

VIVAX



Present in more than 35 countries

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Vivax History

- **2020** Heat pump
- **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
- **2018** Seventh generation of multi split air conditioners
Fifth generation of light commercial air conditioners
- **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
First accessories for air conditioners
- **2005** First Inverter
First portable air conditioners
First cassette type air conditioners
- **2004** First Vivax air conditioners on the market

Vivax technology



New refrigerant R32

Vivax air conditioners comply with international standards for environmental safety and energy efficiency with CE, CB, SAA, and CNEX certifications.

Environmental safety

Guarantee for environmental safety ensures complete protection for the ozone layer. The lower Global Warming Potential ensures less gas emission.

Energy efficiency

Air conditioners with refrigerant R32 are 2-9% more energy efficient compared to R410A models.

BEST BUY AWARD for VIVAX air conditioners

After receiving Best buy award Vivax air conditioners became proud owners of QUDAL-QUALITY MEDAL award as well. That means that Vivax air conditioners provide highest level of quality for their buyers and users.

This award is even more valuable since it has been awarded by construction professionals (investors, architects, technicians, business owners and DIY individuals). VIVAX air conditioners suit to every target group needs. Their premium design is easily adapted to various types of interiors, from modern to traditional ones. Ultimate goal for Vivax air conditioners is energy efficiency and high standards of environmental safety.

A group of professionals that chooses VIVAX in the category of air conditioners, appreciate reliability and high technology present on the market for years. Constant upgrading and implementing of technology can be recognised in VIVAX smart air conditioners controlled by Wi-Fi module and smart devices from any location. Long term investing in VIVAX air conditioners is recognised by more professional and home users every year.

QUDAL-QUALITY MEDAL can be awarded to only one brand in the category, and last year the winner was VIVAX air conditioners. This award was more than deserved.

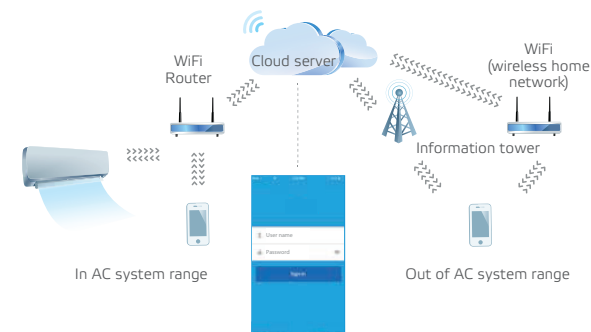
Vivax has invested many resources in all segments of product development over the years.

Besides high standards of quality and three years warranty with superb service support, Vivax has qualities such as silent working mode while heating and cooling, as well as numerous filters that provide clean air for healthy ambient.

V-smart solution - WiFi

With smart components installed on Vivax AC, you can control all AC functions through mobile apps on your smartphone. Use simple commands, options or voice control.

M - Smart not only focuses on operating the AC, but also offers healthy air care solutions based on human/AC interaction.



Function description

3D DC Inverter



Intelligent Defrosting

Maximize warm comfort with shorter defrosting time. Traditional defrosting works automatically while heating, regardless of external conditions. Such defrosting consumes a lot of energy, and it can not be reduced or turned off. E.g. Traditional defrosting turns on every 50 minutes and it lasts for 10 minutes. VIVAX I-Defrosting works only when defrosting is really needed. This technology significantly reduces energy waste by eliminating unnecessarily defrosting process.



ECO Mode

VIVAX new energy-saving AC apply innovative ECO Mode. Sleep without worries on your mind, because Eco Mode provides additional 60% of power saving.



IECO technology

The air conditioner is equipped with IECO energy-saving technology, which perfectly synergizes with highly efficient frequency conversion system. You can indulge in comfortable coolness while significantly reducing energy consumption over 8 hours.



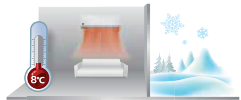
Refrigerant Leakage Detect

When refrigerant leakage is detected indoor, unit will show error code "EC" and stop automatically. This function can better protect compressor from being damaged by high temperature due to refrigerant leakage.



8°C Heating

In heating operation, the preset temperature of the air conditioner can be as low as 8°C, which keeps the room temperature steady at 8°C and prevents the house from freezing when it is unoccupied for a long time in severe cold weather.



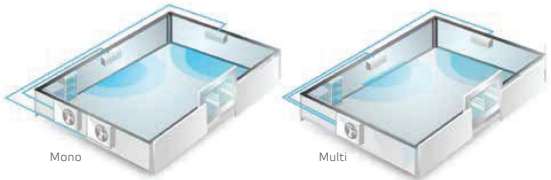
Emergency Using Function

Normally, when temperature sensor error appears, the air conditioner will display an error code and stop running immediately. In this case VIVAX AC system will display error code, but will continue running in cooling mode.



Mono & Multi Compatible

Compatible indoor unit for both, mono and multi inverter system. It is suitable for warehouse management.



Louver Position Memory Function

When you start the unit next time, the angle of the vertical swing will automatically move to the same position as you set last time.



Function description

Auto Photosensitive Display

When room light is turned off, display will be slowly dimmed after 5 seconds, and the airflow will be soften down accordingly, offering you a sound sleep.



Sensitive to the light intensity



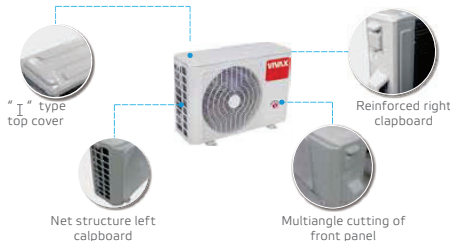
Analyze room enviroment after the light is turned off



Soften down airflow and dim the display

VIVAX new Outdoor unit Appearance - Multi-angle cutting structure

VIVAX new multi-angle cutting structure outdoor unit with uniquely designed reinforcing rib makes the outdoor unit more sturdy and durable. Air outlet grille can be disassembled individually, making the fan motor maintenance easier.



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.



VIVAX multi split DC inverter systems



Recently Vivax has introduced seventh generation of multi split DC inverter air conditioners which are 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 5.28 - 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 three different types: wall mounted, Cassette and floor. 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. They are all compatible with the new R32 gas and old R410A gas. 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.

Humidity control



Smart sensor on indoor unit can control humidity from 30% do 90%, along with temperature.



Power Mode
2805 ml



Normal Mode
1757 ml



DIY Mode

Movement detector



WIND FOLLOW ME



WIND AVOID ME







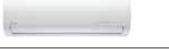



WHEN YOU ARE AWAY FOR 30 MINUTES, AUTOMATICALLY LOWERS THE FREQUENCY TO SAVE ENERGY



*** 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 www.vivax.com

VIVAX AIR CONDITIONERS 2020

Products Overview

	Photo	Series	Capacity	Color	
WALL SPLIT SYSTEM		Y-DESIGN R32	2.9kW 3.5kW	white	12
		V-DESIGN R32	3.7kW 5.3kW	gold gray mirror	16
		R-DESIGN R32	2.9kW 3.5kW 5.3kW 7.0kW	gold white red mirror black silver	18
		M-DESIGN R32	2.9kW 3.5kW 5.3kW 7.0kW	white	20
		Q-DESIGN R32	2.9kW 3.5kW 5.3kW 7.0kW	white	22
CONSOLE SPLIT SYSTEMS		CT-AERI	3.5kW		24
FLOOR AND CEILING SPLIT SYSTEMS		CF-AERI	5.3kW 7.0kW 10.5kW 14.1kW 16.1kW		26
CASSETTE SPLIT SYSTEM		CC-AERI	3.5kW 5.3kW 7.0kW 10.5kW 13.8kW 16.1kW		28

DUCT SPLIT SYSTEM		DT-AERI	3.5kW 5.3kW 7.0kW 10.5kW 13.8kW 16.1kW		30
PORTABLE AIR CONDITIONERS		AEH AEF	2.6kW 3.5kW		32
MULTI SPLIT SYSTEMS		AERI	2.6kW 3.5kW 5.3kW		35
		CTIFM-AERI	3.5kW		36
		CCIFM-AERI	2.6kW 3.5kW 5.3kW		37
OUTDOOR UNIT		COFM-AERI	5.3kW 6.0kW 7.9kW 8.2kW 10.5kW 12.3kW		38
HEAT PUMPS		R410A	12kW 14kW 15.5kW		41
		R32	6.5kW 8.4kW 10kW		

Device functions

		ECO MODE	INTELLIGENT EYE DETECTOR	0.51W STAND BY	SLEEP MODE	I FEEL FUNCTION - FOLLOW WIRE	TURBO MODE	AUTO OPERATION	AUTO SWING	MEMORY FUNCTION (AUTO RESTART)	IONIZER	SELF DIAGNOSIS DISPLAYING	SOFT START	24H TIMER	LED SCREEN	BIO FILTER	DUST FILTER		QUIET DESIGN	COLD CATALYST FILTER	SELF CLEANING	PTC HEATER	ENERGY SAVING	LOW VOLTAGE START-UP	VALVE PROTECTION COVER	-15°C HEATING	-20°C HEATING	-32°C HEATING	LOW AMBIENT KIT	AUTO DEFROST	WIFI READY	WIFI	3-FAN SPEEDS	3D AIRFLOW	BUILT-IN DRAIN PUMP	FREEZE PROTECTION (8°C HEATING)	WIRED CONTROLLER	GOLDEN FN
MULTI SPLIT	Y DESIGN	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•				•	•	•	•	•			•	•	•	•		•		•			•
	V DESIGN	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•				•	•	•	•	•		•			•	•			•			•	
	R DESIGN	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•				•	•	•	•	•		•			•	•						•	
	M DESIGN			•	•	•	•	•	•	•		•	•	•	•	•	•		•					•	•	•				•	•	•						•
	Q DESIGN			•	•		•	•	•	•		•	•	•	•		•		•					•	•	•				•	•				•		•	
	PORTABLE AIR CONDITIONERS			•	•			•		•		•		•	•		•							•	•						•							
	CONSOLE SPLIT SYSTEM - CT AERI				•		•	•		•		•	•	•	•	•		•					•		•					•	•						•	
	FLOOR CEILING SPLIT SYSTEM- CF-AERI				•		•	•	•	•		•	•	•	•	•		•		•			•		•	•				•	•						•	
	CASSETTE SPLIT SYSTEM - CC AERI				•		•	•	•	•		•	•	•	•	•		•					•		•	•				•	•						•	
	DUCT SPLIT SYSTEM - DT AERI				•		•	•	•	•		•	•	•	•	•		•				•			•	•				•	•						•	
	WALL MOUNTED INDOOR UNITS				•	•	•	•	•	•	•	•	•	•	•	•	•	•				•	•		•			•	•	•								•
	FLOOR MOUNTED INDOOR UNITS				•		•	•	•	•	•		•	•	•	•		•				•	•		•			•	•	•								•
CASSETTE INDOOR UNITS				•		•	•	•	•			•	•	•	•		•				•	•		•			•	•	•							•		•
OUTDOOR UNITS				•		•	•	•	•			•	•	•	•		•				•	•		•	•		•	•	•									•

MULTI SPLIT

ENERGY SAVING



ECO MODE



0.5W/1W STAND BY



COMFORTABLE SLEEP FUNCTION

HEALTH



COLD CATALYST FILTER
Eliminates harmful gases and odors.



IONIZER



BIO FILTER



DUST FILTER



SELF CLEANING

RELIABILITY



EMERGENCY USING FUNCTION
When temperature sensor error happens, the regular AC will display error code and stop immediately, while VIVAX AC will display error and continue running in proper status, to avoid the case that AC and sin urgent need.



PTC HEATER



REFRIGERANT
LEAKAGE DETECT



INTELLIGENT
DEFROSTING



HEATING



SELF
DIAGNOSIS
DISPLAYING



LOW
AMBIENT KIT



VALVE
PROTECTION
COVER



100% CAPACITY
ON -15°C

COMFORT & PRACTICALITY



WI-FI READY



TIMER



I FEEL



WIRED
CONTROLLER



DIGITAL
DISPLAY



TURBO



2-WAY
DRAINING



8°C HEATING
Prevents house
from freezing at
temperatures
below 8°C.



HUMIDITY
CONTROL



MOVEMENT
DETECTOR



MANUAL
ON/OFF



MONO & MULTI
COMPATIBLE



MUTE
OPERATION



12 FAN
SPEEDS



3D AIR FLOW



360°
AIR FLOW
PANEL



LOVER
POSITION
MEMORY
FUNCTION



SELF-
EVAPORATIVE
SYSTEM



MEMORY
FUNCTION
(AUTO RESTART)



OMNI-
DIRECTIONAL
CASTER



AUTO
OPERATION



BUILT IN
DRAIN PUMP

We reserve the right of eventual printing errors.

MOVEMENT
DETECTOR

SILENCE & PEACE
for atmosphere you desire



NIGHT MODE



A powerful air conditioner you do not hear, but feel!
Movement detector creates the atmosphere you desire using wireless connectivity.

Y-DESIGN R32

Heating 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.

Ultra-high Energy Efficiency



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.



Special heat exchanger design offers better performance rate

The leading energy efficiency compressor as core element of the technology

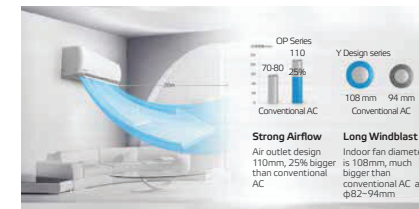
Optimized air outlet design assists the energy efficiency

Cooling down to -32°C



Y DESIGN series is cooling Your home efficiently on low outside temperatures, even down to -32°C.

Strong Long Windblast



Comfort Airflow



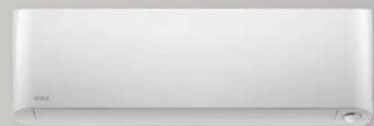
Y DESIGN series offers the most comfort airflow with warm air down to your toes, feeling spring in every corner of your room. Cool air up to the ceiling provides a more homogeneous coolness all around.



A+++
at cooling
& heating

Protection of a large family
space in extreme conditions.
Enjoy in motion sensor and
maximum energy savings.

ENERGY SAVINGS
with smart spending!



WALL SPLIT SYSTEM | DC inverter

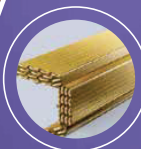
Y-DESIGN R32

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	2470 W
Input power	Cooling	483 W	750 W
	Heating	834W	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 248mm	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



SAFE WITH GOLD

special anti-corrosion coating



ANTICORROSIVE
GOLD TRIM

Powerful air conditioner equipped with ionizer that provides clean and fresh air without flying particles. For the best focus, efficiency and results.

WALL SPLIT SYSTEM | DC inverter

✓ - DESIGN R32

Model	ACP-12CH35AEVI R32	ACP-18CH50AEVI R410A
	ACP-12CH35AEVI Gold R32	
Capacity	Cooling 3517 (406~4443) W Heating 3810 (360~4357) W	5275 (1835~6120) W 5568 (1395~6741) W
Refrigerant	R32	R410A
Energy efficiency class	Cooling A++ Heating A+	A++ A+
Energy Efficiency	SEER 6.7 SCOP 4.1	6.6 4.0
Design load for heating	(P design h) 2700 W	4200 W
Input power	Cooling 1208 W Heating 1340 W	1643 W 1586 W
Airflow	≤530 m³/h 1.2 L/h	≤740 m³/h 1.8 L/h
Dehumidifying capacity	21≤37.5 dB(A)	21≤42.5 dB(A)
Sound pressure level	Indoor unit ≤54 dB(A) Outdoor unit ≤37.5 dB	≤55 dB(A) ≤54 dB
Sound power level	Indoor unit ≤63 dB Outdoor unit 1/4"	≤63 dB 1/2"
Outer Diameter of Liquid Pipe	3/8"	1/2"
Outer Diameter of Gas Pipe	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	30 m
Max elevation	10 m	20 m
Standard length	5 m	5 m
Additional refrigerant	12 g/m	15 g/m
Wall bracket distance (outdoor)	487 mm	514 mm
Working range	-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
Working range at heating mode	-20°C≤T≤30°C	-20°C≤T≤30°C
Net dimensions	Indoor unit 897 x 312 x 182 mm Outdoor unit 770 x 300 x 555 mm	1004 x 350 x 205 mm 800 x 333 x 554 mm
Net weight	Indoor unit 9.9 kg Outdoor unit 27 kg	13.5 kg 35.1 kg



V-DESIGN

VIVAX V-DESIGN series is unique, light turns blue in cooling mode and red in heating mode



OFF



HEATING MODE



COOLING MODE



DOSE OF PASSION
in colors and space

Inovative air conditioner which gives you the most, for the least! Stunning red brings dynamics into modern interiors like gyms, restaurants or bars. Feel the new level of activity and energy in space with new colors of R design air conditioners.

WALL SPLIT SYSTEM | DC inverter

R-DESIGN R32

Model		ACP-09CH25AERI R32	ACP-12CH35AERI R32 red/gold/silver mirror/white/silver	ACP-18CH50AERI R32	ACP-24CH70AERI R32
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	R32
	Energy efficiency class	A++	A++	A++	A++
Energy Efficiency	Cooling	A+	A+	A+	A+
	Heating	A+	A+	A+	A+
SEER	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)	Cooling	2500 W	2700 W	3900 W	5100 W
	Heating	703 W	1089 W	1547 W	2402 W
Airflow	Cooling	731 W	1050 W	1500 W	2177 W
	Heating	731 W	1050 W	1500 W	2177 W
Dehumidifying capacity	Cooling	≤416 m³/h	≤515 m³/h	≤750 m³/h	≤1020 m³/h
	Heating	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)	21≤42 dB(A)	20≤41 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	Indoor unit	1/4"	1/4"	1/4"	3/8"
	Outdoor unit	3/8"	3/8"	1/2"	5/8"
Outer Diameter of Gas Pipe	Indoor unit	5x1.5 mm²	5x1.5 mm²	5x1.5 mm²	5x2.5 mm²
	Outdoor unit	5x1.5 mm²	5x1.5 mm²	5x1.5 mm²	5x2.5 mm²
Connection wire IU/OU ~220-240V/1/50Hz	Indoor unit	3x1.5 mm²	3x1.5 mm²	3x1.5 mm²	3x2.5 mm²
	Outdoor unit	3x1.5 mm²	3x1.5 mm²	3x1.5 mm²	3x2.5 mm²
Max. length of pipe	Indoor unit	25 m	25 m	30 m	50 m
	Outdoor unit	10 m	10 m	20 m	25 m
Max elevation	Indoor unit	5 m	5 m	5 m	5 m
	Outdoor unit	12 g/m	12 g/m	12 g/m	24 g/m
Standard length	Indoor unit	487 mm	487 mm	514 mm	540 mm
	Outdoor unit	487 mm	487 mm	514 mm	540 mm
Additional refrigerant	Indoor unit	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C
	Outdoor unit	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C	-20°C≤T≤50°C
Wall bracket distance (outdoor)	Indoor unit	-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C
	Outdoor unit	-20°C≤T≤30°C	-20°C≤T≤30°C	-20°C≤T≤30°C	-20°C≤T≤30°C
Working range	Indoor unit	-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C	-15°C≤T≤50°C
	Outdoor unit	-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 320 x 700 mm
Net weight	Indoor unit	7.4 kg	8.2 kg	10.8 kg	12.9 kg
	Outdoor unit	27.2kg	27 kg	37 kg	50 kg





POWER OF NATURE to fight allergens and dust!

I FEEL
function

BIO filter

Easy relaxation with air conditioner and its BIO filter that collects micro particles, dust and allergens. Follow me option follows movements and optimizes the exhaust.

WALL SPLIT SYSTEM | DC inverter

M-DESIGN R32

Model		ACP-09CH2SAEMI R32	ACP-12CH3SAEMI R32	ACP-18CH50AEMI R32	ACP-24CH70AEMI R32
Capacity	Cooling	2638(909~3400) W	3517(1114~4162) W	5280 (1820~6130) W	7030 (2670~7880) W
	Heating	2930 (820~3370) W	3810 (880~4220) 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	6.2	6.1	7.1	6.1
	SEER	4.0	4.0	4.0	4.0
	SEER	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	732 W	1213 W	1539 W	2345 W
Airflow	Cooling	733 W	1088 W	1480 W	2035 W
	Heating	733 W	1088 W	1480 W	2035 W
Dehumidifying capacity		≤466 m³/h	≤540 m³/h	≤840 m³/h	≤980 m³/h
Sound pressure level	Indoor unit	1.0 L/h	1.2 L/h	1.8 L/h	2.4 L/h
	Outdoor unit	25≤38.5 dB(A)	25≤40.5 dB(A)	25≤44 dB(A)	28≤44.5 dB(A)
Sound power level	Indoor unit	≤55.5 dB(A)	≤56 dB(A)	≤56 dB(A)	≤59.5 dB(A)
	Outdoor unit	≤54 dB	≤55 dB	≤55 dB	≤59 dB
Outer Diameter of Liquid Pipe	Indoor unit	≤62 dB	≤63 dB	≤61 dB	≤67 dB
	Outdoor unit	≤62 dB	≤63 dB	≤61 dB	≤67 dB
Outer Diameter of Gas Pipe		1/4"	1/4"	1/4"	3/8"
Connection wire		3/8"	3/8"	1/2"	5/8"
Connection wire IU/OU ~220-240V/1/50Hz		5x1.5 mm²	5x1.5 mm²	5x1.5 mm²	5x2.5 mm²
Max. length of pipe		3x1.5 mm²	3x1.5 mm²	3x1.5 mm²	3x2.5 mm²
Max. elevation		25 m	25 m	30 m	50 m
Standard length		10 m	10 m	20 m	25 m
Additional refrigerant		5 m	5 m	5 m	5 m
Wall bracket distance (outdoor)		12 g/m	12 g/m	12 g/m	24 g/m
Working range		450 mm	450 mm	514 mm	540 mm
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

A++
COOLING
SEER 6.2

A+
HEATING
SCOP 4.0





IT WINS YOU OVER
with quality and price

Silence and peace while the youngest
and the sweetest ones are asleep at
perfect temperature in a pure space.

WALL SPLIT SYSTEM | DC inverter

Q-DESIGN R32

Model		ACP-09CH25AEQI R32	ACP-12CH35AEQI R32	ACP-18CH50AEQI R32	ACP-24CH70AEQI R32
Capacity	Cooling	2638(909~3400) W	3517(1114~4162) W	5280 (1820~6130) W	7030 (2670~7880) W
	Heating	2930 (820~3370) W	3810 (880~4220) 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	6.2	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)	25≤44 dB(A)	28≤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



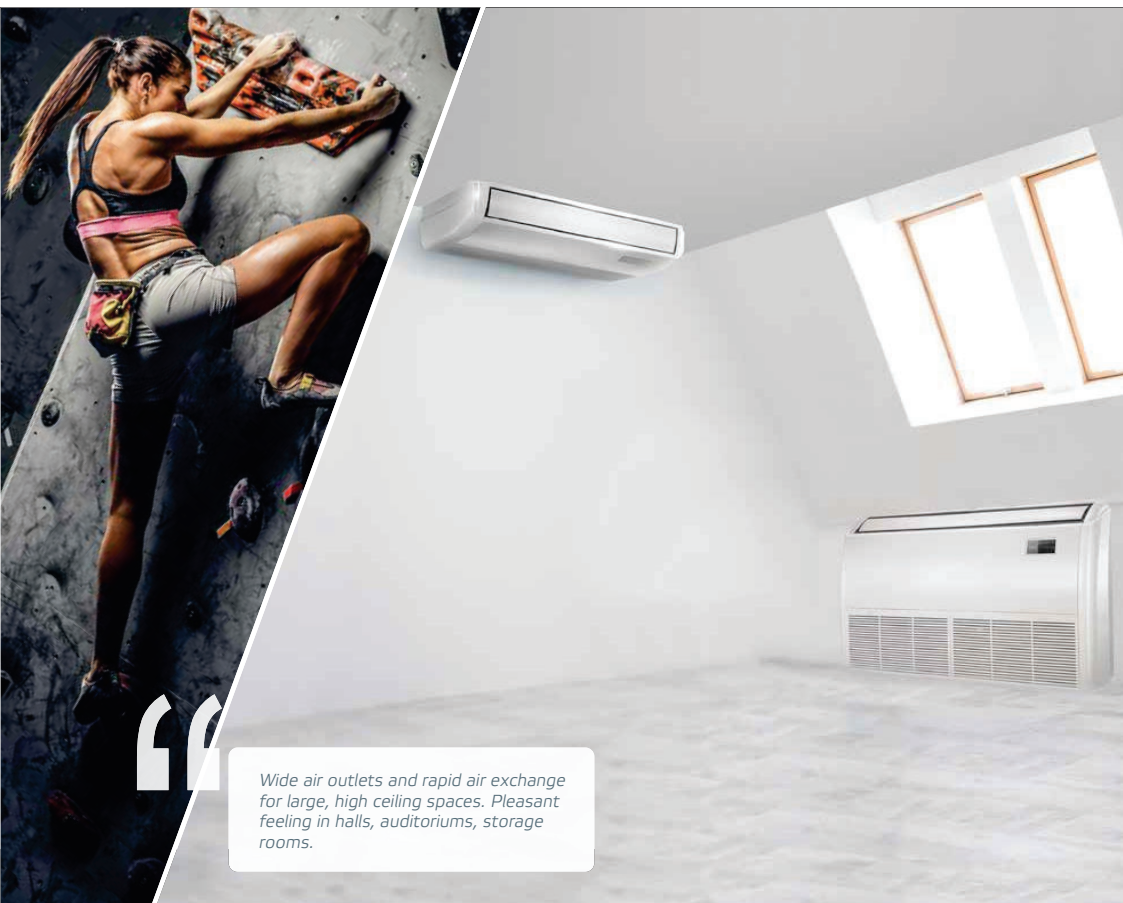


CONSOLE SPLIT SYSTEM | DC inverter

CT AERI

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	Cooling		
	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 OU	3*2.5 mm²	3*2.5 mm²
	Power supply IU	3*1.0 mm²	3*1.0 mm²
	Connection	2*0.2 mm²	2*0.2 mm²
Power supply		~220-240V/1/50Hz; Unut.jed.	
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	





Wide air outlets and rapid air exchange for large, high ceiling spaces. Pleasant feeling in halls, auditoriums, storage rooms.

FLOOR & CEILING SPLIT SYSTEM | DC inverter

CF AERI

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
Energy efficiency class	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	5.1	5.1	5.1	5.1	5.1
Design load for heating	(P design h)	4800 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; Indoor unit ~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	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
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
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
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	26.6kg	25.0 kg	40.3 kg	38.2 kg	40.5 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.





CASSETE SYSTEM | DC inverter

CC AERI

Model	ACP-12CC35AERI R32	ACP-18CC50AERI R32	ACP-24CC70AERI R32	ACP-36CC105AERI R32	ACP-48CC140AERI R32	ACP-55CC160AERI R32
Capacity	Cooling 3520 (620-4400) W Heating 4100 (620-5130) W	Cooling 5280 (1260-6150) W Heating 5570 (170-7030) W	Cooling 7030 (2230-8210) W Heating 7620 (2430-8650) W	Cooling 10550 (2640-12020) W Heating 11140 (290-13190) W	Cooling 14000 (4760-14580) W Heating 16100 (3930-16770) W	Cooling 15800 (5280-16710) W Heating 18200 (4400-19340) W
Refrigerant	R32	R32	R32	R32	R32	R32
Energy efficiency class	Cooling A++ Heating A+	Cooling A++ Heating A+	Cooling A++ Heating A+	Cooling A++ Heating A+	Cooling A++ Heating A+	Cooling A++ Heating A+
Energy Efficiency	SEER 6.1 SCOP 4.0	SEER 6.1 SCOP 4.0	SEER 6.1 SCOP 4.0	SEER 6.1 SCOP 4.0	SEER 6.1 SCOP 4.0	SEER 6.1 SCOP 4.0
Design load for heating	(P design h) 3600 W	4900 W	5900 W	10500 W	12200 W	12500 W
Input power	Cooling 960 W Heating 995 W	Cooling 1640 W Heating 1500 W	Cooling 2190 W Heating 2050 W	Cooling 3750 W Heating 2960 W	Cooling 5130 W Heating 5050 W	Cooling 5951 W Heating 6036 W
Airflow	≤650 m³/h	≤1036 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≤42 dB(A) Outdoor unit ≤57 dB(A)	Indoor unit 35.5≤46 dB(A) Outdoor unit ≤57 dB(A)	Indoor unit 40≤47 dB(A) Outdoor unit ≤62 dB(A)	Indoor unit 21≤52 dB(A) Outdoor unit ≤65 dB(A)	Indoor unit 49≤52 dB(A) Outdoor unit ≤66 dB(A)	Indoor unit 48≤53 dB(A) Outdoor unit ≤66 dB(A)
Sound power level	Indoor unit ≤57 dB Outdoor unit ≤60 dB	Indoor unit ≤57 dB Outdoor unit ≤60 dB	Indoor unit ≤59 dB Outdoor unit ≤66 dB	Indoor unit ≤61 dB Outdoor unit ≤72 dB	Indoor unit ≤65 dB Outdoor unit ≤72 dB	Indoor unit ≤65 dB Outdoor unit ≤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 (option) Power supply IU 3*1.0 mm² Connection -	3*2.5 mm² 3*1.0 mm² 2*0.2 mm²	3*2.5 mm² 3*1.0 mm² 2*0.2 mm²	3*2.5 mm² 3*1.0 mm² 2*0.2 mm²	5*2.5 mm² 3*1.0 mm² 2*0.2 mm²	5*2.5 mm² 3*1.0 mm² 2*0.2 mm²
Power supply	~220-240V/1/50Hz; Indoor and outdoor unit			~220-240V/1/50Hz; Indoor unit ~380-415 V, 50Hz; 3ph; Outdoor unit		
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	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	-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≤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 570 x 570 x 260 mm Panel 647 x 647 x 50 mm	Indoor unit 570 x 570 x 260 mm Panel 647 x 647 x 50 mm	Indoor unit 840 x 840 x 205 mm Panel 950 x 950 x 55 mm	Indoor unit 840 x 840 x 245 mm Panel 950 x 950 x 55 mm	Indoor unit 840 x 840 x 287 mm Panel 950 x 950 x 55 mm	Indoor unit 840 x 840 x 287 mm Panel 950 x 950 x 55 mm
Net weight	Indoor unit 16 kg Panel 2.5 kg	Indoor unit 16 kg Panel 2.5 kg	Indoor unit 23 kg Panel 5 kg	Indoor unit 27.5 kg Panel 5 kg	Indoor unit 29 kg Panel 5 kg	Indoor unit 29.7 kg Panel 5 kg
	Outdoor unit 34.5 kg	Outdoor unit 35.6 kg	Outdoor unit 66.8 kg	Outdoor unit 66.8 kg	Outdoor unit 106.7 kg	Outdoor unit 111.3 kg





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An ideal solution for discreet creation of atmosphere in elegant salons, passageways, shops and modern apartments.



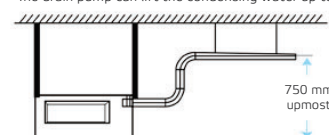
DUCT TYPE SYSTEM | DC inverter

DT AERI

Model	ACP-12DT36AERI R32	ACP-18DT50AERI R32	ACP-24DT70AERI R32	ACP-36DT105AERI R32	ACP-48DT140AERI R32	ACP-55DT160AERI R32
Capacity	Cooling 3520 (2550-4400) W Heating 3810 (620-4980) W	Cooling 5280 (2550-5690) W Heating 5860 (2200-6150) W	Cooling 7030 (1200-8210) W Heating 7620 (2430-8650) W	Cooling 10550 (2930-12020) W Heating 11130 (2640-13190) W	Cooling 14000 (4260-15200) W Heating 16100 (3700-18030) W	Cooling 15400 (5860-17290) W Heating 18200 (4690-20520) W
Refrigerant	R32	R32	R32	R32	R32	R32
Energy efficiency class	Cooling A++ Heating A+	Cooling A++ Heating A+	Cooling A++ Heating A+	Cooling A++ Heating A+	Cooling A++ Heating A+	Cooling A++ Heating A+
Energy Efficiency	SEER 6.1 SCOP 4.0	SEER 6.1 SCOP 4.0	SEER 6.1 SCOP 5.1	SEER 6.1 SCOP 5.1	SEER 6.1 SCOP 5.1	SEER 6.1 SCOP 5.1
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 Heating 1100 (350-2050) W	Cooling 1633 (710-1900) W Heating 1580 (740-1760) W	Cooling 2190 (480-2850) W Heating 2050 (500-2880) W	Cooling 4000 (902-4900) W Heating 3100 (800-4640) W	Cooling 5150 (1170-5699) W Heating 4280 (948-5824) W	Cooling 5423 (1274-6651) W Heating 5329 (1042-6034) W
Airflow	≤680 m³/h	≤880 m³/h	≤1248 m³/h	≤1400 m³/h	≤2400 m³/h	≤2600 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 26<42 dB (A) Outdoor unit ≤57 dB (A)	Indoor unit 33<41 dB (A) Outdoor unit ≤62 dB (A)	Indoor unit 38<42 dB (A) Outdoor unit ≤62 dB (A)	Indoor unit 40<47 dB (A) Outdoor unit ≤65 dB (A)	Indoor unit 48<51 dB (A) Outdoor unit ≤66 dB (A)	Indoor unit 51<54 dB (A) Outdoor unit ≤66 dB (A)
Sound power level	Indoor unit ≤54 dB Outdoor unit ≤60 dB	Indoor unit ≤59 dB Outdoor unit ≤63 dB	Indoor unit ≤62 dB Outdoor unit ≤66 dB	Indoor unit ≤63 dB Outdoor unit ≤68 dB	Indoor unit ≤68 dB Outdoor unit ≤72 dB	Indoor unit ≤71 dB Outdoor unit ≤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 Power supply IU 3*1.0 mm² Connection 2*0.2 mm²	Power supply OU 3*2.5 mm² Power supply IU 3*1.0 mm² Connection 2*0.2 mm²	Power supply OU 3*2.5 mm² Power supply IU 3*1.0 mm² Connection 2*0.2 mm²	Power supply OU 3*2.5 mm² Power supply IU 3*1.0 mm² Connection 2*0.2 mm²	Power supply OU 5*2.5 mm² Power supply IU 3*1.0 mm² Connection 2*0.2 mm²	Power supply OU 5*2.5 mm² Power supply IU 3*1.0 mm² Connection 2*0.2 mm²
Power supply	~220-240V/1/50Hz; Indoor and outdoor unit				~220-240V/1/50Hz; Indoor unit ~380-415V; 50Hz/3ph; Outdoor unit	
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	634 mm	634 mm
Working range	-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 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
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 635 x 210 mm Outdoor unit 800 x 333 x 554 mm	Indoor unit 880 x 674 x 210 mm Outdoor unit 800 x 333 x 554 mm	Indoor unit 1100 x 774 x 249 mm Outdoor unit 845 x 363 x 702 mm	Indoor unit 1360 x 774 x 249 mm Outdoor unit 946 x 410 x 810 mm	Indoor unit 1200 x 874 x 300 mm Outdoor unit 952 x 415 x 1333 mm	Indoor unit 1200 x 874 x 300 mm Outdoor unit 952 x 415 x 1333 mm
Net weight	Indoor unit 18.4 kg Outdoor unit 34.5 kg	Indoor unit 31.5 kg Outdoor unit 33.7 kg	Indoor unit 31.5 kg Outdoor unit 66.8 kg	Indoor unit 40.5 kg Outdoor unit 66.8 kg	Indoor unit 47.6 kg Outdoor unit 106.7 kg	Indoor unit 47.6 kg Outdoor unit 111.3 kg

BUILT IN DRAIN PUMP

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





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Portable air conditioner that does not need installment. Suitable for smaller spaces. It is easy to move and can be remote controlled.

PORTABLE AIR CONDITIONERS | *Fix Speed* AEH i AEF SERIES

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+
Energy Efficiency	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

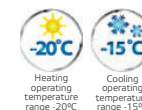


MULTI



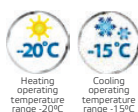
Multi split solutions and combinations where only one external unit can be connected up to 5 different indoor units. Choose the best shape and power of air conditioner for each room of your apartment or holiday home.

MULTI SPLIT SYSTEM | CH AERI | Wall mounted indoor units



Model		ACP-09CH-25AERI/2	ACP-12CH-35AERI/2	ACP-18CH-50AERI/2
Capacity	Cooling	2696 W	3517 W	5275 W
	Heating	2931 W	3810 W	5568 W
Refrigerant		R410A / R32	R410A / R32	R410A / R32
Airflow		≤520 m³/h	≤750 m³/h	≤1060 m³/h
Dehumidifying capacity		1.2 L/h	1.8 L/h	2.4 L/h
Sound pressure level	Indoor unit	20≤39.0 dB(A)	21≤38.0 dB(A)	23≤42.0 dB(A)
Sound power level	Indoor unit	≤53 dB	≤55 dB	≤57 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		4x1.0 mm²	4x1.0 mm²	4x1.0 mm²
Power supply		~220-240V/1/50Hz; outdoor unit		
Working range		-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
Working range at heating mode		-20°C≤T≤24°C	-20°C≤T≤24°C	-20°C≤T≤24°C
Net dimensions	Indoor unit	722×187×290 mm	802×189×297 mm	965×215×319 mm
Net weight	Indoor unit	7.4 kg	8.2 kg	10.7 kg

MULTI SPLIT SYSTEM | CTIFM AERI | *Floor mounted indoor units*

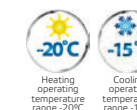


Model		ACP-12CTIFM35AERI	ACP-18CTIFM50AERI
Capacity	Cooling	3517 W	4800 W
	Heating	3517 W	5000 W
Refrigerant		R32	
Airflow		≤550 m³/h	590 m³/h
Sound pressure level	Indoor unit	35≤47 dB(A)	35≤48 dB(A)
Sound power level	Indoor unit	≤58 dB	
Outer Diameter of Liquid Pipe		1/4"	1/4"
Outer Diameter of Gas Pipe		3/8"	1/2"
Connection wire		4x1.0 mm²	
Power supply		~220-240V/1/50Hz; outdoor unit	
Working range		-20°C≤T≤50°C	
Working range at cooling mode		-15°C≤T≤50°C	
Working range at heating mode		-20°C≤T≤24°C	
Net dimensions	Indoor unit	700 × 600 × 210 mm	
Net weight	Indoor unit	15.0 kg	

MULTI SPLIT SYSTEM | CCIFM AERI | *Cassete indoor units*



Wired Controller



Model		ACP-09CCIFM25AERI	ACP-12CCIFM35AERI	ACP-18CCIFM50AERI
Capacity	Cooling	2638 W	3517 W	4982 W
	Heating	2931 W	4103 W	5568 W
Refrigerant		R410A / R32	R410A / R32	R410A / R32
Airflow		≤580 m³/h	≤650 m³/h	≤680 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)	34≤41 dB(A)	41≤44 dB(A)
Sound power level	Indoor unit	≤53 dB	≤58 dB	≤59 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		
Working range		-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
Working range at heating mode		-20°C≤T≤30°C	-20°C≤T≤30°C	-20°C≤T≤30°C
Net dimensions	Indoor unit	570×570×260 mm	570×570×260 mm	570×570×260 mm
Net weight	Indoor unit	14.7 kg	16 kg	16.1 kg
	Panel	2.5 kg	2.5 kg	2.5 kg

MULTI SPLIT SYSTEM | COFM AERI | *Outdoor units*



Model		ACP-18C0FM50AER R32	ACP-21C0FM60AER R32	ACP-27C0FM79AER R32	ACP-28C0FM80AER R32	ACP-36C0FM105AER R32	ACP-40C0FM123AER R32
Capacity	Cooling	5280 (2051~6863) W	6150 (1950~6830) W	7910 (2890~8500) W	8210 (2050~9850) W	10550 (2051~13720) W	12310 (2050~16000) W
	Heating	5570 (2345~7240) W	5570 (1450~6863) W	6990 (1990~8500) W	8790 (2340~10550) W	10550 (2340~13720) W	12310 (2050~16000) 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	6.1	6.5	6.1	7.0	6.5	6.6
	SCOP	4.0	4.0	4.0	4.0	4.0	3.8
Design load for heating	(P design) h	4.3	5.4	5.7	6.5	9.2	9.5
Maximum number of indoor units		2	3	3	4	4	5
Input power	Cooling	1630 W	1900 W	2450 W	2500 W	3517 W	3800 W
	Heating	1500 W	1770 W	2200 W	2400 W	2880 W	3300 W
Sound pressure level	Outdoor unit	≤56 dB(A)	≤57.5 dB(A)	≤60 dB(A)	≤61 dB(A)	≤63 dB(A)	≤62 dB(A)
Sound power level	Outdoor unit	≤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"	5x1/4"
Outer Diameter of Gas Pipe		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 mm ²	3*2.5 mm ²	3*2.5 mm ²	3*2.5 mm ²	3*2.5 mm ²	3*4.0mm ²
~220-240V/1/50Hz Outdoor unit							
Max. length of pipe		40 m	60 m	60 m	60 m	80 m	80 m
Max. elevation (OU above IU/OU below IU)		15 m	10 m	10 m	10 m	10 m	10 m
Standard length		15 m	22.5 m	22.5 m	30 m	30 m	37.5 m
Additional refrigerant		12 x (installation length to each IU - 15) g/m	12 x (installation length to each IU - 22.5) g/m	12 x (installation length to each IU - 22.5) g/m	12 x (installation length to each IU - 30) g/m	12 x (installation length to each IU - 30) g/m	12 x (installation length to each IU - 37.5) g/m
Wall bracket distance (outdoor)		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
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
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	Outdoor unit	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	Outdoor unit	35.9 kg	46.8 kg	51.1 kg	62.1 kg	68.8 kg	73.3 kg

MULTI SPLIT SYSTEMS | *Combinations*

		Cooling [xW]				Heating [xW]				
Unit		A	B	C	D	Total	A	B	C	D
ACP-18CFM50AER1 R32										
2-pipe system	1/7	2.25	2.25	-	-	4.50(1.28-5.39)	2.40	2.40	-	4.80(1.22-5.6)
	1/8	2.24	2.08	-	-	4.30(1.28-5.39)	2.34	2.08	-	5.00(1.21 - 6.1)
	1/10	2.23	1.92	-	-	4.15(1.28-5.39)	2.29	1.92	-	5.18(1.24-6.2)
	1/12	2.22	1.83	-	-	4.05(1.28-5.39)	2.24	1.83	-	5.32(1.24-6.4)
	1/14	2.22	1.73	-	-	3.95(1.23-5.41)	2.22	1.68	-	5.98(1.24-6.6)
	1/16	2.05	1.65	-	-	3.70(1.23-5.41)	2.18	1.78	-	5.97(1.24-6.6)
3-pipe system	1/7	2.47	2.39	-	-	4.86(1.28-5.98)	2.71	2.38	-	5.09(1.28-6.3)
	1/8	2.28	2.30	-	-	4.58(1.24-6.63)	2.50	2.37	-	5.08(1.24-6.6)
	1/12	2.16	2.16	-	-	4.32(1.23-5.98)	2.30	2.30	-	5.08(1.24-6.6)

Unit	Cooling [kW]				Heating [kW]			
	A	B	C	D Total	A	B	C	D Total
1-7	210	210	-	4200 (21-540)	250	250	-	500 (25-50)
8	208	204	-	4192 (20-536)	245	215	-	500 (25-50)
9-10	190	172	-	3800 (19-476)	170	170	-	340 (17-34)
11-16	176	54	-	3500 (18-432)	185	485	-	650 (17-51)
17-18	160	160	-	3200 (16-400)	180	180	-	360 (18-36)
19-21	257	43	-	6800 (26-514)	270	380	-	650 (17-51)
22-23	110	420	-	3500 (18-432)	220	440	-	660 (18-54)
24	110	110	-	2200 (11-220)	110	110	-	220 (11-22)

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

7-7	220	220	-	420	70-540	230	200	-	480	202-55
8-2	208	267	-	470	100-136	334	181	-	535	229-67
8-5	208	267	-	470	100-136	334	181	-	535	229-67
9-6	203	522	-	720	105-110	208	334	-	743	112-53
9-8	203	522	-	720	105-110	208	334	-	743	112-53
10-10	203	280	-	730	120-83	334	334	-	448	272-71
11-12	203	280	-	730	120-83	334	334	-	743	112-53
12-12	150	530	-	730	115-820	272	443	-	815	62-46
13-13	150	530	-	730	115-820	272	443	-	815	62-46
14-18	138	462	-	770	135-831	332	438	-	788	128-86
15-18	138	462	-	770	135-831	332	438	-	830	181-88
2-20	243	243	-	808	339-831	332	438	-	830	181-88
1-1/2-7	248	248	-	740	115-764	257	257	-	772	234-36
1-1/2-9	229	229	-	740	115-764	240	240	-	788	131-17
2-10-12	238	178	438	719	135-764	257	257	-	844	131-17
1-1/2-18	178	178	438	750	133-831	187	187	-	854	133-17
2-10-18	178	178	438	750	133-831	187	187	-	854	133-17

1973-74	1.82	3.07	3.07	- 7.90	3.34	-8.20	1.83	3.31	0.84	0.59	-8.78
1974-75	1.75	2.80	3.60	- 7.93	3.42	-8.40	1.80	3.20	0.55	0.53	-8.54
1975-76	2.04	2.94	3.90	- 7.99	3.32	-8.37	2.74	2.74	2.74	2.74	-8.54
1976-77	2.39	2.39	3.80	- 7.80	3.34	-8.20	2.51	2.51	2.51	2.51	-8.37
1977-78	2.32	2.32	3.90	- 8.20	3.44	-8.40	2.42	2.42	2.42	2.42	-8.54
1978-79	2.25	2.25	2.80	- 7.85	3.38	-8.37	2.28	2.28	2.28	2.28	-8.37
1979-80	2.18	2.18	2.80	- 7.85	3.38	-8.37	2.28	2.28	2.28	2.28	-8.37
1980-81	2.24	2.74	2.74	- 8.27	3.45	-8.40	2.98	2.98	2.98	2.98	-8.54



Casting [5x5]						Heating [5x5]					
Live	A	B	C	D	Total	A	B	C	D	Total	
ACP-28C0FM28AERI R32											
1+7	2.28	-	-	-	4,636 (5.5-5.8)	2.38	2.38	-	-	4,743 (5.5-5.8)	
2+7	2.37	-	-	-	4,743 (5.5-5.8)	2.47	2.47	-	-	4,849 (5.5-5.8)	
3+7	2.46	-	-	-	4,849 (5.5-5.8)	2.56	2.56	-	-	4,956 (5.5-5.8)	
4+7	2.55	-	-	-	4,956 (5.5-5.8)	2.65	2.65	-	-	5,062 (5.5-5.8)	
5+7	2.64	-	-	-	5,062 (5.5-5.8)	2.74	2.74	-	-	5,169 (5.5-5.8)	
6+7	2.73	-	-	-	5,169 (5.5-5.8)	2.83	2.83	-	-	5,275 (5.5-5.8)	
7+7	2.82	-	-	-	5,275 (5.5-5.8)	2.92	2.92	-	-	5,382 (5.5-5.8)	
8+7	2.91	-	-	-	5,382 (5.5-5.8)	3.01	3.01	-	-	5,488 (5.5-5.8)	
9+7	3.00	-	-	-	5,488 (5.5-5.8)	3.10	3.10	-	-	5,595 (5.5-5.8)	
10+7	3.09	-	-	-	5,595 (5.5-5.8)	3.19	3.19	-	-	5,701 (5.5-5.8)	
11+7	3.18	-	-	-	5,701 (5.5-5.8)	3.28	3.28	-	-	5,808 (5.5-5.8)	
12+7	3.27	-	-	-	5,808 (5.5-5.8)	3.37	3.37	-	-	5,914 (5.5-5.8)	
13+7	3.36	-	-	-	5,914 (5.5-5.8)	3.46	3.46	-	-	6,021 (5.5-5.8)	
14+7	3.45	-	-	-	6,021 (5.5-5.8)	3.55	3.55	-	-	6,127 (5.5-5.8)	
15+7	3.54	-	-	-	6,127 (5.5-5.8)	3.64	3.64	-	-	6,234 (5.5-5.8)	
16+7	3.63	-	-	-	6,234 (5.5-5.8)	3.73	3.73	-	-	6,340 (5.5-5.8)	
17+7	3.72	-	-	-	6,340 (5.5-5.8)	3.82	3.82	-	-	6,447 (5.5-5.8)	
18+7	3.81	-	-	-	6,447 (5.5-5.8)	3.91	3.91	-	-	6,553 (5.5-5.8)	
19+7	3.90	-	-	-	6,553 (5.5-5.8)	4.00	4.00	-	-	6,660 (5.5-5.8)	
20+7	3.99	-	-	-	6,660 (5.5-5.8)	4.09	4.09	-	-	6,766 (5.5-5.8)	
21+7	4.08	-	-	-	6,766 (5.5-5.8)	4.18	4.18	-	-	6,873 (5.5-5.8)	
22+7	4.17	-	-	-	6,873 (5.5-5.8)	4.27	4.27	-	-	6,979 (5.5-5.8)	
23+7	4.26	-	-	-	6,979 (5.5-5.8)	4.36	4.36	-	-	7,086 (5.5-5.8)	
24+7	4.35	-	-	-	7,086 (5.5-5.8)	4.45	4.45	-	-	7,192 (5.5-5.8)	
25+7	4.44	-	-	-	7,192 (5.5-5.8)	4.54	4.54	-	-	7,299 (5.5-5.8)	
26+7	4.53	-	-	-	7,299 (5.5-5.8)	4.63	4.63	-	-	7,405 (5.5-5.8)	
27+7	4.62	-	-	-	7,405 (5.5-5.8)	4.72	4.72	-	-	7,512 (5.5-5.8)	
28+7	4.71	-	-	-	7,512 (5.5-5.8)	4.81	4.81	-	-	7,618 (5.5-5.8)	
29+7	4.80	-	-	-	7,618 (5.5-5.8)	4.90	4.90	-	-	7,725 (5.5-5.8)	
30+7	4.89	-	-	-	7,725 (5.5-5.8)	4.99	4.99	-	-	7,831 (5.5-5.8)	
31+7	4.98	-	-	-	7,831 (5.5-5.8)	5.08	5.08	-	-	7,938 (5.5-5.8)	
32+7	5.07	-	-	-	7,938 (5.5-5.8)	5.17	5.17	-	-	8,044 (5.5-5.8)	
33+7	5.16	-	-	-	8,044 (5.5-5.8)	5.26	5.26	-	-	8,151 (5.5-5.8)	
34+7	5.25	-	-	-	8,151 (5.5-5.8)	5.35	5.35	-	-	8,257 (5.5-5.8)	
35+7	5.34	-	-	-	8,257 (5.5-5.8)	5.44	5.44	-	-	8,364 (5.5-5.8)	
36+7	5.43	-	-	-	8,364 (5.5-5.8)	5.53	5.53	-	-	8,471 (5.5-5.8)	
37+7	5.52	-	-	-	8,471 (5.5-5.8)	5.62	5.62	-	-	8,577 (5.5-5.8)	
38+7	5.61	-	-	-	8,577 (5.5-5.8)	5.71	5.71	-	-	8,684 (5.5-5.8)	
39+7	5.70	-	-	-	8,684 (5.5-5.8)	5.80	5.80	-	-	8,790 (5.5-5.8)	
40+7	5.79	-	-	-	8,790 (5.5-5.8)	5.89	5.89	-	-	8,897 (5.5-5.8)	
41+7	5.88	-	-	-	8,897 (5.5-5.8)	5.98	5.98	-	-	9,003 (5.5-5.8)	
42+7	5.97	-	-	-	9,003 (5.5-5.8)	6.07	6.07	-	-	9,110 (5.5-5.8)	
43+7	6.06	-	-	-	9,110 (5.5-5.8)	6.16	6.16	-	-	9,216 (5.5-5.8)	
44+7	6.15	-	-	-	9,216 (5.5-5.8)	6.25	6.25	-	-	9,323 (5.5-5.8)	
45+7	6.24	-	-	-	9,323 (5.5-5.8)	6.34	6.34	-	-	9,429 (5.5-5.8)	
46+7	6.33	-	-	-	9,429 (5.5-5.8)	6.43	6.43	-	-	9,536 (5.5-5.8)	
47+7	6.42	-	-	-	9,536 (5.5-5.8)	6.52	6.52	-	-	9,642 (5.5-5.8)	
48+7	6.51	-	-	-	9,642 (5.5-5.8)	6.61	6.61	-	-	9,749 (5.5-5.8)	
49+7	6.60	-	-	-	9,749 (5.5-5.8)	6.70	6.70	-	-	9,855 (5.5-5.8)	
50+7	6.69	-	-	-	9,855 (5.5-5.8)	6.79	6.79	-	-	9,962 (5.5-5.8)	
51+7	6.78	-	-	-	9,962 (5.5-5.8)	6.88	6.88	-	-	10,068 (5.5-5.8)	
52+7	6.87	-	-	-	10,068 (5.5-5.8)	6.97	6.97	-	-	10,175 (5.5-5.8)	
53+7	6.96	-	-	-	10,175 (5.5-5.8)	7.06	7.06	-	-	10,281 (5.5-5.8)	
54+7	7.05	-	-	-	10,281 (5.5-5.8)	7.15	7.15	-	-	10,388 (5.5-5.8)	
55+7	7.14	-	-	-	10,388 (5.5-5.8)	7.24	7.24	-	-	10,494 (5.5-5.8)	
56+7	7.23	-	-	-	10,494 (5.5-5.8)	7.33	7.33	-	-	10,601 (5.5-5.8)	
57+7	7.32	-	-	-	10,601 (5.5-5.8)	7.42	7.42	-	-	10,707 (5.5-5.8)	
58+7	7.41	-	-	-	10,707 (5.5-5.8)	7.51	7.51	-	-	10,814 (5.5-5.8)	
59+7	7.50	-	-	-	10,814 (5.5-5.8)	7.60	7.60	-	-	10,920 (5.5-5.8)	
60+7	7.59	-	-	-	10,920 (5.5-5.8)	7.69	7.69	-	-	11,027 (5.5-5.8)	
61+7	7.68	-	-	-	11,027 (5.5-5.8)	7.78	7.78	-	-	11,133 (5.5-5.8)	
62+7	7.77	-	-	-	11,133 (5.5-5.8)	7.87	7.87	-	-	11,240 (5.5-5.8)	
63+7	7.86	-	-	-	11,240 (5.5-5.8)	7.96	7.96	-	-	11,346 (5.5-5.8)	
64+7	7.95	-	-	-	11,346 (5.5-5.8)	8.05	8.05	-	-	11,453 (5.5-5.8)	
65+7	8.04	-	-	-	11,453 (5.5-5.8)	8.14	8.14	-	-	11,559 (5.5-5.8)	
66+7	8.13	-	-	-	11,559 (5.5-5.8)	8.23	8.23	-	-	11,666 (5.5-5.8)	
67+7	8.22	-	-	-	11,666 (5.5-5.8)	8.32	8.32	-	-	11,772 (5.5-5.8)	
68+7	8.31	-	-	-	11,772 (5.5-5.8)	8.41	8.41	-	-	11,879 (5.5-5.8)	
69+7	8.40	-	-	-	11,879 (5.5-5.8)	8.50	8.50	-	-	11,985 (5.5-5.8)	
70+7	8.49	-	-	-	11,985 (5.5-5.8)	8.59	8.59	-	-	12,092 (5.5-5.8)	
71+7	8.58	-	-	-	12,092 (5.5-5.8)	8.68	8.68	-	-	12,198 (5.5-5.8)	
72+7	8.67	-	-	-	12,198 (5.5-5.8)	8.77	8.77	-	-	12,305 (5.5-5.8)	
73+7	8.76	-	-	-	12,305 (5.5-5.8)	8.86	8.86	-	-	12,411 (5.5-5.8)	
74+7	8.85	-	-	-	12,411 (5.5-5.8)	8.95	8.95	-	-	12,518 (5.5-5.8)	
75+7	8.94	-	-	-	12,518 (5.5-5.8)	9.04	9.04	-	-	12,624 (5.5-5.8)	
76+7	9.03	-	-	-	12,624 (5.5-5.8)	9.13	9.13	-	-	12,731 (5.5-5.8)	
77+7	9.12	-	-	-	12,731 (5.5-5.8)	9.22	9.22	-	-	12,837 (5.5-5.8)	
78+7	9.21	-	-	-	12,837 (5.5-5.8)	9.31	9.31	-	-	12,944 (5.5-5.8)	
79+7	9.30	-	-	-	12,944 (5.5-5.8)	9.40	9.40	-	-	13,050 (5.5-5.8)	
80+7	9.39	-	-	-	13,050 (5.5-5.8)	9.49	9.49	-	-	13,157 (5.5-5.8)	
81+7	9.48	-	-	-	13,157 (5.5-5.8)	9.58	9.58	-	-	13,263 (5.5-5.8)	
82+7	9.57	-	-	-	13,263 (5.5-5.8)	9.67	9.67	-	-	13,370 (5.5-5.8)	
83+7	9.66	-	-	-	13,370 (5.5-5.8)	9.76	9.76	-	-	13,476 (5.5-5.8)	
84+7	9.75	-	-	-	13,476 (5.5-5.8)	9.85	9.85	-	-	13,583 (5.5-5.8)	
85+7	9.84	-	-	-	13,583 (5.5-5.8)	9.94	9.94	-	-	13,689 (5.5-5.8)	
86+7	9.93	-	-	-	13,689 (5.5-5.8)	10.03	10.03	-	-	13,796 (5.5-5.8)	
87+7	10.02	-	-	-	13,796 (5.5-5.8)	10.12	10.12	-	-	13,902 (5.5-5.8)	
88+7	10.11	-	-	-	13,902 (5.5-5.8)	10.21	10.21	-	-	14,009 (5.5-5.8)	
89+7	10.20	-	-	-	14,009 (5.5-5.8)	10.30	10.30	-	-	14,115 (5.5-5.8)	
90+7	10.29	-	-	-	14,115 (5.5-5.8)	10.39	10.39	-	-	14,222 (5.5-5.8)	
91+7	10.38	-	-	-	14,222 (5.5-5.8)	10.48	10.48	-	-	14,328 (5.5-5.8)	
92+7	10.47	-	-	-	14,328 (5.5-5.8)	10.57	10.57	-	-	14,435 (5.5-5.8)	
93+7	10.56	-	-	-	14,435 (5.5-5.8)	10.66	10.66	-	-	14,541 (5.5-5.8)	
94+7	10.65	-	-	-	14,541 (5.5-5.8)	10.75	10.75	-	-	14,648 (5.5-5.8)	
95+7	10.74	-	-	-	14,648 (5.5-5.8)	10.84	10.84	-	-	14,754 (5.5-5.8)	
96+7	10.83	-	-	-	14,754 (5.5-5.8)	10.93	10.93	-	-	14,861 (5.5-5.8)	
97+7	10.92	-	-	-	14,861 (5.5-5.8)	11.02	11.02	-	-	14,967 (5.5-5.8)	
98+7	11.01	-	-	-	14,967 (5.5-5.8)	11.11	11.11	-	-	15,074 (5.5-5.8)	
99+7	11.10	-	-	-	15,074 (5.5-5.8)	11.20	11.20	-	-	15,180 (5.5-5.8)	
100+7	11.19	-	-	-	15,180 (5.5-5.8)	11.29	11.29	-	-	15,287 (5.5-5.8)	

3 indoor units	1-1-1	2.10	2.30	2.60	3.20	3.80	4.50	5.20	6.00	6.80	7.80	8.80	9.80	10.80	11.80	12.80	13.80	14.80	15.80	16.80	17.80	18.80	19.80	20.80	21.80	22.80	23.80	24.80	25.80	26.80	27.80	28.80	29.80	30.80	31.80	32.80	33.80	34.80	35.80	36.80	37.80	38.80	39.80	40.80	41.80	42.80	43.80	44.80	45.80	46.80	47.80	48.80	49.80	50.80	51.80	52.80	53.80	54.80	55.80	56.80	57.80	58.80	59.80	60.80	61.80	62.80	63.80	64.80	65.80	66.80	67.80	68.80	69.80	70.80	71.80	72.80	73.80	74.80	75.80	76.80	77.80	78.80	79.80	80.80	81.80	82.80	83.80	84.80	85.80	86.80	87.80	88.80	89.80	90.80	91.80	92.80	93.80	94.80	95.80	96.80	97.80	98.80	99.80	100.80	101.80	102.80	103.80	104.80	105.80	106.80	107.80	108.80	109.80	110.80	111.80	112.80	113.80	114.80	115.80	116.80	117.80	118.80	119.80	120.80	121.80	122.80	123.80	124.80	125.80	126.80	127.80	128.80	129.80	130.80	131.80	132.80	133.80	134.80	135.80	136.80	137.80	138.80	139.80	140.80	141.80	142.80	143.80	144.80	145.80	146.80	147.80	148.80	149.80	150.80	151.80	152.80	153.80	154.80	155.80	156.80	157.80	158.80	159.80	160.80	161.80	162.80	163.80	164.80	165.80	166.80	167.80	168.80	169.80	170.80	171.80	172.80	173.80	174.80	175.80	176.80	177.80	178.80	179.80	180.80	181.80	182.80	183.80	184.80	185.80	186.80	187.80	188.80	189.80	190.80	191.80	192.80	193.80	194.80	195.80	196.80	197.80	198.80	199.80	200.80	201.80	202.80	203.80	204.80	205.80	206.80	207.80	208.80	209.80	210.80	211.80	212.80	213.80	214.80	215.80	216.80	217.80	218.80	219.80	220.80	221.80	222.80	223.80	224.80	225.80	226.80	227.80	228.80	229.80	230.80	231.80	232.80	233.80	234.80	235.80	236.80	237.80	238.80	239.80	240.80	241.80	242.80	243.80	244.80	245.80	246.80	247.80	248.80	249.80	250.80	251.80	252.80	253.80	254.80	255.80	256.80	257.80	258.80	259.80	260.80	261.80	262.80	263.80	264.80	265.80	266.80	267.80	268.80	269.80	270.80	271.80	272.80	273.80	274.80	275.80	276.80	277.80	278.80	279.80	280.80	281.80	282.80	283.80	284.80	285.80	286.80	287.80	288.80	289.80	290.80	291.80	292.80	293.80	294.80	295.80	296.80	297.80	298.80	299.80	300.80	301.80	302.80	303.80	304.80	305.80	306.80	307.80	308.80	309.80	310.80	311.80	312.80	313.80	314.80	315.80	316.80	317.80	318.80	319.80	320.80	321.80	322.80	323.80	324.80	325.80	326.80	327.80	328.80	329.80	330.80	331.80	332.80	333.80	334.80	335.80	336.80	337.80	338.80	339.80	340.80	341.80	342.80	343.80	344.80	345.80	346.80	347.80	348.80	349.80	350.80	351.80	352.80	353.80	354.80	355.80	356.80	357.80	358.80	359.80	360.80	361.80	362.80	363.80	364.80	365.80	366.80	367.80	368.80	369.80	370.80	371.80	372.80	373.80	374.80	375.80	376.80	377.80	378.80	379.80	380.80	381.80	382.80	383.80	384.80	385.80	386.80	387.80	388.80	389.80	390.80	391.80	392.80	393.80	394.80	395.80	396.80	397.80	398.80	399.80	400.80	401.80	402.80	403.80	404.80	405.80	406.80	407.80	408.80	409.80	410.80	411.80	412.80	413.80	414.80	415.80	416.80	417.80	418.80	419.80	420.80	421.80	422.80	423.80	424.80	425.80	426.80	427.80	428.80	429.80	430.80	431.80	432.80	433.80	434.80	435.80	436.80	437.80	438.80	439.80	440.80	441.80	442.80	443.80	444.80	445.80	446.80	447.80	448.80	449.80	450.80	451.80	452.80	453.80	454.80	455.80	456.80	457.80	458.80	459.80	460.80	461.80	462.80	463.80	464.80	465.80	466.80	467.80	468.80	469.80	470.80	471.80	472.80	473.80	474.80	475.80	476.80	477.80	478.80	479.80	480.80	481.80	482.80	483.80	484.80	485.80	486.80	487.80	488.80	489.80	490.80	491.80	492.80	493.80	494.80	495.80	496.80	497.80	498.80	499.80	500.80	501.80	502.80	503.80	504.80	505.80	506.80	507.80	508.80	509.80	510.80	511.80	512.80	513.80	514.80	515.80	516.80	517.80	518.80	519.80	520.80	521.80	522.80	523.80	524.80	525.80	526.80	527.80	528.80	529.80	530.80	531.80	532.80	533.80	534.80	535.80	536.80	537.80	538.80	539.80	540.80	541.80	542.80	543.80	544.80	545.80	546.80	547.80	548.80	549.80	550.80	551.80	552.80	553.80	554.80	555.80	556.80	557.80	558.80	559.80	560.80	561.80	562.80	563.80	564.80	565.80	566.80	567.80	568.80	569.80	570.80	571.80	572.80	573.80	574.80	575.80	576.80	577.80	578.80	579.80	580.80	581.80	582.80	583.80	584.80	585.80	586.80	587.80	588.80	589.80	590.80	591.80	592.80	593.80	594.80	595.80	596.80	597.80	598.80	599.80	600.80	601.80	602.80	603.80	604.80	605.80	606.80	607.80	608.80	609.80	610.80	611.80	612.80	613.80	614.80	615.80	616.80	617.80	618.80	619.80	620.80	621.80	622.80	623.80	624.80	625.80	626.80	627.80	628.80	629.80	630.80	631.80	632.80	633.80	634.80	635.80	636.80	637.80	638.80	639.80	640.80	641.80	642.80	643.80	644.80	645.80	646.80	647.80	648.80	649.80	650.80	651.80	652.80	653.80	654.80	655.80	656.80	657.80	658.80	659.80	660.80	661.80	662.80	663.80	664.80	665.80	666.80	667.80	668.80	669.80	670.80	671.80	672.80	673.80	674.80	675.80	676.80	677.80	678.80	679.80	680.80	681.80	682.80	683.80	684.80	685.80	686.80	687.80	688.80	689.80	690.80	691.80	692.80	693.80	694.80	695.80	696.80	697.80	698.80	699.80	700.80	701.80	702.80	703.80	704.80	705.80	706.80	707.80	708.80	709.80	710.80	711.80	712.80	713.80	714.80	715.80	716.80	717.80	718.80	719.80	720.80	721.80	722.80	723.80	724.80	725.80	726.80	727.80	728.80	729.80	730.80	731.80	732.80	733.80	734.80	735.80	736.80	737.80	738.80	739.80	740.80	741.80	742.80	743.80	744.80	745.80	746.80	747.80	748.80	749.80	750.80	751.80	752.80	753.80	754.80	755.80	756.80	757.80	758.80	759.80	760.80	761.80	762.80	763.80	764.80	765.80	766.80	767.80	768.80	769.80	770.80	771.80	772.80	773.80	774.80	775.80	776.80	777.80	778.80	779.80	780.80	781.80	782.80	783.80	784.80	785.80	786.80	787.80	788.80	789.80	790.80	791.80	792.80	793.80	794.80	795.80	796.80	797.80	798.80	799.80	800.80	801.80	802.80	803.80	804.80	805.80	806.80	807.80	808.80	809.80	810.80	811.80	812.80	813.80	814.80	815.80	816.80	817.80	818.80	819.80	820.80	821.80	822.80	823.80	824.80	825.80	826.80	827.80	828.80	829.80	830.80	831.80	832.80	833.80	834.80	835.80	836.80	837.80	838.80	839.80	840.80	841.80	842.80	843.80	844.80	845.80	846.80	847.80	848.80	849.80	850.80	851.80	852.80	853.80	854.80	855.80	856.80	857.80	858.80	859.80	860.80	861.80	862.80	863.80	864.80	865.80	866.80	867.80	868.80	869.80	870.80	871.80	872.80	873.80	874.80	875.80	876.80	877.80	878.80	879.80	880.80	881.80	882.80	883.80	884.80	885.80	886.80	887.80	888.80	889.80	890.80	891.80	892.80	893.80	894.80	895.80	896.80	897.80	898.80	899.80	900.80	901.80	902.80	903.80	904.80	905.80	906.80	907.80	908.80	909.80	910.80	911.80	912.80	913.80	914.80	915.80	916.80	917.80	918.80	919.80	920.80	921.80	922.80	923.80	924.80	925.80	926.80	927.80	928.80	929.80	930.80	931.80	932.80	933.80	934.80	935.80	936.80	937.80	938.80	939.80	940.80	941.80	942.80	943.80	944.80	945.80	946.80	947.80	948.80	949.80	950.80	951.80	952.80	953.80	954.80	955.80	956.80	957.80	958.80	959.80	960.80	961.80	962.80	963.80	964.80	965.80	966.80	967.80	968.80	969.80	970.80	971.80	972.80	973.80	974.80	975.80	976.80	977.80	978.80	979.80	980.80	981.80	982.80	983.80	984.80	985.80	986.80	987.80	988.80	989.80	990.80	991.80	992.80	993.80	994.80	995.80	996.80	997.80	998.80	999.80	1000.80	1001.80	1002.80	1003.80	1004.80	1005.80	1006.80	1007.80	1008.80	1009.80	1010.80	1011.80	1012.80	1013.80	1014.80	1015.80	1016.80	1017.80	1018.80	1019.80	1020.80	1021.80	1022.80	1023.80	1024.80	1025.80	1026.80	1027.80	1028.80	1029.80	1030.80	1031.80	1032.80	1033.80	1034.80	1035.80	1036.80	1037.80	1038.80	1039.80	1040.80	1041.80	1042.80	1043.80	1044.80	1045.80	1046.80	1047.80	1048.80	1049.80	1050.80	1051.80	1052.80	1053.80	1054.80	1055.80	1056.80	1057.80	1058.80	1059.80	1060.80	1061.80	1062.80	1063.80	1064.80	1065.80	1066.80	1067.80	1068.80	1069.80	1070.80	1071.80	1072.80	1073.80	1074.80	1075.80	1076.80	1077.80	1078.80	1079.80	1080.80	1081.80	1082.80	1083.80	1084.80	1085.80	1086.80	1087.80	1088.80	1089.80	1090.80	1091.80	1092.80	1093.80	1094.80	1095.80	1096.80	1097.80	1098.80	1099.80	1100.80	1101.80	1102.80	1103.80	1104.80	1105.80	1106.80	1107.80	1108.80	1109.80	1110.80	1111.80	1112.80	1113.80	1114.80	1115.80	1116.80	1117.80	1118.80	1119.80	1120.80</
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[illegible]

AC-36COFM105AERI R32													
7-7	238	208	-	-	4.16	7.51	5.03	238	236	-	-	4.70	(2.24)
7-8	237	237	-	-	5.46	23.5	5.55	253	241	-	-	6.04	(2.54)
7-9	239	239	-	-	5.46	23.5	5.55	253	241	-	-	6.04	(2.54)
7-10	198	234	-	-	7.22	22	6.74	237	236	-	-	8.05	(3.03)
7-11	239	232	-	-	5.84	22	5.77	237	237	-	-	6.34	(2.66)
7-12	252	232	-	-	5.84	22	5.77	237	237	-	-	6.34	(2.66)
7-13	268	247	-	-	8.15	34	8.85	290	252	-	-	8.92	(3.17)
7-14	3.3	3.34	-	-	8.92	34	8.85	291	261	-	-	7.21	(2.63)
7-15	268	247	-	-	8.15	34	8.85	290	252	-	-	8.92	(3.17)
7-16	268	247	-	-	8.15	34	8.85	290	252	-	-	8.92	(3.17)
7-17	590	450	-	-	10.13	47.1	12.71	535	535	-	-	11.1	(4.66)
7-18	239	239	198	-	6.28	23.5	7.4	238	198	-	-	6.84	(8.81)

[illegible][illegible]

9-9-12-12	2,50	2,50	2,50	5,00	-	121	13,75	-11,8	2,85	2,85	2,85	4,70	-	12,89	8,66	4,13
9-9-12-12	3,50	2,50	3,50	3,50	-	121	14,4	-11,8	2,75	2,75	2,75	3,50	3,50	-	12,1	8,75
9-9-12-18	2,50	2,50	3,50	4,50	-	121	8,08	-12,1	2,80	2,80	2,80	4,40	4,70	-	11,3	12,1
9-12-12-11	2,12	2,80	2,83	2,83	-	102,85	8,08	-12,1	3,60	3,50	3,50	3,50	-	-	13,1	11,47
9-12-12-12	2,50	3,50	3,50	4,50	-	134	9,26	-12,1	2,50	3,40	3,40	3,40	-	-	13,9	7,7
10-12-12-12	1,30	3,50	3,50	3,50	-	132	8,08	-12,1	3,40	3,40	3,40	3,40	-	-	13,8	10,86
10-12-12-18	3,10	3,10	3,10	4,10	-	134	8,26	-12,1	3,30	3,30	3,30	4,10	-	-	14,2	10,73

Casting [ms]						Finishing [ms]						
Unit	A	B	C	D	E	Total	A	B	C	D	E	Total
7/1	2:00	2:00	—	—	—	4:00	2:40	2:40	—	—	—	5:20
7/2	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/3	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/4	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/5	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/6	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/7	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/8	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/9	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/10	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/11	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/12	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/13	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/14	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/15	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/16	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/17	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/18	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/19	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/20	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/21	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/22	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/23	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/24	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/25	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/26	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/27	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/28	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/29	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/30	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/31	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/32	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/33	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/34	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/35	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/36	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/37	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/38	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/39	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/40	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/41	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/42	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/43	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/44	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/45	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/46	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/47	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/48	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/49	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/50	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/51	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/52	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/53	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/54	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/55	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/56	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/57	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/58	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/59	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/60	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/61	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/62	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/63	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/64	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/65	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/66	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/67	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/68	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/69	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/70	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/71	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/72	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/73	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/74	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/75	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/76	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/77	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/78	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/79	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/80	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/81	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/82	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/83	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/84	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/85	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/86	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/87	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/88	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/89	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/90	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/91	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/92	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/93	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/94	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/95	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/96	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/97	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/98	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/99	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20
7/100	1:54	1:54	—	—	—	3:48	2:40	2:40	—	—	—	5:20

1967	2.00	2.00	6.00	5.25	7.00	2.25	2.25	7.00	2.00	6.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
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1971-72	2.00	2.00	2.00	2.00	8.00	13.00	8.20	2.25	2.25	2.25	9.00	13.70-13.30
1972-73	2.27	2.27	2.27	2.26	9.76	14.50	13.20	2.19	2.19	2.19	2.84	9.40-13.07-71
1973-74	2.53	2.53	2.53	2.53	10.52	15.00	13.70	2.19	2.19	2.19	3.41	10.10-13.07-71
1974-75	1.88	1.88	1.87	1.87	10.00	14.00	12.30	1.99	1.99	1.99	3.27	11.23-14.17-71
1975-76	1.99	1.99	2.04	2.04	10.00	14.20	13.17	2.13	2.13	2.17	2.77	9.87-14.12-13-71
1976-77	1.99	1.99	2.13	2.13	10.00	13.30	12.37	2.13	2.13	2.13	3.27	10.10-13.07-71
1977-78	1.98	1.98	2.40	2.43	11.07	14.00	13.00	1.98	1.98	2.54	3.18	11.83-14.00-13-78
1978-79	1.99	1.99	2.40	2.40	11.07	14.00	13.00	2.13	2.13	2.13	3.27	10.10-13.07-71
1979-80	1.98	1.98	2.80	2.80	11.54	14.00	13.30	1.93	1.93	3.08	3.11	12.04-15.05-14-80
1979-80	1.75	1.75	4.03	4.03	12.77	13.50	13.40	1.87	1.87	4.79	3.20	12.04-15.04-14-80
1980-81	1.75	1.75	2.75	2.75	10.00	14.00	13.37	2.17	2.17	2.71	2.71	12.07-14.09-13-81
1981-82	1.90	1.90	2.47	3.04	9.89	14.10	13.50	2.08	2.08	2.88	3.27	10.62-14.00-12-83
1982-83	1.90	1.90	2.47	3.04	10.00	14.00	13.30	2.13	2.13	2.13	3.27	10.10-13.07-71
1983-84	1.98	1.98	2.40	3.07	10.00	14.00	13.30	2.13	2.13	2.13	3.27	10.10-13.07-71
1984-85	1.98	1.98	2.40	3.07	10.36	14.20	13.80	2.07	2.07	3.27	3.27	10.25-14.03-14-85

7-12-15-18	1.80	2.88	4.70	7.8	12.32	15.36	18.88	2.98	4.93	12.75	15.36	14.54
8-12-15-18	2.40	2.40	2.40	2.40	8.69	10.88	13.11	2.98	4.93	12.75	15.36	14.54
9-12-15-18	2.45	2.45	2.45	2.45	8.69	10.88	13.11	2.98	4.93	12.75	15.36	14.54
9-9-18-18	2.38	2.38	2.38	2.48	10.32	10.36	13.78	2.47	4.47	5.04	12.25	12.33
9-9-18-18	2.38	2.38	2.38	2.48	10.32	10.36	13.78	2.47	4.47	5.04	12.25	12.33
9-9-18-18	2.34	2.34	2.34	2.48	12.32	12.32	13.78	2.42	2.42	3.88	12.75	15.36
9-12-12-12	2.45	2.45	2.45	2.57	11.31	11.49	13.88	2.98	4.93	12.75	15.36	14.54
10-12-12-12	2.38	2.38	2.38	2.48	10.32	10.36	13.78	2.47	4.47	5.04	12.25	12.33
12-12-12-12	2.98	2.98	2.98	2.98	11.79	14.98	13.51	3.08	3.08	3.08	12.245	14.127
12-12-12-18	2.77	2.77	2.77	4.58	12.05	14.98	14.38	2.87	2.87	4.75	13.15	16.89
12-12-12-18	2.11	2.11	2.11	2.11	16.66	16.44	16.81	2.17	2.17	2.17	16.84	15.81
12-12-12-18	2.07	2.07	2.07	2.07	2.88	10.97	14.26	2.10	2.10	2.75	13.16	12.57
12-12-12-18	2.02	2.02	2.02	2.02	2.88	10.97	14.26	2.10	2.10	2.75	13.16	12.57
12-12-12-18	1.88	1.88	1.88	1.88	12.97	12.48	12.34	1.88	1.88	1.88	5.04	12.54
12-12-12-18	1.88	1.88	1.88	1.88	12.97	12.48	12.34	1.88	1.88	1.88	5.04	12.54

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We reserve the right of eventual printing errors.

VIVA

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NEW HEAT PUMPS

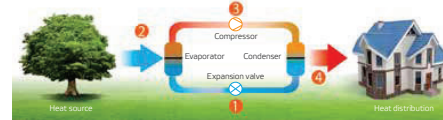


Total solution for heating, cooling and domestic hot water

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 hot water.



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	
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 (indoor)
Water piping	Between hydronic box and indoor heating appliances
Installation	Refrigerant piping and water piping
Combinational parts (if 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.

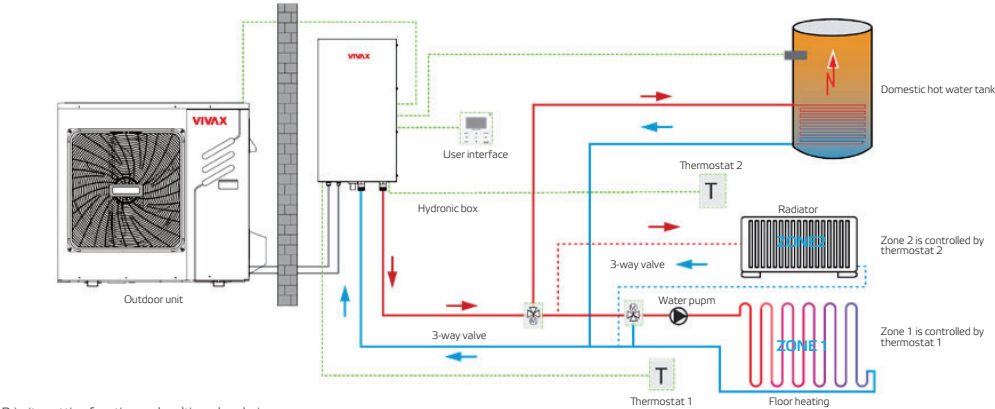
Hydronic box The hydronic box heats the water by refrigerant from outdoor unit. The heated water circulates through heating apparatus such as floor heating, radiators, fan coil units as well as inner coil of domestic hot water tank.

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



Note:
1. Only when the immersion heater of tank is available can the disinfection mode be used.

User interface

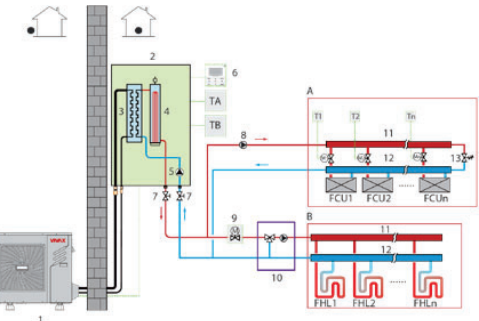
Newly designed touch-key wired controller
Check running parameters in real time
Communication wire length up to 50m
Built-in temperature sensor
Built-in wifi module (For R32 series)
Multiple languages (For R32 series)
Modbus protocol and network flexibility



Total heat solution | Typical applications

Take an example as R32 Split combine with SMK

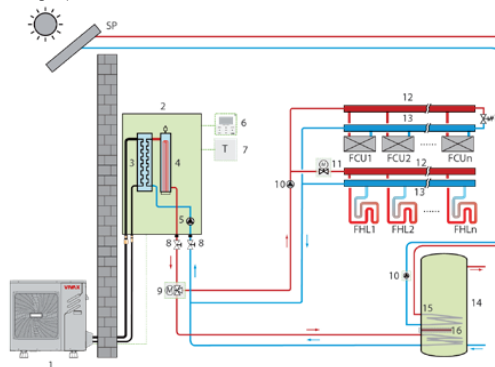
Application 1: Space Heating Through Floor Heating Loops and Fan Coil Units
The floor heating loops and fan coil units require different operating water temperatures. To achieve these two set points, a mixing station is required. Room thermostats for each zone are optional.



- 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

R410A - Outdoor unit

Model			HPS-41CH120AER/UO3	HPS-48CH140AER/UO3	HPS-53CH155AER/UO3
Power supply			12.00 kW	14.00 kW	15.50 kW
Heating ²	Capacity		2.66 kW	3.26 kW	3.79 kW
	Rated input		4.51	4.29	4.09
Heating ³	Capacity		11.97 kW	13.93 kW	15.48 kW
	Rated input		3.42	3.31	3.18
Cooling ⁴	Capacity		12.00 kW	13.50 kW	14.50 kW
	Rated input		2.80 kW	3.45 kW	3.94 kW
Cooling ⁵	Capacity		11.70 kW	12.53 kW	12.91 kW
	Rated input		4.65 kW	5.21 kW	5.52 kW
Seasonal space heating energy efficiency class ⁶	EER		2.52	2.40	2.34
	LWT at 35 °C			A+++	A++
Sound power level	LWT at 55 °C				
			70 dB		72 dB
Net dimensions (W x H x D)				900 x 1327 x 400 mm	
Packed dimensions (W x H x D)				1030 x 1457 x 435 mm	
Net / Gross weight				115 / 126 kg	
Compressor	Type			Twin-rotary inverter	
	Type			Brushless DC motor	
Outdoor fan	Flow			6500 m³/h	
	Air side heat exchanger				
Piping connections	Liquid	Type		Flaring	
		Dia.(OD)		Φ 9.5 mm	
	Gas	Type		Flaring	
		Dia.(OD)		Φ 15.9 mm	
Refrigerant	Installation height difference			30 m	
	Type			25 m	
Throttle type	Operating temperature range			R410A	
	Charged volume			4.2 kg	
Operating temperature range	Cooling			Electric expansion valve	
	Heating			-5 to 46 °C	
	DHW			-20 to 35 °C	
				-20 to 43 °C	

Notes:
1. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02-2014.
2. Outdoor air temperature 7 °C DB, 85% R.H.; EWT 30 °C, LWT 35 °C.
3. Outdoor air temperature 7 °C DB, 85% R.H.; EWT 40 °C, LWT 45 °C.
4. Outdoor air temperature 35 °C DB, EWT 23 °C, LWT 18 °C.
5. Outdoor air temperature 35 °C DB; EWT 12 °C, LWT 7 °C.
6. Seasonal space heating energy efficiency class tested in average climate conditions.

Abbreviations:
DWH: Domestic hot water

R410A Hydronic box - Indoor unit

Model			HPS-120H155AER/R3
Function			Heating and cooling
LWT range	Space heating	Low	25 to 55 °C
	Space heating	High	35 to 60 °C
	Space cooling	Low	5 to 25 °C
	DHW	High	18 to 25 °C
Power supply			380-415 V / 1 Ph / 50 Hz
Sound power level			45 dB
Dimension (W x H x D)			400 x 865 x 427 mm
Packing (W x H x D)			495 x 1040 x 495 mm
Net / gross weight			53 / 59 kg
Water circuit	Piping connections		DN25
	Safety valve set pressure		0.3 MPa
	Total water volume		5.5 L
	Drainage pipe		Φ 16 mm
Refrigerant circuit	Expansion tank	Volume	5 L
		Max. water pressure	0.8 MPa
	Water side heat exchanger	The pressure	0.15 MPa
		Type	1 L
Backup electric heater	Water pump head		7.5 m
	Liquid side		Φ 9.5 mm
	Gas side		Φ 19.9 mm
	Size		4.5 kW
Throttle type	Step		2
	Power supply		380-415 V / 3 Ph / 50 Hz

Abbreviations:
DWH: Domestic hot water
LWT: Leaving water temperature

R32 - Outdoor unit

Model			HPS-22CH65AER/UO	HPS-28CH84AER/UO	HPS-34CH100AER/UO
Power supply			Without water tank	Without water tank	Without water tank
Heating ¹	Capacity		6.5 kW	8.4 kW	10 kW
	Rated input		1.34 kW	1.73 kW	2.15 kW
Heating ²	Capacity		4.85	4.85	4.65
	Rated input		6.35 kW	8.05 kW	9.85 kW
Heating ³	Capacity		3.64	3.73	3.62
	Rated input		5.75 kW	7.5 kW	9.3 kW
Cooling ⁴	Capacity		1.98 kW	2.49 kW	3.25 kW
	Rated input		2.9	3.01	2.86
Cooling ⁵	Capacity		6.45 kW	8.35 kW	10.2 kW
	Rated input		1.32 kW	1.79 kW	2.4 kW
Seasonal space heating energy efficiency class ⁶	EER		4.88	4.67	4.25
	Water outlet at 35 °C			A+++	
Sound power level	Water outlet at 55 °C				
			62 dB	63 dB	65 dB
Net dimension (W x H x D)			620 x 860 x 380 mm	1075 x 965 x 395 mm	
Packed dimension (W x H x D)			1040 x 1000 x 430 mm	1120 x 1100 x 435 mm	
Net / Gross weight			57 / 68 kg		67 / 79 kg
Compressor	Type			Twin rotary invert	
	Motor type			DC Brushless fan	
Outdoor fan	Air flow		3250 m³/h	Fin - coil	4950 m³/h
	Liquid		6.35 mm		9.52 mm
Refrigerant	Gas		15.9 mm	Flared	15.9 mm
	Connection method			Max. 20 m	
Additional refrigerant	Height difference			2-30 m	
	Pipe length			R32 (675)	
Throttle type	Type (ΔW/F)				
	Charged volume		1.55 kg		1.65 kg
Operating temperature range	Chargment		20 g/m		38 g/m
	Min. pipe length			15 m	
Outdoor air temperature range	Electronic expansion valve				
	Cooling			-5 ~ 43 °C	
	Heating			-25 ~ 35 °C	
	DHW			-25 ~ 43 °C	

Note:
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.Cooler air in 35°C. Evaporator water in/out 23/18°C
5.Cooler air in 35°C. Evaporator water in/out 12/7°C
6. Seasonal space heating energy efficiency class tested in average climate general
7. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811/2013; (EU) No 813/2013; OJ 2014/C 207/02-2014.
Abbreviations:
DWH: Domestic hot water
GWP: Global warming potential

R32 Hydronic box - Indoor unit

Model			HPS-42H184AER/R1	HPS-84H155AER/R1
LWT range	Space heating	Low		25 do 55 °C
	Space heating	High		35 do 60 °C
	Space cooling	Low		5 do 25 °C
	DHW	High		18 do 25 °C
Power supply				220-240 V / 1 Ph / 50 Hz
Sound power level				43 dB
Net dimension (W x H x D)				400 x 850 x 427 mm
Packed dimension (W x H x D)				495 x 1040 x 495 mm
Net / Gross weight				
Water pump	Max. pump head			8.5 m
	Volume			5 L
Expansion vessel (primary circuit)	Charge pressure			0.15 MPa
	Outlet connect to terminals			1"
Veza	Inlet connect to terminals			1"
	Refrigerant liquid		6.35 mm	9.52 mm
Safety valve	Refrigerant gas		15.88 mm	15.88 mm
				0.3 MPa
Flow switch				0.6 m³/h
	Standard mounted			/
Backup E-heater	Optional			3 kW
	Power supply			220-240 V / 1 Ph / 50 Hz

Abbreviations:
DWH: Domestic hot water
LWT: Leaving water temperature

APP control (R32 models only)

Remote control
Check the running state of equipment, zone switch, operation mode and temperature
Set switch, operation mode and temperature of each zone
Display fault information

