1.02 | 1.23 | 3.71 | - |
| 50 | 5.00 | - | - | - | 1.79 | 5.00 | 6.50 | 0.58 | 1.52 | 1.75 | 3.28 | - | 5.20 | - | - | - | 1.79 | 5.20 | 7.00 | 0.55 | 1.40 | 1.61 | 3.71 | - |
| 70 | 7.00 | - | - | - | 2.21 | 7.00 | 8.00 | 0.62 | 2.13 | 2.45 | 3.28 | - | 7.20 | - | - | - | 1.79 | 7.20 | 8.00 | 0.58 | 1.94 | 2.23 | 3.71 | - |
| 22+22 | 2.10 | 2.10 | - | - | 2.21 | 4.20 | 6.30 | 0.62 | 1.28 | 2.11 | 3.28 | 5.1/A | 2.50 | 2.50 | - | - | 2.22 | 5.00 | 6.33 | 0.54 | 1.35 | 1.85 | 3.71 | 3.4/A |
| 22+25 | 2.06 | 2.64 | - | - | 2.21 | 4.70 | 6.51 | 0.62 | 1.43 | 2.28 | 3.28 | 5.1/A | 2.45 | 3.15 | - | - | 2.22 | 5.60 | 6.54 | 0.54 | 1.51 | 1.99 | 3.71 | 3.4/A |
| 22+35 | 2.03 | 3.47 | - | - | 2.21 | 5.50 | 6.83 | 0.62 | 1.68 | 2.44 | 3.28 | 5.1/A | 2.21 | 3.79 | - | - | 2.22 | 6.00 | 6.86 | 0.54 | 1.62 | 2.13 | 3.71 | 3.4/A |
| 22+50 | 1.96 | 5.04 | - | - | 2.21 | 7.00 | 8.40 | 0.62 | 2.13 | 2.86 | 3.28 | 5.2/A | 2.24 | 5.76 | - | - | 2.22 | 8.00 | 8.44 | 0.54 | 2.16 | 2.50 | 3.71 | 3.4/A |
| 22+70 | 2.03 | 6.97 | - | - | 2.21 | 9.00 | 9.45 | 0.62 | 2.74 | 3.06 | 3.28 | 5.2/A | 2.17 | 7.43 | - | - | 2.22 | 9.60 | 10.23 | 0.54 | 2.59 | 2.67 | 3.71 | 3.4/A |
| 25+25 | 2.65 | 2.65 | - | - | 2.21 | 5.30 | 6.83 | 0.62 | 1.62 | 2.44 | 3.28 | 5.2/A | 3.00 | 3.00 | - | - | 2.22 | 6.00 | 6.86 | 0.54 | 1.62 | 2.13 | 3.71 | 3.4/A |
| 25+35 | 2.57 | 3.43 | - | - | 2.21 | 6.00 | 7.35 | 0.62 | 1.83 | 2.60 | 3.28 | 5.2/A | 3.00 | 4.00 | - | - | 2.22 | 7.00 | 7.39 | 0.54 | 1.89 | 2.27 | 3.71 | 3.4/A |
| 25+50 | 2.50 | 5.00 | - | - | 2.21 | 7.50 | 9.45 | 0.62 | 2.29 | 2.93 | 3.28 | 5.2/A | 2.93 | 5.87 | - | - | 2.22 | 8.80 | 9.50 | 0.54 | 2.37 | 2.56 | 3.71 | 3.4/A |
| 25+70 | 2.59 | 6.91 | - | - | 2.21 | 9.50 | 9.98 | 0.62 | 2.90 | 3.12 | 3.28 | 5.2/A | 2.67 | 7.13 | - | - | 2.22 | 9.80 | 10.13 | 0.54 | 2.64 | 2.70 | 3.71 | 3.4/A |
| 35+35 | 3.50 | 3.50 | - | - | 2.21 | 7.00 | 7.88 | 0.62 | 2.13 | 2.76 | 3.28 | 5.2/A | 3.75 | 3.75 | - | - | 2.22 | 7.50 | 7.91 | 0.54 | 2.02 | 2.42 | 3.71 | 3.4/A |
| 35+50 | 3.40 | 5.10 | - | - | 2.21 | 8.50 | 9.98 | 0.62 | 2.59 | 2.93 | 3.28 | 5.2/A | 3.76 | 5.64 | - | - | 2.22 | 9.40 | 10.02 | 0.54 | 2.53 | 2.56 | 3.71 | 3.4/A |
| 50+70 | 3.33 | 6.67 | - | - | 2.21 | 10.00 | 10.50 | 0.62 | 3.09 | 3.19 | 3.24 | 5.2/A | 3.33 | 6.67 | - | - | 2.22 | 10.00 | 10.34 | 0.54 | 2.70 | 2.79 | 3.71 | 3.4/A |
| 50+50 | 5.00 | 5.00 | - | - | 2.21 | 10.00 | 10.50 | 0.62 | 3.09 | 3.25 | 3.24 | 5.2/A | 5.05 | 5.05 | - | - | 2.22 | 10.10 | 10.55 | 0.54 | 2.72 | 2.84 | 3.71 | 3.5/A |
| 22+22+22 | 2.00 | 2.00 | 2.00 | - | 2.84 | 6.00 | 7.35 | 0.78 | 1.80 | 2.93 | 3.33 | 5.6/A+ | 2.50 | 2.50 | 2.50 | - | 2.85 | 7.50 | 7.39 | 0.68 | 2.02 | 2.56 | 3.71 | 3.6/A |
| 22+22+25 | 1.98 | 1.98 | 2.54 | - | 2.84 | 6.50 | 7.88 | 0.78 | 1.98 | 3.09 | 3.28 | 5.6/A+ | 2.37 | 2.37 | 3.05 | - | 2.85 | 7.80 | 7.91 | 0.68 | 2.10 | 2.70 | 3.71 | 3.6/A |
| 22+22+35 | 2.02 | 2.02 | 3.46 | - | 2.84 | 7.50 | 8.93 | 0.78 | 2.29 | 3.25 | 3.28 | 5.6/A+ | 2.29 | 2.29 | 3.92 | - | 2.85 | 8.50 | 8.97 | 0.68 | 2.29 | 2.84 | 3.71 | 3.6/A |
| 22+22+50 | 1.97 | 1.97 | 5.06 | - | 2.84 | 9.00 | 11.55 | 0.78 | 2.74 | 3.58 | 3.28 | 5.8/A+ | 2.34 | 2.34 | 6.02 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 22+22+70 | 1.84 | 1.84 | 6.32 | - | 2.84 | 10.00 | 11.55 | 0.78 | 3.09 | 3.58 | 3.24 | 5.8/A+ | 1.97 | 1.97 | 6.76 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 22+25+25 | 1.96 | 2.52 | 2.52 | - | 2.84 | 7.00 | 8.93 | 0.78 | 2.13 | 3.25 | 3.28 | 5.8/A+ | 2.38 | 3.06 | 3.06 | - | 2.85 | 8.50 | 8.97 | 0.68 | 2.29 | 2.84 | 3.71 | 3.6/A |
| 22+25+35 | 2.00 | 2.57 | 3.43 | - | 2.84 | 8.00 | 9.98 | 0.78 | 2.44 | 3.41 | 3.28 | 5.8/A+ | 2.50 | 3.21 | 4.29 | - | 2.85 | 10.00 | 10.02 | 0.68 | 2.70 | 2.99 | 3.71 | 3.6/A |
| 22+25+50 | 1.96 | 2.51 | 5.03 | - | 2.84 | 9.50 | 11.55 | 0.78 | 2.93 | 3.58 | 3.24 | 5.8/A+ | 2.20 | 2.83 | 5.66 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 22+25+70 | 1.75 | 2.25 | 6.00 | - | 2.84 | 10.00 | 11.55 | 0.78 | 3.09 | 3.58 | 3.24 | 5.8/A+ | 1.87 | 2.41 | 6.42 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 22+35+35 | 2.03 | 3.48 | 3.48 | - | 2.84 | 9.00 | 10.50 | 0.78 | 2.78 | 3.41 | 3.24 | 5.8/A+ | 2.28 | 3.91 | 3.91 | - | 2.85 | 10.10 | 10.55 | 0.68 | 2.72 | 2.99 | 3.71 | 3.6/A |
| 22+35+50 | 1.89 | 3.24 | 4.86 | - | 2.84 | 10.00 | 11.55 | 0.78 | 3.09 | 3.58 | 3.24 | 5.8/A+ | 2.02 | 3.47 | 5.21 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |

| Indoor unit combination | COOLING | | | | | | | | | | | | HEATING | | | | | | | | | | | |
|-------------------------|------------------|--------|--------|--------|------------------|-------|-------|-------------------------|-------|------|------|--------------------|------------------|--------|--------|--------|------------------|-------|-------|-------------------------|-------|------|------|--------------------|
| | Rated power (kW) | | | | Total power (kW) | | | Power input totale (kW) | | | EER | SEER/ Energy label | Rated power (kW) | | | | Total power (kW) | | | Power input totale (kW) | | | COP | SCOP/ Energy label |
| | Unit A | Unit B | Unit C | Unit D | Min. | Rated | Max. | Min. | Rated | Max. | | | Unit A | Unit B | Unit C | Unit D | Min. | Rated | Max. | Min. | Rated | Max. | | |
| 22+35+70 | 1.63 | 2.79 | 5.58 | - | 2.84 | 10.00 | 11.55 | 0.78 | 3.09 | 3.58 | 3.24 | 5.8/A+ | 1.74 | 2.99 | 5.97 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 22+50+50 | 1.63 | 4.19 | 4.19 | - | 2.84 | 10.00 | 11.55 | 0.78 | 3.09 | 3.58 | 3.24 | 5.8/A+ | 1.74 | 4.48 | 4.48 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 25+25+25 | 2.50 | 2.50 | 2.50 | - | 2.84 | 7.50 | 9.98 | 0.78 | 2.31 | 3.41 | 3.24 | 5.8/A+ | 3.33 | 3.33 | 3.33 | - | 2.85 | 10.00 | 10.02 | 0.68 | 2.70 | 2.99 | 3.71 | 3.6/A |
| 25+25+35 | 2.55 | 2.55 | 3.40 | - | 2.84 | 8.50 | 10.50 | 0.78 | 2.62 | 3.41 | 3.24 | 5.8/A+ | 3.03 | 3.03 | 4.04 | - | 2.85 | 10.10 | 10.55 | 0.68 | 2.72 | 2.99 | 3.71 | 3.6/A |
| 25+25+50 | 2.50 | 2.50 | 5.00 | - | 2.84 | 10.00 | 11.55 | 0.78 | 3.09 | 3.58 | 3.24 | 5.8/A+ | 2.68 | 2.68 | 5.35 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 25+25+70 | 2.14 | 2.14 | 5.71 | - | 2.84 | 10.00 | 11.55 | 0.78 | 3.09 | 3.58 | 3.24 | 5.8/A+ | 2.29 | 2.29 | 6.11 | - | 2.73 | 10.70 | 11.11 | 0.65 | 2.88 | 2.99 | 3.71 | 3.6/A |
| 25+35+35 | 2.59 | 3.45 | 3.45 | - | 2.84 | 9.50 | 11.55 | 0.78 | 2.93 | 3.58 | 3.24 | 5.8/A+ | 2.92 | 3.89 | 3.89 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 25+35+50 | 2.31 | 3.08 | 4.62 | - | 2.84 | 10.00 | 11.55 | 0.78 | 3.09 | 3.58 | 3.24 | 5.8/A+ | 2.47 | 3.29 | 4.94 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 25+35+70 | 2.00 | 2.67 | 5.33 | - | 2.84 | 10.00 | 11.55 | 0.78 | 3.09 | 3.58 | 3.24 | 5.8/A+ | 2.14 | 2.85 | 5.71 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 25+50+50 | 2.00 | 4.00 | 4.00 | - | 2.84 | 10.00 | 11.55 | 0.78 | 3.09 | 3.58 | 3.24 | 5.8/A+ | 2.14 | 4.28 | 4.28 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 35+35+35 | 3.33 | 3.33 | 3.33 | - | 2.84 | 10.00 | 11.55 | 0.78 | 3.09 | 3.58 | 3.24 | 5.8/A+ | 3.57 | 3.57 | 3.57 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 35+35+50 | 2.86 | 2.86 | 4.29 | - | 2.84 | 10.00 | 11.55 | 0.78 | 3.09 | 3.58 | 3.24 | 5.8/A+ | 3.06 | 3.06 | 4.59 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 35+35+70 | 2.50 | 2.50 | 5.00 | - | 2.84 | 10.00 | 11.55 | 0.78 | 3.09 | 3.58 | 3.24 | 5.8/A+ | 2.68 | 2.68 | 5.35 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 35+50+50 | 2.50 | 3.75 | 3.75 | - | 2.84 | 10.00 | 11.55 | 0.78 | 3.09 | 3.58 | 3.24 | 5.8/A+ | 2.68 | 4.01 | 4.01 | - | 2.85 | 10.70 | 11.61 | 0.68 | 2.88 | 3.13 | 3.71 | 3.6/A |
| 22+22+22+22 | 2.05 | 2.05 | 2.05 | 2.05 | 3.68 | 8.20 | 10.50 | 0.88 | 2.29 | 3.25 | 3.58 | 6.1/A++ | 2.50 | 2.50 | 2.50 | 2.50 | 3.69 | 10.00 | 10.55 | 0.77 | 2.70 | 2.84 | 3.71 | 3.8/A |
| 22+22+22+25 | 1.98 | 1.98 | 1.98 | 2.55 | 3.68 | 8.50 | 11.55 | 0.88 | 2.47 | 3.41 | 3.44 | 6.1/A++ | 2.36 | 2.36 | 2.36 | 3.03 | 3.69 | 10.10 | 11.08 | 0.77 | 2.72 | 2.99 | 3.71 | 3.8/A |
| 22+22+22+35 | 2.02 | 2.02 | 2.02 | 3.45 | 3.68 | 9.50 | 12.60 | 0.88 | 2.86 | 3.84 | 3.32 | 6.1/A++ | 2.31 | 2.31 | 2.31 | 3.96 | 3.69 | 10.90 | 11.61 | 0.77 | 2.94 | 3.13 | 3.71 | 3.8/A |
| 22+22+22+50 | 1.87 | 1.87 | 1.87 | 4.80 | 3.68 | 10.40 | 13.65 | 0.88 | 3.22 | 3.97 | 3.23 | 6.2/A++ | 1.99 | 1.99 | 1.99 | 5.12 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 22+22+22+70 | 1.65 | 1.65 | 1.65 | 5.65 | 3.68 | 10.60 | 13.65 | 0.88 | 3.28 | 3.97 | 3.23 | 6.2/A++ | 1.73 | 1.73 | 1.73 | 5.92 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 22+22+25+25 | 1.97 | 1.97 | 2.53 | 2.53 | 3.68 | 9.00 | 12.60 | 0.88 | 2.71 | 3.84 | 3.32 | 6.2/A++ | 2.38 | 2.38 | 3.07 | 3.07 | 3.69 | 10.90 | 11.61 | 0.77 | 2.94 | 3.13 | 3.71 | 3.8/A |
| 22+22+25+35 | 2.00 | 2.00 | 2.57 | 3.43 | 3.68 | 10.00 | 13.13 | 0.88 | 3.09 | 3.90 | 3.24 | 6.2/A++ | 2.22 | 2.22 | 2.85 | 3.81 | 3.69 | 11.10 | 12.13 | 0.77 | 2.99 | 3.41 | 3.71 | 3.8/A |
| 22+22+25+50 | 1.81 | 1.81 | 2.33 | 4.65 | 3.68 | 10.60 | 13.65 | 0.88 | 3.28 | 3.97 | 3.23 | 6.2/A++ | 1.90 | 1.90 | 2.44 | 4.87 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 22+22+25+70 | 1.58 | 1.58 | 2.03 | 5.41 | 3.68 | 10.60 | 13.65 | 0.88 | 3.28 | 3.97 | 3.23 | 6.2/A++ | 1.65 | 1.65 | 2.13 | 5.67 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 22+22+35+35 | 1.95 | 1.95 | 3.35 | 3.35 | 3.68 | 10.60 | 13.65 | 0.88 | 3.28 | 3.97 | 3.23 | 6.2/A++ | 2.04 | 2.04 | 3.51 | 3.51 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 22+22+35+50 | 1.69 | 1.69 | 2.89 | 4.34 | 3.68 | 10.60 | 13.65 | 0.88 | 3.28 | 3.97 | 3.23 | 6.2/A++ | 1.77 | 1.77 | 3.03 | 4.54 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 22+22+50+50 | 1.48 | 1.48 | 3.82 | 3.82 | 3.68 | 10.60 | 13.65 | 0.88 | 3.28 | 3.97 | 3.23 | 6.2/A++ | 1.55 | 1.55 | 4.00 | 4.00 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 22+25+25+25 | 1.96 | 2.51 | 2.51 | 2.51 | 3.68 | 9.50 | 13.13 | 0.88 | 2.92 | 3.84 | 3.25 | 6.2/A++ | 2.29 | 2.94 | 2.94 | 2.94 | 3.69 | 11.10 | 12.13 | 0.77 | 2.99 | 3.27 | 3.71 | 3.8/A |
| 22+25+25+35 | 2.01 | 2.58 | 2.58 | 3.44 | 3.68 | 10.60 | 13.65 | 0.88 | 3.28 | 3.97 | 3.23 | 6.2/A++ | 2.10 | 2.70 | 2.70 | 3.60 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 22+25+25+50 | 1.73 | 2.22 | 2.22 | 4.44 | 3.68 | 10.60 | 13.65 | 0.88 | 3.28 | 3.97 | 3.23 | 6.2/A++ | 1.81 | 2.32 | 2.32 | 4.65 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 22+25+25+70 | 1.51 | 1.95 | 1.95 | 5.19 | 3.68 | 10.60 | 13.65 | 0.88 | 3.28 | 3.97 | 3.23 | 6.2/A++ | 1.59 | 2.04 | 2.04 | 5.44 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 22+25+50+50 | 1.86 | 2.39 | 3.18 | 3.18 | 3.68 | 10.60 | 13.65 | 0.88 | 3.28 | 3.97 | 3.23 | 6.2/A++ | 1.94 | 2.50 | 3.33 | 3.33 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 22+25+35+50 | 1.61 | 2.07 | 2.77 | 4.15 | 3.68 | 10.60 | 13.65 | 0.88 | 3.28 | 3.97 | 3.23 | 6.2/A++ | 1.69 | 2.17 | 2.90 | 4.34 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 22+25+50+50 | 1.43 | 1.83 | 3.67 | 3.67 | 3.68 | 10.60 | 13.65 | 0.88 | 3.28 | 3.97 | 3.23 | 6.2/A++ | 1.49 | 1.92 | 3.84 | 3.84 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 22+35+35+35 | 1.73 | 2.96 | 2.96 | 2.96 | 3.68 | 10.60 | 13.65 | 0.88 | 3.28 | 3.97 | 3.23 | 6.2/A++ | 1.81 | 3.10 | 3.10 | 3.10 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 22+35+35+50 | 1.51 | 2.60 | 2.60 | 3.89 | 3.68 | 10.60 | 13.65 | 0.88 | 3.28 | 3.97 | 3.23 | 6.2/A++ | 1.59 | 2.72 | 2.72 | 4.08 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 3.8/A |
| 25+25+25+25 | 2.63 | 2.63 | 2.63 | 2.63 | 3.68 | 10.50 | 13.65 | 0.88 | 3.25 | 3.97 | 3.23 | 6.3/A++ | 2.64 | 2.64 | 2.64 | 2.64 | 3.69 | 10.55 | 12.66 | 0.77 | 2.84 | 3.70 | 3.71 | 4.0/A+ |
| 25+25+25+35 | 2.42 | 2.42 | 2.42 | 3.23 | 3.68 | 10.50 | 13.65 | 0.88 | 3.25 | 3.97 | 3.23 | 6.3/A++ | 2.56 | 2.56 | 2.56 | 3.42 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 4.0/A+ |
| 25+25+25+50 | 2.10 | 2.10 | 2.10 | 4.20 | 3.68 | 10.50 | 13.65 | 0.88 | 3.25 | 3.97 | 3.23 | 6.3/A++ | 2.22 | 2.22 | 2.22 | 4.44 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 4.0/A+ |
| 25+25+35+35 | 2.25 | 2.25 | 3.00 | 3.00 | 3.68 | 10.50 | 13.65 | 0.88 | 3.25 | 3.97 | 3.23 | 6.3/A++ | 2.38 | 2.38 | 3.17 | 3.17 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 4.0/A+ |
| 25+25+35+50 | 1.97 | 1.97 | 2.63 | 3.94 | 3.68 | 10.50 | 13.65 | 0.88 | 3.25 | 3.97 | 3.23 | 6.3/A++ | 2.08 | 2.08 | 2.78 | 4.16 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 4.0/A+ |
| 25+35+35+35 | 2.10 | 2.80 | 2.80 | 2.80 | 3.68 | 10.50 | 13.65 | 0.88 | 3.25 | 3.97 | 3.23 | 6.3/A++ | 2.22 | 2.96 | 2.96 | 2.96 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 4.0/A+ |
| 25+35+35+50 | 1.85 | 2.47 | 2.47 | 3.71 | 3.68 | 10.50 | 13.65 | 0.88 | 3.25 | 3.97 | 3.23 | 6.3/A++ | 1.96 | 2.61 | 2.61 | 3.92 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 4.0/A+ |
| 35+35+35+35 | 2.63 | 2.63 | 2.63 | 2.63 | 3.68 | 10.50 | 13.65 | 0.88 | 3.25 | 3.97 | 3.23 | 6.3/A++ | 2.78 | 2.78 | 2.78 | 2.78 | 3.69 | 11.10 | 12.66 | 0.77 | 2.99 | 3.70 | 3.71 | 4.0/A+ |

Based on wall mounted combination

Optimum combinations

DC Inverter Reversible



Compatible WITH:

> High wall HDMB Harmonia 25/35/50/70



White



Mirror



> High wall HDLA Aura 22/25/35/50/70



> Cassette CDMX 22/25/35/50/70



> Ducted DDMX 22/35/50/70



> Floor ceiling FDMX 50/70



ZDAA-5130 MULTISPLIT CINCO Grey

| Indoor unit combination | COOLING | | | | | | | | | | | | HEATING | | | | | | | | | | | | | |
|-------------------------|------------------|--------|--------|--------|--------|------------------|-------|-------|-------------------------|-------|------|------|--------------------|------------------|--------|--------|--------|--------|------------------|-------|-------|-------------------------|-------|------|--------------------|-------|
| | Rated power (kW) | | | | | Total power (kW) | | | Power input totale (kW) | | | | SEER/ Energy label | Rated power (kW) | | | | | Total power (kW) | | | Power input totale (kW) | | | SCOP/ Energy label | |
| | Unit A | Unit B | Unit C | Unit E | Unit D | Min. | Rated | Max. | Min. | Rated | Max. | EER | | Unit A | Unit B | Unit C | Unit D | Unit E | Min. | Rated | Max. | Min. | Rated | Max. | | COP |
| 22 | 2.00 | - | - | - | - | 1.66 | 2.00 | 2.90 | 0.45 | 1.02 | 1.28 | 1.96 | - | 2.50 | - | - | - | - | 1.66 | 2.50 | 2.90 | 0.45 | 0.67 | 0.83 | 3.75 | - |
| 25 | 2.50 | - | - | - | - | 1.66 | 2.50 | 3.20 | 0.45 | 1.28 | 1.60 | 1.96 | - | 3.00 | - | - | - | - | 1.66 | 3.00 | 3.20 | 0.45 | 0.80 | 1.00 | 3.75 | - |
| 35 | 3.50 | - | - | - | - | 1.66 | 3.50 | 3.90 | 0.45 | 1.79 | 2.15 | 1.96 | - | 3.80 | - | - | - | - | 1.66 | 3.80 | 3.90 | 0.45 | 1.01 | 1.22 | 3.75 | - |
| 50 | 5.00 | - | - | - | - | 1.85 | 5.00 | 6.50 | 0.58 | 1.98 | 2.28 | 2.52 | - | 5.20 | - | - | - | - | 1.85 | 5.20 | 7.00 | 0.58 | 1.38 | 1.59 | 3.78 | - |
| 70 | 7.00 | - | - | - | - | 2.09 | 7.00 | 8.20 | 0.70 | 2.30 | 2.42 | 3.04 | - | 7.20 | - | - | - | - | 2.09 | 7.20 | 8.50 | 0.70 | 1.90 | 2.00 | 3.76 | - |
| 22+22 | 2.10 | 2.10 | - | - | - | 2.34 | 4.20 | 7.38 | 0.65 | 1.49 | 2.21 | 2.81 | 5.1/A | 2.50 | 2.50 | - | - | - | 2.34 | 5.00 | 7.39 | 0.56 | 1.32 | 1.92 | 3.80 | 3.0/C |
| 22+25 | 2.06 | 2.64 | - | - | - | 2.34 | 4.70 | 7.63 | 0.65 | 1.67 | 2.36 | 2.81 | 5.1/A | 2.45 | 3.15 | - | - | - | 2.34 | 5.60 | 7.63 | 0.56 | 1.47 | 2.06 | 3.80 | 3.0/C |
| 22+35 | 2.03 | 3.47 | - | - | - | 2.34 | 5.50 | 8.00 | 0.65 | 1.95 | 2.55 | 2.81 | 5.1/A | 2.21 | 3.79 | - | - | - | 2.34 | 6.00 | 8.00 | 0.56 | 1.58 | 2.22 | 3.80 | 3.0/C |
| 22+50 | 1.96 | 5.04 | - | - | - | 2.34 | 7.00 | 9.84 | 0.65 | 2.49 | 2.70 | 2.81 | 5.1/A | 2.24 | 5.76 | - | - | - | 2.34 | 8.00 | 9.85 | 0.56 | 2.11 | 2.36 | 3.80 | 3.0/C |
| 22+70 | 2.05 | 7.05 | - | - | - | 2.34 | 9.10 | 11.69 | 0.65 | 3.23 | 3.05 | 2.81 | 5.1/A | 2.21 | 7.59 | - | - | - | 2.34 | 9.80 | 11.69 | 0.56 | 2.58 | 2.65 | 3.80 | 3.0/C |
| 25+25 | 2.65 | 2.65 | - | - | - | 2.34 | 5.30 | 8.00 | 0.65 | 1.88 | 2.55 | 2.81 | 5.1/A | 3.00 | 3.00 | - | - | - | 2.34 | 6.00 | 8.00 | 0.56 | 1.58 | 2.22 | 3.80 | 3.0/C |
| 25+35 | 2.57 | 3.43 | - | - | - | 2.34 | 6.00 | 8.61 | 0.65 | 2.13 | 2.59 | 2.81 | 5.1/A | 2.91 | 3.89 | - | - | - | 2.34 | 6.80 | 8.62 | 0.56 | 1.79 | 2.26 | 3.80 | 3.0/C |
| 25+50 | 2.50 | 5.00 | - | - | - | 2.34 | 7.50 | 11.07 | 0.65 | 2.66 | 2.86 | 2.81 | 5.1/A | 2.93 | 5.87 | - | - | - | 2.34 | 8.80 | 11.08 | 0.56 | 2.32 | 2.49 | 3.80 | 3.0/C |
| 25+70 | 2.65 | 7.05 | - | - | - | 2.34 | 9.70 | 12.30 | 0.65 | 3.45 | 3.24 | 2.81 | 5.1/A | 2.78 | 7.42 | - | - | - | 2.34 | 10.20 | 12.31 | 0.56 | 2.68 | 2.82 | 3.80 | 3.0/C |
| 35+35 | 3.50 | 3.50 | - | - | - | 2.34 | 7.00 | 9.23 | 0.65 | 2.49 | 2.70 | 2.81 | 5.1/A | 3.75 | 3.75 | - | - | - | 2.34 | 7.50 | 9.23 | 0.56 | 1.97 | 2.36 | 3.80 | 3.0/C |
| 35+50 | 3.40 | 5.10 | - | - | - | 2.34 | 8.50 | 11.69 | 0.65 | 3.02 | 3.12 | 2.81 | 5.1/A | 3.76 | 5.64 | - | - | - | 2.34 | 9.40 | 11.69 | 0.56 | 2.47 | 2.72 | 3.80 | 3.0/C |
| 35+70 | 3.33 | 6.67 | - | - | - | 2.34 | 10.00 | 12.30 | 0.65 | 3.55 | 3.43 | 2.81 | 5.1/A | 3.50 | 7.00 | - | - | - | 2.34 | 10.50 | 12.31 | 0.56 | 2.76 | 2.99 | 3.80 | 3.0/C |
| 50+50 | 5.25 | 5.25 | - | - | - | 2.34 | 10.50 | 12.30 | 0.65 | 3.73 | 3.43 | 2.81 | 5.1/A | 5.50 | 5.50 | - | - | - | 2.34 | 11.00 | 12.31 | 0.56 | 2.89 | 2.99 | 3.80 | 3.0/C |
| 50+70 | 4.93 | 6.57 | - | - | - | 2.34 | 11.50 | 12.50 | 0.65 | 3.88 | 3.43 | 2.96 | 5.1/A | 4.93 | 6.57 | - | - | - | 2.34 | 11.50 | 12.51 | 0.56 | 3.01 | 2.99 | 3.82 | 3.0/C |
| 22+22+22 | 2.00 | 2.00 | 2.00 | - | - | 2.89 | 6.00 | 7.38 | 0.80 | 1.73 | 3.05 | 3.48 | 5.3/A | 2.50 | 2.50 | 2.50 | - | - | 2.89 | 7.50 | 8.62 | 0.70 | 1.95 | 2.65 | 3.85 | 3.2/B |
| 22+22+25 | 1.98 | 1.98 | 2.54 | - | - | 2.89 | 6.50 | 8.61 | 0.80 | 1.87 | 3.24 | 3.48 | 5.3/A | 2.37 | 2.37 | 3.05 | - | - | 2.89 | 7.80 | 9.23 | 0.70 | 2.03 | 2.82 | 3.85 | 3.2/B |
| 22+22+35 | 2.02 | 2.02 | 3.46 | - | - | 2.89 | 7.50 | 9.23 | 0.80 | 2.16 | 3.43 | 3.48 | 5.3/A | 2.29 | 2.29 | 3.92 | - | - | 2.89 | 8.50 | 9.85 | 0.70 | 2.21 | 2.99 | 3.85 | 3.2/B |
| 22+22+50 | 1.97 | 1.97 | 5.06 | - | - | 2.89 | 9.00 | 11.07 | 0.80 | 2.59 | 3.62 | 3.48 | 5.3/A | 2.52 | 2.52 | 6.47 | - | - | 2.89 | 11.50 | 12.31 | 0.70 | 2.99 | 3.15 | 3.85 | 3.2/B |
| 22+22+70 | 2.03 | 2.03 | 6.95 | - | - | 2.89 | 11.00 | 12.92 | 0.80 | 3.16 | 3.81 | 3.48 | 5.3/A | 2.21 | 2.21 | 7.58 | - | - | 2.89 | 12.00 | 12.92 | 0.70 | 3.12 | 3.32 | 3.85 | 3.2/B |
| 22+25+25 | 1.96 | 2.52 | 2.52 | - | - | 2.89 | 7.00 | 9.23 | 0.80 | 2.01 | 3.35 | 3.48 | 5.3/A | 2.38 | 3.06 | 3.06 | - | - | 2.89 | 8.50 | 9.85 | 0.70 | 2.21 | 2.92 | 3.85 | 3.2/B |
| 22+25+35 | 2.00 | 2.57 | 3.43 | - | - | 2.89 | 8.00 | 10.46 | 0.80 | 2.30 | 3.50 | 3.48 | 5.3/A | 2.50 | 3.21 | 4.29 | - | - | 2.89 | 10.00 | 12.31 | 0.70 | 2.60 | 3.05 | 3.85 | 3.2/B |
| 22+25+50 | 1.96 | 2.51 | 5.03 | - | - | 2.89 | 9.50 | 11.07 | 0.80 | 2.73 | 3.73 | 3.48 | 5.3/A | 2.37 | 3.04 | 6.09 | - | - | 2.89 | 11.50 | 12.31 | 0.70 | 2.99 | 3.25 | 3.85 | 3.2/B |
| 22+25+70 | 2.01 | 2.59 | 6.90 | - | - | 2.89 | 11.50 | 12.92 | 0.80 | 3.31 | 3.96 | 3.48 | 5.3/A | 2.10 | 2.70 | 7.20 | - | - | 2.89 | 12.00 | 12.92 | 0.70 | 3.12 | 3.45 | 3.85 | 3.2/B |
| 22+35+35 | 2.03 | 3.48 | 3.48 | - | - | 2.89 | 9.00 | 11.07 | 0.80 | 2.59 | 3.62 | 3.48 | 5.3/A | 2.48 | 4.26 | 4.26 | - | - | 2.89 | 11.00 | 12.31 | 0.70 | 2.86 | 3.15 | 3.85 | 3.2/B |
| 22+35+50 | 1.99 | 3.41 | 5.11 | - | - | 2.89 | 10.50 | 12.30 | 0.80 | 3.02 | 3.81 | 3.48 | 5.3/A | 2.18 | 3.73 | 5.59 | - | - | 2.89 | 11.50 | 12.31 | 0.70 | 2.99 | 3.32 | 3.85 | 3.2/B |
| 22+35+70 | 1.87 | 3.21 | 6.42 | - | - | 2.89 | 11.50 | 12.92 | 0.80 | 3.31 | 3.96 | 3.48 | 5.3/A | 1.95 | 3.35 | 6.70 | - | - | 2.89 | 12.00 | 12.92 | 0.70 | 3.12 | 3.45 | 3.85 | 3.2/B |
| 22+50+50 | 1.87 | 4.81 | 4.81 | - | - | 2.89 | 11.50 | 12.92 | 0.80 | 3.31 | 3.96 | 3.48 | 5.3/A | 1.95 | 5.02 | 5.02 | - | - | 2.89 | 12.00 | 12.92 | 0.70 | 3.12 | 3.45 | 3.85 | 3.2/B |
| 25+25+25 | 2.67 | 2.67 | 2.67 | - | - | 2.89 | 8.00 | 10.46 | 0.80 | 2.30 | 3.81 | 3.48 | 5.3/A | 3.33 | 3.33 | 3.33 | - | - | 2.89 | 10.00 | 12.31 | 0.70 | 2.60 | 3.32 | 3.85 | 3.2/B |
| 25+25+35 | 2.70 | 2.70 | 3.60 | - | - | 2.89 | 9.00 | 12.92 | 0.80 | 2.59 | 3.62 | 3.48 | 5.3/A | 3.30 | 3.30 | 4.40 | - | - | 2.89 | 11.00 | 12.31 | 0.70 | 2.86 | 3.15 | 3.85 | 3.2/B |
| 25+25+50 | 2.63 | 2.63 | 5.25 | - | - | 2.89 | 10.50 | 12.30 | 0.80 | 3.02 | 3.81 | 3.48 | 5.3/A | 2.88 | 2.88 | 5.75 | - | - | 2.89 | 11.50 | 12.31 | 0.70 | 2.99 | 3.32 | 3.85 | 3.2/B |
| 25+25+70 | 2.46 | 2.46 | 6.57 | - | - | 2.89 | 11.50 | 12.92 | 0.80 | 3.31 | 3.96 | 3.48 | 5.3/A | 2.57 | 2.57 | 6.86 | - | - | 2.89 | 12.00 | 12.92 | 0.70 | 3.12 | 3.45 | 3.85 | 3.2/B |
| 25+35+35 | 2.45 | 3.27 | 3.27 | - | - | 2.89 | 9.00 | 11.07 | 0.80 | 2.59 | 3.62 | 3.48 | 5.3/A | 3.14 | 4.18 | 4.18 | - | - | 2.89 | 11.50 | 12.31 | 0.70 | 2.99 | 3.15 | 3.85 | 3.2/B |
| 25+35+50 | 2.54 | 3.38 | 5.08 | - | - | 2.89 | 11.00 | 11.69 | 0.80 | 3.16 | 3.81 | 3.48 | 5.3/A | 2.77 | 3.69 | 5.54 | - | - | 2.89 | 12.00 | 12.92 | 0.70 | 3.12 | 3.32 | 3.85 | 3.2/B |
| 25+35+70 | 2.30 | 3.07 | 6.13 | - | - | 2.89 | 11.50 | 12.92 | 0.80 | 3.31 | 3.96 | 3.48 | 5.3/A | 2.40 | 3.20 | 6.40 | - | - | 2.89 | 12.00 | 12.92 | 0.70 | 3.12 | 3.45 | 3.85 | 3.2/B |
| 25+50+50 | 2.40 | 4.80 | 4.80 | - | - | 2.89 | 12.00 | 12.92 | 0.80 | 3.45 | 3.96 | 3.48 | 5.3/A | 2.40 | 4.80 | 4.80 | - | - | 2.89 | 12.00 | 12.92 | 0.70 | 3.12 | 3.45 | 3.85 | 3.2/B |
| 35+35+35 | 3.17 | 3.17 | 3.17 | - | - | 2.89 | 9.50 | 11.07 | 0.80 | 2.73 | 3.73 | 3.48 | 5.3/A | 3.83 | 3.83 | 3.83 | - | - | 2.89 | 11.50 | 12.31 | 0.70 | 2.99 | 3.25 | 3.85 | 3.2/B |
| 35+35+50 | 3.29 | 3.29 | 4.93 | - | - | 2.89 | 11.50 | 12.92 | 0.80 | 3.31 | 3.96 | 3.48 | 5.3/A | 3.43 | 3.43 | 5.14 | - | - | 2.89 | 12.00 | 12.92 | 0.70 | 3.12 | 3.45 | 3.85 | 3.2/B |
| 35+35+70 | 3.00 | 3.00 | 6.00 | - | - | 2.89 | 12.00 | 12.92 | 0.80 | 3.45 | 3.96 | 3.48 | 5.3/A | 3.00 | 3.00 | 6.00 | - | - | 2.89 | 12.00 | 12.92 | 0.70 | 3.12 | 3.45 | 3.85 | 3.2/B |
| 35+50+50 | 3.00 | 4.50 | 4.50 | - | - | 2.89 | 12.00 | 12.92 | 0.80 | 3.45 | 3.96 | 3.48 | 5.3/A | 3.00 | 4.50 | 4.50 | - | - | 2.89 | 12.00 | 12.92 | 0.70 | 3.12 | 3.45 | 3.85 | 3.2/B |
| 35+50+70 | 2.67 | 4.00 | 5.33 | - | - | 2.89 | 12.00 | 12.92 | 0.80 | 3.45 | 3.96 | 2.89 | 5.3/A | 2.67 | 4.00 | 5.33 | - | - | 2.89 | 12.00 | 12.92 | 0.70 | 3.12 | 3.45 | 3.85 | 3.2/B |
| 50+50+50 | 4.00 | 4.00 | 4.00 | - | - | 2.89 | 12.00 | 12.92 | 0.80 | 4.15 | 3.96 | 2.89 | 5.3/A | 4.00 | 4.00 | 4.00 | - | - | 2.89 | 12.00 | 12.92 | 0.70 | 3.09 | 3.45 | 3.88 | 3.2/B |
| 22+22+22+22 | 2.00 | 2.00 | 2.00 | 2.00 | - | 3.69 | 8.00 | 10.50 | 0.91 | 2.63 | 3.43 | 3.04 | 5.6/A+ | 2.50 | 2.50 | 2.50 | 2.50 | - | 3.69 | 10.00 | 12.68 | 0.80 | 2.56 | 2.99 | 3.91 | 3.4/A |
| 22+22+22+25 | 1.98 | 1.98 | 1.98 | 2.55 | - | 3.69 | 8.50 | 11.07 | 0.91 | 2.81 | 3.62 | 3.02 | 5.6/A+ | 2.57 | 2.57 | 2.57 | 3.30 | - | 3.69 | 11.00 | 12.92 | 0.80 | | | | |

| Indoor unit combination | COOLING | | | | | | | | | | | | | HEATING | | | | | | | | | | | | |
|-------------------------|------------------|--------|--------|--------|--------|------------------|-------|-------|-------------------------|-------|------|------|--------------------|------------------|--------|--------|--------|--------|------------------|-------|-------|-------------------------|-------|------|-------|--------------------|
| | Rated power (kW) | | | | | Total power (kW) | | | Power input totale (kW) | | | EER | SEER/ Energy label | Rated power (kW) | | | | | Total power (kW) | | | Power input totale (kW) | | | COP | SCOP/ Energy label |
| | Unit A | Unit B | Unit C | Unit E | Unit D | Min. | Rated | Max. | Min. | Rated | Max. | | | Unit A | Unit B | Unit C | Unit E | Unit D | Min. | Rated | Max. | Min. | Rated | Max. | | |
| 22+22+50+70 | 1.55 | 1.55 | 3.99 | 5.31 | - | 3.69 | 12.40 | 13.53 | 0.91 | 4.29 | 4.38 | 2.89 | 5.6/A+ | 1.54 | 1.54 | 3.95 | 5.27 | - | 3.69 | 12.30 | 13.54 | 0.80 | 3.15 | 3.82 | 3.91 | 3.4/A |
| 22+25+25+25 | 2.06 | 2.65 | 2.65 | 2.65 | - | 3.69 | 10.00 | 12.90 | 0.91 | 3.35 | 4.19 | 2.99 | 5.6/A+ | 2.47 | 3.18 | 3.18 | 3.18 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.65 | 3.91 | 3.4/A |
| 22+25+25+35 | 1.99 | 2.55 | 2.55 | 3.41 | - | 3.69 | 10.50 | 12.90 | 0.91 | 3.55 | 4.19 | 2.96 | 5.6/A+ | 2.27 | 2.92 | 2.92 | 3.89 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.65 | 3.91 | 3.4/A |
| 22+25+25+50 | 1.87 | 2.41 | 2.41 | 4.81 | - | 3.69 | 11.50 | 13.53 | 0.91 | 3.96 | 4.19 | 2.91 | 5.6/A+ | 1.95 | 2.51 | 2.51 | 5.02 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.65 | 3.91 | 3.4/A |
| 22+25+25+70 | 1.77 | 2.28 | 2.28 | 6.07 | - | 3.69 | 12.40 | 13.53 | 0.91 | 4.29 | 4.38 | 2.89 | 5.6/A+ | 1.76 | 2.26 | 2.26 | 6.02 | - | 3.69 | 12.30 | 13.54 | 0.80 | 3.15 | 3.82 | 3.91 | 3.4/A |
| 22+25+35+35 | 2.01 | 2.59 | 3.45 | 3.45 | - | 3.69 | 11.50 | 13.53 | 0.91 | 3.92 | 4.19 | 2.93 | 5.6/A+ | 2.10 | 2.70 | 3.60 | 3.60 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.65 | 3.91 | 3.4/A |
| 22+25+35+50 | 1.83 | 2.35 | 3.13 | 4.70 | - | 3.69 | 12.00 | 13.53 | 0.91 | 4.15 | 4.38 | 2.89 | 5.6/A+ | 1.83 | 2.35 | 3.13 | 4.70 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.82 | 3.91 | 3.4/A |
| 22+25+35+70 | 1.67 | 2.15 | 2.86 | 5.72 | - | 3.69 | 12.40 | 13.53 | 0.91 | 4.29 | 4.38 | 2.89 | 5.6/A+ | 1.66 | 2.13 | 2.84 | 5.68 | - | 3.69 | 12.30 | 13.54 | 0.80 | 3.15 | 3.82 | 3.91 | 3.4/A |
| 22+25+50+50 | 1.67 | 2.15 | 4.29 | 4.29 | - | 3.69 | 12.40 | 13.53 | 0.91 | 4.29 | 4.38 | 2.89 | 5.6/A+ | 1.62 | 2.08 | 4.15 | 4.15 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.82 | 3.91 | 3.4/A |
| 22+25+50+70 | 1.50 | 1.92 | 3.85 | 5.13 | - | 3.69 | 12.40 | 13.53 | 0.91 | 4.27 | 4.38 | 2.91 | 5.6/A+ | 1.48 | 1.91 | 3.82 | 5.09 | - | 3.69 | 12.30 | 13.54 | 0.80 | 3.15 | 3.82 | 3.91 | 3.4/A |
| 22+35+35+35 | 1.87 | 3.21 | 3.21 | 3.21 | - | 3.69 | 11.50 | 13.53 | 0.91 | 3.96 | 4.19 | 2.91 | 5.6/A+ | 1.95 | 3.35 | 3.35 | 3.35 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.65 | 3.91 | 3.4/A |
| 22+35+35+50 | 1.71 | 2.94 | 2.94 | 4.41 | - | 3.69 | 12.00 | 13.53 | 0.91 | 4.15 | 4.38 | 2.89 | 5.6/A+ | 1.71 | 2.94 | 2.94 | 4.41 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.82 | 3.91 | 3.4/A |
| 22+35+50+50 | 1.58 | 2.71 | 2.71 | 5.41 | - | 3.69 | 12.40 | 13.53 | 0.91 | 4.29 | 4.38 | 2.89 | 5.6/A+ | 1.57 | 2.68 | 2.68 | 5.37 | - | 3.69 | 12.30 | 13.54 | 0.80 | 3.15 | 3.82 | 3.91 | 3.4/A |
| 22+35+50+70 | 1.58 | 2.71 | 4.06 | 4.06 | - | 3.69 | 12.40 | 13.53 | 0.91 | 4.29 | 4.38 | 2.89 | 5.6/A+ | 1.53 | 2.62 | 3.93 | 3.93 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.82 | 3.91 | 3.4/A |
| 25+25+25+25 | 2.63 | 2.63 | 2.63 | 2.63 | - | 3.69 | 10.50 | 12.92 | 0.91 | 3.54 | 4.19 | 2.97 | 5.6/A+ | 3.00 | 3.00 | 3.00 | 3.00 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.65 | 3.91 | 3.4/A |
| 25+25+25+35 | 2.65 | 2.65 | 2.65 | 3.54 | - | 3.69 | 11.50 | 13.53 | 0.91 | 3.91 | 4.19 | 2.94 | 5.6/A+ | 2.77 | 2.77 | 2.77 | 3.69 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.65 | 3.91 | 3.4/A |
| 25+25+25+50 | 2.40 | 2.40 | 2.40 | 4.80 | - | 3.69 | 12.00 | 13.53 | 0.91 | 4.15 | 4.38 | 2.89 | 5.6/A+ | 2.40 | 2.40 | 2.40 | 4.80 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.82 | 3.91 | 3.4/A |
| 25+25+25+70 | 2.19 | 2.19 | 2.19 | 5.84 | - | 3.69 | 12.40 | 13.53 | 0.91 | 4.29 | 4.38 | 2.89 | 5.6/A+ | 2.17 | 2.17 | 2.17 | 5.79 | - | 3.69 | 12.30 | 13.54 | 0.80 | 3.15 | 3.82 | 3.91 | 3.4/A |
| 25+25+35+35 | 2.46 | 2.46 | 3.29 | 3.29 | - | 3.69 | 11.50 | 13.53 | 0.91 | 3.95 | 4.19 | 2.91 | 5.6/A+ | 2.57 | 2.57 | 3.43 | 3.43 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.65 | 3.91 | 3.4/A |
| 25+25+35+50 | 2.25 | 2.25 | 3.00 | 4.50 | - | 3.69 | 12.00 | 13.53 | 0.91 | 4.15 | 4.38 | 2.89 | 5.6/A+ | 2.25 | 2.25 | 3.00 | 4.50 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.82 | 3.91 | 3.4/A |
| 25+25+35+70 | 2.07 | 2.07 | 2.76 | 5.51 | - | 3.69 | 12.40 | 13.53 | 0.91 | 4.29 | 4.38 | 2.89 | 5.6/A+ | 2.05 | 2.05 | 2.73 | 5.47 | - | 3.69 | 12.30 | 13.54 | 0.80 | 3.15 | 3.82 | 3.91 | 3.4/A |
| 25+25+50+50 | 2.07 | 2.07 | 4.13 | 4.13 | - | 3.69 | 12.40 | 13.53 | 0.91 | 4.29 | 4.38 | 2.89 | 5.6/A+ | 2.00 | 2.00 | 4.00 | 4.00 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.82 | 3.91 | 3.4/A |
| 25+35+35+35 | 2.30 | 3.07 | 3.07 | 3.07 | - | 3.69 | 11.50 | 13.53 | 0.91 | 3.98 | 4.19 | 2.89 | 5.6/A+ | 2.40 | 3.20 | 3.20 | 3.20 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.65 | 3.91 | 3.4/A |
| 25+35+35+50 | 2.19 | 2.92 | 2.92 | 4.38 | - | 3.69 | 12.40 | 13.53 | 0.91 | 4.29 | 4.38 | 2.89 | 5.6/A+ | 2.12 | 2.82 | 2.82 | 4.24 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.82 | 3.91 | 3.4/A |
| 25+35+35+70 | 1.96 | 2.61 | 2.61 | 5.22 | - | 3.69 | 12.40 | 13.53 | 0.91 | 4.29 | 4.38 | 2.89 | 5.6/A+ | 1.94 | 2.59 | 2.59 | 5.18 | - | 3.69 | 12.30 | 13.54 | 0.80 | 3.15 | 3.82 | 3.91 | 3.4/A |
| 25+35+50+50 | 1.96 | 2.61 | 3.92 | 3.92 | - | 3.69 | 12.40 | 13.53 | 0.91 | 4.29 | 4.38 | 2.89 | 5.6/A+ | 1.89 | 2.53 | 3.79 | 3.79 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.82 | 3.91 | 3.4/A |
| 35+35+35+35 | 2.88 | 2.88 | 2.88 | 2.88 | - | 3.69 | 11.50 | 13.53 | 0.91 | 3.98 | 4.19 | 2.89 | 5.6/A+ | 3.00 | 3.00 | 3.00 | 3.00 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.65 | 3.91 | 3.4/A |
| 35+35+35+70 | 2.76 | 2.76 | 2.76 | 4.13 | - | 3.69 | 12.40 | 13.53 | 0.91 | 4.29 | 4.38 | 2.89 | 5.6/A+ | 2.67 | 2.67 | 2.67 | 4.00 | - | 3.69 | 12.00 | 13.54 | 0.80 | 3.07 | 3.82 | 3.91 | 3.4/A |
| 22+22+22+22+22 | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 2.46 | 2.46 | 2.46 | 2.46 | 2.46 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+22+22+25 | 2.33 | 2.33 | 2.33 | 2.33 | 2.99 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 2.33 | 2.33 | 2.33 | 2.33 | 2.99 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+22+22+35 | 2.15 | 2.15 | 2.15 | 2.15 | 3.69 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 2.15 | 2.15 | 2.15 | 3.69 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A | |
| 22+22+22+22+50 | 1.87 | 1.87 | 1.87 | 1.87 | 4.81 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 1.87 | 1.87 | 1.87 | 1.87 | 4.81 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+22+22+70 | 1.66 | 1.66 | 1.66 | 1.66 | 5.68 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 1.66 | 1.66 | 1.66 | 5.68 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A | |
| 22+22+22+25+25 | 2.21 | 2.21 | 2.21 | 2.84 | 2.84 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 2.21 | 2.21 | 2.21 | 2.84 | 2.84 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+22+25+35 | 2.05 | 2.05 | 2.05 | 2.64 | 3.51 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 2.05 | 2.05 | 2.05 | 2.64 | 3.51 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+22+25+50 | 1.79 | 1.79 | 1.79 | 2.31 | 4.61 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 1.79 | 1.79 | 1.79 | 2.31 | 4.61 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+22+25+70 | 1.59 | 1.59 | 1.59 | 2.05 | 5.47 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 1.59 | 1.59 | 1.59 | 2.05 | 5.47 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+22+35+35 | 1.91 | 1.91 | 1.91 | 3.28 | 3.28 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 1.91 | 1.91 | 1.91 | 3.28 | 3.28 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+22+35+50 | 1.69 | 1.69 | 1.69 | 2.89 | 4.34 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 1.69 | 1.69 | 1.69 | 2.89 | 4.34 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+22+35+70 | 1.51 | 1.51 | 1.51 | 2.59 | 5.18 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 1.51 | 1.51 | 1.51 | 2.59 | 5.18 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+22+50+50 | 1.51 | 1.51 | 1.51 | 3.88 | 3.88 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 1.51 | 1.51 | 1.51 | 3.88 | 3.88 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+25+25+25 | 2.10 | 2.10 | 2.70 | 2.70 | 2.70 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 2.10 | 2.10 | 2.70 | 2.70 | 2.70 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+25+25+35 | 1.96 | 1.96 | 2.52 | 2.52 | 3.35 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 1.96 | 1.96 | 2.52 | 2.52 | 3.35 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+25+25+50 | 1.72 | 1.72 | 2.21 | 2.21 | 4.43 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 1.72 | 1.72 | 2.21 | 2.21 | 4.43 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+25+25+70 | 1.54 | 1.54 | 1.98 | 1.98 | 5.27 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 1.54 | 1.54 | 1.98 | 1.98 | 5.27 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+25+35+35 | 1.83 | 1.83 | 2.36 | 3.14 | 3.14 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 1.83 | 1.83 | 2.36 | 3.14 | 3.14 | 4.19 | 12.30 | 14.96 | 0.90 | 3.32 | 4.15 | 3.71 | 3.8/A |
| 22+22+25+35+50 | 1.62 | 1.62 | 2.09 | 2.78 | 4.18 | 4.18 | 12.30 | 14.00 | 1.03 | 3.81 | 4.57 | 3.23 | 6.1/A++ | 1.62 | 1.62 | 2.09 | 2.78 | 4. | | | | | | | | |



INDUSTRIAL

Range

| MODEL | REFRI-GERANT TYPE | 2.5 | 3 | 4 | 4.5 | 5 | 6.5 | 7.5 | 9.5 | 12 | 15 | 20 | HP kBTU/h kW |
|---|-------------------|---------|---------|----------|------------|----------|----------|----------|----------|-----------|-----------|-----------|--------------------|
| | | 18 5 | 24 7 | 36 10 | 42 12.5 | 48 14 | 60 17 | 68 19 | 85 24 | 102 30 | 136 40 | 190 55 | |
| <p>p.56</p>  <p>SXT Telecom R410A</p> <p>FLOOR CEILING <i>Designed for telecom shelters</i></p> | R410A | • | • | • | | • | | | | | | | |
| <p>p.58</p>  <p>X AC CONA R407C</p> <p>VERTICAL AIR CABINET <i>Electro-mechanical system</i></p> | R407C | | | | • | | • | • | | • | • | • | |
| <p>p.60</p>  <p>DDHA R410A</p> <p>HIGH-PRESSURE DUCTED <i>250 Pa static pressure</i></p> | R410A | | | | | | | • | • | • | • | | |



Fixed speed
Reversible

SXT TELECOM

Floor ceiling

+ PRODUCT

- RC08A remote control included (see page 84)
- All-seasons kit included: down to -15°C in cooling mode
- Dry multi-contact gateway

FEATURES

TECHNOLOGY



ELECTRONIC EXPANSION VALVE

AIR QUALITY/CLEAN



ANTIBACTERIAL FILTER

USER FUNCTIONS



PROGRAMMABLE TIMER



I FEEL



NIGHT MODE



SUPER QUIET



REMOTE CONTROL LOCK



AUTO RESTART (MEMORY)

INSTALLER FUNCTIONS



AUTO-DIAGNOSTIC



+ "TECHNOLOGY"

- > Speed regulator.
- > Fire protection system preventing thermal and electrical overloads.

+ "USER"

- > "I Feel" function: temperature sensor housed remotely in the infrared remote control.
- > Available in three-phase from 10 kW.

+ "INSTALLER"

- > Auto-diagnostic (error indicator) for ease of maintenance.
- > Dry contact.
- > HP switch included.
- > LP switch included (except sizes 18 and 24).

OPTIONS

| ACCESSORY | PART NUMBER | PICTURE | FUNCTION |
|----------------------------|-------------|---------|---|
| Wired remote control RCW23 | 7ACEL1827 | | <ul style="list-style-type: none"> • Holiday mode, night mode, auto mode... • Option of connecting two wired remote controls to a single unit. • Fault codes display. • Fault codes memory. |
| Multi-contact board | 7ACEL1826 | | <ul style="list-style-type: none"> • Air conditioning external control. |

TECHNICAL DATA

| INDOOR UNIT | | AWSI-SXT018-N11 | AWSI-SXT024-N11 | AWSI-SXT036-N11 | AWSI-SXT048-N11 |
|-------------|--|-----------------|-----------------|-----------------|-----------------|
| Part number | | | | | |
| Phase | | Single-phase | Single-phase | Three-phase | Three-phase |

| COOLING | | | | | |
|-------------------|----|------------------|------|-------|-------|
| Rated power | kW | 5.00 | 7.30 | 10.10 | 14.10 |
| Rated power input | kW | 1.65 | 2.25 | 3.20 | 4.50 |
| EER | | 3.03 | 3.24 | 3.16 | 3.13 |
| Operating limits | °C | -15~48° Dry bulb | | | |

| INDOOR UNIT | | | | | |
|---|-------|-----------------|---------------------|---------------------|---------------------|
| Sound pressure level at 1 m (VL/LS/MS/HS) | dB(A) | 33/37/40/41 | 41/44/46/47 | 48/49/50/51 | 51/52/53/54 |
| Sound level (VL/LS/MS/HS) | dB(A) | 43/47/50/51 | 51/54/56/57 | 58/59/60/61 | 61/62/63/64 |
| Airflow (VL/LS/MS/HS) | m³/h | 400/500/600/700 | 1000/1200/1300/1400 | 1300/1400/1500/1700 | 1900/2000/2100/2200 |
| Dehumidification | l/h | 1.66 | 2.10 | 3.66 | 4.14 |
| Outline dimensions (WxHxD) | mm | 870x665x235 | 1200x665x235 | 1200x665x235 | 1570x665x235 |
| Net weight/Gross weight | kg | 25.0/30.0 | 33.0/39.0 | 36.0/42.0 | 43.0/50.0 |

| OUTDOOR UNIT | | AWAU-YSXT018-H11 | AWAU-YSXT024-H11 | AWAU-YSXT036-H13 | AWAU-YSXT048-H13 |
|-----------------------------|-------|------------------|------------------|------------------|------------------|
| Part number | | | | | |
| Sound pressure level at 1 m | dB(A) | 51 | 53 | 56 | 58 |
| Sound level | dB(A) | 61 | 63 | 66 | 68 |
| Airflow | m³/h | 1700 | 3500 | 4200 | 5900 |
| Compressor type | | Rotary | Rotary | Rotary | Rotary |
| Outline dimensions (WxHxD) | mm | 761x548x256 | 892x698x340 | 920x790x370 | 940x820x460 |
| Net weight/Gross weight | kg | 39.0/41.5 | 59.0/63.0 | 70.0/75.0 | 97.0/108.0 |

| POWER SUPPLY | | | | | |
|--------------------------|-----|------------------|---------|------------------|---------|
| Phase/Voltage/Frequency | | 1P/220-240V/50Hz | | 3P/380-415V/50Hz | |
| Power supply side | | Outdoor | Outdoor | Outdoor | Outdoor |
| Power cable section | mm² | 1.5 | 2.5 | 1.5 | 1.5 |
| Fuse rating am (D curve) | A | 16 | 20 | 16 | 16 |
| Electrical connections | mm² | 1.0 | 1.0 | 1.0 | 1.0 |

| PIPE LINE | | | | | |
|-----------------------|--------|--------------|--------------|--------------|--------------|
| Suction pipe diameter | inches | 1/2" | 5/8" | 5/8" | 5/8" |
| Liquid pipe diameter | inches | 1/4" | 3/8" | 3/8" | 3/8" |
| Max. length | m | 30 | 30 | 30 | 50 |
| Max. height | m | 15 | 15 | 20 | 30 |
| Refrigerant | | R410A | R410A | R410A | R410A |

MATCHING

| INDOOR UNIT | COMPATIBLE WITH OUTDOOR UNIT |
|--|--|
| FLOOR CEILING | MONOSPLIT |
|  SXT 18 |  YSXT |
|  SXT 24 |  YSXT |
|  SXT 36 |  YSXT |
|  SXT 48 |  YSXT |



Fixed speed
Cooling only

X AC - CONA

Vertical air cabinet

+ PRODUCT

- Easy installation and maintenance.
- “Plug & Play” for replacement.
- Air discharge through duct network or plenum.
- Adjustable available static pressure.

MAIN OPTIONS

- Room thermostat.
- Hot water heating coil.
- “All seasons” system (cooling mode operation down to outdoor temperature of -10°C).
- Remote fault reporting.
- Plenum, fresh air.
- Pipe link (10 m).

MANDATORY ACCESSORIES

- Set of female valves.



XAC



CONA

The X AC range is
electro-mechanical
▶ High reliability

+ “TECHNOLOGY”

- > Split system with outdoor condensing fan unit.
- > Electrical, refrigeration and thermal protection devices.

+ “USER”

- > Temperature control by thermostat on the front frame or by a remote control (optional).
- > “High ventilation” in standard.

+ “INSTALLER”

- > Available with or without neutral in three-phases 400V/50Hz.
- > “Plug & Play” to replace old Airwell vertical cabinet.



TECHNICAL DATA

| INDOOR UNITS | | X AC 1200 | X AC 1900 | X AC 2450 | X AC 3250 | X AC 4650 | X AC 6450 |
|--------------|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Phase | | Three-phase | Three-phase | Three-phase | Three-phase | Three-phase | Three-phase |

| INDOOR UNITS | | X AC 1200 | X AC 1900 | X AC 2450 | X AC 3250 | X AC 4650 | X AC 6450 |
|----------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Standard unit with neutral | Part number | 7XU122245 | 7XU122267 | 7XU122078 | 7XU122079 | 7XU122080 | 7XU122081 |

| RATED POWER | | | X AC 1200 | X AC 1900 | X AC 2450 | X AC 3250 | X AC 4650 | X AC 6450 |
|-------------|--|----|-----------|-----------|-----------|-----------|-----------|-----------|
| Cooling | Power | kW | 12.3 | 16.2 | 19.8 | 29.0 | 38.9 | 55.0 |
| | Rated power input Cooling + Ventilation (LS/HS) | kW | 4.2/4.4 | 5.7/6.2 | 7.1/7.5 | 10.2/11.3 | 15/16 | 22.2/23.7 |
| | Rated power input Electrical heating + Ventilation (LS/HS) | kW | 7.6/8 | 9.2/10.4 | 13.6/14 | 16.8/17.6 | 28.8/6 | 35.2/36.4 |
| | EER | | 2.93 | 2.84 | 2.78 | 2.84 | 2.6 | 2.5 |
| | Cooling circuit | nb | 1 | 1 | 1 | 1 | 2 | 2 |

| INDOOR UNIT | | | 3P/400V/50Hz + neutre selon les models | | | | | |
|-------------|--------------------------------|-------|--|---------------|---------------|---------------|---------------|---------------|
| Ventilation | Available static pressure | Pa | 200 | 300 | 200 | 200 | 250 | 290 |
| | Available static pressure (HS) | Pa | 200 | 380 | 400 | 400 | 480 | 480 |
| | Rated airflow | m³/h | 2000 | 3200 | 4500 | 5800 | 9000 | 12000 |
| | Airflow (min./max.) | m³/h | 1500/2500 | 2500/3800 | 3600/5400 | 4600/7000 | 7200/10800 | 9500/14500 |
| Sound level | Sound power level | dB(A) | 56 | 68 | 75 | 81 | 77 | 85 |
| | WxHxD | mm | 890x1540x430 | 1000x1735x500 | 1300x1840x600 | 1530x1840x600 | 1715x1970x790 | 1980x1970x790 |
| Dimensions | Plenum height | mm | 220 | 260 | 350 | 350 | 400 | 400 |
| | Weight | kg | 136 | 182 | 265 | 350 | 525 | 600 |

| ACCESSORIES | | | X AC 1200 | X AC 1900 | X AC 2450 | X AC 3250 | X AC 4650 | X AC 6450 |
|-----------------------------------|-------------|-----------|-----------|-------------|-------------|-------------|-------------|-----------|
| On/Off switch and room thermostat | Part number | 7ACEL0041 | 7ACEL0041 | 7ACEL0032 | 7ACEL0032 | 7ACEL0032 | 7ACEL0032 | |
| Air distribution duct frame | Part number | 7ACVF0582 | 7ACVF0102 | 7ACVF0050 | 7ACVF0051 | 7ACVF0052 | 7ACVF0052 | |
| Total rear air intake duct frame | Part number | 7ACVF0041 | 7ACVF0104 | 7ACVF0043 | 7ACVF0044 | 7ACVF0045 | 7ACVF0046 | |
| Front air distribution plenum | Part number | 7ACVF0105 | 7ACVF0106 | 7ACVF0108 | 7ACVF0109 | 7ACVF0110 | 7ACVF0111 | |
| Fresh air supplied | Part number | 7ACVF0047 | 7ACVF0047 | Sur demande | Sur demande | Sur demande | Sur demande | |

| OUTDOOR UNITS | | CONA 34 | CONA 54 | CONA 74 | CONA 104 | CONA 148 (2 X CONA 74) | CONA 208 (2 X CONA 104) |
|---------------|--|-------------|-------------|-------------|-------------|------------------------|-------------------------|
| Phase | | Three-phase | Three-phase | Three-phase | Three-phase | Three-phase | Three-phase |

| OUTDOOR UNITS | | CONA 34 | CONA 54 | CONA 74 | CONA 104 | CONA 148 (2 X CONA 74) | CONA 208 (2 X CONA 104) |
|----------------------------|-------------|-----------|-----------|-----------|-----------|------------------------|-------------------------|
| Standard unit with neutral | Part number | 7XU131025 | 7XU131026 | 7XU131027 | 7XU131028 | 2 x 7XU131027 | 2 x 7XU131028 |

| OUTDOOR UNIT | | | 3P/400V/50Hz | | | | | |
|--------------------|-----------------------|--------|--------------|-------------|--------------|--------------|--------------|--------------|
| Number of circuits | | | 1 | 1 | 1 | 1 | 2 | 2 |
| Fan | Max. airflow | m³/h | 8600 | 7600 | 8550 | 14000 | 8550 | 14000 |
| | Speed | tr/mn | 870 | | | | | |
| Sound level | Sound power level | dB(A) | 52 | 58 | 61 | 73 | 64 | 76 |
| Dimensions | WxHxD | mm | 885x840x825 | 885x840x825 | 1141x840x885 | 1546x840x885 | 1141x840x885 | 1546x840x885 |
| Weight | Outdoor unit | kg | 59 | 68 | 93 | 130 | 93 | 130 |
| Pipe line | Suction pipe diameter | inches | 1/2" | 1/2" | 5/8" | 3/4" | 5/8" | 3/4" |
| | Liquid pipe diameter | inches | 3/8" | 3/8" | 1/2" | 5/8" | 1/2" | 5/8" |
| | Max. length | m | 45 | 45 | 45 | 45 | 45 | 45 |
| Refrigerant / GWP | | | R407C/1774 | R407C/1774 | R407C/1774 | R407C/1774 | R407C/1774 | R407C/1774 |
| Charge | kg | 1.22 | 1.704 | 7.6 | 9.8 | 2x9.8 | 2x7.6 | |

| ACCESSORIES | | | CONA 34 | CONA 54 | CONA 74 | CONA 104 | CONA 148 (2 X CONA 74) | CONA 208 (2 X CONA 104) |
|----------------------------------|-------------|-----------|-----------|-----------|-----------|-----------|------------------------|-------------------------|
| Set of female valves (mandatory) | Part number | 7ACFH0054 | 7ACFH0055 | 7ACFH0056 | 7ACFH0061 | 7ACFH0057 | 7ACFH0060 | |
| Pipe link - Length 10m | Part number | 7ACFH0210 | 7ACFH0211 | 7ACFH0212 | 7ACFH0213 | 7ACFH0214 | 7ACFH0215 | |

MATCHING

| X AC 1200 | X AC 1900 | X AC 2450 | X AC 3250 | X AC 4650 | X AC 6450 |
|-----------|-----------|-----------|-----------|---------------|----------------|
| CONA 34 | CONA 54 | CONA 74 | CONA 104 | CONA 148 | CONA 208 |
| - | - | - | - | = 2 x CONA 74 | = 2 x CONA 104 |



DC Inverter
Reversible

DDHA

High-pressure ducted



200-250-300



RCW18 included



DDHA 400

+ PRODUCT

- RCW18 remote control included
- High static pressure
- Light commercial application

FEATURES

TECHNOLOGY



ELECTRONIC
EXPANSION VALVE

AIR QUALITY/CLEAN



AIR FILTER

USER FUNCTIONS



I FEEL



NIGHT MODE



PROGRAMMABLE
TIMER



AUTO RESTART
(MEMORY)

INSTALLER FUNCTIONS



ERROR CODE VIA
INDOOR UNIT



SELF DIAGNOSTIC

+ “SUSTAINABLE DEVELOPMENT”

- > Energy savings, thanks to the power modulation.

+ “USER”

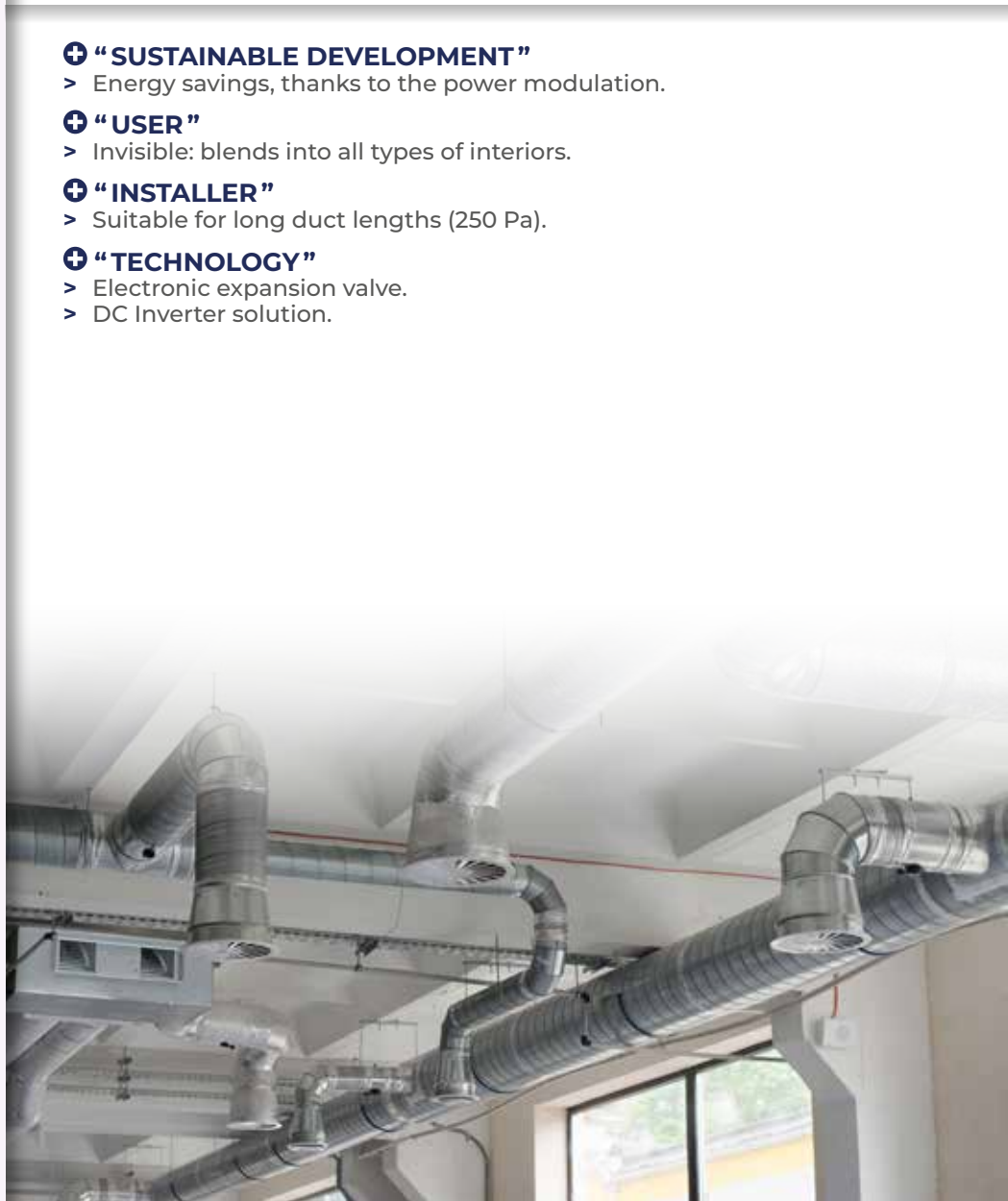
- > Invisible: blends into all types of interiors.

+ “INSTALLER”

- > Suitable for long duct lengths (250 Pa).

+ “TECHNOLOGY”

- > Electronic expansion valve.
- > DC Inverter solution.



TECHNICAL DATA

DDHA

| INDOOR UNIT | | DDHA-200N-01M22 | DDHA-250N-01M22 | DDHA-300N-01M22 | DDHA-400N-01T32 |
|----------------------|-----------|--------------------|--------------------|--------------------|--------------------|
| Part number | | 7SP033090 | 7SP033091 | 7SP033092 | 7SP033093 |
| Phase | | <i>Three-phase</i> | <i>Three-phase</i> | <i>Three-phase</i> | <i>Three-phase</i> |
| COOLING | | | | | |
| Rated power | kW | 20 | 25 | 30 | 40 |
| P _{designc} | kW | 19.65 | 24.74 | 30.00 | 37.73 |
| Rated power input | kW | 7.8 | 9.44 | 11.3 | 15.45 |
| EER | kW | 2.55 | 2.65 | 2.65 | 2.60 |
| Operating limits | °C | -7°/48° Dry bulb | | | |

| | | | | | |
|--|-----------|-------------------|-------------|-----------|-----------|
| HEATING | | | | | |
| Rated power | kW | 22 | 27.5 | 33 | 43 |
| P _{designh} (average climate) | kW | 13.60 | 16.30 | 19.80 | 24.30 |
| Rated power input | kW | 7.00 | 8.87 | 10.30 | 13.85 |
| COP | | 3.25 | 3.10 | 3.20 | 3.10 |
| Operating limits | °C | -15°/24° Dry bulb | | | |

| | | | | | |
|--|-------|--------------|--------------|--------------|---------------|
| INDOOR UNIT | | | | | |
| Sound pressure level at 1 m (LS/MS/HS) | dB(A) | 50/51/52 | 51/52/53 | 53/54/55 | 54/55/56 |
| Sound level | dB(A) | 61 | 62 | 64 | 65 |
| Airflow | m³/h | 3700 | 4200 | 5200 | 7000 |
| External static pressure (standard/max.) | Pa | 120 (0-250) | 120 (0-250) | 120 (0-250) | 120 (0-250) |
| Outline dimensions (WxHxD) | mm | 1315x385x760 | 1520x840x450 | 1520x840x450 | 1680x650x900 |
| Package dimensions (WxHxD) | mm | 1578x400x883 | 1788x465x988 | 1788x465x988 | 1923x850x1153 |
| Net weight/Gross weight | kg | 82/104 | 99/134 | 105/145 | 165/210 |

| OUTDOOR UNIT | | ADAA-200R-01T32 | ADAA-250R-01T32 | ADAA-300R-01T32 | ADAA-200R-01T32 X 2 |
|-----------------------------|-------|------------------|------------------|------------------|----------------------|
| Part number | | 7SP260000 | 7SP260001 | 7SP260002 | 7SP260000 x 2 |
| Sound pressure level at 1 m | dB(A) | 62 | 63 | 65 | 62 |
| Sound level | dB(A) | 72 | 73 | 75 | 72 |
| Compressor type | | Scroll DCI | Scroll DCI | Scroll DCI | Scroll DCI |
| Outline dimensions (WxHxD) | mm | 940x1430x320 | 940x1615x460 | 940x1615x460 | 940x1430x320 x2 |
| Package dimensions (WxHxD) | mm | 1038x1580x438 | 1038x1765x578 | 1038x1765x578 | 1038x1580x438 x2 |
| Net weight/Gross weight | kg | 120/130 | 146/162 | 175/190 | 120/130 x2 |

| | | | | | |
|--------------------------|-----|---------------------|---------------------|---------------------|---------------------|
| POWER SUPPLY | | | | | |
| Phase/Voltage/Frequency | | 3P/380-415V/50-60Hz | 3P/380-415V/50-60Hz | 3P/380-415V/50-60Hz | 3P/380-415V/50-60Hz |
| Power supply side | | Indoor & Outdoor | Indoor & Outdoor | Indoor & Outdoor | Indoor & Outdoor |
| Power cable section | mm² | 3x1.5 + 5x2.5 | 3x1.5 + 5x2.5 | 3x1.5 + 5x4 | 5x1.5 + (5x2.5)x2 |
| Fuse rating am (D curve) | A | 10 + 20 | 10 + 25 | 10 + 32 | 10 + 20x2 |
| Electrical connections | mm² | 2x1 | 2x1 | 2x1 | 2x1 |

| | | | | | |
|------------------------|--------|-------------------|-------------------|-------------------|-------------------|
| PIPE LINE | | | | | |
| Suction pipe diameter | inches | 3/4" | 7/8" | 1" | 3/4" x2 |
| Liquid pipe diameter | inches | 3/8" | 3/8" | 1/2" | 3/8" x2 |
| Max. length | m | 70 | 70 | 70 | 70 |
| Max. height | m | 30 | 30 | 30 | 30 |
| Refrigerant/GWP | | R410A/2088 | R410A/2088 | R410A/2088 | R410A/2088 |
| Charge (5 m) | kg | 6.4 | 8 | 9.5 | 6.4 x2 |
| Additional charge | g/m | 60 | 60 | 120 | 60 |

MATCHING

| INDOOR UNIT | |
|---|-----------------------------|
| DUCTED | |
|  | DDHA 200N |
|  | DDHA 250N & 300N |
|  | DDHA 400N |



| COMPATIBLE WITH OUTDOOR UNIT | |
|---|----------------------------------|
| MONOSPLIT | |
|  | ADAA 200R |
|  | ADAA 250R & ADAA 300R |
|  | ADAA 200R x 2 |



COMMERCIAL

Range

THE AIRWELL VRF SOLUTION

A manufacturing concept built on experience and an international presence.

Product designed to meet European energy efficiency prerogatives while being resistant to harsh climatic environments.

Airwell VRFs are 100% Inverter

The new VRF Inverter range exclusively uses the best Japanese compressor brands and focusing on 3 technologies: the **Scroll EVI**, the **Scroll** and the **Twin Rotary**, thus offering a perfect ratio between reliability and energy efficiency.

All the refrigeration units of the Airwell VRFs have been strictly selected to guarantee flawless reliability and increased service life.

Among the most notable refrigeration components are the Japanese compressors and the oversized “anti-liquid shock” bottle protecting it. An oil separator per compressor allowing a direct return of more than 95% of the oil expelled during discharge and a sub-cooler with an adjustable target during development.

In addition, each Airwell VRF is protected by a series of sensors allowing the correct operation and energy efficiency of the installation to be guaranteed at all times.

Airwell communication bus

Thanks to the disconnection of the indoor units, it allows the system to remain in operation, offering greater comfort to end customers during service and maintenance operations.

Silent mode

Silent mode allows installation in restricted urban areas.

Anti-corrosion treatment

Standard anti-corrosion treatment offering resistance to salt spray for more than 1500 hours and reinforced anti-corrosion treatment on request to meet the most demanding constraints.



OUTDOOR UNIT MODELS

REFRIGERANT
TYPECAPACITY
(HP)COOLING
CAPACITY
(kW)HEATING
CAPACITY
(kW)

VVFA - 2-PIPES - FRONT DISCHARGE



VVFA-125R

R410A

4

12.10

14.20

VVFA-150R

6

15.50

18.00

VVFA-220R

8

22.60

22.60

VVFA-280R

10

28.00

30.50

VVFA-335R

12

31.50

31.50

VVTA - 2-PIPES - TOP DISCHARGE



VVTA-250R

R410A

8

25.20

25.20

VVTA-280R

10

28.00

28.00

VVTA-335R

12

33.50

33.50

VVTA-400R

14

40.00

40.00

VVTA-450R

16

45.00

45.00

VVTA-504R

18

50.40

50.40

VVTA-560R

20

56.00

56.00

VVTA-615R

22

61.50

61.50

VVTA-680R

24

68.00

68.00

VVTA-735R

26

73.50

73.50

VVEA - 3-PIPES - TOP DISCHARGE



VVEA-250R

R410A

8

22.40

22.40

VVEA-280R

10

28.00

28.00

VVEA-335R

12

33.50

33.50

VVEA-400R

14

40.00

40.00

VVEA-450R

16

45.00

45.00

VVEA-504R

18

50.40

50.40

VVEA-560R

20

56.00

56.00

VVEA-615R

22

61.50

61.50

WATER FLOWLOGIC



VWVO-220R

R410A

8

22.40

25.00

VWVO-280R

10

28.00

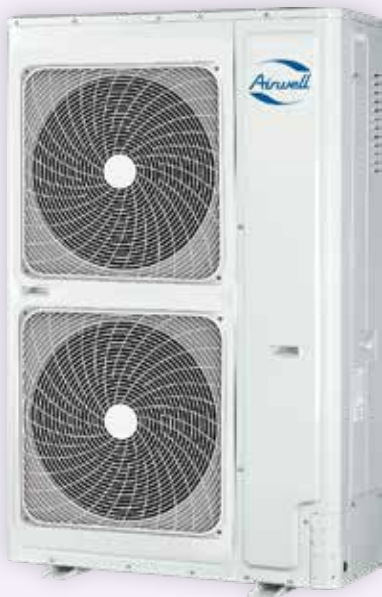
31.50

VWVO-335R

12

33.50

37.50

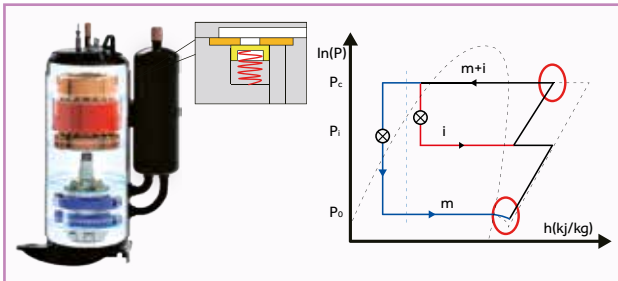


VVFA Compact VRF Range

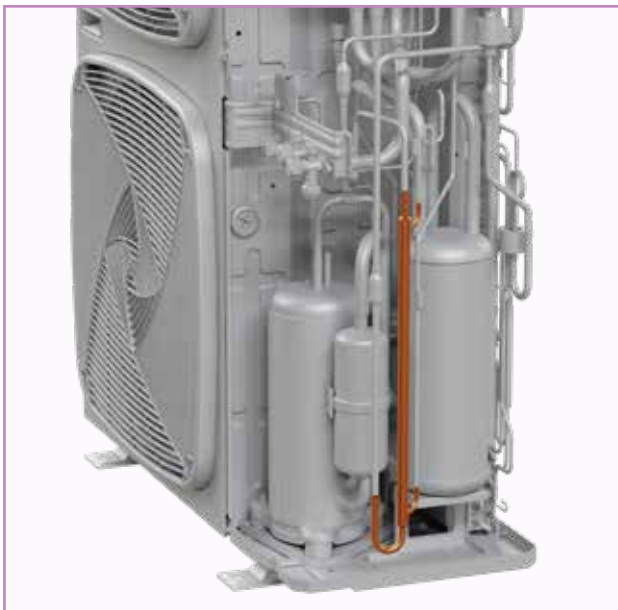
Our range of compact VRFs adapts perfectly to any type of installation, commercial or residential. The small dimensions offered by this range make it possible to considerably reduce handling operations, guaranteeing better adaptability in terms of installation (see installation characteristics).

► Twin rotary compressor

High efficiency compressor offering top performance with minimum vibration and reduced energy consumption.



► Two-stage subcooler



► DC Inverter fan motor



► Charging valve

► Eurovent certified



► Nsc up to 337% or SEER 8.5

COMPATIBLE



COMPATIBLE





VVTA

Reversible - Continuous heating - 2-pipes VRF range



The 2-pipes VRF range was redesigned with a new innovative structure integrating a service door and all the electronic components mounted on a hinge.

- ▶ A unit capacity of up to 73.5 kW that can be coupled up to 4 modules.
- ▶ A new **4-way coil**, for better heat exchange.
- ▶ Modbus output included. New electronic board with an addressable and configurable Modbus output directly available on the outdoor unit.



Stores



Hotels



Offices

COMPATIBLE

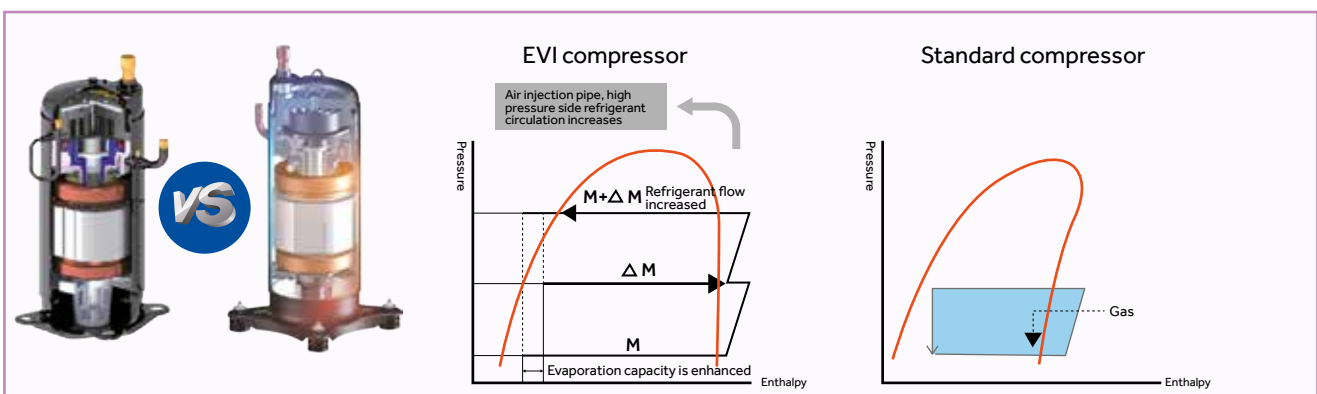


COMPATIBLE



▶ Innovative EVI compressor

We have equipped this new range with an EVI (enhanced vapor injection) compressor to offer Airwell customers a unique experience. The unit incorporates a compressor with EVI technology which increases the flow of refrigerant by 15% and thus obtains a **30% improved efficiency in heating** compared to traditional compressors. In addition, thanks to the valve incorporated in the EVI compressor, **the efficiency of the system is increased by 5%** with operation down to -27°C in heating and up to $+52^{\circ}\text{C}$ in cooling.



The indoor units of the VRF range adapt to all destinations and all projects. From the 4-way cassette to the 360° cassette, from the extra-flat duct to the high-pressure duct and from the wall to the ceiling-light, Airwell meets all the needs in terms of thermal comfort.

- ▶ Fitted with DC inverter fan motors offering high aerodynamic performance with a very low sound level and an electronic expansion valve offering 475 opening steps, the indoor units in the range will combine **comfort and performance**.
- ▶ The entire range of indoor units offers a **standard dry contact** allowing the unit to be controlled through a window or door contact or a “room card” for a hotel application.
- ▶ At Airwell, each indoor unit is delivered with its RWV05 wired or RCV03 infrared remote control.

MODELS INDOOR UNITS



REFRIGERANT TYPE

| Image | Model Name | Code | Icon | Refrigerant Type |
|---|------------------------|------|---|------------------|
|  | HIGH WALL | HVVA | | R410A |
|  | CASSETTE 600X600 | CVQA |  | R410A |
|  | 1-WAY CASSETTE | CVPA | | R410A |
|  | 2-WAYS CASSETTE | CVOA |  | R410A |
|  | CASSETTE 360° | CVTA | | R410A |
|  | FLOOR CEILING | FVVA |  | R410A |
|  | LOW-PRESSURE DUCTED | DVLA | | R410A |
|  | MEDIUM-PRESSURE DUCTED | DVMA |  | R410A |
|  | HIGH-PRESSURE DUCTED | DVHA | | R410A |
|  | FULL FRESH AIR UNIT | DVFA | | R410A |
|  | CONSOLE | XVVA | | R410A |
|  | AHU CONNECTION KIT | | | |



AIR/WATER HEAT PUMP

Range

| MODEL | REFERENCE | REFRI-GERANT TYPE | Preferred application | Mode | Domestic hot water |
|--|---------------------|-------------------|-----------------------|---------------------|--------------------|
| <p>p.70</p>  <p>MONOBLOCK HEAT PUMP</p> | WELLEA Monoblock | R32 | Renovation | Heating and cooling | Optional |
| <p>p.72</p>  <p>MONOBLOCK HEAT PUMP</p> | WELLEA Monoblock DF | R32 | Renovation | Heating and cooling | Optional |



Reversible
heat pump



+ PRODUCT

- RCW30 remote control included
- Wide power range, and water output up to 60°C: ideal for new and renovated installation
- 3 kW or 9 kW electric back-up included⁽²⁾

FEATURES



WEEKLY TIMER



COOLING MODE
OPERATIONAL UP TO
43°C OUTDOORS



HEATING MODE
OPERATIONAL DOWN
TO -25°C OUTDOORS



HIGH TEMPERATURE
UP TO 60°C



FLOOR HEATING



HIGH-TEMPERATURE
RADIATOR



LOW-TEMPERATURE
RADIATOR



BOILER BACK-UP



SUPER
QUIET



WI-FI



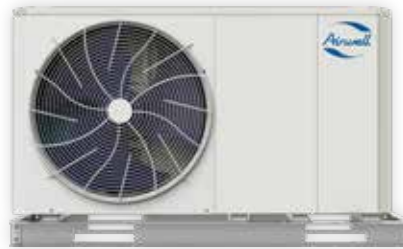
WATER PROGRAMS

WELLEA MONOBLOCK

Monoblock heat pump



RCW30
included



4-6 kW



8-16 kW



+ “SUSTAINABLE DEVELOPMENT”

- > Energy saving thanks to energy class A+++.
- > Cut your bills: COP up to 5,10.

+ “USER”

- > Ideal for replacing a gas or fuel oil boiler.
- > Saves on heating elements thanks to the 60°C water temperature.
- > Heat pump remote-controlled thanks to AirHome connectivity (as standard).

+ “INSTALLER”

- > Cascade management up to 6 units.
- > Customisable water program.
- > **ZERO** concept option: 2-area control, dual-purpose control, Smart Grid contact, and more as standard.
- > A triple-service product: Heating / Cooling / Domestic hot water.

+ “TECHNOLOGY”

- > Ultra-quiet model: 30 dB(A) at 5 m⁽¹⁾.
- > Works down to an outdoor of -25°C.
- > HP Keymark certified, guaranteed performance.

(1) Acoustic pressure of 4 kW model, free field directivity 1.

(2) Depending on model.

TECHNICAL DATA

| OUTDOOR UNIT | AW-WHPMA 04-H91 | AW-WHPMA 06-H91 | AW-WHPMA 08-H91 | AW-WHPMA 10-H91 | AW-WHPMA 12-H91 | AW-WHPMA 14-H91 | AW-WHPMA 16-H91 | AW-WHPMA 12-H93 | AW-WHPMA 14-H93 | AW-WHPMA 16-H93 | |
|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|
| Part number | 7HP061075 | 7HP061076 | 7HP061077 | 7HP061078 | 7HP061079 | 7HP061080 | 7HP061081 | 7HP061082 | 7HP061083 | 7HP061084 | |
| Phase | Single-phase | | | | Single-phase | | | Three-phase | | | |

HEATING MODE

| | | | | | | | | | | | | |
|---------------------------|------------------|----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Air +7°C Water 30/35°C | Heating capacity | kW | 4.20 | 6.35 | 8.40 | 10.00 | 12.10 | 14.50 | 15.90 | 12.10 | 14.50 | 15.90 |
| | Power input | kW | 0.82 | 1.28 | 1.63 | 2.02 | 2.44 | 3.15 | 3.53 | 2.44 | 3.15 | 3.53 |
| | COP | | 5.10 | 4.95 | 5.15 | 4.95 | 4.95 | 4.60 | 4.50 | 4.95 | 4.60 | 4.50 |
| Air -7°C Water 30/35°C | Heating capacity | kW | 4.70 | 6.00 | 7.00 | 8.00 | 10.00 | 12.00 | 13.10 | 10.00 | 12.00 | 13.10 |
| | Power input | kW | 1.52 | 2.00 | 2.19 | 2.62 | 3.33 | 4.21 | 4.85 | 3.33 | 4.21 | 4.85 |
| | COP | | 3.10 | 3.00 | 3.20 | 3.05 | 3.00 | 2.85 | 2.70 | 3.00 | 2.85 | 2.70 |
| Air +7°C Water 47/55°C | Heating capacity | kW | 4.40 | 6.00 | 7.50 | 9.50 | 12.00 | 13.80 | 16.00 | 12.00 | 13.80 | 16.00 |
| | Power input | kW | 1.49 | 2.00 | 2.36 | 3.06 | 3.87 | 4.60 | 5.52 | 3.87 | 4.60 | 5.52 |
| | COP | | 2.95 | 3.00 | 3.18 | 3.10 | 3.10 | 3.00 | 2.90 | 3.10 | 3.00 | 2.90 |
| Air -7°C Water 47/55°C | Heating capacity | kW | 4.00 | 5.15 | 6.15 | 7.05 | 10.60 | 11.30 | 12.60 | 10.60 | 11.30 | 12.60 |
| | Power input | kW | 2.05 | 2.58 | 3.00 | 3.53 | 5.25 | 5.46 | 6.29 | 5.25 | 5.46 | 6.29 |
| | COP | | 1.95 | 2.00 | 2.05 | 1.97 | 2.02 | 2.01 | 2.00 | 2.02 | 2.01 | 2.00 |

COOLING MODE

| | | | | | | | | | | | | |
|---------------------------|------------------|----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Air 35°C Water 12/7°C | Cooling capacity | kW | 4.70 | 7.00 | 7.45 | 8.20 | 11.50 | 12.40 | 14.00 | 11.50 | 12.40 | 14.00 |
| | Power input | kW | 1.36 | 2.33 | 2.22 | 2.52 | 4.18 | 4.96 | 5.60 | 4.18 | 4.96 | 5.60 |
| | EER | | 3.45 | 3.00 | 3.35 | 3.25 | 2.75 | 2.50 | 2.50 | 2.75 | 2.50 | 2.50 |
| Air 35°C Water 23/18°C | Cooling capacity | kW | 4.50 | 6.50 | 8.30 | 9.90 | 12.00 | 13.50 | 14.90 | 12.00 | 13.50 | 14.90 |
| | Power input | kW | 0.82 | 1.35 | 1.64 | 2.18 | 3.04 | 3.75 | 4.38 | 3.04 | 3.75 | 4.38 |
| | EER | | 5.50 | 4.80 | 5.05 | 4.55 | 3.95 | 3.60 | 3.40 | 3.95 | 3.60 | 3.40 |

PERFORMANCE

| | | | | | | | | | | | | |
|--|----------------------|-------|------|------|------|------|------|------|------|------|------|------|
| Energy label (average climate) | Water outlet to 35°C | | A+++ | | | | A+++ | | | | | |
| | Water outlet to 55°C | | A++ | | | | A++ | | | | | |
| Seasonal efficiency (average climate) | Water outlet to 35°C | % | 191 | 195 | 205 | 205 | 189 | 186 | 182 | 189 | 186 | 182 |
| | Water outlet to 55°C | % | 130 | 138 | 132 | 137 | 135 | 136 | 133 | 135 | 136 | 133 |
| SCOP (average climate) | Water outlet to 35°C | | 4.85 | 4.95 | 5.21 | 5.19 | 4.81 | 4.72 | 4.62 | 4.81 | 4.72 | 4.62 |
| | Water outlet to 55°C | | 3.31 | 3.52 | 3.36 | 3.49 | 3.45 | 3.47 | 3.41 | 3.45 | 3.47 | 3.41 |
| Sound level | | dB(A) | 55 | 58 | 59 | 60 | 65 | 65 | 68 | 65 | 65 | 68 |
| Sound pressure level at 1m | | dB(A) | 45 | 48 | 49 | 51 | 53 | 54 | 58 | 54 | 54 | 58 |

OPERATING LIMITS

| | | | | | | | | | | | | |
|-------------------------|---------|----|--------|--|--|--|--------|--|--|--|--|--|
| Outdoor air temperature | Cooling | °C | -5/43 | | | | -5/43 | | | | | |
| | Heating | °C | -25/35 | | | | -25/35 | | | | | |
| | DHW | °C | -25/43 | | | | -25/43 | | | | | |

POWER SUPPLY

| | | | | | | | | | | | | |
|---|-----------------|------------------|-------|-----|-----|------------------|------|------|------------------|-----|-----|--|
| Phase/Voltage/Frequency | | 1P/220-240V/50Hz | | | | 1P/220-240V/50Hz | | | 3P/380-415V/50Hz | | | |
| Electric backup heater | kW | 0 | | 3 | | 3 | | | 3/6/9 | | | |
| Power cable section (electric back-up integrated) | mm ² | 3G2.5 | 3G2.5 | 3G6 | 3G6 | 3G10 | 3G10 | 3G10 | 5G4 | 5G4 | 5G4 | |
| Fuse rating am (electric back-up integrated) | A | 16 | 16 | 32 | 32 | 40 | 40 | 40 | 25 | 25 | 25 | |

INSTALLATION AND OTHERS

| | | | | | | | | | | | | | |
|-----------------------------|-------------------|----------------|--|------|---------------|------|--|----------------|--|------|---------|------|--|
| Airflow | m ³ /h | 2770 | | 4030 | | 4060 | | 4650 | | 4060 | | 4650 | |
| Refrigerant/GWP | | R32/675 | | | | | | R32/675 | | | | | |
| Charge | kg | 1.40 | | | 1.40 | | | 1.75 | | | | | |
| Outline dimensions (WxHxD) | mm | 1295x792x429 | | | 1385x945x526 | | | 1385x945x526 | | | | | |
| Package dimensions (WxHxD) | mm | 1375x965x475 | | | 1465x1120x560 | | | 1465x1120x560 | | | | | |
| Net weight/Gross weight | kg | 98/121 | | | 121/148 | | | 144/170 | | | 160/188 | | |
| Water inlet/outlet diameter | inches | R 1" | | | R 1"1/4 | | | R 1"1/4 | | | R 1"1/4 | | |



Reversible
heat pump



+ PRODUCT

- RCW30 remote control included
- Wide power range, and water output up to 60°C: ideal for new installation
- Cascade management up to 6 units.

FEATURES



WEEKLY TIMER



COOLING MODE
OPERATIONAL UP TO
46°C OUTDOORS



HEATING MODE
OPERATIONAL DOWN
TO -25°C OUTDOORS



HIGH TEMPERATURE
UP TO 60°C



FLOOR HEATING



HIGH-TEMPERATURE
RADIATOR



LOW-TEMPERATURE
RADIATOR



BOILER BACK-UP



SUPER QUIET



WI-FI



WATER PROGRAMS

WELLEA MONOBLOCK DF

Monoblock heat pump



18-30 kW



RCW30
included



+ "SUSTAINABLE DEVELOPMENT"

- > Energy saving thanks to energy class A+++.
- > Cut your bills: COP up to 4,63.

+ "USER"

- > Ideal for replacing a gas or fuel oil boiler.
- > Saves on heating elements thanks to the 60°C water temperature.
- > Heat pump remote-controlled thanks to AirHome connectivity (as standard).

+ "INSTALLER"

- > Customisable water program.
- > **ZERO** concept option: 2-area control, dual-purpose control, Smart Grid contact, and more as standard.
- > A triple-service product: Heating / Cooling / Domestic hot water.

+ "TECHNOLOGY"

- > Works down to an outdoor of -25°C.
- > HP Keymark certified, guaranteed performance.

(1) Acoustic pressure of 4 kW model, free field directivity 1.

TECHNICAL DATA

| OUTDOOR UNIT | | | AW-WHPMA18-H93 | AW-WHPMA22-H93 | AW-WHPMA26-H93 | AW-WHPMA30-H93 |
|--|----------------------|------------------|----------------|----------------|----------------|----------------|
| Part number | | | 7HP061085 | 7HP061086 | 7HP061087 | 7HP061088 |
| Phase | | | Three-phase | | | |
| HEATING MODE | | | | | | |
| Air +7°C Water 30/35°C | Heating capacity | kW | 18.30 | 22.30 | 26.30 | 29.93 |
| | Power input | kW | 3.96 | 5.13 | 6.50 | 8.02 |
| | COP | | 4.63 | 4.35 | 4.05 | 3.73 |
| Air -7°C Water 30/35°C | Heating capacity | kW | 18.00 | 21.00 | 22.00 | 23.00 |
| | Power input | kW | 6.67 | 8.08 | 8.80 | 9.39 |
| | COP | | 2.70 | 2.60 | 2.50 | 2.45 |
| Air +7°C Water 47/55°C | Heating capacity | kW | 18.10 | 22.10 | 26.06 | 29.68 |
| | Power input | kW | 6.63 | 8.33 | 10.72 | 12.97 |
| | COP | | 2.73 | 2.65 | 2.43 | 2.29 |
| Air -7°C Water 47/55°C | Heating capacity | kW | 10.70 | 13.50 | 16.70 | 22.30 |
| | Power input | kW | 8.78 | 10.40 | 12.20 | 14.10 |
| | COP | | 1.22 | 1.30 | 1.37 | 1.58 |
| COOLING MODE | | | | | | |
| Air 35°C Water 12/7°C | Cooling capacity | kW | 17.00 | 21.00 | 26.00 | 29.50 |
| | Power input | kW | 5.57 | 7.12 | 9.63 | 11.57 |
| | EER | | 3.05 | 2.95 | 2.70 | 2.55 |
| Air 35°C Water 23/18°C | Cooling capacity | kW | 18.50 | 23.00 | 27.00 | 31.00 |
| | Power input | kW | 3.90 | 5.00 | 6.28 | 7.75 |
| | EER | | 4.75 | 4.60 | 4.30 | 4.00 |
| PERFORMANCE | | | | | | |
| Energy label (average climate) | Water outlet to 35°C | | A+++ | | | A++ |
| | Water outlet to 55°C | | A++ | | | A+ |
| Seasonal efficiency (average climate) | Water outlet to 35°C | % | 181 | 178 | 177 | 165 |
| | Water outlet to 55°C | % | 125 | 126 | 123 | 123 |
| SCOP (average climate) | Water outlet to 35°C | | 4.60 | 4.53 | 4.50 | 4.19 |
| | Water outlet to 55°C | | 3.21 | 3.22 | 3.14 | 3.14 |
| Sound level | | dB(A) | 71 | 73 | 75 | 77 |
| Sound pressure level at 1m | | dB(A) | 58 | 60 | 62 | 64 |
| OPERATING LIMITS | | | | | | |
| Outdoor air temperature | Cooling | °C | -5/46 | | | |
| | Heating | °C | -25/35 | | | |
| | DHW | °C | -25/43 | | | |
| POWER SUPPLY | | | | | | |
| Phase/Voltage/Frequency | | 3P/380-415V/50Hz | | | | |
| Power cable section | mm ² | 5G4 | 5G4 | 5G6 | 5G6 | |
| Fuse rating am | A | 25 | 25 | 32 | 32 | |
| INSTALLATION AND OTHERS | | | | | | |
| Airflow | m ³ /h | 10650 | | | 11200 | |
| Refrigerant/GWP | | R32/675 | | | | |
| Charge | kg | 5 | | | | |
| Outline dimensions (WxHxD) | mm | 1129x1558x440 | | | | |
| Package dimensions (WxHxD) | mm | 1220x1735x565 | | | | |
| Net weight/Gross weight | kg | 177/206 | | | | |
| Water inlet/outlet diameter | inches | R1-1/4" | | | | |

Wellea Monoblock DF

Air-Water

AIR/AIR *Range*



HDHC Artica
High wall monosplit & multisplit
High efficiency & Energetic efficiency



2.73 to 7.03 kW
3.14 to 7.33 kW



**HDMB Harmonia
Colour range**
High wall monosplit & multisplit



2.64 to 7.03 kW
2.92 to 7.33 kW



XDLF
Dual-flow console
monosplit & multisplit



2.70 to 5.20 kW
2.90 to 5.33 kW



XDMX
Dual-flow console
monosplit & multisplit



3.52 to 4.98 kW
3.81 to 5.28 kW



FDLK
Floor ceiling monosplit,
application low-temperature



5.30 to 7.00 kW



ZDAE
Residential multisplit
duo/trio/quattro/cinco



4.10 to 12 kW
4.40 to 13 kW

- ❄️ Cooling capacity
- 🔥 Heating capacity



JDAA Airflow

Thermodynamic dual-flow CMV

Airflow from 125 to 320 m³/h



❄️ 0.92 to 2.07 kW

🔥 1.42 to 2.49 kW



XDAW

Monoblock console - Built-in Wi-Fi



❄️ 2.35 kW

🔥 2.36 kW



WFAE

DC Inverter Window



❄️ 2.75 and 3.70 kW



MFH

Portable cooling only



❄️ 2.93 and 3.52 kW

COMPLEMENTARY RANGES

AIR/WATER *Range*



WELLEA WT
Split heat pump with
DHW tank included



4.50 to 14.90 kW
4.00 to 16.00 kW



WELLEA Split
Split heat pump



4.50 to 14.90 kW
4.00 to 16.00 kW



TFHX Eleo
Split thermodynamic
water heater



Volume: 200L



TFHW Eleo
Monoblock thermodynamic
water heater



Volume: 120L, 190L, 260L



TFHZ Eleo
Solar thermodynamic
water heater



Volume 190L, 300L

- ❄️ Cooling capacity
- 🔥 Heating capacity

SOLAR Range

AirSolar
SOLUTIONS



Solar panels
375 and 500 Wc



Electrical boxes
Until 6.00 kW in single-phase and
until 9.00 kW in three-phase



Micro-inverters and
wiring accessories
730 and 880 VA



Fixing systems
Tile, slate, steel roofing,
fibre cement and flat roof/floor



+



+



+



+



Photovoltaic pack
From 0.75 to 9.00 kWc

WATER-COOLED Range



XDOWN
Water-cooled console



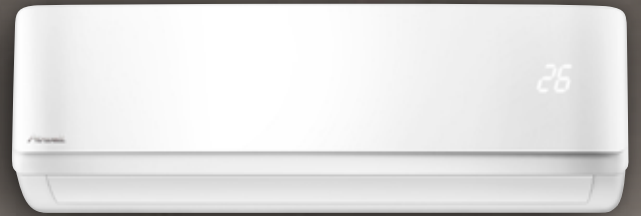
❄️ 2.50 to 3.50 kW
🔥 2.70 to 3.80 kW



DFMO
Water-loop heat pump



❄️ 2.26 to 25.00 kW
🔥 2.76 to 33.20 kW



SMART BUILDING & CONTROL SYSTEMS

Ranges

| | MODEL | WIRELESS CONTROLLER | WIRED REMOTE CONTROL |
|------|---|---------------------|----------------------|
| p.80 | AIRHOME APP | | |
| p.82 | COMPATIBILITY TABLES | | |
| p.83 | FUNCTION TABLES | | |
| p.84 |  RC08A | • | |
| p.86 |  RC18 | • | |
| p.88 |  RC19 | • | |
| p.90 |  RCW11 | | • |
| p.92 |  RCW26 | | • |
| p.94 |  RCW27 | | • |

Thanks to our free **AirHome** App, available on Android and iOS, welcome to the Airwell hybrid and connected home!



CONTROL OF YOUR HOME

at your fingertips



A single app to control your entire home!

Connecting to the AirHome App gives you optimal control of your HVAC equipment. An all-in-one app managing your air conditioning, heating, ventilation, domestic hot water and connected objects in the house, which makes your daily life easier (Plug&Play) while saving money.



CONTROL YOUR HOME

Program all the appliances in the house, set the ideal temperature at different times of day according to your routine, manage different scenarios – all through AirHome to ensure total comfort while saving energy.



CONTROL YOUR CONSUMPTION

Easily view the consumption of your devices according to your uses*.



CONNECTIVITY

Connect all your devices in a few clicks: your heat pump and other Airwell products, your compatible photovoltaic panels and other connected household equipment*.



SOLAR ENERGY PRODUCTION

View a snapshot of your solar electricity production at any time, as well as the history.



ENERGY SAVING

Make big energy savings without having to think about it, our app's algorithm automatically optimizes the consumption of your devices by alternating solar and grid production*.

* Under development for 2023.










Download the app



Télécharger dans l'App Store



DISPONIBLE SUR Google play

| MODEL | WIRELESS CONTROLLER | | | WIRED REMOTE CONTROL | | | |
|---|---|---|---|---|--|---|---|
| REFERENCE | RC08A | RC18 | RC19 | RCW11 | RCW26 | RCW27 | BMS GATEWAY |
| Part number | 7ACEL1791 | 7ACEL1898 | 7ACEL1899 | 7ACEL1774 | 7ACEL1876 | 7ACEL1874 | 7ACEL1708 |
| Picture |  |  |  |  |  |  |  |
| HIGH WALL | | | | | | | |
| HDLE Aura | ● | | | | | ● | |
| HDLA Aura | | | ● | | | | |
| CASSETTE | | | | | | | |
| CDMX | | ● | | ● | ● | | ● |
| CFMD | | | ● | | | | |
| DUCTED | | | | | | | |
| DDMX | | ● | | ● | ● | | ● |
| DFMD | | | | ● | | | |
| FLOOR CEILING & FLOOR STANDING | | | | | | | |
| FDMX | | ● | | ● | ● | | ● |
| FFMD | | ● | | | | | |
| SDMX | | | ● | | | | |
| SFMD | | | ● | | | | |
| INDUSTRIAL | | | | | | | |
| SXT Telecom | ● | | | | | | |

FUNCTION TABLES

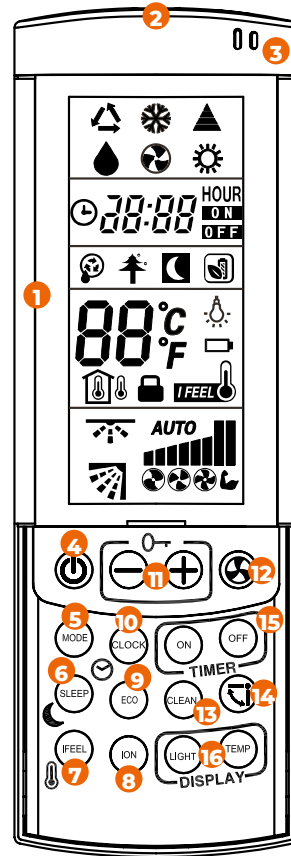
| MODEL | WIRELESS CONTROLLER | | | WIRED REMOTE CONTROL | | |
|--|---|---|---|--|---|---|
| REFERENCE | RC08A | RC18 | RC19 | RCW11 | RCW26 | RCW27 |
| Part number | 7ACEL1791 | 7ACEL1898 | 7ACEL1899 | 7ACEL1774 | 7ACEL1876 | 7ACEL1874 |
| Picture |  |  |  |  |  |  |
| USER FUNCTIONS | | | | | | |
| On/Off timer | ● | ● | ● | ● | ● | ● |
| Weekly timer | | | | ● | ● | ● |
| Silent mode/low speed fan | ● | ● | ● | ● | ● | |
| "I Feel" function | ● | ● | ● | ● | ● | ● |
| Clean-up function | ● | ● | ● | | | |
| Night mode (economy mode) | ● | ● | ● | | | ● |
| Remote locking | ● | ● | ● | ● | ● | ● |
| Turbo mode | ● | ● | ● | | ● | ● |
| Low battery | ● | ● | ● | ● | | |
| No frost mode | ● | ● | ● | | | ● |
| INSTALLER FUNCTIONS | | | | | | |
| Technician test mode | ● | ● | ● | | | |
| Group control | | | | | ● | |
| Compensation temperature | ● | ● | ● | | | |
| Heating mode only | ● | ● | ● | | | |
| Priority mode definition (multisplit) | ● | | | | | |
| Parameter display function (temperature, expansion valve opening, compressor...) | ● | ● | ● | | | |
| Operating fault display | | | | ● | ● | ● |

● Standard remote

● Optional remote

RC08A

Ref.: 7ACEL1791



1 ► DISPLAY

Information is displayed when the remote control is on.

| | | |
|----------------|--------------------------------------|---|
| Operating mode | | • Automatique |
| | | • Heating |
| | | • Cooling |
| | | • Airflow only |
| | | • Dehumidification (drying mode) |
| | | • Send data to the air conditioner receiver |
| | | • Clock (hours and minutes) |
| | | • "Time On" function configured and activated |
| | | • "Time Off" function configured and activated |
| | | • Cleaning mode |
| | | • Sleep operating mode |
| | | • Ionizer /E.S.F. mode |
| | | • Eco mode |
| | | • Selects or indicates the room temperature |
| | | • Displayed when the temperature reached is the room setpoint |
| | Description of low battery detection | |
| | | <ul style="list-style-type: none"> • Low speed • Medium speed • High speed • Fan auto speed • Turbo function |

COMPATIBLE PRODUCTS

- HDLE Aura
- SXT Telecom

2 ► TRANSMITTER

- When you press the buttons of the remote control unit, the ▲ symbol appears on the display **to transmit the setting changes to the air conditioner receiver.**

3 ► SENSOR







- The air temperature sensor inside the remote control unit **measures the room temperature.**

4 ► ON/OFF BUTTON

- This button **turns the air conditioner ON and OFF.**

5 ► MODE SELECTOR BUTTON

Press this button to change the mode.

| | |
|---|--|
|  | • Automatic. When this mode is selected, the air conditioner calculates the difference between the thermostat setting and the room temperature and automatically switches to "cooling" or "heating" mode. |
|  | • Heating. The air conditioner heats the ambient air. |
|  | • Cooling. The air conditioner cools the room. |
|  | • Ventilation only. The air conditioner circulates the air. |
|  | • Dehumidify (dry mode). The air conditioner reduces the humidity of the air in the room. |
|  | • Cool / Dry / Heat |

6 ► SLEEP/ECO BUTTON

This button has 2 functions:

- **SLEEP function** (short press)
 - **ECONOMY function** (long press)
- For more details, refer to "SLEEP mode function" and "ECONOMY mode function".

7 ► "I FEEL" BUTTON FOR ROOM TEMPERATURE DETECTION AND DISPLAY

- Activates **temperature detection** in the vicinity of the remote control. This function is available in AUTO, COOL and HEAT mode.

8 ► ION/CLEAN BUTTON

This button has 2 functions:

- **The ION function** (ionizer): short press
 - **The CLEAN function**: long press
- For more details, refer to "Ionizer mode function (OPTIONAL)" and "CLEAN mode function".

9 ► ECO BUTTON

- **Cooling.** Automatically adjust the temperature for energy savings. The temperature display will show "SE".
- **Heating.** Select heating level 8. The remote control screen displays the temperature "8 C".

10 ► CLOCK BUTTON

- The clock displays the **current time.**
- For more details refer to the section "How to set the current time".

11 ► TEMPERATURE SETTING BUTTONS

- - (**cooler**). Reduce the set temperature.
 - + (**warmer**). Increase the set temperature.
- Press the "-" and "+" buttons simultaneously to lock or unlock the keypad.

12 ► FAN SPEED SELECTOR BUTTON

Press this button to change the mode.

| | | | |
|---|--|---|--------------|
|  | • The fan speed is selected automatically. |  | • High speed |
|  | • Medium speed |  | • Low speed |
|  | • Turbo function | | |

13 ► CLEAN BUTTON

- This button deactivates **the cleaning function** in Cooling and Dehumidification modes.

14 ► SWING BUTTON

- Activates **the air supply louver swing** in various positions or automatic swing.
- For more details refer to the section "Setting the airflow direction".


15 ► TIMER BUTTONS (ON/OFF)

- Press the ON or OFF button **to activate the setting procedure.**
- For more details refer to the section "Setting the timer".

16 ► LIGHT/TEMP BUTTONS

- **LIGHT button.** Enables or disables the remote control display.
- **TEMP button.** Displays the configured temperature, room temperature or outdoor temperature.

SWITCHING TO HEATING MODE ONLY

- 
- Remove the batteries from the remote control.
 - Wait for the screen to turn off completely.
 - Insert the batteries.
 - Within 60 seconds of inserting the batteries: - The remote control must be in OFF mode.
 - Press "I Feel" and "TEMP" at the same time for 5 s.
 - The heating mode icon will flash 3 times.
 - After this setting, the remote control is permanently locked in heating mode. No switching back.

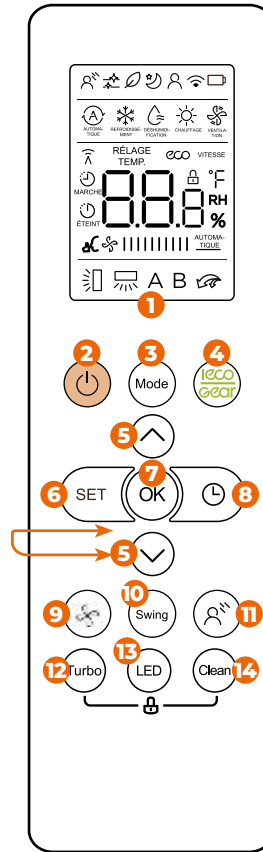
RC18

Ref.: 7ACEL1898



COMPATIBLE PRODUCTS

- CDMX
- DDMX (optional)
- FDMX
- FFMD



1 ► DISPLAY

| Information is displayed when the remote control is on. | | | |
|---|-------------------|---|------------------|
| Operating mode | | • Breeze Away display | |
| | | • Active clean feature display | |
| | | • Fresh feature display | |
| | | • Sleep mode display | |
| | | • "I Feel" function display | |
| | | • Wireless control feature display | |
| | | • Low battery detection display (if flashing) | |
| | | • AUTO mode | |
| | | • COOLONG mode | |
| | | • DRY mode | |
| | | • HEATING mode | |
| | | • FAN mode | |
| | | • Transmission Indicator: lights up when remote sends signal to indoor unit | |
| | | • TIMER ON display | |
| Temperature/ Timer/Fan speed display | | • TIMER OFF display | |
| | | • Silence feature display | |
| | | • ECO display: displayed when ECO function is activated | |
| | | • GEAR display: displayed when GEAR function is activated | |
| | | • LOCK display: displayed when LOCK function is activated. | |
| | | • Displays the default set temperature, or fan speed or timer setting when using On/Off timer functions. • Temperature range: 16-30°C • Timer setting range: 0-24 hours • Fan speed setting range: AU -100% • This display is blank when operating in FAN mode. | |
| | Fan speed display | | • Silence 1% |
| | | | • Low 2%-20% |
| | | | • Medium 21%-40% |
| | | | • High 41%-60% |
| | | • High 61%-80% | |
| Louver swing display | | • High 81%-100% | |
| | | • Auto This fan speed can not be adjusted in AUTO or DRY mode. | |
| | | • Horizontal louver swing display | |
| | | • Vertical louver auto swing display (optional function) | |
| | | • A B Not available for this unit | |
| | | • TURBO mode display | |

2 ▶ ON/OFF BUTTON

- Turns the unit on or off.





3 ▶ MODE BUTTON

- Scrolls through operation modes as follows: AUTO → COOL → DRY → HEAT → FAN

4 ▶ ECO/GEAR BUTTON






- Press this button to enter the energy saving mode in the following sequence: ECO → GEAR (75%) → GEAR (50%) → Previous setting mode → ECO

5 ▶ TEMP BUTTON

-  Increases temperature in 1°C (1°F) increments. Max. temperature is 30°C (86°F).
-  Decreases temperature in 1°C (1°F) increments. Min. temperature is 16°C (60°F).
- **NOTE:** Pressing buttons  and  at the same time for 3 seconds will alternate the temperature display between the °C & °F.

6 ▶ SET BUTTON

Scrolls through the operating functions as follows:

- Fresh  → Sleep  → "I Feel"  → AP mode  → Fresh .
- The selected symbol will flash on the display area. Press the OK button to confirm.



7 ▶ OK BUTTON

- Used to confirm the selected functions

8 ▶ TIMER BUTTON

- Set the timer to turn the unit on or off.

9 ▶ FAN SPEED BUTTON

- Selects fan speeds in the following order: AU → 20% → 40% → 60% → 80% → 100%.
- Press the  or  button to increase/decrease the fan speed in 1% increments.

10 ▶ SWING BUTTON

- Starts and stops the louver movement.

11 ▶ BREEZE AWAY BUTTON

- This feature avoids direct air being blown directly at you or any other occupants.
- **NOTE:** This feature is available in Cooling, Fan and Dry modes only

12 ▶ TURBO BUTTON

- Enables unit to reach preset temperature in shortest possible time.
- To activate "I Feel" mode, press the "TURBO" button for 7 s.

13 ▶ LED BUTTON

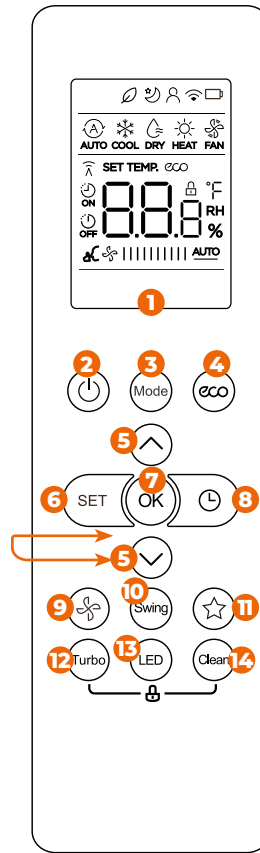
- Turns the air conditioner's buzzer on and off (depending model), which create a comfortable and quiet environment.

14 ▶ CLEAN BUTTON

- This function is used to clean the air conditioner's evaporator, to prevent frosting.

RC19

Ref.: 7ACEL1899



COMPATIBLE PRODUCTS

- HDLA
- SDMX
- CFMD
- SFMD

1 ► DISPLAY

| Information is displayed when the remote control is on. | | |
|---|--|---|
| Operating mode | | • Fresh function display • (No displays when Fresh function is activated) |
| | | • Sleep mode display |
| | | • "I Feel" function display |
| | | • Wireless control function display |
| | | • Low battery detection display (if flashing) |
| | | • AUTO mode |
| | | • COOLONG mode |
| | | • DRY mode |
| | | • HEATING mode |
| | | • FAN mode |
| | | • Transmission Indicator: lights up when remote sends signal to indoor unit |
| | | • TIMER ON display |
| | | • TIMER OFF display |
| | | • Silence function display |
| Temperature/ Timer/Fan speed display | | • Displays the default set temperature, or fan speed or timer setting when using On/Off timer functions. • Temperature range: 17-30 °C/62-86 °F (20-28 °C) (model dependent) • Timer setting range: 0-24 hours • This display is blank when operating in FAN mode. |
| | | • Displays the fan speed setting |
| Fan speed display | | • Silence 1% |
| | | • 2%-20% |
| | | • Low 21%-40% |
| | | • Medium 41%-60% |
| | | • High 61%-80% |
| | • 81%-100% | |
| | • Auto This fan speed can not be adjusted in AUTO or DRY mode. | |

2 ▶ ON/OFF BUTTON

- Turns the unit on or off.





3 ▶ MODE BUTTON

- Scrolls through operation modes as follows: AUTO → COOL → DRY → HEAT → FAN
- **NOTE:** HEAT mode is not supported by the cooling only appliance.

4 ▶ ECO BUTTON






- Press this button to enter the energy saving mode.

5 ▶ TEMP BUTTON

-  Increases temperature in 1°C (1°F) increments. Max. temperature is 30°C (86°F).
-  Decreases temperature in 1°C (1°F) increments. Min. temperature is 17°C (62°F).
- **NOTE:** Press buttons  and  at the same time for 3 seconds will alternate the temperature display between the °C & °F.

6 ▶ SET BUTTON

Scrolls through the operating functions as follows:

- Fresh  → Sleep  → "I Feel"  → AP mode  → Fresh .
- The selected symbol will flash on the display area, press the OK button to confirm.

7 ▶ OK BUTTON

- Used to confirm the selected functions

8 ▶ TIMER BUTTON

- Set the timer to turn the unit on or off.

9 ▶ FAN SPEED BUTTON

- Selects fan speeds in the following order: AUTO → LOW → MED → HIGH.
- **NOTE:** Hold down for 2 seconds to activate silent mode.

10 ▶ SWING BUTTON

- Starts and stops the horizontal louver movement.
- Hold down for 2 seconds to initiate louver auto vertical swing function.

11 ▶ SHORTCUT BUTTON

- Used to restore the current settings or resume previous settings.

12 ▶ TURBO BUTTON

- Enables unit to reach preset temperature in shortest possible time.

13 ▶ LED BUTTON

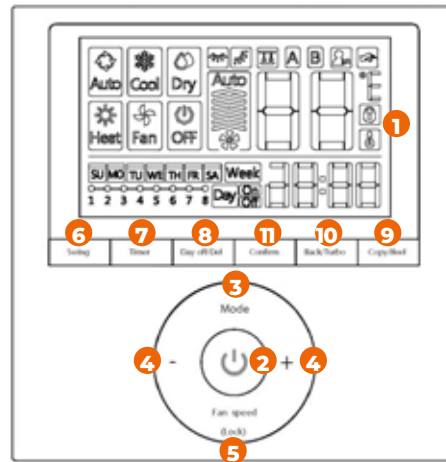
- Turns the air conditioner's buzzer on and off (depending model), which create a comfortable and quiet environment.

14 ▶ CLEAN BUTTON

- This function is used to clean the air conditioner's evaporator, to prevent frosting.

RCW11

Ref.: 7ACEL1774



COMPATIBLE PRODUCTS

- CDMX (optional)
- DDMX
- FDMX (optional)
- DFMD

1 DISPLAY

Information is displayed when the remote control is on.

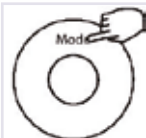
| | |
|--|-----------------------------------|
| | • Operating mode |
| | • Ventilation speed |
| | • Louver left/right position |
| | • Louver up/down position |
| | • Panel (not used) |
| | • Master/slave unit |
| | • "I Feel" function |
| | • Turbo or auxiliary heating mode |
| | • Degrees (°C/°F) |
| | • Temperature display |
| | • Remote control locking |
| | • Ambient temperature |
| | • Time display |
| | • Programming ON/OFF |
| | • Programming display |

2 ON/ OFF BUTTON



• To start/stop use, press the ON/OFF button.

3 MODE SELECTOR BUTTON



Press the **MODE** button to set the operating mode.
(The **HEAT** function is not valid for a Cooling only type unit.)

| | |
|--|--|
| | • Automatic. When this mode is selected, the air conditioner calculates the difference between the thermostat setting and the room temperature and automatically switches to "cooling" or "heating" mode. |
| | • Cooling. The air conditioner cools the room. |
| | • Dehumidify (dry mode). The air conditioner reduces the air humidity in the room. |
| | • Heating. The air conditioner heats the ambient air. |
| | • Ventilation only. The air conditioner circulates the air. |
| | • The air conditioner is off. |

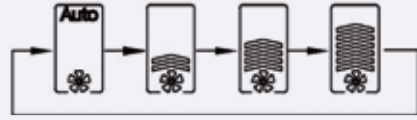
4 ▶ TEMPERATURE SETTING BUTTONS

- - (cooler). Reduce the set temperature.
- + (warmer). Increase the set temperature.

5 ▶ FAN SPEED SELECTION BUTTON



Press the button to set the ventilation speed.
(This button is not available in Auto or Dehumidify mode)



- Press the "Fan speed (Lock)" button for 3 seconds to activate the locking function and lock all the buttons on the wired remote control.

6 ▶ VERTICAL/HORIZONTAL SWING BUTTON



- Press the "SWING" button to start the up/down flap movement.
- Press it again to stop it.
- When the function is activated, the icon appears.



- Keep pressing the "SWING" button to start the louver left/right movement.
- Press it again to stop it.
- When the function is activated, the icon appears.

7 ▶ TIMER BUTTON (PROGRAMMING)



WEEKLY programming

- Use this programming function to set the operating hours for each day of the week.



Programming ON



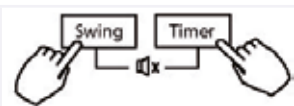
Programming OFF



Programming ON/OFF

- Use this programming function to start and stop the air conditioner.
- The timer is activated and the air conditioner starts, and stops when the set time has elapsed.

6+7 ▶ BUTTON BEEP FUNCTION



- Press the "SWING" and "TIMER" buttons simultaneously for 3 seconds to deactivate the button beep.

8 ▶ DAY OFF/DEL BUTTON



This button has 2 functions:

- The DAY OFF function: press this button to set the day on which the air conditioner will shut down due to absence.
- The DEL function: to cancel the time, mode, temperature and fan speed.

9 ▶ "I FEEL" BUTTON FOR ROOM TEMPERATURE DETECTION AND DISPLAY



- Activates temperature detection in the vicinity of the remote control. This function is available in AUTO, COOL and HEAT mode.
- When the "I Feel" icon the room temperature in the vicinity of the wired remote control is detected.

Copy/hold

- When programming, this button copies the setting for one day to another day.

10 ▶ TURBO BUTTON



- Press the "BACK/TURBO" button to activate/deactivate the Turbo/Auxiliary heating function.
- The BACK function: when programming, this button allows you to go back a step.

10 ▶ BOUTON CONFIRM



- Confirms the programmed action.

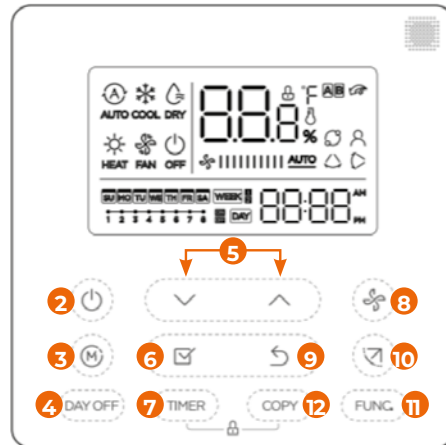
ALARM CODE MANAGEMENT

A malfunction code indicates the error code, which may be useful for servicing purposes.

| N° | Alarm code explanation | Display |
|----|---|---------|
| 1 | • Communication error between the remote control and the indoor unit. | F0 |
| 2 | • The board is faulty. | F1 |

RCW26

Ref.: 7ACEL1876



COMPATIBLE PRODUCTS

- CDMX (optional)
- DDMX (optional)
- FDMX (optional)



To connect the remote control to the systems from sizes FDMX 070, DDMX 070, CDMX 070, **you need to order one 7ACEL1776 interface for each indoor unit.**

1 ► DISPLAY

| Information is displayed when the remote control is on. | |
|---|---|
| | Operation mode indication |
| | Fan speed indication |
| | Temperature display |
| | Lock indication |
| | °C / °F indication |
| | Main unit and secondary unit indication |
| | Turbo function indication |
| | Room temperature indication |
| | Rotating indication |
| | Follow Me function indication |
| | Left-right swing indication (some models) |
| | Clock display |
| | On/Off timer |
| | Timer display |

2 ► POWER BUTTON

- To start/stop use, press the ON/OFF button.

3 ► MODE BUTTON

Press the Mode button to select the operating mode (the heating function is invalid for cooling-only units).

| | |
|--|--------------|
| | • Auto |
| | • Dehumidify |
| | • Heating |
| | • Fan |
| | • Cooling |

4 ▶ DAY OFF/DEL BUTTON

- During the weekly timer, pressing the Del button once, display "0h".
- Press this button twice, display "1h" and wait 3 seconds to confirm. It means the unit will override 1 hours.
- Press this button three times, display "2h" and wait 3 seconds to confirm. It means the unit will override 2 hours.

5 ▶ ADJUST BUTTON

- This button allows you to adjust the temperature as well as scroll through the different functions.

6 ▶ CONFIRM BUTTON

- Press once to confirm your choices during programming.

7 ▶ TIMER BUTTON

WEEKLY TIMER

- Use this timer function to set operating times for each day of the week.

ON TIMER

- Use this timer function to start air conditioner operation.

OFF TIMER

- Use this timer function to stop air conditioner operation.

ON AND OFF TIMER

- Use this timer function to start and stop air conditioner operation.

8 ▶ FAN SPEED BUTTON

- Press the Fan speed button to set the fan speed.

9 ▶ BACK BUTTON


- It allows you to go back when programming or choosing a mode.

10 ▶ SWING BUTTON

- Use the Swing button to adjust the direction of the flaps.

11 ▶ FUNCTION BUTTON

TURBO

- Under COOL/HEAT mode, press the FUNC. Button to activate the turbo function. Press the button again to deactivate the turbo function. When the turbo function is activated, the  mark appears.

ROTATION

- When there are two units, press the button to select the rotating function, and press "Confirm" to turn on or off the rotating function.

FOLLOW ME

- Press the FUNC. button to select whether the room temperature is detected at the indoor unit or the wire controller.

12 ▶ COPY BUTTON

- Copy out the setting in one day into the other day. A reservation made once can be copied to another day of the week. The effective use of the copy mode ensures ease of making reservations.

MORE FUNCTIONS

POWER OFF MEMORY

- After a power failure, the RCW26 remote control restores the previous operating modes.

CHILD LOCK

- This function can lock the RCW26 wired controller and prevent erroneous or mischievous setting change.

REMOTE CONTROL COMPATIBLE

- With Infrared Receiver built-in, RCW26 wired control can receive the signals from remote controller and realize conventional functions.

FOLLOW ME

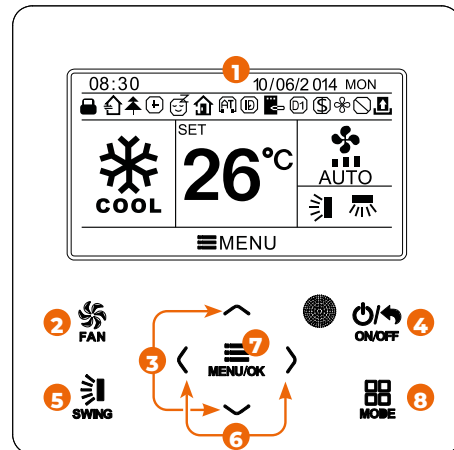
- The wired remote control RCW26 has an integrated temperature sensor.
- The Follow-Me button activates this sensor, which detects and adjusts the room temperature to ensure a better comfort.

OTHERS

- Redundancy and operating time balancing.
- 4 choices of operating mode: - All modes,
 - Heating / Ventilation,
 - Cooling / Dehumidification / Ventilation,
 - Cooling / Heating / Dehumidification / Ventilation.
- Minimum and maximum setpoint temperature limits.
- 2 two-way remote controls for large areas.
- Adjustable backlighting time.
- Equipped with an infrared receiver.

RCW27

Ref.: 7ACEL1874



COMPATIBLE PRODUCTS

- HDLE Aura (optional)

1 ► DISPLAY

| Information is displayed when the remote control is on. | |
|---|--|
| | • Vertical swing function |
| | • Lateral swing function |
| | • FRESH AIR function |
| | • SLEEP function |
| | • AUTO mode |
| | • COOLING mode (air conditioning) |
| | • DRY mode |
| | • FAN mode |
| | • HEATING mode |
| | • HEALTH function (purification) |
| | • I-DEMAND function |
| | • AWAY function |
| | • Locking function (buttons, temperature, ON/OFF, mode and energy saving are locked by the remote display) |
| | • Current set fan speed |
| | • MEMORY function (in case of power failure) |
| | • DRED function |
| | • SAVE function (energy saving) |
| | • X-FAN function (turbo fan) |
| | • Timer Enabled Status |
| | • Door card removed or no-one present status |
| | • QUIET function |
| | • Function lock |

2 ► FAN SPEED SELECTION BUTTON

| Press the button to adjust the fan speed. | |
|---|--|
| LOW, MEDIUM, HIGH, TURBO and AUTO. | |

3 ► TEMPERATURE SETTING BUTTONS

- (warmer). Raises the set temperature.
- (cooler). Lowers the set temperature.

Notes: - In AUTO mode, the set temperature cannot be adjusted.

- and also allow you to set the parameters and move the option slider.

4 ▶ ON/OFF/BACK OPERATION BUTTON

- To start/stop use, press the ON/OFF button.

5 ▶ SWING BUTTONS

Press this button to change mode.



- Use to swing the air supply louver in various vertical and lateral positions.

6 ▶ FUNCTION SETTING BUTTONS

- ◀ and ▶ activate or deactivate the corresponding function.
- Notes:** Also used to set settings and move the option slider.

7 ▶ MENU/OK BUTTON

Press this button to change mode.

Setting the FRESH AIR function

- Press the ▲ or ▼ button to select the FRESH AIR function then press ◀ or ▶ to activate or deactivate this function. Press the MENU button to set FRESH AIR mode. After entering the FRESH AIR mode setting, press the ▲ or ▼ button to set the mode in the range 1-10.
- When the setting is complete, press the MENU button to save the setting.

Setting the SLEEP function

- Press the ▲ or ▼ button to select the SLEEP function then press ◀ or ▶ to activate or deactivate the SLEEP function with automatic save.
- If this feature is enabled, the unit operates from a preset sleep curve to provide a comfortable sleeping environment.

Notes:

- In FAN (fan) or Auto mode, the SLEEP function is not available.
- The SLEEP function can be canceled by turning off the unit or changing the mode.

Setting the HEALTH function

- Press the ▲ or ▼ button to select the HEALTH function then press ◀ or ▶ to activate or deactivate this function with automatic save.

Setting the I-DEMAND function

- Press the ▲ or ▼ button to select the I-DEMAND function then press ◀ or ▶ to activate or deactivate this function with automatic save.

Notes:

- This function is only available in COOLING mode.
- After this function is set, the set temperature displayed in SE. In this case, the temperature and fan speed settings are locked.
- This function is canceled by changing the mode.
- This function and the SLEEP function cannot be activated simultaneously. If the I-demand function is set first and then the SLEEP function, the first will be canceled and the second valid, and vice versa.

Setting the HOLIDAY function

- Press the ▲ or ▼ button to select the HOLIDAY function then press ◀ or ▶ to activate or deactivate this function with automatic save.
- This function is used to maintain the indoor temperature so that the unit can heat up quickly.

Notes:

- This function is only available in HEATING mode.
- When this function is set, the set temperature displayed is 8°C (46°F). In this case, the temperature and fan speed settings are locked.
- This function is canceled by changing the mode.
- This function and the SLEEP function cannot be activated simultaneously. If the Holiday function is set first and then the SLEEP function, the first will be canceled and the second valid, and vice versa.

Setting the MEMORY function

- Press the ▲ or ▼ button to select the MEMORY function then press ◀ or ▶ to activate or deactivate this function with automatic save.

Setting the FIXED-ANGLE SWING mode

- Press the ▲ or ▼ button to select the LOCKED SWING function then press ◀ or ▶ to activate or deactivate this function with automatic save.

Notes: If the FIXED ANGLE SWING function is not available for the connected unit, this function will be automatically canceled after setting.

Setting the SAVE function

- Press the ▲ or ▼ button to select the SAVE function then press ◀ or ▶ to activate or deactivate this function. Press the MENU button to enter the SAVE function setting page.
- After entering the SAVE function setting page, press the ◀ or ▶ button to select the cooling and heating limit temperature. After selecting the cooling and heating limit temperature, press the ◀ or ▶ button to adjust the limit temperature value. When the setting is complete, press the MENU button to save the setting.

Notes: Once the SAVE function has been set, it is not possible to set the AUTO mode.

Setting the AUXILIARY HEATING function

- Press the ▲ or ▼ button to select the AUXILIARY HEATING function then press ◀ or ▶ to activate or deactivate this function with automatic save.

Setting the X-FAN function

- Press the ▲ or ▼ button to select the DRY function, then press ◀ or ▶ to activate or deactivate this function with automatic save.

Notes: This function is only available in COOLING and DRY mode.

Setting the QUIET function

- Press the ▲ or ▼ button to select the QUIET function, then press ◀ or ▶ to activate or deactivate this function with automatic save.

Notes: This function is only available in COOLING, HEATING and AUTO mode.

Setting FAHRENHEIT TEMPERATURE

- Press the ▲ or ▼ button to select the FAHRENHEIT TEMPERATURE function, then press ◀ or ▶ to activate or deactivate this function with automatic save. Once this function is closed, the temperature will appear in Celsius.

Setting the AIR function

- Press the ▲ or ▼ button to select the AIR function, then press ◀ or ▶ to activate or deactivate this function. Press the MENU button to set the AIR function mode. After entering the AIR function mode setting, press the ◀ or ▶ button to set the mode in the range 1-2.
- When the setting is complete, press the MENU button to save the setting.
- Each mode is equivalent to the following: 1. Suction/2. Exhaust.

8 ▶ MODE SELECTION BUTTON

Press this button to change mode.



- Automatic.** When this mode is selected, the air conditioner calculates the difference between the thermostat setting and the room temperature and automatically switches to COOLING or HEATING mode.



- Cooling.** The air conditioner cools the room.









- Dehumidification (drying).** The air conditioner dries the air in the room.



- Fan only.** The air conditioner circulates air.



- Heating.** The air conditioner heats the ambient air.

| ACCESSORY | REFERENCE | PICTURE | PART NUMBER | FUNCTION |
|---------------------------------------|---|---|-------------|--|
| COPPER | | | | |
| INSULATED COPPER M1 | 1/4"-3/8" - 10ml |  | 7ACFH0810 | <ul style="list-style-type: none"> Refrigerant tubing to connect outdoor unit with indoor unit (monosplit and multisplit). |
| | 1/4"-1/2" - 10ml | | 7ACFH0811 | |
| | 3/8"-5/8" - 10ml | | 7ACFH0812 | |
| | 1/4"-3/8" - 7ml | | 7ACFH0813 | |
| | 1/4"-1/2" - 7ml | | 7ACFH0814 | |
| | 3/8"-5/8" - 7ml | | 7ACFH0815 | |
| OUTDOOR UNIT BRACKETS | | | | |
| WALL BRACKET | Max. load 160 kg Horiz. 560 mm Vert. 365 mm Barre 800 mm |  | 7ACTL0506 | <ul style="list-style-type: none"> Bracket for outdoor unit installation (monosplit and multisplit). |
| ANTI-CORROSIONWALL BRACKET | Max. load 160 kg Horiz. 460 mm Vert. 410 mm Barre 790 mm |  | 7ACTL0507 | <ul style="list-style-type: none"> Bracket for outdoor unit installation (monosplit and multisplit). |
| 4 ANTI-VIBRATION PADS (KIT) | |  | 7ACTL0508 | <ul style="list-style-type: none"> Ideal for limiting noise and vibrations (good neighborhood). |
| FLOOR MOUNT RECYCLED RUBBER (PAIR) | Length 600 mm |  | 7ACTL0509 | <ul style="list-style-type: none"> Necessary for a professional installation. High quality: using rubber. |
| | Length 1000 mm | | 7ACTL0510 | |
| FLOOR MOUNT (PAIR) | 450x100 mm |  | 7ACTL0513 | <ul style="list-style-type: none"> Necessary for a professional installation. Good quality price ratio: using PVC. |
| CONDENSATE PUMP | | | | |
| CONDENSATE PUMP MINI FLOWATCH MF2 | |  | 7ACTL0517 | <ul style="list-style-type: none"> Evacuates condensates from indoor units. |
| CONDENSATE PUMP FLOWATCHDESIGN | |  | 7ACTL0518 | <ul style="list-style-type: none"> Evacuates condensates from indoor units. |

| LENGTH | | | |
|-----------------------|--------------|--------------|--------------|
| 1 inch (in) | 0.0254 m | | |
| 1 foot (ft) | 12 inches | 0.3048 m | |
| 1 yard (yd) | 3 feet | 0.9143 m | |
| 1 mile (mi) | 1.760 yards | 1609 m | |
| 1 nautical mile (nmi) | 1852 m | | |
| 1 meter (m) | 39.37 inches | 3.28084 feet | 1.09361 yard |

| MM | INCHES |
|-------|--------|
| 6.35 | 1/4 |
| 9.52 | 3/8 |
| 12.70 | 1/2 |
| 15.88 | 5/8 |
| 19.05 | 3/4 |
| 22.22 | 7/8 |
| 25.40 | 1 |
| 28.58 | 1 1/8 |
| 31.75 | 1 1/4 |
| 38.10 | 1 1/2 |

| VOLUME | |
|--------------------------------------|---|
| 1 cubic inch (cu in) | 16.387064 cm ³ |
| 1 cubic foot (cu ft) | 0.028317 m ³ /28.31685 dm ³ |
| 1 cubic yard (cu yd) | 0.76455 m ³ |
| 1 pint | 0.568 l |
| 1 gallon-imp | 4.546 l |
| 1 gallon (US gal) | 3.78541 l or dm ³ |
| 1 cubic meter (m ³) | 35.31467 cu ft |
| 1 cubic decimeter (dm ³) | 0.26428 gal |
| 1 liter (l) | 1 dm ³ |

| HP (HORSE POWER) * | BTU | KW |
|--------------------|-------|--------|
| 1 | 9000 | 2.637 |
| 1.5 | 12000 | 3.516 |
| 2 | 18000 | 5.274 |
| 2.5 | 24000 | 7.032 |
| 3 | 30000 | 8.79 |
| 5 | 45000 | 13.185 |

| MASS VOLUME | |
|-------------------|---------------------------|
| 1 cu.ft/lb | 62.43 dm ³ /kg |
| 1 US gallon/pound | 8.3 dm ³ /kg |

| DENSITY | |
|---------------|--------------------------|
| 1 pound/cu.ft | 0.016 kg/dm ³ |

| MASS | | |
|------------------|----------|------------|
| 1 ounce (oz) | 28.349 g | |
| 1 pound (lb) | 16 oz | 0.4536 kg |
| 1 quintal U.S | 100 lbs | |
| 1 centweight | 112 lbs | |
| 1 short ton (US) | 2000 lbs | 907.18 kg |
| 1 long ton (GB) | 2240 lbs | 1016.04 kg |
| 1 quintal (q) | 100 kg | |
| 1 tonne (t) | 1000 kg | |

| AREA | | |
|----------------------------------|------------------------|--------------------------|
| 1 square inch (in ²) | 6.4516 cm ² | |
| 1 square foot (ft ²) | 0.0929 m ² | |
| 1 square yard (yd ²) | 0.8361 m ² | |
| 1 square meter (m ²) | 1550 in ² | 10.76391 ft ² |

| ENERGY - HEAT QUANTITY | | |
|------------------------|----------------|-------------|
| 1 cal | 4.18 joules | |
| 1 Btu | 0.252 kcal | 1055 joules |
| 1 Btu/lb.°F | 1 kcal/kg °C | |
| 1 kcal | 1 millithermie | |
| 1 fg/h | -1 kcal/h | |
| 1 kcal/h | 1.163 W | |
| 1 Btu/h | 0.293 W | |
| 1 ton (US) | 3024 kcal/h | 3512 W |
| 1 ton (GB) | 3340 kcal/h | 3878 W |
| 1 watt (thermic) | 0.86 kcal/h | |

° Fahrenheit = °C x 9/5 + 32 / ° Celsius = (°F-32) x 5/9 / ° Celsius = T (Kelvin) - 273.15.
* Indicative values

Rated capacities of our products are given for air conditions as following:
Cooling mode: 35°C out/27°C in (Dry bulb)
Heating mode: +7°C out/20°C in (Dry bulb)



Regulations ON R410A FLUID CONCENTRATION

CALCULATION EXAMPLE

Classic case of a hotel, i.e. a category "A" building.

THE PROJECT/EXAMPLE CHARACTERISTICS ARE:

- ▶ Typical 2-3* hotel.
- ▶ VRF system designed to supply 12 to 16 rooms.
- ▶ Outdoor unit model 280 (10 HP).
- ▶ Reversible VRF that can supply up to 16 units.
- ▶ 11 kg of R410A refrigerant recommended.
- ▶ Smaller bedroom, bathroom included:
13 m² > volume = 32.50 m³.
- ▶ CMV ventilation of 60 m³/h, i.e. 10 m³ in 10 minutes.

THIS GIVES THE FOLLOWING CALCULATION:

- ▶ Room volume to take into account:
32.50 + 10 = 42.50 m³.
- ▶ **MAXIMUM LOAD UNDER THE STANDARD:**
0.44 kg/m³ x 42.5 m³ = 18.7 kg of refrigerant
- ▶ Since the calculation is determined for the room with the smallest volume, the total refrigerant capacity of the installation must be taken into account:
 - Outdoor unit (11 kg) + network backup.
 - The network back-up is calculated according to the lengths and diameters of the copper piping used. See refrigeration diagram.
- ▶ **MAXIMUM PROJECT LOAD CALCULATION:**
11 kg + (4.520 kg) = 15.520 kg of refrigerant

COMPLIANT WITH REGULATIONS

NEW PRODUCT

naming system

Discover below some tips to decipher our references and product codes more quickly.

1 ► UNDERSTANDING PRODUCT CODES

| DIGIT N° 1 | DIGIT N° 2 & 3 Product constitution | DIGIT N° 4 & 5 subfamily |
|------------|--|---------------------------------|
| 2 AirSolar | VF VRF | 01 Floor ceiling |
| 7 Airwell | OG Chilled water terminal | 02 High wall |
| E Electra | KT Kit | 03 Ducted |
| J Johnson | MB Monoblock | 04 Cassette |
| | SP Split (2 units) | 05 Window |
| | CK Unassembled product | 06 Monosplit condensing unit |
| | PR Spare part | 07 Console |
| | EN Renewable energy | 08 Portable |
| | | 09 Multisplit condensing unit |
| | | 10 Floor standing |
| | | 11 Airflow |
| | | 12 Rooftop unit |
| | | 13 Hydraulic module |
| | | 17 Thermodynamic water heater |
| | | 18 Vertical cabinet |
| | | 14 Monoblock condensing unit |
| | | 15 VRF water source |
| | | 19 Water source |
| | | 20 Water condenser |
| | | 21 Water-cooled condensing unit |
| | | 22 Hybrid panel |
| | | 23 Photovoltaic panel |
| | | 24 Heating panel |
| | | 25 Micro-inverter |

2 ► UNDERSTANDING ACCESSORY CODES

| DIGIT N° 1 | DIGIT N° 2 & 3 | DIGIT N° 4 & 5 (& 6) |
|-----------------------------|----------------|--|
| 7 Airwell assembled product | AC Accessories | EL Electricity kit - Heating |
| | | ELH Electricity kit - Heating / VRF |
| | | FH Cold & hydraulic kit |
| | | FHH Cold & hydraulic kit / VRF |
| | | TL Sheeting Kit / Casing & Metal sheet Kit |
| | | VF Fan & airflow kit |
| | | VFH Fan & airflow / VRF kit |

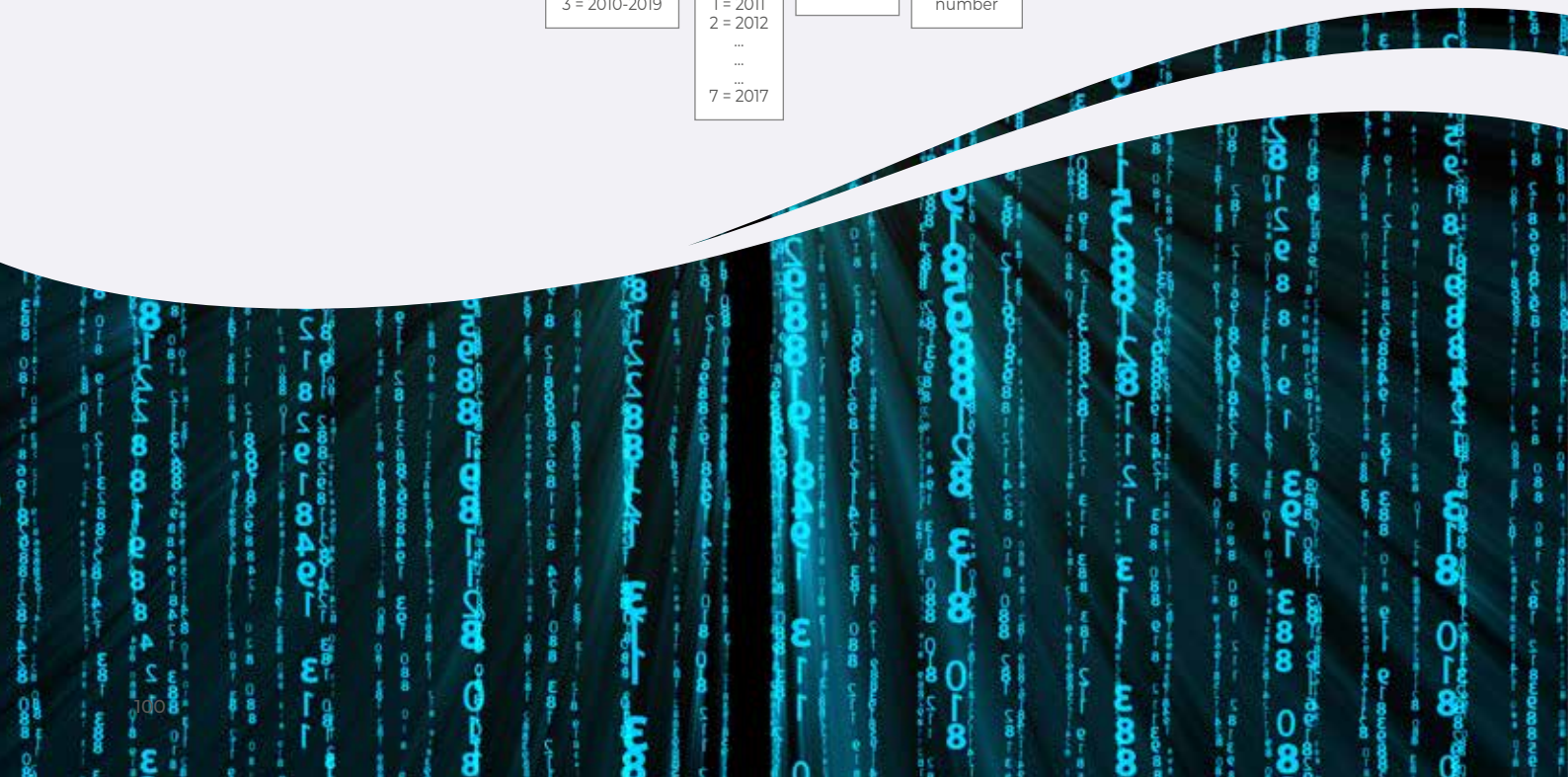
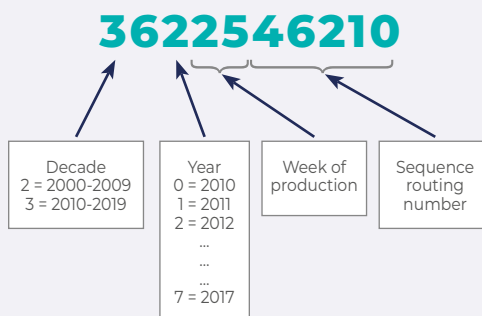
3 ► UNDERSTANDING PRODUCT REFERENCES

See the table below to help you understand the new product naming system.

| TYPE | TECHNOLOGY | PRODUCT POSITIONING / IDU | UPGRADE | SIZE (kW) | MODE | REFRIGERANT | PHASE (current type) | POWER SUPPLY | ELECTRICAL FREQUENCY |
|------------------------------|---------------|----------------------------------|---------------------------|-----------------------|-------------------|---------------------|----------------------|--------------|----------------------|
| B Monoblock condensing unit | D DC Inverter | L Entry level | W 1 st upgrade | 015 5000BTU / 1.5 kW | N Neutral | 01 R410A | M Single-phase | 1 110 V | 5 50 Hz |
| C Cassette | F Fix RPM | M Medium level | X 2 nd upgrade | 022 7000BTU / 2.2 kW | T Triple-service | 02 R407C | T Three-phase | 2 220-230 V | 6 60 Hz |
| D Ducted | V VRF | H High-end | Y 3 rd upgrade | 025 9000BTU / 2.5 kW | C Cooling only | 03 R134A | | 3 380-400 V | 2 50Hz/60Hz |
| F Floor ceiling | N Neutral | VEHICLE OF EXCHANGE / ODU | Z 4 th upgrade | 035 12000BTU / 3.5 kW | R Reversible | 04 R290 | | 4 460 V | |
| H High wall | | A Air / Air | | 050 18000BTU / 5 kW | H Heating only | 05 CO ₂ | | | |
| J Ventilation | | H Air / Water | | 060 21000BTU / 6 kW | M Monocrystalline | 06 R22 | | | |
| M Portable | | W Water / Water | | 070 24000BTU / 7 kW | P Polycrystalline | 07 R410a + R32 | | | |
| O Hydraulic module | | O Water / Air | | 080 27000BTU / 8 kW | | 08 H ₂ O | | | |
| P Vertical cabinet | | | | 090 30000BTU / 9 kW | | 09 R32 | | | |
| R Rooftop | | | | 100 36000BTU / 10 kW | | 10 Solar | | | |
| S Floor standing | | | | 120 42000BTU / 12 kW | | | | | |
| T Thermodynamic water heater | | | | 140 48000BTU / 14 kW | | | | | |
| V Condensing unit VRF | | | | 150 50000BTU / 15 kW | | | | | |
| W Window | | | | 160 55000BTU / 16 kW | | | | | |
| X Console | | | | 170 58000BTU / 17 kW | | | | | |
| Y Monosplit condensing unit | | | | 300 30 kW | | | | | |
| Z Multisplit condensing unit | | | | ... | | | | | |

4 ► UNDERSTANDING SERIAL NUMBERS

Each unit (IDU or ODU) is also identify with a unique serial number which can assist tracing the unit.



Sizing THE AIR CONDITIONING

STEP 1: EVALUATING THE NEEDS

In order to size properly your air conditioning installation, it's important to calculate the thermal needs of your habitation to calculate the power needed for your installation.

SIZING THE COOLING NEEDS BY OCCUPANCY RATIO

We use the following ratio to calculate the cooling capacity needed:

$$90 \text{ W/m}^2 + 100 \text{ W/Occupant}$$

The calculation is to be done room by room.

SIZING THE HEATING NEEDS BY THE G METHOD

The G is the volume loss coefficient of the building, corresponding to the total thermal losses through walls, windows, roofs... It's expressed in $\text{W/m}^3/\text{°C}$. This coefficient is related to the building insulation.

$$\text{Heating capacity (W)} = G \times V \times \Delta T$$

G = global loss coefficient ($\text{W/m}^3/\text{°C}$):

- ▶ 0.65 $\text{W}/\text{°C m}^3$ RT 2012 constructions
- ▶ 0.75 $\text{W}/\text{°C m}^3$ construction after 2000
- ▶ 0.9 $\text{W}/\text{°C m}^3$ constructions after 1980
- ▶ 1.2 $\text{W}/\text{°C m}^3$ moderately insulated constructions
- ▶ 1.8 $\text{W}/\text{°C m}^3$ poorly insulated constructions

V = building volume (m^3)

ΔT = Difference between indoor temperature (19 or 20 $^{\circ}\text{C}$), and average outdoor temperature in the region where the project is based.

STEP 2: OUTDOOR UNIT SELECTION

- ▶ Divide the cooling and heating needs calculated before (see step 1).
- ▶ Calculate the global needs by zone, in order to determine outdoor unit capacity.

| STEP 2: EXTERIOR UNIT SELECTION | | | |
|---------------------------------|--------------|---------------------|---------------------|
| Zone | Room | Cooling needed (kW) | Heating needed (kW) |
| ZONE 1 | Room n°1 | | |
| | Room n°2 | | |
| | Room n°3 | | |
| | Room n°4 | | |
| | Room n°5 | | |
| | Room n°6 | | |
| | Total | | |
| ZONE 2 | Room n°1 | | |
| | Room n°2 | | |
| | Room n°3 | | |
| | Room n°4 | | |
| | Room n°5 | | |
| | Room n°6 | | |
| | Total | | |
| ZONE 3 | Room n°1 | | |
| | Room n°2 | | |
| | Room n°3 | | |
| | Room n°4 | | |
| | Room n°5 | | |
| | Room n°6 | | |
| | Total | | |

CALCULATION OF NEEDS

Example of simplified heat balance using the following formula:

$$D = G \times V \times \Delta T$$

- ▶ **D** = represents heat loss in Watts.
- ▶ **G** = is the volume ratio of heat loss, corresponding to the insulation of the house (in W/m³/°K).
- ▶ **V** = is volume of the house in m³.
- ▶ **ΔT** = is the difference between the basic outdoor temperature and the indoor temperature.

This balance does not replace the one performed by a design office, which is recommended for all types of installations, in particular for specific buildings (architecture, insulation, etc.).

| EXAMPLES | |
|--|----------------|
| New-build (very well insulated) | G = 0.4 |
| Insulated house | G = 0.9 |
| Modern house | G = 1.0 |
| Poorly insulated old house (standard wall) | G = 1.3 |
| Veranda | G = 2.5 to 3.0 |

HEAT PUMP SELECTION

Select heat pump capacity depends on heat losses:

1 ▶ Sizing a HT heat pump and its electrical backup or boiler (ON/OFF bi-compressor solution)

- 70% of losses ≤ Heating capacity of the heat pump ≤ 100% of losses
- 120% of losses = Total power delivered by the heat pump + backup (electrical or fossil energy).
- Basic outdoor temperature ≤ Heat pump operating limit temperature - 5°C.

2 ▶ Sizing a LT heat pump and its electrical backup or boiler (DC Inverter bi-compressor solution)

- 80% of losses ≤ Heating capacity of the heat pump ≤ 100% of losses
- 120% of losses = Total power delivered by the heat pump + backup (electrical or fossil energy).
- Basic outdoor temperature ≤ Heat pump operating limit temperature - 5°C.

DHW POWER CALCULATION

Domestic Hot Water needs

| NUMBER OF PEOPLE IN THE HOME | 1 | 2 | 3 | 4 | 5 |
|--|---------|---------|---------|---------|---------|
| DAILY WATER NEEDS BY PERSON (IN LITERS OF WATER AT 40°C) | 80 ± 35 | 60 ± 25 | 50 ± 20 | 45 ± 20 | 45 ± 20 |

Preparation with accumulation only: the DHW is produced in 6 or 8 hours.

Equivalent volume at 60°C:

$$V_{60} = V_x \frac{T_x - 10^\circ}{60^\circ - 10^\circ}$$

with: **T_x** = storage temperature of the DHW tank
V_x = water volume at storage temperature T_x

STEP 1 ▶ Energy drawn during the day

- ▶ It consists in calculating the maximum volume of hot water (equivalent to 60°C) drawn during the heaviest-laden day of the year.
- ▶ The energy drawn via hot water is given by the formula:

$$E_{acc} = 1.16 V_{60acc} (60^\circ - 10^\circ) / 1000$$

with: **E_{acc}** = energy drawn over a full day in kW/h
V_{60acc} = total hot water drawn during a day, including all usage, adjusted to 60°C, in liters
1.16/1000 = adjustment coefficient
10° = cold water temperature

STEP 2 ▶ Storing volume and exchanger capacity

- ▶ Storage tank volume given in liters by:

$$\text{Volume} = \frac{1000 \times E_{acc}}{1.16 \times (T_{ec} - 10^\circ) \times a}$$

with: **T_{ec}** = water temperature in the tank (between 55 and 60°C)
10° = cold water temperature, being the minimum temperature reached by the water in the tank while guaranteeing users comfort
a = storage efficiency coefficient (between 0.8 and 0.95)

- ▶ The exchanger capacity, given in kW by the following formula, allows to recover the hot water stock in 6 or 8 hours.

$$\text{Heat exchanger capacity (DHW)} = \frac{E_{acc}}{6 \text{ to } 8 \text{ h} \times 0.9} + P_{dis}$$

with: **P_{dis}** = losses in distribution circuit. In case of a distribution loop, it will be the power needed for maintaining the temperature in the loop.

0,9 = add-on factor, offsetting the storage losses during the stock restoration period

- ▶ Generally, a minimum power of 10 to 12 W/l per stored liter.

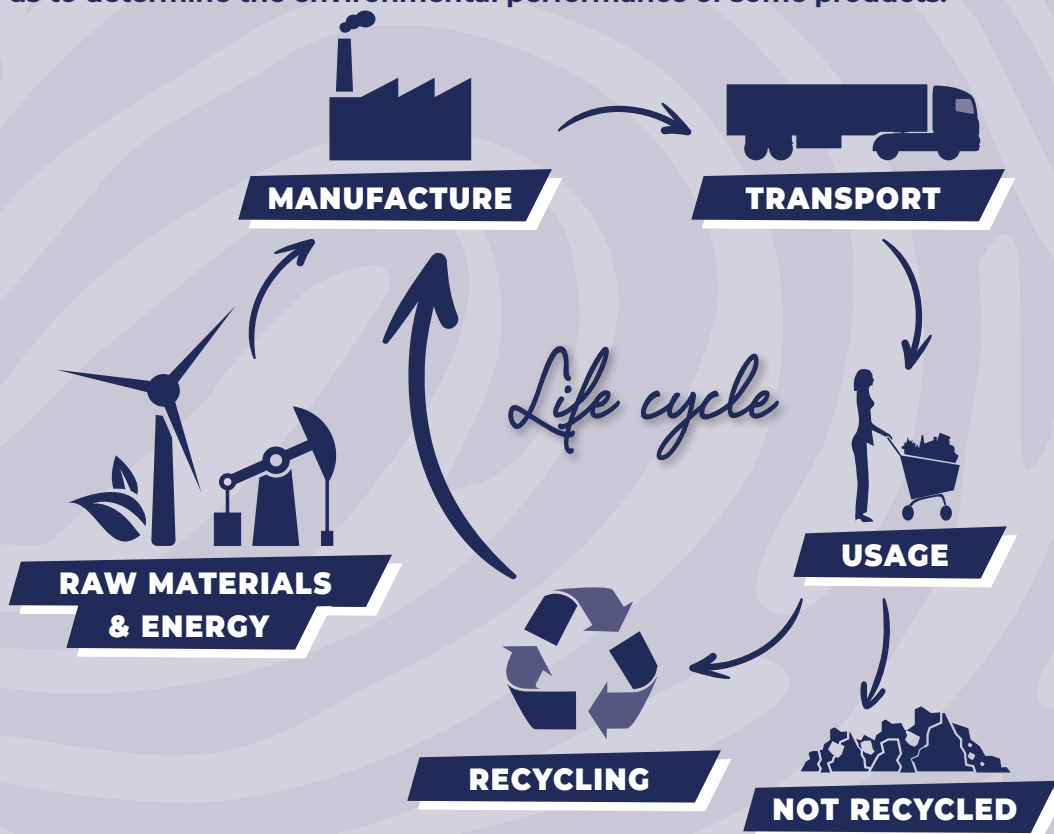
PEP ECOPASSPORT®



Airwell is part of an eco-environmental approach including a life cycle analysis of our products, and drawing up a Product Environmental Profile (PEP).

This life cycle analysis (LCA) allowed us to inventory and quantify, throughout the products life cycles, the physical material and energy flow associated with human activities. All the life cycle phases have been taken into account: raw materials, manufacturing, transport, distribution, usage, end of life and recycling.

The PEP meets the requirements of ISO 14025, 14040 and 14044. It allows us to anticipate the regulatory obligations, and forms part of the ecodesign approach which Airwell wants to follow. Finally, drawing up a POP allowed us to determine the environmental performance of some products.



A series of horizontal dotted lines for writing notes.

TECHNOLOGY



FLEXY MATCH

Indoor units are compatible with monosplit or multisplit installation.



DC INVERTER

Compressor with high efficiency DC engine.



R410A FLUID

R410A Refrigerant.



R32 FLUID

R32 Refrigerant.



R407C FLUID

R407C Refrigerant.



R290 FLUID

R290 Refrigerant.



R134A FLUID

R134A Refrigerant.



ELECTRONIC EXPANSION VALVE

Precise control of refrigerant flow, optimized of performance and compressor protection.



MULTIFLOW 360°

4-direction air distribution system with great comfort through 360°, with motorized opening control.



GOLDEN FIN CONDENSER

Improve heat transfer efficiency and corrosion resistance.

AIR QUALITY/CLEAN



AIR FILTER

Eliminates fine particles and purifies the air.



AUTO CLEAN/DRY

Prevents development of bacteria and moistures keeping the heat exchanger dry after a cooling operation.



FRESH AIR

Cools the room by bringing fresh air from outside.

USER FUNCTIONS



I FEEL

Precise temperature control all around the chosen zone via a remote temperature sensor.



NIGHT MODE

Temperature in the room adjusted based on sleeping habits.



QUIET MODE

Top design for the lowest sound level.



PROGRAMMABLE TIMER

Timer set to switch the unit on and off.



TIMER

Timer for switching the appliance on or off.



AUTO RESTART (MEMORY)

Automatically restarts the unit in the last used mode when power is restored.



REMOTE CONTROL LOCK

Locks the remote functions to avoid inadvertent actions.



WI-FI

Air conditioner controlled via smartphone, tablet or computer through a wireless router and internet, thanks to AirHome App.

INSTALLER FUNCTIONS



ERROR CODE VIA INDOOR UNIT

Digital display of error codes or temperature settings on the indoor unit.



AUTO-DIAGNOSTIC

Unit failure indicated by a blinking led on the unit display.



BUILT-IN CONDENSATE PUMP

Eliminates condensate, for a simple and smooth running.



LEFT/RIGHT DRAIN CONNECTION

Easy-to-install condensate tubing, either on the left or right side.



ALARM OUTPUT

Remote transmission of malfunctions.



DRY CONTACT ON/OFF

Connection to a detection accessory (room card, presence detection, window...) to make energy savings.



BMS COMPATIBLE

Connection to the BMS system.



SERVICE MONITOR TOOL

Local interface for monitoring the operating parameters.



TECHNICIAN TEST MODE

Special mode optimizing the technician's intervention time.



HEATING MODE ONLY

The unit can be configured in heating only mode.

HEATING RANGE



WEEKLY TIMER

Program a scenario that will be automatically executed by the device on a weekly basis.



COOLING MODE OPERATIONAL UP TO 43°/46°C OUTDOORS

Operation in cooling mode even at very high outside temperature, thanks to the special design of the unit.



HEATING MODE OPERATIONAL DOWN TO -20°/-25°C OUTDOORS

Heating mode available even at very low outdoor temperatures, thanks to the special design of the unit.



HIGH TEMPERATURE UP TO 55°/60°C

High temperature production up to 60°C.



FLOOR HEATING

Connection available with a low-temperature transmitter.



HIGH-TEMPERATURE RADIATOR

Connection available with a high-temperature transmitter.



LOW-TEMPERATURE RADIATOR

Connection available with a low-temperature transmitter.



BOILER BACK-UP

Complement a boiler with a heat pump.



WATER PROGRAMS

The regulator maintains the heat pump power in accordance with a water logic based on outdoor temperature.



KEYMARK CERTIFICATION

The product is Keymark certified.

AS PART OF ITS INVOLVEMENT IN THE
ENERGY TRANSITION
AIRWELL HAS IMPLEMENTED THE

Airwell ACADEMY

TECHNICAL & QUALIFICATION TRAINING

to allow maintenance technicians, installers and distributors to develop their knowledge and offer them an energy management system that is both essential for their activity but also for the planet!



Read more about training at:
www.airwell-academy.fr

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