

VIVAX



HEATING AND COOLING CATALOGUE 2021

Contents

Vivax Air Conditioners 2021	2
Device functions	4
Vivax technology	6
WALL SPLIT SYSTEM	
Y design	12
E+ design	14
V design	16
W design	18
R design	20
M design	22
Q design	24
I design	26
Console Split System – CT AERI series	28
Floor & Ceiling Split System – CF AERI series	30
Cassette System – CC AERI series	32
Duct Type System – DT AERI series	34
Portable Air Conditioners – AEF & AEH series	36
MULTI SPLIT SYSTEM	
Wall-Mounted Indoor Units	39
Floor-Mounted and Floor-Ceiling Indoor Units	40
Cassette and Duct Indoor Units	41
Outdoor Units	42
Multi Split Combinations	43
HEAT PUMPS	
Introduction	44
Flexible Operation and more comfort	46
Total Heat Solution	47
Specifications	48

Why to choose VIVAX?

VIVAX Air Conditioners started their path in the market 17 years ago, and their owe their success to a smart development policy, top quality air conditioners and perfect design, the value of which has been confirmed by various awards and recognitions. The group of professionals who chose VIVAX in the category of Air Conditioners, in their job highly appreciates the reliability and high-tech component of the product.

VIVAX Air Conditioners are adapted to each target group, and are characterized by superior design for the most modern spaces to classic models for those who are more inclined to traditional decoration. Special emphasis was placed on energy efficiency, and thus on high standards in environmental protection.

VIVAX brings other features such as quiet operation when cooling and heating the room, and clean air, which is taken care of by numerous filters, is among the most important conditions for a comfortable stay in the room.

The Bio filter and ionizer purify the air and activate oxygen, thus improving air quality.

WI-FI AIR CONDITIONING MANAGEMENT

Access your air conditioner anytime, anywhere with the built-in Wi-Fi module and Vivax's NetHome® Plus air conditioning control app. With one touch on your mobile device, select the desired temperature, and walk into your perfectly chilled home in the summer months. In addition to turning on and off, you can set a timer via the mobile app, find out in which mode it works or diagnose a potential malfunction.

STAY COOL WITH STYLE – CHOOSE COLOR

In addition to all the above benefits of using Vivax air conditioners, special attention is paid to the design itself. Simplicity fits into any interior. And a great specificity on the market are the color air conditioners, so that you can breathe a touch of specialness into your home. Be different and be surprised how the unit will emphasize the uniqueness of the interior and give it a timeless beauty. Choose the room temperature that suits your wishes. Top performance brings freshness in the summer months and ensures energy efficient heating in the winter months.



WARRANTY

Warranty period for VIVAX AC is **36 months** with obligatory annual service performed by authorised service centre. Detailed information regarding warranty and list of authorised service centres can be found on **vivax.com**



Vivax history

- 2021 Present in more than 40 countries
- 2020 Heat Pumps
- 2019 Popular R design in new colors
R32 gas in all Vivax air conditioners
R290 gas in all Vivax portable air conditioners
Golden fin in all outdoor units
Qudal QQuality meDAL – Award 2019/2020
- 2018 Seventh generation of Multi Split AC
Fifth generation of light commercial AC
Best Buy Award 2018/2019
- 2017 Development of the first -32 °C heating and cooling Air Conditioner, 73 available devices
- 2016 Sixth generation of multi split air conditioners
Fifth generation of light commercial air conditioners
65 devices available
- 2015 Fifth generation of multi split devices
Fourth generation of light commercial air conditioners
First Wi-Fi devices, 61 devices available
- 2014 Presentation of first super free match system
59 devices available
- 2013 Fourth generation of multi split air conditioners
Third generation of light commercial air conditioners
- 2011 Third generation of Multi Split Air Conditioners
- 2008 Second generation of light commercial and Multi Split Air Conditioners
- 2007 First ceiling and floor Air Conditioners
- 2006 First generation of Multi Split Air Conditioners and accessories
- 2005 First Inverter, Portable Air Conditioners and Cassette Type AC
- 2004 First Vivax Air Conditioners on the market

WALL SPLIT SYSTEM

Y-DESIGN R32



2.9 kW | 3.5 kW



White

E⁺-DESIGN R32



3.5 kW



White

V-DESIGN R32



3.5 kW



Gold
Gray Mirror

W-DESIGN R32



3.5 kW | 5.0 kW

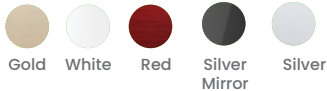


Gray Mirror

R-DESIGN R32



2.9 kW | 3.5 kW | 5.3 kW | 7.0 kW



Gold White Red Silver Mirror Silver

M-DESIGN R32



2.9 kW | 3.5 kW | 5.3 kW | 7.0 kW



White

Q-DESIGN R32



2.9 kW | 3.5 kW | 5.3 kW | 7.0 kW



White

I-DESIGN R32



3.5 kW



White

CONSOLE SPLIT SYSTEMS

CT-AERI



3.5 kW | 5.0 kW

FLOOR & CEILING SPLIT SYSTEMS

CF-AERI



5.3 kW | 7.0 kW | 10.5 kW
14.1 kW | 16.1 kW

CASSETTE SPLIT SYSTEM

CC-AERI



3.5 kW | 5.3 kW | 7.0 kW
10.5 kW | 13.8 kW | 16.1 kW

DUCT SPLIT SYSTEM

DT-AERI



3.5 kW | 5.3 kW | 7.0 kW
10.5 kW | 13.8 kW | 16.1 kW

Products Overview

MULTI SPLIT SYSTEM

WALL-MOUNTED INDOOR UNITS

AERI



FLOOR-MOUNTED INDOOR UNITS

CT-AERI



CASSETTE INDOOR UNITS

CC-AERI

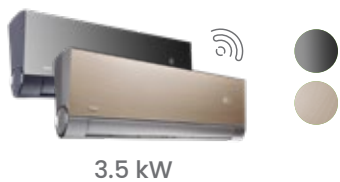


OUTDOOR UNITS

COFM-AERI



AEVI



FLOOR-CEILING INDOOR UNITS

CF-AERI



DUCT INDOOR UNITS

DT-AERI



4.0 kW | 5.3 kW | 6.0 kW | 7.9 kW
8.2 kW | 10.5 kW | 12.3 kW

HEAT PUMPS



R32 6.5 kW | 8.4 kW | 10 kW | 12 kW | 14 kW | 15.5 kW

PORTABLE AIR CONDITIONERS

AEH R290



AEF R290



Device functions

		ECO MODE	MOVEMENT DETECTOR	0.5/1W STANDBY	COMFORTABLE SLEEP FUNCTION	I FEEL	TURBO	AUTO OPERATION	AUTO SWING	MEMORY FUNCTION	IONIZER	NANO AQUA	SELF DIAGNOSIS	SOFT START	TIMER	LED DISPLY	BIO FILTER	DUST FILTER
	Y DESIGN	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•
	E+ DESIGN	•		•	•	•	•	•	•	•	•		•	•	•	•	•	•
	V DESIGN	•		•	•	•	•	•	•	•	•		•	•	•	•	•	•
	W DESIGN			•			•	•	•	•	•	•	•	•	•	•	•	•
	R DESIGN	•		•	•	•	•	•	•	•	•		•	•	•	•	•	•
	M DESIGN			•	•	•	•	•	•	•			•	•	•	•	•	•
	Q DESIGN			•	•		•	•	•	•			•	•	•	•		•
	I DESIGN			•			•	•	•				•			•		•
	PORTABLE AIR CONDITIONERS			•	•			•		•			•		•	•		•
	CONSOLE SYSTEM (CT AERI)				•		•	•	•	•			•	•	•	•		•
	FLOOR CEILING SYSTEM (CF AERI)				•		•	•	•	•			•	•	•	•		•
	CASSETTE SYSTEM (CC AERI)				•		•	•	•	•			•	•	•	•		•
	DUCT SYSTEM (DT AERI)				•		•	•	•	•			•	•	•	•		•
MULTI SPLIT	WALL MOUNTED INDOOR UNITS				•	•	•	•	•	•	•		•	•	•	•	•	•
	FLOOR MOUNTED INDOOR UNITS				•		•	•	•	•			•	•	•	•		•
	FLOOR-CEILING INDOOR UNITS				•		•	•	•	•			•	•	•	•		•
	CASSETTE INDOOR UNITS				•		•	•	•	•			•	•	•	•		•
	DUCT INDOOR UNITS				•		•	•	•	•			•	•	•	•		•
	OUTDOOR UNITS				•		•	•	•	•			•	•	•	•		•

| ENERGY SAVING



ECO Mode



0.5W / 1W Standby



Comfortable Sleep Function

| HEALTH



Ionizer



Catalyst Filter



BIO Filter



Nano Aqua sterilisation



Dust Filter



Self-cleaning



Golden Fin



Blue Fin

| RELIABILITY



Emergency Using Function



Intelligent Defrosting



Self Diagnosis Displaying



Valve Protection Cover



Refrigerant Leakage Detect



100% Capacity on -15°C



PTC Heater



Heating in extreme conditions



Cooling in extreme conditions

MUTE OPERATION	CATALYST FILTER	SELF CLEANING	PTC HEATER	ENERGY SAVING	LOW VOLTAGE START-UP	VALVE PROTECTION COVER	-15°C HEATING	-20°C HEATING	-32°C HEATING	-15°C COOLING	AUTO DEFROST	Wi-Fi READY	Wi-Fi	3-FANS SPEED	3D AIRFLOW	BUILT IN DRAIN PUMP	8°C HEATING	WIRED CONTROLLER	GOLDEN FIN
		•	•	•	•	•			•	•	•		•		•		•		•
		•	•	•	•	•		•		•	•	•		•	•				•
		•	•	•	•	•		•		•	•	•		•	•		•		•
	•	•	•	•	•	•	•			•	•	•	•	•	•				•
•					•	•	•			•	•	•		•			•		•
•					•	•	•			•	•	•		•			•		•
	•	•				•	•				•	•							•
					•	•													
			•			•		•		•	•	•		•					•
	•		•		•	•		•		•	•	•		•				•	•
			•		•	•		•		•	•	•		•		•		•	•
		•			•			•		•	•	•		•		•		•	•
		•			•			•		•	•	•		•				•	•
		•			•			•		•	•	•		•				•	•
		•			•			•		•	•	•		•		•		•	•
		•			•			•		•	•	•		•		•		•	•
		•			•			•		•	•	•		•		•		•	•
		•	•		•	•		•		•	•			•				•	•

We reserve the right of eventual printing errors

COMFORT & PRACTICALITY



Wi-Fi Ready



I Feel Function



Wired Controller



Mono & Multi Compatible



Digital Display



Turbo



2-Way Draining



Strong Airflow



Manual on/off



Mute Operation



3D Air Flow



Louver Position Memory Function



Auto Operation



Memory Function



Built in Drain Pump



Intelligent Air



8°C heating



12 Fan Speeds



360° Air Flow Panel



Movement Detector



Self-Evaporative System



Omni-Directional Caster



Humidity Control



Timer

Vivax Technology contribute to health

Density pre filter can effectively prevent large particles such as pet hair, dust and other airborne particles. Bio HEPA filter can capture micro dust of less than $0.3\mu\text{m}$; effectively remove fungi, pollen and other harmful substances providing with fresh, clean and healthy air.

The ionizer removes and eliminates bacteria and viruses from the air, increases blood oxygen capacity, improves metabolism, increases concentration and alertness, eliminates fatigue, increases resistance to disease, has an extremely good effect against headaches, insomnia, constipation, allergies, asthma, and many other ailments.



Bacteria



Fungi



Spores



Pollen

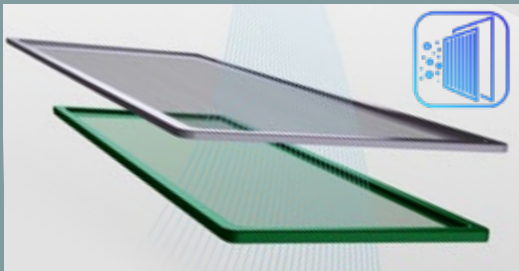


Pet
Dander



Dust
particles

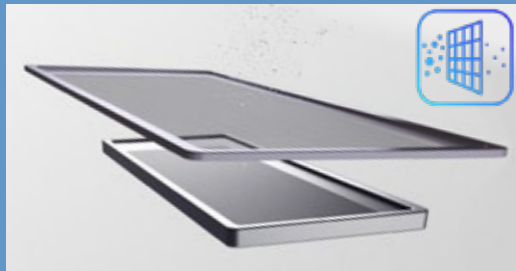




Bio filter

Dual filtration Tehnology

Bio HEPA filtration system removes airborne particles, like PM0.3 and other harmful substances, providing fresh, clean and healthy air for you. Density pre filter can effectively prevent large particles such as pet hair, dust and other airborne particles.



Silver Ion filter

Dual filtration Tehnology

Silver Ion filtration system effectively eliminates bacteria, fungi and other harmful substances from the air, effectively inhibits the further growth of these bacteria and other microbes. Density pre filter can effectively prevent large particles such as pet hair, dust and other airborne particles. The Silver ion effectively and continuously sterilizes bacteria and controls the growth of harmful microbes by destroying their inner-configuration and absorbing the cells elements. Ensure that the bacteria cell won't harm the air surrounding it.



Cathalyst filter

Dual filtration Tehnology

ColdCatalyst filtration system thoroughly eliminates harmful substances and decomposes a variety of harmful gases, providing clean and healthy air for you.

Nano Aqua Ionizer

Ionizes the air and releases positive and negative ions to sterilize the air with efficiency up to 97.5%. Since particles are now heavier they fall to the ground and are not in the air any more. They are easily cleaned with a vacuum cleaner from the floor or wiped from other surfaces.



Ionizer

Negatively charged ions bind to pollutants and allergens, which are positively charged. The newly formed larger particles fall to the ground and are removed from the air we breathe, and cannot reach your respiratory tract.

In short, negative ions destroy bacteria, vitalize our cells, increase blood oxygen capacity, improve metabolism, increase concentration and alertness, eliminate fatigue, increase resistance to disease, have an extremely good effect against headaches, insomnia, constipation, allergies, asthma, and many other ailments.



3D DC INVERTER

SUPERIOR PERFORMANCE TO MEET INFINITE CHALLENGES

Function description



3D Inverter

The exclusive inverter technology empowers Vivax inverter compressor to deliver best-in-class performance, operating powerfully, efficiently, speedily and steadily under all conditions and at all time.

A+++ in heating and cooling

ULTRA-HIGH ENERGY EFFICIENCY VIVAX Y DESIGN



Y DESIGN series is equipped with ultra-high end energy efficiency technology. You can indulge in comfortable warmth/coolness while significantly reducing energy consumption. A+++ energy efficiency class confirms it.



R32 is an HFC refrigerant that many air conditioning manufacturers are adopting for its performance in regards to the environment, energy consumption, efficiency and safety. Compared to R410A, R32 has a GWP (Global Warming Potential) of 675 — about 30% lower. Both refrigerants have an ODP (Ozone Depletion Potential) of 0. R32 systems use up to 20% less refrigerant than R410A, making them more efficient and cost less to operate



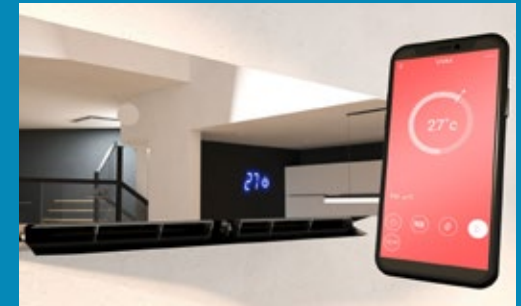
Mute Operation

Want to turn off the AC beep and display? By pressing mute operation, VIVAX AC helps you to make a quiet atmosphere and comfortable environment.



WiFi Air Conditioner Control

Access your air conditioner anytime, anywhere with the built-in Wi-Fi module and Vivax's NetHome® Plus air conditioning control app. With one touch on your mobile device, select the desired temperature, and walk into your perfectly chilled home in the summer months. In addition to turning on and off, you can set a timer via the mobile app, find out in which mode it works or diagnose a potential malfunction.



Available on the
App Store

GET IT ON
Google play



**NetHome
Plus
App**

Bionic Blower Wheel and Improved Air Duct

Based on natural models and bionic principles, Vivax fan blade design can effectively reduce airflow resistance and noise. Together with the optimized air duct, it delivers the same air flow volume with 30% less energy consumption.

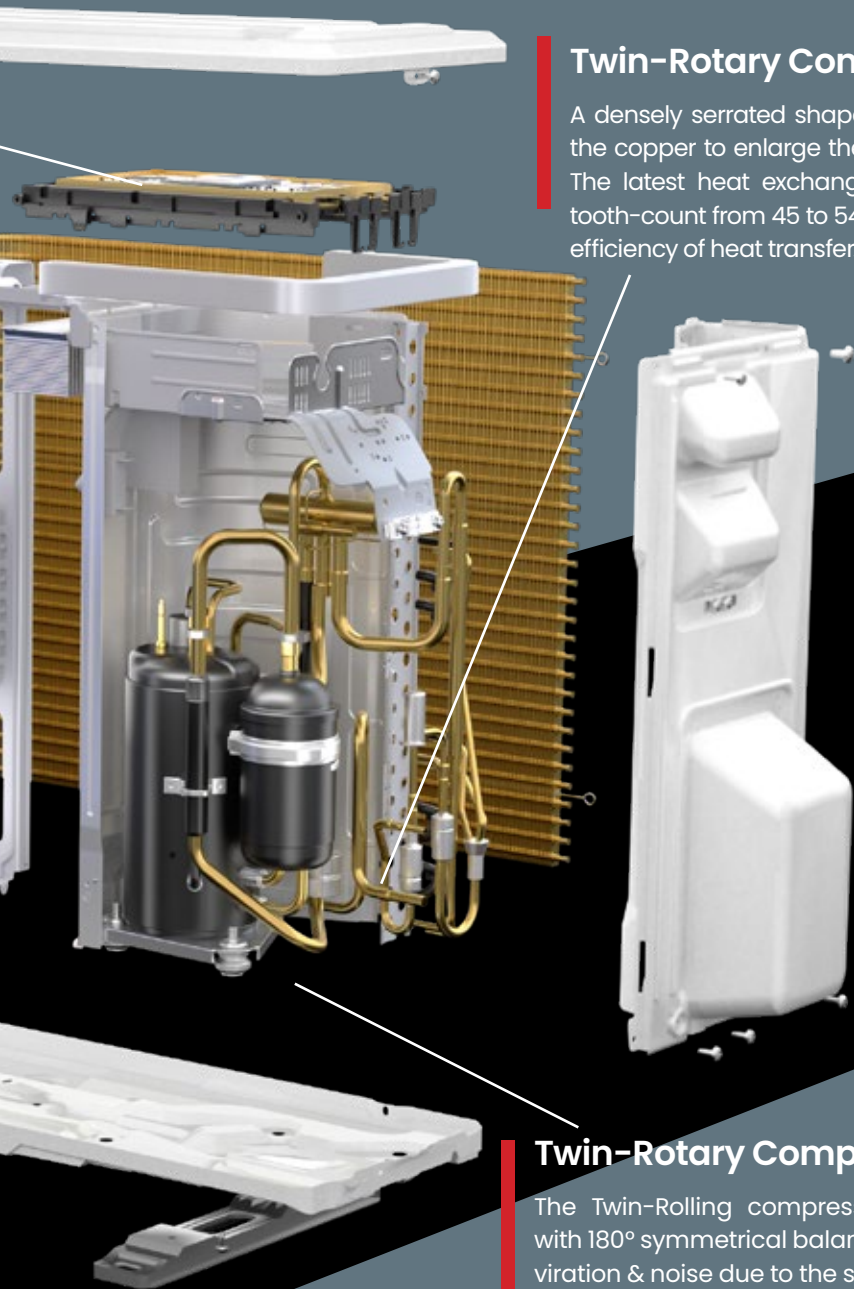
V-PAM Inverter Control

V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology. With this technology, further miniaturization, higher efficiency, and better performance are attained.



Twin-Rotary Compressor

A densely serrated shape has been applied to the copper to enlarge the heat exchange area. The latest heat exchanger has increased the tooth-count from 45 to 54, further improving the efficiency of heat transfer.



Twin-Rotary Compressor

The Twin-Rolling compressor system rotating with 180° symmetrical balance which ensure low vibration & noise due to the small torque.



The Golden Fin technology

The Golden Fin technology is more resistant to water rust, adherent grease, oxidation and other corrosive elements than ordinary blue fins for heat exchanger (one of the core components of the AC indoor unit) to furnish steadier cooling performance in a longer duration.

30%↓



HIGH-EFFICIENCY FAN BLADES AND AIR PASSAGE

Less Energy Consumption Based on bionic principle, Midea's optimized fan blade design can effectively work against airflow resistance and reduce noise. Together with the optimized air passage, it delivers the same airflow volume with 30% less energy.

Y-DESIGN R32

A+++
COOLING
SEER 9.2

A+++
HEATING
SCOP 5.3



3D DC
Inverter



R32 refrigerant



Heating at
-32 °C



Cooling at
-32 °C



100% capacity
on -15 °C



Wi-Fi
control



I feel



Turbo



Auto
operation



Memory
function



Self
diagnosis



Sleep
function



24 Timer



Self-
cleaning



Emergency
Using



12 Speeds



Movement
Detector



Bio
Filter



Dust
Filter



Chasis
Heating Belt



Compressor
Heating Belt



1W
Standby



ECO
Mode



Louver
Position
Memory



Refrigerant
Leakage
Detect



Valve
Cover



Intelligent
Defrosting



3D
Air Flow



Heating
at 8°C



2-Way Draining



Digital
Display



Humidity
Control

Model		ACP-09CH25AEYI R32	ACP-12CH35AEYI R32
Capacity	Cooling	2640 (999~4158) W	3517 (1031~4815) W
	Heating	4102 (753~6999) W	4249 (753~7199) W
Refrigerant		R32	R32
Energy efficiency class	Cooling	A+++	A+++
	Heating	A+++	A+++
Energy efficiency	SEER	9.2	9.0
	SCOP	5.3	5.3
Design load for heating	(P design)	2400 W	2500 W
Input power	Cooling	483 W	750 W
	Heating	834 W	943 W
Airflow		≤565 m³/h	≤590 m³/h
Dehumidifying capacity		1.0 L/h	1.2 L/h
Sound pressure level	Indoor unit	20≤45 dB(A)	21≤45 dB(A)
	Outdoor unit	≤57 dB(A)	≤57 dB(A)
Sound power level	Indoor unit	≤58 dB	≤59 dB
	Outdoor unit	≤59 dB	≤61 dB
Outer Diameter of Liquid Pipe		1/4"	1/4"
Outer Diameter of Gas Pipe		3/8"	3/8"
Connection wire		5x1.5 mm²	5x1.5 mm²
Connection wire IU/OU ~220~240V/1/50Hz		3x1.5 mm²	3x1.5 mm²
Max. length of pipe		25 m	25 m
Max elevation		10 m	10 m
Standard length		5 m	5 m
Additional refrigerant		12 g/m	12 g/m
Wall bracket distance (outdoor)		514 mm	514 mm
Working range		-32°C≤T≤50°C	-32°C≤T≤50°C
Working range at cooling mode		-32°C≤T≤50°C	-32°C≤T≤50°C
Working range at heating mode		-32°C≤T≤30°C	-32°C≤T≤30°C
Net dimensions	Indoor unit	895 x 298 x 248 mm	895 x 298 x 248 mm
	Outdoor unit	800 x 554 x 333 mm	800 x 554 x 333 mm
Net weight	Indoor unit	13 kg	13 kg
	Outdoor unit	36.4 kg	36.4 kg

Heating and cooling down to -32°C



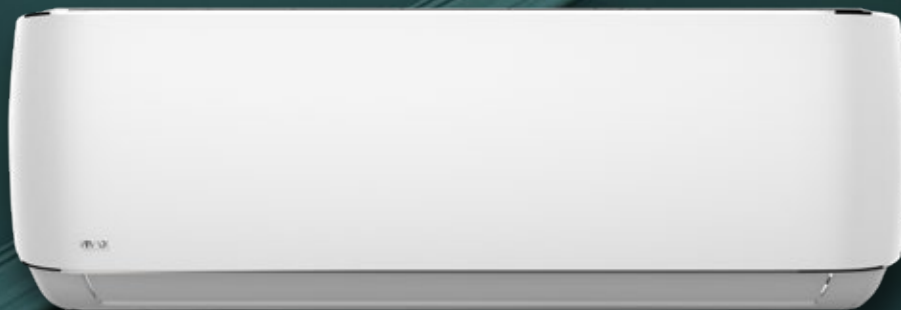
Advanced inverter technology has given this device an opportunity to function efficiently in very extreme weather conditions. You can warm up Your home even if the outside temperature is -32°C, working with 100% of declared capacity on -15°C. Device is also efficiently cooling on low outside temperatures, even down to -32 °C.

Movement detector



The motion sensor tracks your needs to create the atmosphere of your choice with a wireless connection.

E⁺-DESIGN R32



A++
COOLING
SEER 8.1

A++
HEATING
SCOP 4.6



3D DC
Inverter



R32 refrigerant



Heating at
-25 °C



Cooling at
-25 °C



Mute
Operation



Wi-Fi
ready



I feel



Turbo



Auto
operation



Memory
function



Self
diagnosis



Sleep
function



24 Timer



Self-
cleaning



Emergency
Using



12 Speeds



Ionizer



Bio
Filter



Dust
Filter



Chasis
Heating Belt



Compressor
Heating Belt



1W
Standby



ECO
Mode



Louver
Position
Memory



Refrigerant
Leakage
Detect



Valve
Cover



Intelligent
Defrosting



3D
Air Flow



Heating
at 8°C



2-Way Draining



Digital
Display

WALL SPLIT SYSTEM | DC Inverter

Model		ACP-12CH35AEEI+ R32
Capacity	Cooling	3517 (927-4748) W
	Heating	3517 (979-6499) W
Refrigerant		R32
Energy efficiency class	Cooling	A++
	Heating	A++
Energy efficiency	SEER	8.1
	SCOP	4.6
Design load for heating	(P design)	3500 W
Input power	Cooling	977 W
	Heating	1095 W
Airflow		≤611 m³/h
Dehumidifying capacity		1.2 L/h
Sound pressure level	Indoor unit	22≤42 dB(A)
	Outdoor unit	≤55.5 dB(A)
Sound power level	Indoor unit	≤56 dB
	Outdoor unit	≤65 dB
Outer Diameter of Liquid Pipe		1/4"
Outer Diameter of Gas Pipe		3/8"
Connection wire		5 x 1.5 mm²
Connection wire IU/OU -220-240V/1/50Hz		3 x 1.5 mm²
Max. length of pipe		25 m
Max elevation		10 m
Standard length		5 m
Additional refrigerant		12 g/m
Wall bracket distance (outdoor)		514 mm
Working range		-25°C≤T≤43°C
Working range at cooling mode		-25°C≤T≤43°C
Working range at heating mode		-25°C≤T≤30°C
Net dimensions	Indoor unit	802 x 297 x 189 mm
	Outdoor unit	800 x 554 x 333 mm
Net weight	Indoor unit	8.5 kg
	Outdoor unit	34.7 kg

Mute operation



Want to turn off the AC beep and display? By pressing mute operation, VIVAX AC helps you to make a quiet atmosphere and comfortable environment.

Refrigerant R32



Vivax AC comply with international standards for environmental safety and energy efficiency with CE, CB, SAA, and CNEX certifications. AC with refrigerant R32 are 2-9% more energy efficient compared to R410A models.

V-DESIGN R32



A+++
COOLING
SEER 8.5

A++
HEATING
SCOP 4.6



3D DC
Inverter



R32 refrigerant



Heating at
-25 °C



Cooling at
-15 °C



Wi-Fi
ready



I feel



Turbo



Auto
operation



Memory
function



Self
diagnosis



Sleep
function



24 Timer



Self-
cleaning



Emergency
Using



12 Speeds



Refrigerant
Leakage
Detect



Ionizer



Bio
Filter



Dust
Filter



Chasis
Heating Belt



Compressor
Heating Belt



1W
Standby



ECO
Mode



Louver
Position
Memory



Mute
Operation



Valve
Cover



Intelligent
Defrosting



3D
Air Flow



Heating
at 8°C



2-Way Draining



Digital
Display

Model		ACP-12CH35AEVIS R32
		ACP-12CH35AEVIS Gold R32
Capacity	Cooling	3517 (406-4443) W
	Heating	3810 (360-4357) W
Refrigerant		R32
Energy efficiency class	Cooling	A+++
	Heating	A++
Energy efficiency	SEER	8.5
	SCOP	4.6
Design load for heating	(P design h)	3500 W
Input power	Cooling	1034 W
	Heating	1027 W
Airflow		≤558 m³/h
Dehumidifying capacity		1.2 L/h
Sound pressure level	Indoor unit	24≤37.5 dB(A)
	Outdoor unit	≤54 dB(A)
Sound power level	Indoor unit	≤51 dB
	Outdoor unit	≤60 dB
Outer Diameter of Liquid Pipe		1/4"
Outer Diameter of Gas Pipe		3/8"
Connection wire		5x1.5 mm²
Connection wire IU/OU ~220-240V/1/50Hz		3x1.5 mm²
Max. length of pipe		25 m
Max elevation		10 m
Standard length		5 m
Additional refrigerant		12 g/m
Wall bracket distance (outdoor)		487 mm
Working range		-25°C≤T≤50°C
Working range at cooling mode		-15°C≤T≤50°C
Working range at heating mode		-25°C≤T≤30°C
Net dimensions	Indoor unit	897 x 312 x 182 mm
	Outdoor unit	765 x 303 x 555 mm
Net weight	Indoor unit	10.5 kg
	Outdoor unit	26.7 kg

V-DESIGN: unique and superior AC



In addition to the attractive mirror design, different LED backlight is glowing depending on the mode the AC is in. Light turns blue in cooling mode and red in heating mode.

Self cleaning



After the air conditioning is turned off, the indoor unit continues to operate to dry and clean the remaining condensate protecting your health.

W-DESIGN R32



A+++
COOLING
SEER 8.5

A++
HEATING
SCOP 4.6



3D DC
Inverter



R32 refrigerant



Heating at
-15 °C



Cooling at
-10 °C



Wi-Fi
control



Turbo



Auto
operation



Memory
function



Self
diagnosis



Sleep
function



24 Timer



Self-
cleaning



Emergency
Using



5 Speeds



Refrigerant
Leakage
Detect



Intelligent
Air



Nano Aqua
Ionizer



Bio
Filter



Dust
Filter



Chasis
Heating Belt



Compressor
Heating Belt



1W
Standby



ECO
Mode



Louver
Position
Memory



Mute
Operation



Valve
Cover



Intelligent
Defrosting



3D
Air Flow



Long Distance
Airflow to 20m



2-Way
Draining



Digital
Display



Blue fin

Model		ACP-12CH35REWI	ACP-18CH50REWI
Capacity	Cooling	3500 (999~4443) W	5000 (1298~5800) W
	Heating	4200 (999~5199) W	5199 (1398~5999) W
Refrigerant		R32	R32
Energy efficiency class	Cooling	A+++	A++
	Heating	A++	A+
Energy efficiency	SEER	8.5	6.1
	SCOP	4.6	4.0
Design load for heating		(P design h)	
Input power	Cooling	875 W	1460 W
	Heating	1100 W	1400 W
Airflow		≤650 m³/h	≤900 m³/h
Dehumidifying capacity		1.6 L/h	2.0 L/h
Sound pressure level	Indoor unit	22≤38 dB(A)	30≤44 dB(A)
	Outdoor unit	≤48 dB(A)	≤53 dB(A)
Sound power level	Indoor unit	≤58 dB	≤59 dB
	Outdoor unit	≤62 dB	≤65 dB
Outer Diameter of Liquid Pipe		1/4"	1/4"
Outer Diameter of Gas Pipe		3/8"	1/2"
Connection wire		5x1.5 mm²	5x1.5 mm²
Connection wire IU/OU ~220-240V/1/50Hz		3x1.5 mm²	3x1.5 mm²
Max. length of pipe		15 m	25 m
Max elevation		10 m	15 m
Standard length		7 m	7 m
Additional refrigerant		20 g/m	20 g/m
Wall bracket distance (outdoor)		510 mm	510 mm
Working range		-15°C≤T≤43°C	-15°C≤T≤43°C
Working range at cooling mode		-10°C≤T≤43°C	-10°C≤T≤43°C
Working range at heating mode		-15°C≤T≤24°C	-15°C≤T≤24°C
Net dimensions	Indoor unit	887 x 281 x 211 mm	1030 x 322 x 233 mm
	Outdoor unit	800 x 553 x 275 mm	800 x 553 x 275 mm
Net weight	Indoor unit	10 kg	13 kg
	Outdoor unit	31.5 kg	32.7 kg

Double Horizontal Flaps Airflow



With two horizontal flaps and two step motors, they can realize more positions (4 positions for cooling and 5 positions for heating) and two intelligent angle to get more comfort airflow.

3D Airflow



The air outlet automatically moves horizontally and vertically, directing the airflow to fill every corner of the room.

R-DESIGN R32



A++
COOLING
SEER 7.1

A+
HEATING
SCOP 4.0



3D DC
Inverter



R32 refrigerant



Heating at
-20 °C



Cooling at
-15 °C



Wi-Fi
ready



I feel



Turbo



Auto
operation



Memory
function



Self
diagnosis



Sleep
function



24 Timer



Self-
cleaning



Emergency
Using



12 Speeds



Ionizer



Bio
Filter



Dust
Filter



Chasis
Heating Belt



Compressor
Heating Belt



1 W
Standby



ECO
Mode



Louver
Position
Memory



Mute
Operation



Valve
Cover



Intelligent
Defrosting



Mono
& Multi



2-Way Draining



Digital
Display

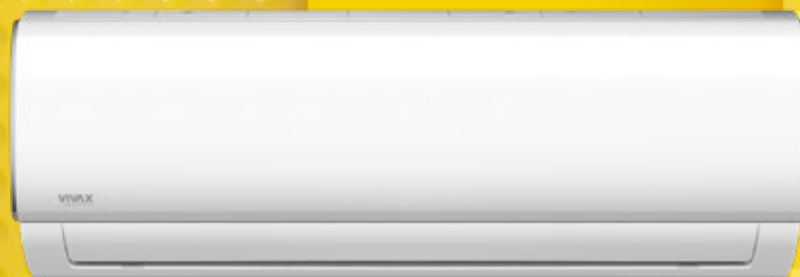


Refrigerant
Leakage
Detect

WALL SPLIT SYSTEM | DC Inverter

Model		ACP-09CH25AERI R32 Gold White Silver	ACP-12CH35AERI R32 Red Gold Gray Mirror White Silver	ACP-18CH50AERI R32 Gray Mirror White	ACP-24CH70AERI R32 White
Capacity	Cooling	2640(1026~3195) W	3520(820~4162) W	5280(1846~6154) W	7327(2579~8440) W
	Heating	2931(880~3663) W	3810(850~4777) W	5568(1377~6800) W	7620(1524~9437) W
Refrigerant		R32	R32	R32	R32
Energy efficiency class	Cooling	A++	A++	A++	A++
	Heating	A+	A+	A+	A+
Energy efficiency	SEER	7.1	7.0	6.4	6.4
	SCOP	4.0	4.1	4.0	4.0
Design load for heating	(P design h)	2600 W	2700 W	3900 W	5100 W
Input power	Cooling	703 W	1089 W	1547 W	2402 W
	Heating	731 W	1050 W	1500 W	2177 W
Airflow		≤416 m³/h	≤515 m³/h	≤750 m³/h	≤1020 m³/h
Dehumidifying capacity		1.0 L/h	1.2 L/h	1.8 L/h	2.4 L/h
Sound pressure level	Indoor unit	20≤39 dB(A)	21≤38 dB(A)	20≤41 dB(A)	26≤46 dB(A)
	Outdoor unit	≤55.5 dB(A)	≤56 dB(A)	≤57 dB(A)	≤62 dB(A)
Sound power level	Indoor unit	≤54 dB	≤56 dB	≤58 dB	≤62 dB
	Outdoor unit	≤59 dB	≤60 dB	≤64 dB	≤66 dB
Outer Diameter of Liquid Pipe		1/4"	1/4"	1/4"	3/8"
Outer Diameter of Gas Pipe		3/8"	3/8"	1/2"	5/8"
Connection wire		5x1.5 mm²	5x1.5 mm²	5x1.5 mm²	5x2.5 mm²
Power supply UJ/VJ ~220-240V/1/50Hz		3x1.5 mm²	3x1.5 mm²	3x1.5 mm²	3x2.5 mm²
Max. length of pipe		25 m	25 m	30 m	50 m
Max elevation		10 m	10 m	20 m	25 m
Standard length		5 m	5 m	5 m	5 m
Additional refrigerant		12 g/m	12 g/m	12 g/m	24 g/m
Wall bracket distance (outdoor)		487 mm	487 mm	514 mm	540 mm
Working range		-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C
Working range at cooling mode		-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C
Working range at heating mode		-20°C≤T≤30°C	-20°C≤T≤30°C	-20°C≤T≤30°C	-20°C≤T≤30°C
Net dimensions	Indoor unit	722 x 187 x 290 mm	802 x 189 x 297 mm	965 x 215 x 319 mm	1080 x 226 x 335 mm
	Outdoor unit	770 x 300 x 555 mm	770 x 300 x 555 mm	800 x 333 x 554 mm	845 x 363 x 702 mm
Net weight	Indoor unit	7.3 kg	8.2 kg	10.8 kg	12.9 kg
	Outdoor unit	27.2kg	27 kg	37 kg	50 kg

M-DESIGN R32



A++
COOLING
SEER 6.3

A+
HEATING
SCOP 4.0



3D DC
Inverter



R32 refrigerant



Heating at
-15 °C



Wi-Fi
ready



I feel



Turbo



Auto
operation



Memory
function



Self
diagnosis



Sleep
function



24 Timer



Emergency
Using



Bio
Filter



Dust
Filter



1 W
Standby



Louver
Position
Memory



Mute
Operation



Valve
Cover



Intelligent
Defrosting



2-Way
Draining



Digital
Display



Refrigerant
Leakage
Detect



Heating
at 8°C

WALL SPLIT SYSTEM | DC Inverter

Model		ACP-09CH25AEMIS R32	ACP-12CH35AEMIS R32	ACP-18CH50AEMI R32	ACP-24CH70AEMI R32
Capacity	Cooling	2638(909~3400) W	3517(1114~4162) W	5280 (1820~6130) W	7030 (2080~7948) W
	Heating	2930 (820~3370) W	3810 (1084~4220) W	5570 (1380~6740) W	7330 (1610~8790) W
Refrigerant		R32	R32	R32	R32
Energy efficiency class	Cooling	A++	A++	A++	A++
	Heating	A+	A+	A+	A+
Energy efficiency	SEER	6.3	6.1	7.1	6.1
	SCOP	4.0	4.0	4.0	4.0
Design load for heating	(P design h)	2600 W	2700 W	4100 W	4800 W
Input power	Cooling	732 W	1213 W	1539 W	2345 W
	Heating	733 W	1088 W	1480 W	2035 W
Airflow		≤466 m³/h	≤540 m³/h	≤840 m³/h	≤980 m³/h
Dehumidifying capacity		1.0 L/h	1.2 L/h	1.8 L/h	2.4 L/h
Sound pressure level	Indoor unit	25≤38.5 dB(A)	25≤40.5 dB(A)	26.5≤42 dB(A)	34.5≤44.5 dB(A)
	Outdoor unit	≤55.5 dB(A)	≤56 dB(A)	≤56 dB(A)	≤59.5 dB(A)
Sound power level	Indoor unit	≤54 dB	≤55 dB	≤55 dB	≤59 dB
	Outdoor unit	≤62 dB	≤63 dB	≤61 dB	≤67 dB
Outer Diameter of Liquid Pipe		1/4"	1/4"	1/4"	3/8"
Outer Diameter of Gas Pipe		3/8"	3/8"	1/2"	5/8"
Connection wire		5x1.5 mm²	5x1.5 mm²	5x1.5 mm²	5x2.5 mm²
Connection wire IU/OU ~220-240V/1/50Hz		3x1.5 mm²	3x1.5 mm²	3x1.5 mm²	3x2.5 mm²
Max. length of pipe		25 m	25 m	30 m	50 m
Max elevation		10 m	10 m	20 m	25 m
Standard length		5 m	5 m	5 m	5 m
Additional refrigerant		12 g/m	12 g/m	12 g/m	24 g/m
Wall bracket distance (outdoor)		450 mm	450 mm	514 mm	540 mm
Working range		-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C
Working range at cooling mode		-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C
Working range at heating mode		-15°C≤T≤30°C	-15°C≤T≤30°C	-15°C≤T≤30°C	-15°C≤T≤30°C
Net dimensions	Indoor unit	805 x 194 x 285 mm	805 x 194 x 285 mm	957 x 213 x 302 mm	1040 x 220 x 327 mm
	Outdoor unit	720 x 270 x 495 mm	720 x 270 x 495 mm	800 x 333 x 554 mm	845 x 363 x 702 mm
Net weight	Indoor unit	7.6 kg	7.6 kg	10 kg	12.3 kg
	Outdoor unit	23.2 kg	23.2 kg	34 kg	51.5 kg

Q-DESIGN R32



A++
COOLING
SEER 6.3

A+
HEATING
SCOP 4.0



3D DC
Inverter



R32 refrigerant



Heating at
-15 °C



Turbo



Auto
operation



Memory
function



Self
diagnosis



Sleep
function



24 Timer



Self-
cleaning



Emergency
Using



Catalist
Filter



1W
Standby



ECO
Mode



Louver
Position
Memory



Mute
Operation



Valve
Cover



Intelligent
Defrosting



2-Way Draining



Digital
Display



12 Speeds



Refrigerant
Leakage
Detect

WALL SPLIT SYSTEM | DC Inverter

Model		ACP-09CH25AEQIS R32	ACP-12CH35AEQIS R32	ACP-18CH50AEQI R32	ACP-24CH70AEQI R32
Capacity	Cooling	2638(909~3400) W	3517(1114~4162) W	5280 (1820~6130) W	7030 (2080~7948) W
	Heating	2930 (820~3370) W	3810 (1084~4220) W	5570 (1380~6740) W	7330 (1610~8790) W
Refrigerant		R32	R32	R32	R32
Energy efficiency class	Cooling	A++	A++	A++	A++
	Heating	A+	A+	A+	A+
Energy efficiency	SEER	6.3	6.1	7.1	6.1
	SCOP	4.0	4.0	4.0	4.0
Design load for heating	(P design h)	2600 W	2700 W	4100 W	4800 W
Input power	Cooling	732 W	1213 W	1539 W	2345 W
	Heating	733 W	1088 W	1480 W	2035 W
Airflow		≤520 m³/h	≤600 m³/h	≤840 m³/h	≤980 m³/h
Dehumidifying capacity		1.0 L/h	1.2 L/h	1.8 L/h	2.4 L/h
Sound pressure level	Indoor unit	25≤38.5 dB(A)	25≤40.5 dB(A)	26.5≤42 dB(A)	34.5≤44.5 dB(A)
	Outdoor unit	≤55.5 dB(A)	≤56 dB(A)	≤56 dB(A)	≤59.5 dB(A)
Sound power level	Indoor unit	≤54 dB	≤55 dB	≤55 dB	≤59 dB
	Outdoor unit	≤62 dB	≤63 dB	≤61 dB	≤67 dB
Outer Diameter of Liquid Pipe		1/4"	1/4"	1/4"	3/8"
Outer Diameter of Gas Pipe		3/8"	3/8"	1/2"	5/8"
Connection wire		5x1.5 mm²	5x1.5 mm²	5x1.5 mm²	5x2.5 mm²
Connection wire IU/OU ~220-240V/1/50Hz		3x1.5 mm²	3x1.5 mm²	3x1.5 mm²	3x2.5 mm²
Max. length of pipe		25 m	25 m	30 m	50 m
Max elevation		10 m	10 m	20 m	25 m
Standard length		5 m	5 m	5 m	5 m
Additional refrigerant		12 g/m	12 g/m	12 g/m	24 g/m
Wall bracket distance (outdoor)		451 mm	451 mm	514 mm	540 mm
Working range		-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C
Working range at cooling mode		-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C
Working range at heating mode		-15°C≤T≤30°C	-15°C≤T≤30°C	-15°C≤T≤30°C	-15°C≤T≤30°C
Net dimensions	Indoor unit	805 x 194 x 285 mm	805 x 194 x 285 mm	957 x 213 x 302 mm	1040 x 220 x 327 mm
	Outdoor unit	720 x 270 x 495 mm	720 x 270 x 495 mm	800 x 333 x 554 mm	845 x 363 x 702 mm
Net weight	Indoor unit	7.6 kg	7.6 kg	10 kg	12.3 kg
	Outdoor unit	23.2 kg	23.2 kg	34 kg	51.5 kg

I-DESIGN R32



A++
COOLING
SEER 6.1

A+
HEATING
SCOP 4.0



R32 refrigerant



Heating at
-15 °C



Cooling at
-10 °C



Wi-Fi
ready



Turbo



Auto
operation



Memory
function



Self
diagnosis



Sleep
function



Self-
cleaning



Emergency
Using



Blue fin



Bio
Filter



Dust
Filter



1 W
Standby



ECO
Mode



Louver
Position
Memory



Mute
Operation



Valve
Cover



Intelligent
Defrosting



5 Speeds



Digital
Display



Refrigerant
Leakage
Detect

Model		ACP-12CH35REII R32
Capacity	Cooling	3200 (800~3600) W
	Heating	3400 (800~4200) W
Refrigerant		R32
Energy efficiency class	Cooling	A++
	Heating	A+
Energy efficiency	SEER	6.1
	SCOP	4.0
Design load for heating	(P design h)	2800 W
Input power	Cooling	1060 W
	Heating	1000 W
Airflow		≤550 m³/h
Dehumidifying capacity		1.4 L/h
Sound pressure level	Indoor unit	20≤38 dB(A)
	Outdoor unit	≤50 dB(A)
Sound power level	Indoor unit	≤56 dB
	Outdoor unit	≤63 dB
Outer Diameter of Liquid Pipe		1/4"
Outer Diameter of Gas Pipe		3/8"
Connection wire		5 x 1.5 mm²
Connection wire IU/OU ~220-240V/1/50Hz		3 x 1.5 mm²
Max. length of pipe		20 m
Max elevation		10 m
Standard length		5 m
Additional refrigerant		20 g/m
Wall bracket distance (outdoor)		440 mm
Working range		-15°C≤T≤43°C
Working range at cooling mode		-10°C≤T≤43°C
Working range at heating mode		-15°C≤T≤24°C
Net dimensions	Indoor unit	820 x 195 x 280 mm
	Outdoor unit	700 x 245 x 544 mm
Net weight	Indoor unit	8.2 kg
	Outdoor unit	23.5 kg

Wi-Fi Ready



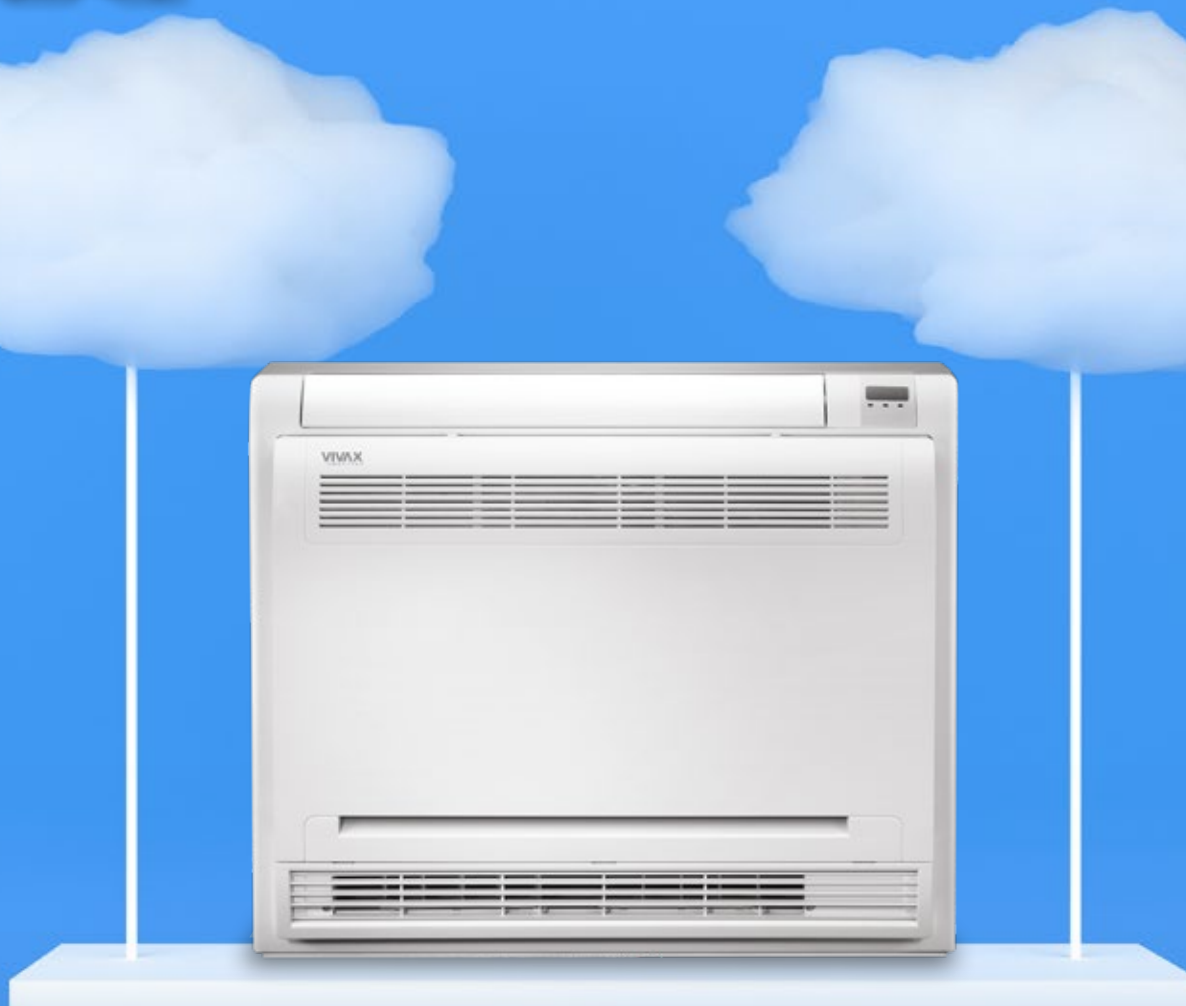
The I-design series allows you to control air conditioner wherever you are, with the addition of Wi-Fi module. V-Smart does not only focus on management, but delivers a complete solution with a view to the everyday needs of the average consumer

Whispering air



Quiet operation is equally important to have the inner peace of mind. Just enjoy both of them with Vivax whispering air quiet to 20 dB(A).

CT AERI



A++
COOLING
SEER 6.1

A+
HEATING
SCOP 4.0



3D DC
Inverter



R32 refrigerant



Heating at
-20 °C



Cooling at
-15 °C



Memory
function



Self
diagnosis



Sleep
function



24 Timer



Wi-Fi ready



Dust
Filter



Chasis
Heating Belt



Compressor
Heating Belt



1 W
Standby



Self-
cleaning



Louver
Position
Memory



Valve
Cover



Refrigerant
Leakage
Detect

CONSOLE SPLIT SYSTEM | DC Inverter

Model		ACP-12CT35AERI R32	ACP-18CT50AERI
Capacity	Cooling	3520 (770~3810) W	4800(730~5570) W
	Heating	3810 (460~4340) W	5000(820~6300) W
Refrigerant		R32	
Energy efficiency class	Cooling	A++	
	Heating	A+	
Energy efficiency	SEER	7.0	6.1
	SCOP	4.0	4.0
Design load for heating	(P design h)	3.2	4.2
Input power	Cooling	1168 W	1630 W
	Heating	1100 W	1700 W
Airflow		≤512 m³/h	≤590 m³/h
Dehumidifying capacity		1.2 L/h	
Sound pressure level	Indoor unit	35±43 dB(A)	35±48 dB(A)
	Outdoor unit	≤55.5 dB(A)	≤55 dB(A)
Sound power level	Indoor unit	≤58 dB	
	Outdoor unit	≤63 dB	
Outer Diameter of Liquid Pipe		1/4"	1/4"
Outer Diameter of Gas Pipe		3/8"	1/2"
Connection wire	Power supply outdoor unit	3*2.5 mm²	3*2.5 mm²
	Power supply unutarnja jedinica	3*1.0 mm²	3*1.0 mm²
	Connection	2*0.2 mm²	2*0.2 mm²
Power supply		~220-240V/1/50Hz; Indoor unit	
Max. length of pipe		25 m	30 m
Max elevation		10 m	20 m
Standard length		5 m	5 m
Additional refrigerant		12 g/m	12 g/m
Wall bracket distance (outdoor)		514 mm	
Working range		-20°C≤T≤50°C	
Working range at cooling mode		17°C≤T≤32°C	
Working range at heating mode		-20°C≤T≤30°C	
Net dimensions	Indoor unit	700 x 600 x 210 mm	
	Outdoor unit	800 x 333 x 554 mm	
Net weight	Indoor unit	14.8 kg	
	Outdoor unit	34.7 kg	

Air flow



Floor split systems have air exhaust on two sides for even more efficient heating and cooling.

CF AERI



A++
COOLING
SEER 6.1

A+
HEATING
SCOP 4.0



3D DC
Inverter



R32 refrigerant



Heating at
-20 °C



Cooling at
-15 °C



Memory
function



Valve
Cover



Sleep
function



24 Timer



3D
Air Flow



Dust
Filter



1 W
Standby



Auto
operation



Self-
cleaning



Refrigerant
Leakage
Detect



Louver
Position
Memory



Wired
Controller



Wi-Fi ready

FLOOR & CEILING SPLIT SYSTEM | DC Inverter

Model		ACP-18CF50AERI R32	ACP-24CF70AERI R32	ACP-36CF105AERI R32	ACP-48CF140AERI R32	ACP-55CF160AERI R32
Capacity	Cooling	5280 (1290~6150) W	7030 (2430~8210) W	10550 (2640~12020) W	14200 (4960~15110) W	16000 (5280~17000) W
	Heating	5570 (1760~7030) W	7620 (2430~8650) W	11140 (2930~13190) W	16100 (3810~18070) W	18200 (4400~19640) W
Refrigerant		R32	R32	R32	R32	R32
Klasa energ. učinkovitosti	Cooling	A++	A++	A++	A++	A++
	Heating	A+	A+	A+	A+	A+
Energy efficiency	SEER	6.1	6.1	6.1	6.1	6.1
	SCOP	4.0	4.0	4.0	4.0	4.0
Design load for heating	(P design h)	4700 W	5400 W	8700 W	11100 W	11900 W
Input power	Cooling	1640 W	2190 W	3750 W	5500 W	6063 W
	Heating	1500 W	2050 W	2960 W	5050 W	6036 W
Airflow		≤902m³/h	≤1208 m³/h	≤2160 m³/h	≤2329m³/h	≤2454m³/h
Dehumidifying capacity		1.8 L/h	2.4 L/h	3.6 L/h	4.8 L/h	5.5 L/h
Sound pressure level	Indoor unit	37≤45 dB(A)	41≤50 dB(A)	42≤51 dB(A)	46≤54 dB(A)	42≤54 dB(A)
	Outdoor unit	≤57 dB(A)	≤62 dB(A)	≤65 dB(A)	≤66 dB(A)	≤66 dB(A)
Sound power level	Indoor unit	≤56 dB	≤61 dB	≤61 dB	≤66 dB	≤68 dB
	Outdoor unit	≤65 dB	≤66 dB	≤68 dB	≤72 dB	≤74 dB
Outer Diameter of Liquid Pipe		1/4"	3/8"	3/8"	3/8"	3/8"
Outer Diameter of Gas Pipe		1/2"	5/8"	5/8"	5/8"	5/8"
Connection wire	Power supply OU	3*2.5 mm²	3*2.5 mm²	3*2.5 mm²	5*2.5 mm²	5*2.5 mm²
	Power supply IU	3*1.0 mm²	3*1.0 mm²	3*1.0 mm²	3*1.0 mm²	3*1.0 mm²
	Connection	2*0.2 mm²	2*0.2 mm²	2*0.2 mm²	2*0.2 mm²	2*0.2 mm²
Power supply		~220-240V/1/50Hz; indoor and outdoor unit			~220-240V/1/50Hz; unutarnja jedinica ~380~415V; 50Hz;3ph; outdoor unit	
Max. length of pipe		30 m	50 m	65 m	65 m	65 m
Max elevation		20 m	25 m	30 m	30 m	30 m
Standard length		5 m	5 m	5 m	5 m	5 m
Additional refrigerant		12 g/m	24 g/m	24 g/m	24 g/m	24 g/m
Wall bracket distance (outdoor)		514 mm	540 mm	673 mm	673 mm	673 mm
Working range		-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C
Working range at cooling mode		-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C
Working range at heating mode		-20°C≤T≤24°C	-20°C≤T≤24°C	-20°C≤T≤24°C	-20°C≤T≤24°C	-20°C≤T≤24°C
Net dimensions	Indoor unit	1068 x 675 x 235 mm	1068 x 675 x 235 mm	1650 x 675 x 235 mm	1650 x 675 x 235 mm	1650 x 675 x 235 mm
	Outdoor unit	800 x 333 x 554 mm	845 x 363 x 702 mm	946 x 410 x 810 mm	952 x 415 x 1333 mm	952 x 415 x 1333 mm
Net weight	Indoor unit	26.6 kg	26.8 kg	39 kg	41.2 kg	41.4 kg
	Outdoor unit	35.6 kg	66.8 kg	66.8 kg	106.7 kg	111.3 kg

Turbo

AC will maximize the output of cooling or heating capacity, make the room cool down or heat up rapidly, and attain desired temperature within shortest time.



CC AERI



A++
COOLING
SEER 6.1

A+
HEATING
SCOP 4.0



3D DC
Inverter



R32 refrigerant



Heating at
-20 °C



Cooling at
-15 °C



Memory
function



12 Speeds
strujania



Sleep
function



24 Timer



Built-in
Drain Pump



Wi-Fi ready



Dust
Filter



Chasis
Heating Belt



Compressor
Heating Belt



1 W
Standby



Self-
cleaning



Louver
Position
Memory



Valve
Cover



Refrigerant
Leakage
Detect



Wired
Controller



Panel 360°
przepływu
powietrza

CASSETTE SPLIT SYSTEM | DC Inverter

Model		ACP-12CC35AERI R32	ACP-18CC50AERI R32	ACP-24CC70AERI R32	ACP-36CC105AERI R32	ACP-48CC140AERI R32	ACP-55CC160AERI R32
Capacity	Cooling	3520 (1520~5280) W	5280 (2900~5740) W	7030 (3220~8210) W	10550 (4040~12020) W	14000 (4760~14580) W	15530 (5280~16710) W
	Heating	4400 (1030~5570) W	5420 (2370~6100) W	7620 (2430~8650) W	11140 (2940~13480) W	16100 (3930~16770) W	18200 (4400~19340) W
Refrigerant		R32	R32	R32	R32	R32	R32
Energy efficiency class	Cooling	A++	A++	A++	A++	A++	A++
	Heating	A++	A+	A+	A+	A+	A+
Energy efficiency	SEER	7.8	6.1	6.1	6.1	6.1	6.1
	SCOP	4.6	4.0	4.0	4.0	4.0	4.0
Design load for heating	(P design h)	3100 W	4200 W	5400 W	8800 W	11200 W	11900 W
Input power	Cooling	850 W	1633 W	2190 W	3750 W	5130 W	5951 W
	Heating	1100 W	1460 W	2050 W	2993 W	5050 W	6036 W
Airflow		≤617 m³/h	≤720 m³/h	≤1378 m³/h	≤1775 m³/h	≤1715 m³/h	≤1970 m³/h
Dehumidifying capacity		1.2 L/h	1.8 L/h	2.4 L/h	3.6 L/h	4.8 L/h	5.5 L/h
Sound pressure level	Indoor unit	33≤41 dB(A)	35.5≤42.5 dB(A)	40≤47 dB(A)	21≤42.5 dB(A)	49≤52 dB(A)	48≤53, dB(A)
	Outdoor unit	≤55.5 dB(A)	≤55 dB(A)	≤62 dB(A)	≤65 dB(A)	≤66 dB(A)	≤66 dB(A)
Sound power level	Indoor unit	≤51 dB	≤56 dB	≤59 dB	≤61 dB	≤65 dB	≤65 dB
	Outdoor unit	≤63 dB	≤63 dB	≤66 dB	≤67 dB	≤72 dB	≤74 dB
Outer Diameter of Liquid Pipe		1/4"	1/4"	3/8"	3/8"	3/8"	3/8"
Outer Diameter of Gas Pipe		3/8"	1/2"	5/8"	5/8"	5/8"	5/8"
Connection wire	Power supply OU	4*1.5 mm² (option)	3*2.5 mm²	3*2.5 mm²	3*2.5 mm²	5*2.5 mm²	5*2.5 mm²
	Power supply IU	3*1.0 mm²	3*1.0 mm²	3*1.0 mm²	3*1.0 mm²	3*1.0 mm²	3*1.0 mm²
	Connection	-	2*0.2 mm²	2*0.2 mm²	2*0.2 mm²	2*0.2 mm²	2*0.2 mm²
Power supply		~220-240V/1/50Hz; indoor and outdoor unit				~220-240V/1/50Hz; IU ~380-415 V; 50Hz; 3ph; OU	
Max. length of pipe		25 m	30 m	50 m	65 m	65 m	65 m
Max elevation		10 m	20 m	25 m	30 m	30 m	30 m
Standard length		5 m	5 m	5 m	5 m	5 m	5 m
Additional refrigerant		12 g/m	12 g/m	24 g/m	24 g/m	24 g/m	24 g/m
Wall bracket distance (outdoor)		514 mm	514 mm	540 mm	673 mm	673 mm	673 mm
Working range		-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C
Working range at cooling mode		-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C
Working range at heating mode		-20°C≤T≤24°C	-20°C≤T≤24°C	-20°C≤T≤24°C	-20°C≤T≤24°C	-20°C≤T≤24°C	-20°C≤T≤24°C
Net dimensions	Indoor unit	570 x 570 x 260 mm	570 x 570 x 260 mm	840 x 840 x 245 mm	840 x 840 x 245 mm	840 x 840 x 287 mm	840 x 840 x 287 mm
	Panel	647 x 647 x 50 mm	647 x 647 x 50 mm	950 x 950 x 55 mm	950 x 950 x 55 mm	950 x 950 x 55 mm	950 x 950 x 55 mm
	Outdoor unit	800 x 333 x 554 mm	800 x 333 x 554 mm	845 x 363 x 702 mm	946 x 410 x 810 mm	952 x 415 x 1333 mm	952 x 415 x 1333 mm
Net weight	Indoor unit	16.2 kg	16.2 kg	24.1 kg	27.5 kg	29 kg	29.7 kg
	Panel	2.5 kg	2.5 kg	5 kg	5 kg	5 kg	5 kg
	Outdoor unit	34.7 kg	35.6 kg	49.4 kg	66.8 kg	107 kg	111.3 kg

360 degrees

Ceiling exhaust with 360 degrees in 4 directions.



DT AERI

A++
COOLING
SEER 6.1

A+
HEATING
SCOP 4.0



3D DC
Inverter



R32 refrigerant



Heating at
-20 °C



Cooling at
-15 °C



Memory
function



12 Speeds
strujanja



Sleep
function



24 Timer



Built-in
Drain Pump



Wi-Fi ready



Dust
Filter



Chasis
Heating Belt



Compressor
Heating Belt



1 W
Standby



Self-
cleaning



Louver
Position
Memory



Valve
Cover



Refrigerant
Leakage
Detect



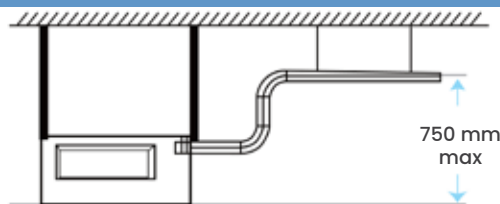
Wired
Controller

DUCT TYPE SPLIT SYSTEM | DC Inverter

Model		ACP-12DT35AERI R32	ACP-18DT50AERI R32	ACP-24DT70AERI R32	ACP-36DT105AERI R32	ACP-48DT140AERI R32	ACP-55DT160AERI R32
Capacity	Cooling	3520 (1490-4750) W	5280 (2550-5690) W	7030 (3280-8160) W	10550 (2930-12020) W	14000 (4260-15200) W	15400 (5860-17290) W
	Heating	4100 (970-5630) W	5860 (2200-6150) W	7620 (2720-8720) W	11130 (2640-13190) W	16100 (3700-18030) W	18200 (4690-20520) W
Refrigerant		R32	R32	R32	R32	R32	R32
Klasa energ. učinkovitosti	Cooling	A++	A++	A++	A++	A++	A++
	Heating	A+	A+	A+	A+	A+	A+
Energy efficiency	SEER	6.5	6.1	6.1	6.1	6.1	6.1
	SCOP	4.0	4.0	4.0	4.0	4.0	4.0
Design load for heating	(P design h)	3.2	4.3	5.4	8.4	11.9	12.5
Input power	Cooling	950 (350-1620) W	1633 (710-1900) W	2190 (480-2850)W	4000 (902-4900)W	5150 (1170-5699)W	5423 (1274-6651)W
	Heating	1100 (350-2050) W	1580 (740-1760) W	2050 (500-2880)W	3100 (800-4640) W	4280 (948-5824) W	5329 (1042-6034)W
Airflow		≤600 m³/h	≤880 m³/h	≤1248 m³/h	≤1400 m³/h	≤2400m³/h	≤2600m³/h
Dehumidifying capacity		1.2 L/h	1.8 L/h	2.4 L/h	3.6 L/h	4.8 L/h	5.5 L/h
Sound pressure level	Indoor unit	26≤35 dB (A)	33≤41 dB (A)	38≤42 dB (A)	40≤47 dB (A)	48≤51 dB (A)	51≤54 dB (A)
	Outdoor unit	≤55.5 dB (A)	≤55 dB (A)	≤62 dB (A)	≤65 dB (A)	≤66 dB (A)	≤66 dB (A)
Sound power level	Indoor unit	≤56 dB	≤59 dB	≤62 dB	≤63 dB	≤68 dB	≤71 dB
	Outdoor unit	≤63dB	≤63 dB	≤65 dB	≤67 dB	≤72 dB	≤74 dB
Outer Diameter of Liquid Pipe		1/4"	1/4"	3/8"	3/8"	3/8"	3/8"
Outer Diameter of Gas Pipe		3/8"	1/2"	5/8"	5/8"	5/8"	5/8"
Connection wire	Power supply OU	3*2.5 mm²	3*2.5 mm²	3*2.5 mm²	3*2.5 mm²	5*2.5 mm²	5*2.5 mm²
	Power supply IU	3*1.0 mm²	3*1.0 mm²	3*1.0 mm²	3*1.0 mm²	3*1.0 mm²	3*1.0 mm²
	Connection	2*0.2 mm²	2*0.2 mm²	2*0.2 mm²	2*0.2 mm²	2*0.2 mm²	2*0.2 mm²
Power supply		~220-240V/1/50Hz; indoor and outdoor unit				~220-240V/1/50Hz;IU ~380~415V; 50Hz;3ph; OU	
Max. length of pipe		25 m	30m	50 m	65 m	65 m	65 m
Max elevation		10 m	20m	25 m	30 m	30 m	30 m
Standard length		5 m	5m	5 m	5 m	5 m	5 m
Additional refrigerant		12 g/m	12 g/m	24 g/m	24 g/m	24 g/m	24 g/m
Wall bracket distance (outdoor)		514 mm	514 mm	540 mm	673 mm	634 mm	634 mm
Working range		-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C
Working range at cooling mode		-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C
Working range at heating mode		-20°C≤T≤30°C	-20°C≤T≤30°C	-20°C≤T≤30°C	-20°C≤T≤30°C	-20°C≤T≤30°C	-20°C≤T≤30°C
Net dimensions	Indoor unit	700 x 450 x 200 mm	880 x 674 x 210 mm	1100 x 774 x 249 mm	1360 x 774 x 249 mm	1200 x 874 x 300 mm	1200 x 874 x 300 mm
	Outdoor unit	800 x 333 x 554 mm	800 x 333 x 554 mm	845 x 363 x 702 mm	946 x 410 x 810 mm	952 x 415 x 1333 mm	952 x 415 x 1333 mm
Net weight	Indoor unit	18 kg	24.3 kg	31.5 kg	40.5 kg	47.6 kg	47.6 kg
	Outdoor unit	34.7 kg	33.7 kg	66.8 kg	66.8 kg	107 kg	111 kg

Built in Drain Pump

The drain pump can lift the condensing water up to 750mm.



Static pressure

Maximum static pressure 160 pa



AEH - AEF



A
COOLING
EER 2.6

A+
HEATING
COP 2.8



Fix Speed



Self-evaporative
System



Omni-
Directional
Caster



Memory
function



Self
diagnosis



Sleep
function



24 Timer



1 W
Standby

Model		ACP-09PT25AEF R290	ACP-12PT35AEF R290	ACP-12PT35AEH R290
Capacity	Cooling	2726 W	3517 W	3517 W
	Heating	-	-	2930 W
Refrigerant		R290	R290	R290
Energy efficiency class	Cooling	A	A	A
	Heating	-	-	A+
Energetska efikasnost	EER	2.6	2.6	2.6
	COP	-	-	2.8
Input power	Cooling	970 W	1350 W	1350 W
	Heating	-	-	1045 W
Airflow		≤398 m³/h	≤420 m³/h	≤420 m³/h
Dehumidifying capacity		2.7 L/h	3.5 L/h	3.25 L/h
Sound pressure level		50.4≤5.3 dB(A)	50.5≤5.2 dB(A)	54≤54.5 dB(A)
Sound power level		≤62 dB	≤63 dB	≤66 dB
Net dimensions		454 x 365 x 700 mm	467 x 397 x 765 mm	467 x 397 x 765 mm
Net weight		29.5 kg	33 kg	34.4 kg

Air Guardian



Advanced Air Guardian technology keeps your family safe by releasing trillions of positive and negative ions to effectively kill bacteria, viruses and other harmful particles. Guard the air you breathe.

Heat Pump



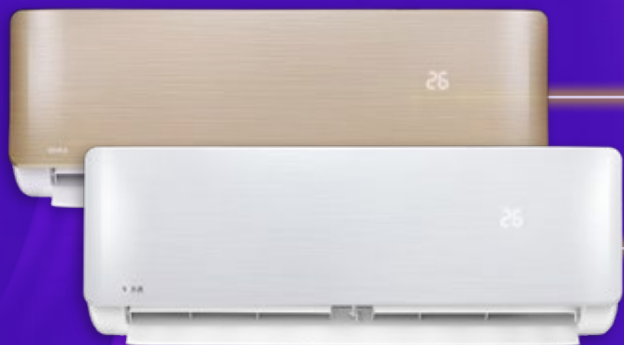
Heating pump system is an excellent alternative for the traditional electrical heating system, as the former can provide more heating capacity and is more efficient. Moreover, thanks to the air circulating faster throughout the room, this heating system guarantees comfortable hot air much faster.

Higher Energy Efficiency



Intelligent on-off technology enables Vivax air conditioners to automatically enter energy-saving mode when on standby mode, lowering energy consumption from conventional 2W to 0.5W which counts for 75% of saving.

MULTI



WALL-MOUNTED INDOOR UNITS



Model		ACP-07CH21AEMI/12	ACP-09CH25AERI R32 (Gold White Silver)	ACP-12CH35AERI R32 (Red Gold Gray Mirror White Silver)	ACP-18CH50AERI R32 (Gray Mirror White)	ACP-12CH35AEVIS R32 (Gold Gray Mirror)
Capacity	Cooling	2052 W	2638 W	3517 W	5275 W	3517 W
	Heating	2346 W	2784 W	3810 W	5568 W	3810 W
Refrigerant		R32	R32	R32	R32	R32
Airflow		≤520 m³/h	≤416 m³/h	≤515 m³/h	≤750 m³/h	≤530 m³/h
Dehumidifying capacity		1.2 L/h	1.0 L/h	1.2 L/h	1.8 L/h	1.2 L/h
Sound pressure level	IU	20 ≤ 40.0 dB(A)	20 ≤ 39.0 dB(A)	21 ≤ 38.0 dB(A)	20 ≤ 41.0 dB(A)	21 ≤ 37.5 dB(A)
Sound power level	IU	≤54 dB	≤54 dB	≤56 dB	≤58 dB	≤54 dB
Outer Diameter of Liquid Pipe		1/4"	1/4"	1/4"	1/4"	1/4"
Outer Diameter of Gas Pipe		3/8"	3/8"	3/8"	1/2"	3/8"
Connection wire		4 x 1.0 mm²	4 x 1.0 mm²	4 x 1.0 mm²	4 x 1.0 mm²	5 x 1.5 mm²
Power supply		~220~240V/1/50Hz; outdoor unit				
Net dimensions	IU	805×194×285 mm	722×187×290 mm	802×189×297 mm	965×215×319 mm	897 x 312 x 182 mm
Net weight	IU	7.5 kg	7.3 kg	8.2 kg	10.8 kg	10.5 kg

Multi split – DC Inverter Systems



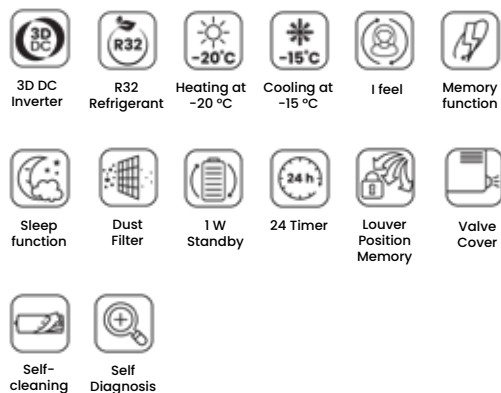
Ideal solution for conditioning of your business or residential premises. All devices are designed to please users and space requests regarding cooling and heating. New technological solutions enable high power efficiency of particular inverter system under all climate conditions, whether used for cooling or heating.

Wide capacity range of outdoor units (from 4.00 – 12.31 kW) and possibility to connect maximum 5 indoor units allows far-reaching of this devices, emphasizing commercial and residential premises. The maximum length of installation is 80 m which allows easy positioning of device regarding relation of outdoor unit and external object dimensions. Therefore, it is now very simple to position outdoor unit on the roof or on the backside of object without affecting the exterior appearance. Indoor units come in four different types: Wall Mounted, Cassette Floor-Ceiling and Floor IU. It is possible to choose between 11 different indoor units with capacity range: 2.22 – 7.03 kW. Attractive design and low noise level will provide comfortable atmosphere.

Apartments, flats, family houses, office space, shops, restaurants and special purpose facilities are just a part of spaces that Vivax multi split DC Inverter devices can heat or cool.

Durability of this device, acceptable price and A++ class of energy efficiency are guarantee of the best choice, which puts Vivax multi split DC Inverter among the leading air conditioners in this segment.

FLOOR MOUNTED INDOOR UNITS



Model		ACP-I2CT35AERI/I2	ACP-I8CT50AERI/I2
Capacity	Cooling	3517 W	4800 W
	Heating	3810 W	5000 W
Refrigerant		R32	
Airflow		≤512 m³/h	590 m³/h
Sound pressure level	Indoor unit	35±43 dB(A)	35±48 dB(A)
Sound power level	Indoor unit	≤58 dB	
Outer Diameter of Liquid Pipe		1/4"	1/4"
Outer Diameter of Gas Pipe		3/8"	1/2"
Connection wire		4x1.0 mm²	
Power supply		~220-240V/1/50Hz; outdoor unit	
Net dimensions	Indoor unit	700 × 600 × 210 mm	
Net weight	Indoor unit	14.8 kg	

FLOOR-CEILING INDOOR UNITS



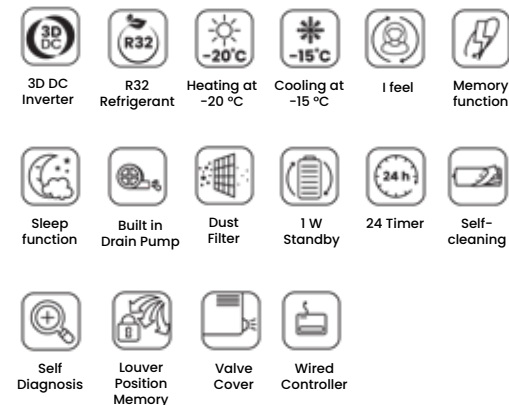
Model		ACP-I8CF35AERI/I2
Capacity	Cooling	5280 W
	Heating	5570 W
Refrigerant		R32
Airflow		≤902 m³/h
Dehumidifying capacity		1.8 L/h
Sound pressure level	Indoor unit	37±45 dB(A)
Sound power level	Indoor unit	≤57 dB
Outer Diameter of Liquid Pipe		1/4"
Outer Diameter of Gas Pipe		1/2"
Connection wire		4x1.0 mm²
Power supply		~220-240V/1/50Hz; outdoor unit
Net dimensions	Indoor unit	1068 × 675 × 235 mm
Net weight	Indoor unit	26.6 kg

CASSETTE INDOOR UNITS



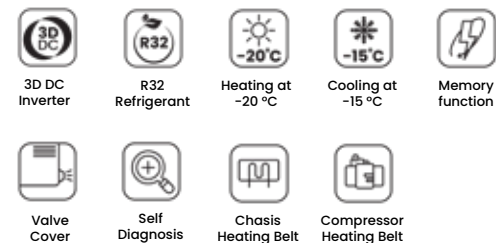
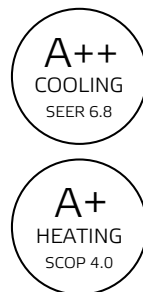
Model		ACP09CCIFM25AERI	ACP12CC35AERI/I2	ACP18CC50AERI/I2S
Capacity	Cooling	2638 W	3517 W	5280 W
	Heating	2931 W	4400 W	5420 W
Refrigerant		R32	R32	R32
Airflow		≤580 m³/h	≤617 m³/h	≤720 m³/h
Dehumidifying capacity		1.0 L/h	1.2 L/h	1.8 L/h
Sound pressure level	Indoor unit	29≤38 dB(A)	33≤41 dB(A)	35.5≤42.5 dB(A)
Sound power level	Indoor unit	≤53 dB	≤51 dB	≤56 dB
Outer Diameter of Liquid Pipe		1/4"	1/4"	1/4"
Outer Diameter of Gas Pipe		3/8"	3/8"	1/2"
Connection wire		4x1.00 mm²	4x1.00 mm²	4x1.00 mm²
Power supply		~220-240V/1/50Hz; outdoor unit		
Net dimensions	Indoor unit	570×570×260 mm	570×570×260 mm	570×570×260 mm
Net weight	Indoor unit	14.7 kg	16.2 kg	16.2 kg
	Panel	2.5 kg	2.5 kg	2.5 kg

DUCT INDOOR UNITS



Model		ACP12DT35AERI/I2	ACP18DT50AERI/I2
Capacity	Cooling	3510 W	5280 W
	Heating	4100 W	5860 W
Refrigerant		R32	R32
Airflow		≤600 m³/h	≤880 m³/h
Dehumidifying capacity		1.2 L/h	1.8 L/h
Sound pressure level	Indoor unit	26≤35 dB(A)	33≤41 dB(A)
Sound power level	Indoor unit	≤56 dB	≤59 dB
Outer Diameter of Liquid Pipe		1/4"	1/4"
Outer Diameter of Gas Pipe		3/8"	1/2"
Connection wire		4x1.00 mm²	4x1.00 mm²
Power supply		~220-240V/1/50Hz; outdoor unit	
Net dimensions	Indoor unit	700×450×200 mm	880×674×210 mm
Net weight	Indoor unit	18 kg	24.3 kg

COFM AERI – OUTDOOR UNITS



Model		ACP-14COFM40AERI R32	ACP-18COFM50AERI R32	ACP-21COFM60AERI R32	ACP-27COFM79AERI R32	ACP-28COFM82AERI R32	ACP-36COFM105AERI R32	ACP-42COFM123AERI R32
Capacity	Cooling	4103 (1436~4795) W	5280 (2051~6860) W	6150 (1950~6830) W	7910 (2890~8500) W	8210 (2050~9850) W	10550 (2051~ 13720) W	12310 (2050~16000) W
	Heating	4396 (1505~4909) W	5570 (2345~7240) W	6590 (1450~6860) W	8200 (1990~ 8500) W	8790 (2340~10550) W	10550 (2340~13720) W	12310 (2050~16000) W
Refrigerant		R32	R32	R32	R32	R32	R32	R32
Energy efficiency class	Cooling	A++	A++	A++	A++	A++	A++	A++
	Heating	A+	A+	A+	A+	A+	A+	A
Energy efficiency	SEER	6.8	6.1	6.5	6.1	7.0	6.5	6.6
	SCOP	4.1	4.0	4.0	4.0	4.0	4.0	3.8
Design load for heating	(P design h)	3.7	4.3	5.4	5.7	6.5	9.2	9.5
Maximum number of indoor units		2	2	3	3	4	4	5
Input power	Cooling	1270 W	1630 W	1900 W	2450 W	2500 W	3517 W	3800 W
	Heating	1200 W	1500 W	1770 W	2200 W	2400 W	2880 W	3300 W
Sound pressure level	OU	≤57 dB(A)	≤56 dB(A)	≤57.5 dB(A)	≤60 dB(A)	≤61 dB(A)	≤63 dB(A)	≤62 dB(A)
Sound power level	OU	≤64 dB	≤65 dB	≤66 dB(A)	≤67 dB	≤69 dB	≤68 dB	≤69 dB
Outer Diameter of Liquid Pipe		1/4"	1/4"	1/4"	1/4"	1/4"	4x1/4"	5x1/4"
Outer Diameter of Gas Pipe		3/8"	3/8"	3/8"	3/8"	3x3/8" + 1x 1/2"	3x3/8" + 1x 1/2"	4x3/8" + 1x 1/2"
Power supply		3*2.5 mm²	3*2.5 mm²	3*2.5 mm²	3*2.5 mm²	3*2.5 mm²	3*2.5 mm²	3*4.0mm²
~220~240V/1/50Hz; outdoor unit								
Max. length of pipe		25 m	40 m	60 m	60 m	60 m	80 m	80 m
Max elevation (VJ iznad UJ/VJ ispod UJ)		15 m	15 m	10 m	10 m	10 m	10 m	10 m
Standard length		15 m	15 m	22.5 m	22.5 m	30 m	30 m	37.5 m
Additional refrigerant		instalation length to each IU x 15 g/m	instalation length to each IU x 15 g/m	instalation length to each IU x 22.5 g/m	instalation length to each IU x 22.5 g/m	instalation length to each IU x 30 g/m	instalation length to each IU x 30 g/m	instalation length to each IU - 37.5 g/m
Wall bracket distance (outdoor)		514 mm	514 mm	540 mm	540 mm	673 mm	673 mm	673 mm
Working range		-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C
Working range at cooling mode		-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C
Working range at heating mode		-20°C≤T≤24°C	-20°C≤T≤24°C	-20°C≤T≤24°C	-20°C≤T≤24°C	-20°C≤T≤24°C	-20°C≤T≤24°C	-20°C≤T≤24°C
Net dimensions	OU	800 x 333 x 554	800 x 333 x 554	845 x 363 x 702	845 x 363 x 702	946 x 410 x 810	946 x 410 x 810	946 x 410 x 810
Net weight	OU	31.6 kg	35.5 kg	46.8 kg	51.1 kg	62.1 kg	68.8 kg	73.3 kg

COMBINATIONS

Unit	Cooling [kW]					Heating [kW]				
	A	B	C	D	Total	A	B	C	D	Total

ACP-18COFM50AERI R32

2 indoor units	7+7	2.25	2.25	-	-	4.50(1.89-4.95)	2.40	2.40	-	-	4.80(2.02-5.81)
	7+9	2.24	2.66	-	-	4.90(2.06-5.39)	2.34	2.66	-	-	5.00(2.11-6.25)
	7+12	2.22	3.33	-	-	5.55(2.28-6.87)	2.22	3.33	-	-	5.55(2.31-7.20)
	7+18	2.22	3.33	-	-	5.55(2.33-6.87)	2.22	3.62	-	-	5.84(2.45-6.31)
	9+9	2.65	2.65	-	-	5.30(2.23-6.83)	2.78	2.78	-	-	5.57(2.34-6.61)
	9+12	2.67	2.99	-	-	5.46(2.29-6.91)	2.71	2.86	-	-	5.82(2.38-6.98)
	9+18	2.38	3.20	-	-	5.58(2.34-6.03)	2.50	3.37	-	-	5.86(2.46-6.21)
12+12	2.76	2.76	-	-	5.52(2.24-5.96)	2.90	2.90	-	-	5.80(2.44-6.09)	

Unit	Cooling [kW]					Heating [kW]				
	A	B	C	D	Total	A	B	C	D	Total

ACP-21COFM60AERI R32

2 indoor units	7+7	2.10	2.10	-	-	4.20(2.01-5.49)	2.50	2.50	-	-	5.00(2.18-5.94)
	7+9	2.06	2.64	-	-	4.70(2.01-5.60)	2.45	3.15	-	-	5.60(2.18-6.27)
	7+12	1.95	3.35	-	-	5.30(2.01-6.10)	2.17	3.73	-	-	5.90(2.18-6.63)
	7+18	1.76	4.54	-	-	6.30(2.01-6.83)	1.82	4.68	-	-	6.50(2.18-6.93)
	9+9	2.65	2.65	-	-	5.30(2.01-6.41)	2.95	2.95	-	-	5.90(2.18-7.39)
	9+12	2.57	3.43	-	-	6.00(2.01-6.59)	2.70	3.60	-	-	6.30(2.18-7.13)
	9+18	2.10	4.20	-	-	6.30(2.01-6.83)	2.20	4.40	-	-	6.60(2.18-7.39)

3 indoor units	7+7+7	2.03	2.03	2.03	-	6.10(2.44-7.20)	2.20	2.20	2.20	-	6.60(2.31-7.79)
	7+7+9	1.92	1.92	2.47	-	6.30(2.44-7.26)	2.02	2.02	2.60	-	6.65(2.31-7.79)
	7+7+12	1.70	1.70	2.29	-	6.30(2.44-7.26)	1.80	1.80	3.00	-	6.70(2.31-7.92)
	7+9+9	1.76	1.76	2.27	-	6.30(2.44-7.32)	1.88	2.41	2.41	-	6.70(2.31-7.92)
	7+9+12	1.58	1.58	2.03	-	6.30(2.44-7.32)	1.68	2.15	2.87	-	6.70(2.31-7.92)
	7+9+18	1.89	1.89	2.52	-	6.30(2.44-7.32)	2.01	2.01	2.68	-	6.70(2.31-7.92)
	9+9+12	1.89	1.89	2.52	-	6.30(2.44-7.32)	2.01	2.01	2.68	-	6.70(2.31-7.92)

Unit	Cooling [kW]					Heating [kW]				
	A	B	C	D	Total	A	B	C	D	Total

ACP-27COFM79AERI R32

2 indoor units	7+7	2.20	2.20	-	-	4.20 (1.75-5.45)	2.20	2.60	-	-	4.80 (2.02-5.81)
	7+9	2.08	2.67	-	-	4.75 (2.00-6.18)	2.34	3.01	-	-	5.35 (2.25-6.70)
	7+12	1.92	3.28	-	-	5.20 (1.78-6.72)	2.23	3.62	-	-	6.05 (2.54-7.30)
	7+18	1.92	3.22	-	-	5.20 (1.75-6.10)	2.23	3.62	-	-	6.05 (2.34-7.30)
	9+9	2.60	2.60	-	-	5.20 (1.75-6.10)	3.24	3.24	-	-	7.42 (3.12-8.30)
	9+12	2.57	3.43	-	-	6.00 (2.52-7.50)	3.24	4.31	-	-	7.42 (3.12-8.30)
	9+18	2.50	3.00	-	-	7.50 (1.75-8.25)	2.72	4.43	-	-	8.15 (3.42-8.42)
	12+12	3.23	3.23	-	-	6.46 (2.71-7.80)	3.90	3.90	-	-	8.80 (3.28-8.13)
	12+18	3.08	4.02	-	-	7.70 (3.23-9.30)	3.32	4.58	-	-	8.30 (3.49-8.60)
18+18	4.03	4.03	-	-	8.06 (3.39-8.35)	4.30	4.30	-	-	8.60 (3.61-8.88)	

3 indoor units	7+7+7	2.48	2.48	2.48	-	7.44(3.12-7.84)	2.57	2.57	2.57	-	7.72(3.24-7.88)
	7+7+9	2.29	2.29	2.94	-	7.51(3.16-7.80)	2.40	2.40	3.00	-	7.88(3.31-8.10)
	7+7+12	2.09	2.09	3.58	-	7.75(3.26-8.15)	2.19	2.19	3.75	-	8.13(3.41-8.30)
	7+7+18	1.76	1.76	4.54	-	8.07(3.36-8.35)	1.87	1.87	4.80	-	8.54(3.59-8.78)
	7+9+9	2.18	2.18	2.78	-	7.11(3.41-8.12)	2.23	2.86	2.86	-	7.95(3.34-8.25)
	7+9+12	1.89	1.89	2.62	-	6.15(3.42-8.25)	2.06	2.65	3.54	-	8.24(3.44-8.25)
	7+9+18	1.79	1.79	4.05	-	8.20(3.44-8.46)	1.79	2.30	4.61	-	8.70(3.68-8.95)
	7+12+12	1.82	1.82	3.07	-	7.95(3.34-8.35)	1.93	3.31	3.31	-	8.54(3.59-8.78)
	7+12+18	1.70	1.70	3.80	-	6.15(3.42-8.40)	1.90	3.20	3.55	-	8.65(3.63-8.91)
	9+9+9	2.64	2.64	2.64	-	7.91(3.32-8.31)	2.74	2.74	2.74	-	9.21(3.45-9.54)
	9+9+12	2.39	2.39	3.18	-	7.95(3.32-8.31)	2.51	2.51	3.35	-	8.37(3.52-8.71)
	9+9+18	2.32	2.32	3.56	-	8.20(3.44-8.46)	2.42	2.42	3.81	-	8.65(3.63-8.91)
4 indoor units	9+12+12	2.25	2.25	2.80	-	8.05(3.36-8.37)	2.28	3.02	3.02	-	8.30(3.62-8.86)
	9+12+18	2.18	2.18	3.27	-	8.25(3.47-8.46)	2.28	3.30	4.00	-	8.90(3.74-9.10)
	12+12+12	2.74	2.74	2.74	-	8.21(3.45-8.46)	2.96	2.96	2.96	-	8.87(3.72-9.04)

ACP-28COFM82AERI R32

2 indoor units	7+7	2.28	2.28	-	-	4.56 (1.92-5.56)	2.38	2.38	-	-
	7+9	2.27	3.07	-	-	5.34 (2.28-6.54)	2.63	3.41	-	-
	7+12	2.25	3.35	-	-	5.61 (2.56-7.44)	2.55	4.09	-	-
	7+18	2.12	3.56	-	-	5.73 (2.25-9.08)	2.29	6.07	-	-
	9+9	3.00	3.02	-	-	6.00 (2.54-7.37)	3.32	3.32	-	-
	9+12	2.81	3.62	-	-	6.43 (2.63-7.94)	3.08	3.78	-	-
	9+18	2.59	3.29	-	-	7.88 (3.31-9.11)	2.77	5.65	-	-
	12+12	3.65	3.65	-	-	7.3 (3.07-8.91)	3.58	3.58	-	-
	12+18	3.80	5.06	-	-	8.73 (3.41-9.18)	3.15	5.21	-	-
18+18	4.51	4.51	-	-	9.02 (3.79-9.79)	4.00	4.00	-	-	

3 indoor units	7+7+7	2.09	2.09	2.09	-	6.28 (2.64-7.66)	2.28	2.28	2.28	-	6.85 (4.45-8.35)
	7+7+9	2.21	2.21	2.88	-	7.3 (3.07-8.91)	2.36	2.36	3.06	-	7.78 (5.05-9.49)
	7+7+12	2.10	2.10	3.35	-	7.56 (3.16-8.02)	2.32	2.32	3.72	-	8.36 (5.43-9.81)
	7+7+18	1.86	1.86	4.93	-	8.65 (3.63-8.44)	2.02	2.02	5.35	-	9.38 (5.10-10.2)
	7+9+9	2.50	2.50	2.68	-	7.03 (3.18-8.02)	2.32	2.32	3.02	-	8.56 (5.43-9.81)
	7+9+12	2.02	2.02	3.23	-	7.88 (3.31-8.11)	2.10	2.10	4.06	-	9.28 (5.53-10.1)
	7+9+18	1.81	1.81	4.80	-	8.86 (3.76-8.44)	1.98	2.57	4.96	-	10.5 (5.35-10.4)
	7+12+12	2.13	2.13	3.09	-	8.12 (3.41-9.18)	2.11	2.11	3.38	-	8.86 (5.75-10.1)
	7+12+18	1.72	1.72	4.55	-	9.02 (3.79-9.79)	1.89	3.02	3.91	-	10.2 (4.44-10.56)
	9+9+9	2.63	2.63	2.63	-	7.88 (3.31-8.11)	2.84	2.84	2.84	-	8.52 (5.53-10.1)
4 indoor units	9+9+12	2.51	2.51	3.09	-	8.12 (3.41-9.18)	2.74	2.74	3.38	-	8.86 (5.75-10.1)
	9+9+18	2.23	2.23	4.55	-	9.02 (3.79-9.79)	2.01	2.01	4.65	-	9.82 (4.44-10.56)
	9+12+12	2.50	2.50	3.08	-	8.65 (3.63-8.44)	2.71	2.71	3.34	-	9.38 (6.08-10.2)
	9+12+18	2.13	2.13	4.34	-	9.03 (3.82-9.52)	2.10	2.10	4.51	-	10.08 (5.65-10.6)
	12+12+12	2.95	2.95	2.95	-	8.85 (3.72-9.71)	2.25	2.25	3.25	-	8.76 (6.34-10.52)
	12+12+18	2.85	2.85	4.10	-	9.8 (4.11-9.94)	3.10	3.10	3.90	-	10.1 (6.7-10.5)

4 indoor units	7+7+7+7	2.05	2.05	2.05	2.05	11.07(5.34-9.00)	2.27	2.27	2.27	1.98	8.79(6.36-10.5)
	7+7+7+9	1.98	1.98	1.98	2.96	8.92(5.33-8.55)	2.17	2.17	2.17	3.03	9.34(6.34-10.5)
	7+7+7+12	1.94	1.94	1.94	3.30	8.92(5.33-8.55)	2.11	2.11	2.11	3.65	9.98(6.36-10.5)
	7+7+7+18	1.73	1.73	1.73	4.61	9.80(5.31-9.84)	1.85	1.85	1.85	4.55	10.1(7.33-10.5)
	7+7+9+9	2.02	2.02	2.02	2.49	9.51(5.25-9.38)	2.17	2.17	2.17	3.03	9.34(6.34-10.5)
	7+7+9+12	1.88	1.88	2.45	3.01	8.22(5.25-9.84)	2.04	2.04	2.65	3.33	10.06(6.36-10.5)
	7+7+9+18	1.80	1.80	2.36	3.84	9.90(5.25-9.84)	1.93	1.93	2.64	4.01	10.1(7.33-10.5)
5 indoor units	7+7+9+12	1.51	1.51	2.39	2.99	11.07(5.27-9.82)	1.99	1.99	1.99	3.14	10.1(7.25-10.5)
	7+9+9+9	1.85	1.85	2.41	2.41	9.08(5.50-9.41)	2.01	2.01	2.61	2.79	10.02(6.5-10.54)
	7+9+9+12	1.63	1.63	2.52	2.92	8.15(5.34-9.85)	1.94	1.94	2.61	3.04	10.1(7.25-10.5)
	7+9+12+12	1.44	1.44	2.46	2.46	11.08(5.37-9.94)	1.59	2.05	2.73	2.73	12.72(4.12-10.5)
	9+9+9+9	2.05	2.05	2.05	2.05	11.07(5.34-9.94)	2.53	2.53	2.53	2.51	10.7(7.10-10.5)
	9+9+9+12	2.32	2.32	2.32	2.84	9.63(5.37-9.94)	2.47	2.47	2.47	2.69	10.1(7.07-10.5)
	9+9+12+12	2.05	2.05	2.05	2.05	11.07(5.34-9.94)	2.47	2.47	2.47	2.69	10.1(7.07-10.5)

	Cooling [kW]						Heating [kW]			
Unit	A	B	C	D	E	Total	A	B	C	D

ACP-36COFM105AERI R32

2 indoor units	7+7	2.08	2.08	-	-	4.16(1.71-5.03)
----------------	-----	------	------	---	---	-----------------

HEAT PUMPS



Total solution for heating, cooling
and domestic hot water

Introduction

How air source heat pump works

Heat pump units are capable of extracting heat from the surrounding air and transferring this heat indoors for space heating and domestic



Stage One

As the refrigerant passes through the expansion valve and expands, its temperature and pressure both drop.

Stage Two

With the temperature of the refrigerant being lower than the ambient temperature, heat passes from the air flowing over the air side heat exchanger to the refrigerant and the refrigerant evaporates.

Stage Three

When the refrigerant vapor passes through the compressor its pressure increases and its temperature rises above that of the water in hydronic system.

Stage Four

As the hot vapor refrigerant passes through the water side heat exchanger it heats the water in the hydronic system, which is then pumped indoors to the space heating terminals or hot water tank. The refrigerant cools and condenses and then ready to return to the expansion valve to start the cycle again.

Split system

Split system	User interface (external, apply to SMK) Solar panel Low temperature radiator Under-floor heating Outdoor unit Hydronic box SMK Hydronic box SMKTT Domestic hot water tank (external, apply to SMK)
Application	Heating + Cooling + Domestic hot water
Structure type	Split (Heat pump and hydronic box are independent)
Refrigerant piping	Between heat pump unit (outdoor) and hydronic box (indoors)
Water piping	Between hydronic box and indoor heating appliances
Installation	Refrigerant piping and water piping
Combinational parts (field supplied)	Under-floor heating loops Fan coil units Low temperature radiators Domestic hot water tank(external, apply to SMK) Auxiliary heat sources (such as water heaters and boilers)

Split type outdoor unit The outdoor unit absorbs heat from the outside air and transfers it inside through the refrigerant piping.

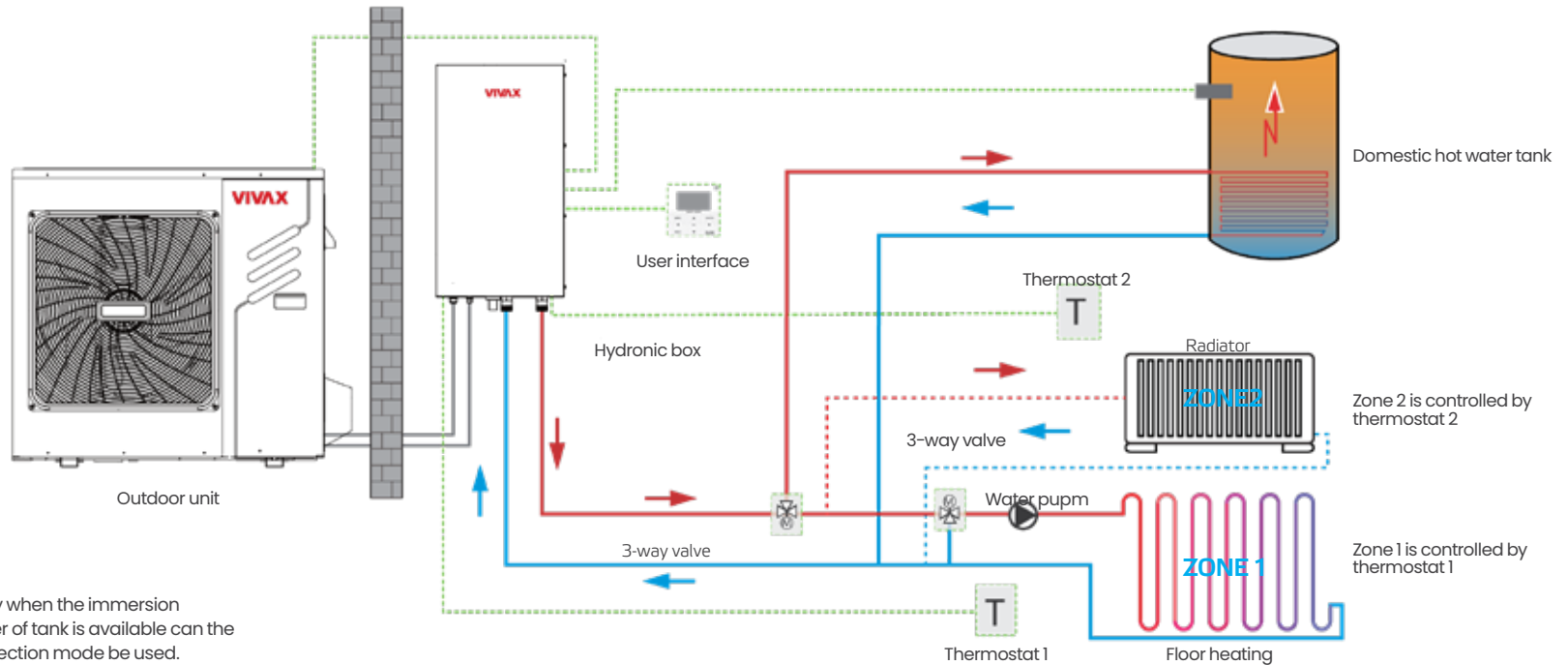
Hydronic box The hydronic box heats the water by refrigerant from outdoor unit. The heated water circulates through heating apparatus such as floor heating, radiators, fan coil units as well as inner coil of domestic hot water tank.

Domestic hot water tank Hot water from the Split unit is circulated around the domestic hot water tank's heating water coil, heating the domestic hot water inside the tank. Immersion heaters are often installed in domestic hot water tanks as a backup.

User interface User interface is connected to the Split unit through signal wire. It mainly uses for ON/OFF the unit, mode setting, temperature adjusting and timer setting.

Flexible operation and more comfort

Two zones controlled using user interface and thermostat



Priority setting
function and multi
modes choice



Cooling
Operation
Priority



Space Heating
Operation
Priority



DHW
Operation
Priority



AUTO
mode



Disinfect
mode 1



Holiday
mode



Forced DHW
mode



Eco
mode



Silent
mode

User interface



- newly designed touch-key wiRed controller
- check running parameters in real time
- communication wire length up to 50m

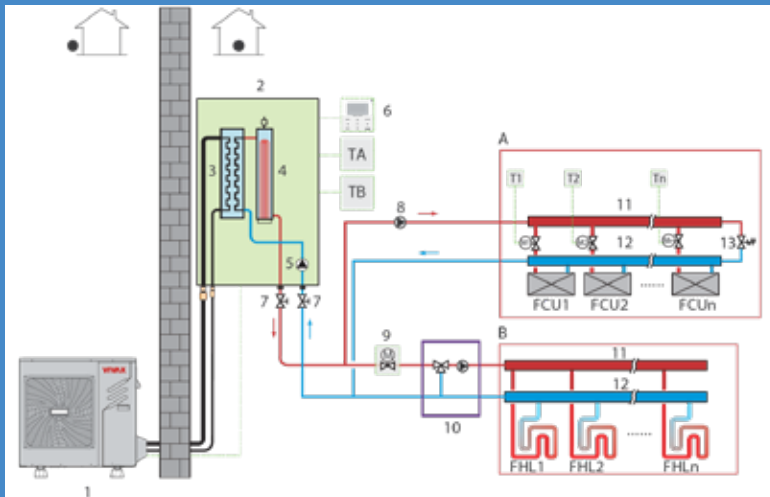
- built-in temperature sensor
- built-in wifi module (For R32 series)
- multiple languages (For R32 series)
- modbus protocol and network flexibility

Take an example as R32 Split combine with SMK

Application 1

Space Heating Through Floor Heating Loops and Fan Coil Units

The floor heating loops and fan coil units require different operating water temperatures. To achieve these two set points, a mixing station is required. Room thermostats for each zone are optional.

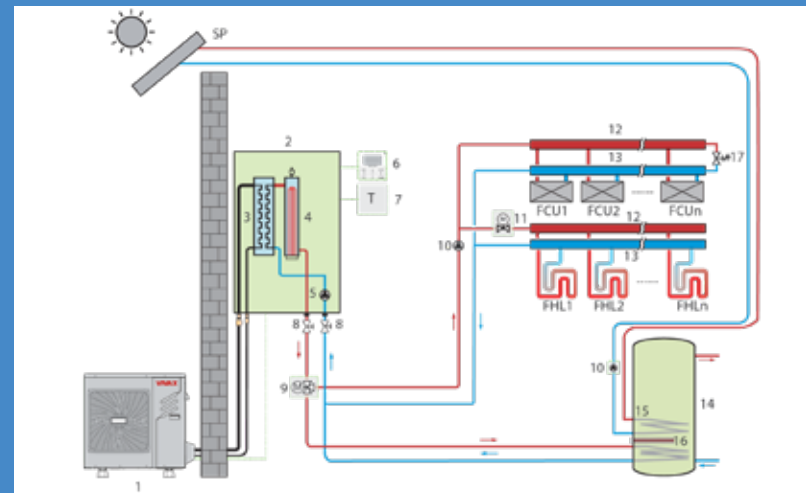


- 1 Outdoor unit
- 2 Hydronic box
- 3 Plate heat exchanger
- 4 Backup electric heater (optional)
- 5 Internal circulator pump
- 6 User interface
- 7 Stop valve (field supplied)
- 8 External circulator pump (field supplied)
- 9 Motorized 2-way valve (field supplied)
- 10 Mixing station (field supplied)
- 11 Distributor (field supplied)
- 12 Collector (field supplied)
- 13 Bypass valve (field supplied)
- FHL 1...n Floor heating loops (field supplied)
- FCU 1...n Fan coil units (field supplied)
- M1...n Motorized valves (field supplied)
- T1...n Room thermostats (field supplied)
- TA Zone A thermostat (field supplied)
- TB Zone B thermostat (field supplied)

Application 2

Space Heating, Space Cooling and Domestic Hot Water Compatible with Solar Water Heater

Floor heating loops and fan coil units are used for space heating and fan coil units are used for space cooling. Domestic hot water is supplied from the domestic hot water tank connected to both the hydronic box and solar water heater. The unit switches to heating or cooling mode according to the temperature detected by the room thermostat. In space cooling mode, the 2-way valve is closed to prevent cold water entering the floor heating loops.



- 1 Outdoor unit
- 2 Hydronic box
- 3 Plate heat exchanger
- 4 Backup electric heater (optional)
- 5 Internal circulator pump
- 6 User interface
- 7 Room thermostat
- 8 Stop valve (field supplied)
- 9 Motorized 3-way valve (field supplied)
- 10 External circulator pump (field supplied)
- 11 Motorized 2-way valve (field supplied)
- 12 Distributor (field supplied)
- 13 Collector (field supplied)
- 14 Domestic hot water tank (field supplied)
- 15 Heat exchanger coil
- 16 Immersion heater
- 17 Bypass valve (field)
- FHL 1...n Floor heating loops (field supplied)
- FCU 1 Fan coil units (field supplied)
- SP Solar panel

Specifications

Outdoor unit			HPS-22CH65AER/O1s R32	HPS-28CH84AER/O1s R32	HPS-34CH100AER/O1s R32	HPS-41CH120AER/O3s R32	HPS-48CH140AER/O3s R32	HPS-53CH155AER/O3s R32
Power supply		V/Ph/Hz	220-240/1/50			380-415/3/50		
Compressor	Type		Twin rotary					
Outdoor fan	Motor type		DC fan					
	Number of fans		1					
Air side heat exchanger	Type		Fin-coil					
Refrigerant	Type(GWP)		R32(675)					
	Charged volume	kg	1.50	1.65		1.84		
Sound power Level ¹		dB	58	59	60	64	65	68
Unit dimension (W×H×D)		mm	1008×712×426	1118×865×523				
Packing dimension (W×H×D)		mm	1065×800×485	1180×890×560				
Net/Gross weight		kg	58/64	77/88		112/125		
Pipe size O.D.	Liquid	mm	6.35	9.52				
	Gas	mm	15.88	15.88				
Connection method			Flared					
Between indoor and outdoor unit	Height difference	m	Max.20					
	Pipe length	m	2-30					
Additional refrigerant	Chargment	g/m	20	38				
	Max. pipe length for no additional refrigerant	m	15					
Outdoor air temperature range	Cooling	℃	-5~43					
	Heating	℃	-25~35					
	DHW	℃	-25~43					

Note:

1. Testing standard: EN12102-1.

Abbreviations:

DWH: Domestic Hot Water, GWP: Global Warming Potential

Outdoor unit			HPS-22CH65AER/O1s R32	HPS-28CH84AER/O1s R32	HPS-34CH100AER/O1s R32	HPS-41CH120AER/O3s R32	HPS-48CH140AER/O3s R32	HPS-53CH155AER/O3s R32	Hydronic box model HB-A				HPS-42HM65AER/l/s	HPS-84HM100AER/l/s	HPS-120HM155AER/l/s	
Hydronic box model HPS-			42HM65 AER/l/s	84HM100AER/l/s		120HM155AER/l/s			Power supply			V/Ph/Hz		220-240/1/50		
									Sound power level ¹			dB		38	42	43
Heating ¹	Capacity	kW	6.20	8.30	10.0	12.1	14.5	16.0	Unit dimension (W×H×D)			mm		420×790×270		
	Rated input	kW	1.24	1.60	2.00	2.44	3.09	3.56	Packing dimension (W×H×D)			mm		525×1050×360		
	COP			5.00	5.20	5.00	4.95	4.70	4.50	Net/Gross weight			kg		37/43	39/45
Heating ²	Capacity	kW	6.35	8.20	10.0	12.3	14.2	16.0	Water side heat exchanger					Plate type		
	Rated input	kW	1.69	2.08	2.63	3.24	3.89	4.44	Water pump	Max. pump head	m	9				
	COP			3.75	3.95	3.80	3.80	3.65	3.60	Expansion vessel (Primary circuit)	Volume	L	8			
Heating ³	Capacity	kW	6.00	7.50	9.50	12.0	13.8	16.0	Charge pressure		MPa	0.3				
	Rated input	kW	2.00	2.36	3.06	3.87	4.60	5.52	Connection	water side	mm	R1"				
	COP			3.00	3.18	3.10	3.10	3.00		2.90	Refrigerant liquid	mm	6.35	9.52		
Cooling ⁴	Capacity	kW	6.55	8.40	10.00	12.00	13.50	14.90	Refrigerant gas	mm	15.88	15.88				
	Rated input	kW	1.34	1.66	2.08	3.00	3.75	4.38	Safety valve		MPa	0.3				
	EER			4.90	5.05	4.80	4.00	3.60	3.40	Flow switch		m3/h	0.36		0.6	
	Cooling ⁵	Capacity	kW	7.00	7.40	8.20	11.6	12.7	14.0	Total water volume		L	5			
Rated input		kW	2.33	2.19	2.48	4.22	4.98	5.71	Backup E-heater ²	Standard mounted	kW	/				
EER			3.00	3.38	3.30	4.22	2.55	2.45		Optional	kW	3/9	3/9	3/9		
Seasonal space heating energy efficiency class ⁶	Water outlet at 35°C	Class	A+++							Water outlet temperature range	Capacity steps		1/3		1/3	1/3
	Water outlet at 55°C	Class	A++						Power supply		3 kW	V/Ph/Hz	220-240/1/50			
											9 kW		380-415/3/50			
									Room temperature range			°C		5~35		
										Cooling	°C		5~25			
										Heating	°C		25~65			
									DHW(tank)			°C		30~60		

Notes:

Notes:

1. Evaporator air in 7°C, 85% R.H., Condenser water in/out 30/35°C
2. Evaporator air in 7°C, 85% R.H., Condenser water in/out 40/45°C
3. Evaporator air in 7°C, 85% R.H., Condenser water in/out 47/55°C
4. Condenser air in 35°C. Evaporator water in/out 23/18°C
5. Condenser air in 35°C. Evaporator water in/out 12/7°C
6. Seasonal space heating energy efficiency class tests in average climate general conditions.
7. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/022014.

Notes:

1. Testing standard: EN12102-1.
2. For three phase type backup electric heater, 3/6kW can be achieved by changing DIP switch when hydronic box is equipped with 9kW.

VIVAX

M SAN Grupa Ltd.
Exclusive distributor for
Republic of Croatia

Buzinski prilaz 19
10010 Buzin, Zagreb, Croatia
t +385 1 3654 900
e vivax@msan.hr
vivax.com



VIVAX PARTNER

