

## Feature Descriptions

### Operation

#### Inverter Controlled Operation

This function features a quick cooling and heating operation and decreases fluctuation in temperature and reduces power consumption.

#### Full Power Mode

In this operation, the air conditioner works at the maximum power to rapidly cool or heat the room.

#### Turbo Operation

In this operation, the air conditioner fan works at "Extra-high" fan speed to rapidly cool or heat the room.

#### Lower Room Temperature Setting

In cooling operation, room temperature can be set from 16°C/18°C.

#### Computerized Dry Mode Operation

The indoor fan motor and the compressor are controlled by the microcomputer to maintain room humidity without dropping the room temperature.

#### Auto Operation Mode

In the AUTO mode, the temperature setting and mode are automatically selected according to the room temperature.

#### Auto & 3-Step Fan Speed Settings

Auto fan speed and 3-step (HIGH/LOW/SOFT) manual fan speed are available.

#### Auto Restart Function

When power failure occurs and after power recovery, the unit will automatically restart in the same setting which was active before the power failure.

#### Auto Changeover

During AUTO MODE operation, the mode will automatically switch between HEAT and COOL mode to maintain a comfortable room temperature.

#### Winter Cool Function

Cooling operation is available during winter season down to -10°C outside temperature.

### Airflow

#### Multi Space Function

This function adjusts the airflow and air direction to reach the set temperature quickly in several rooms, and then circulates the air to maintain the temperature.

#### Spot Air

This function divides the room into six areas and concentrates air conditioning on one area at a time.

#### Coanda Airflow System

This function provides warm air traveling down the wall to the floor during heating operation and cold air traveling up the ceiling during cooling operation in order to avoid direct airflow.

#### Long Coanda Airflow System

This function provides much longer airflows to deliver Plasmacluster ions and cold or warm air farther from the unit.

#### 4-way Auto Air Swing

Automatic vertical & horizontal airflow is available in order to make the room uniformly cool or warm.

#### 2-way Auto Air Swing

Automatic vertical airflow is available in order to make the room uniformly cool or warm.

#### Dual (Upper & Lower) Airflow System

Dual (Upper & Lower) Airflow System is for maintaining a comfortable room; the air outlet is selected automatically according to room conditions, such as cold or hot.

### Control Convenience

#### Microcomputer Control

#### LCD Wireless Remote Control

#### 24-Hour ON/OFF Programmable Timer

The start and stop operations (hour and minute) can be set at same time.

#### 12-Hour ON/OFF Timer

#### 1-Hour OFF Timer

When the ONE-HOUR OFF TIMER is set, the unit will automatically turn off after one hour.

#### "Awakening" Function

When the ON Timer is set, the unit will turn on prior to the set time to allow the room to reach the desired temperature by the programmed time.

#### "Auto Sleep" Function

When the OFF Timer is set, the temperature setting is automatically adjusted to prevent the room from becoming excessively hot or cold while you sleep.

### Air Quality

#### Plasmacluster Ion

Plasmacluster Ion generator inside the indoor unit releases positive and negative Plasmacluster ions into the room and reduces some airborne mold and viruses.

#### Air Purifying Filter

#### Deodorizing Filter

#### Washable Deodorizing Filter

#### Anti-Mold, Detachable & Washable Air Filter

### Additional Features

#### Silent mode

In this operation, the air conditioner works at "Extra LOW" fan speed for comfort.

#### Self Cleaning Function

SELF CLEAN operation provides the effect of reducing the growth of mold fungus, and dries the inside of the air conditioner unit with Plasmacluster ions.

#### Dual Drain Setting

Rightward and Leftward Drain hose setting is available for easy installation.

#### Single/Multi Unit

Units with this feature can be used singly or in a multi split system.

# SHARP

## Air Conditioners 2014

Wall-Mounted  
Floor/Ceiling  
Floor Standing  
Local  
Cassette



\* Design and specifications are current as of March 2014, but are subject to change without prior notice.  
\* Actual colors may differ slightly from colors in this catalog.

# SHARP

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## Connecting with the world around us

Sharp studies nature to gain important hints for its air conditioner development. It uses the power of ions, just as they are generated in nature, to improve air quality. Its gentle and efficient airflow control is guided by the shape of bird's wings. And its ecological design strives to reduce the impact on the global environment. If you're looking for a truly comfortable living environment, Sharp is the logical and natural choice.



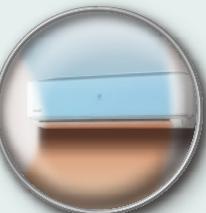
### Plasmacluster Ions clean the air

The same positive and negative ions that occur in nature clean the air inside rooms, as well as break down and remove unpleasant odors.



### Precise airflow control

Sharp's air conditioners take advantage of a tendency in nature that has been termed as "Coanda effect" to heat and cool air evenly.



### Unique "Nature Wing" fan blades

By modeling fan blades after the wings of birds and insects, Sharp's air conditioners increase circulation efficiency.



### New energy regulation compliant

All Sharp air conditioners are accurately measured and labeled according to new seasonal energy efficiency legislation.



Plasmacluster and the Plasmacluster mark are trademarks or registered trademarks of sharp corporation.

# Energy-saving, ecological technology that emphasizes comfort

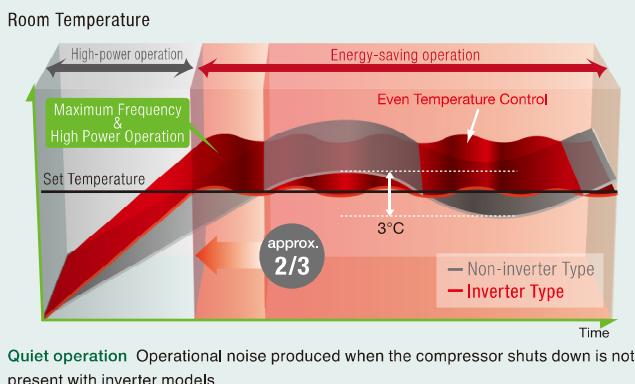


## Inverter technology



### Reaches Preset Temperatures in Approx. 2/3 the Time

While inverter air conditioners have a full-output operation mode, they drastically reduce energy consumption when used in energy-saving operation mode. This is thanks to inverter circuitry, which modifies and maintains room temperature by switching the compressor between high and low operation modes, instead of switching it on and off completely as non-inverter models do. The inverter model keeps the compressor running and simply reduces output when the room reaches the target temperature, enabling comfortable, even temperature control.

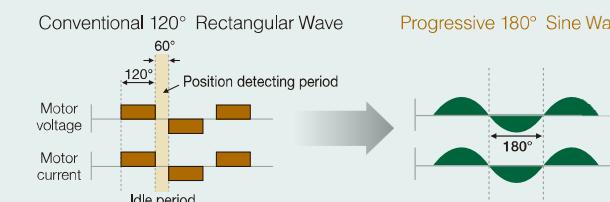
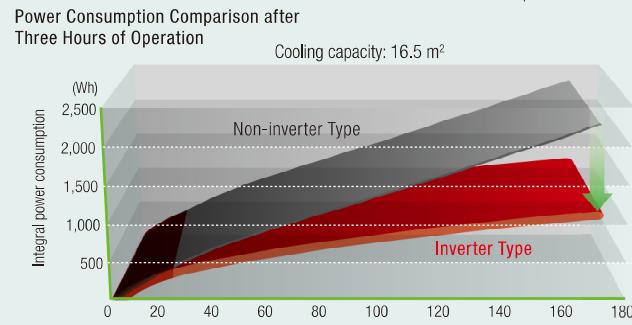
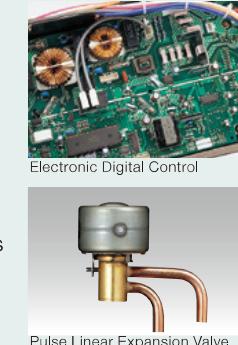


### Sine wave drive compressor control system

Uses the improved compressor control technology, which adopts a 180° conductance sine wave instead of the conventional 120° conductance waveform, resulting in a smoothing of motor rotation. This greatly reduces energy loss, contributing to higher efficiency, and thus higher energy savings.

### Reduces Power Consumption

Inverter air conditioners go into energy-saving operation mode immediately once the set temperature is achieved. Sharp's inverter air conditioners reduce energy consumption compared to that of non-inverter models, increasing performance efficiency using high-power DC motors for the compressor and outdoor fan, and a pulse linear expansion valve.



<sup>1</sup> Comparison of electricity used to blow the same airflow volume with the conventional model and the new model with dragonfly wing design. <sup>2</sup> Comparison of electricity used to blow the same airflow value with the conventional fan and the bird-wing-shaped fan. <sup>3</sup> The AY-XPM7PHR, AY-XPC9PHR, AY-XPC12PHR. <sup>4</sup> The AE-X2M18KR, AE-X18LR, AE-X24LR, AE-X2M14LR.

## Sharp's unique Nature Wing fan blades modeled after nature

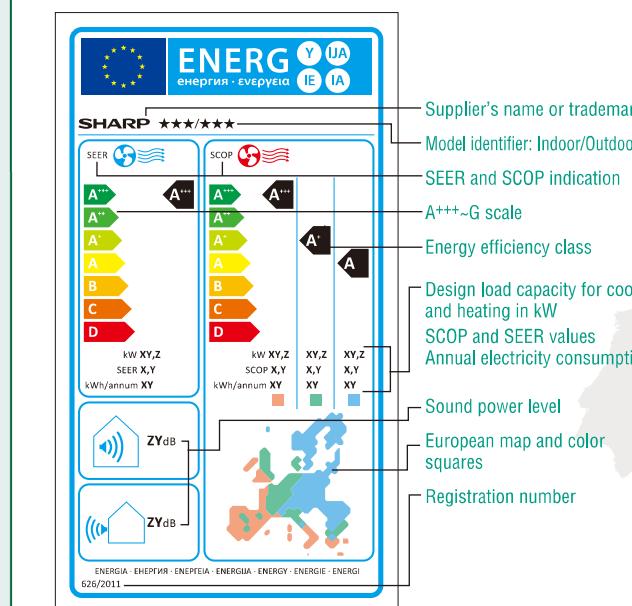


### Nature Wing

Usually, aircraft wing designs are used for airflow control and improved its products based on aerodynamics. However, while aerodynamics is effective for moving large objects, it was discovered that the wings of birds and insects are more effective examples for objects with the size of our products. This forms the basis of Nature Wing.

### Meeting new European energy efficiency standards

Starting in January 2013, the previous EER and COP energy efficiency ratings for air conditioners will be replaced by SEER and SCOP ratings. The new ratings will provide assessments that come closer to actual use by considering seasonal and climatic variations in Europe and performance in several modes. All Sharp air conditioners will be accurately measured in accordance with the new legislation, and properly labeled prior to shipment.



Energy efficiency classes for air conditioners, except double ducts and single ducts		
Energy Efficiency Class	SEER	SCOP
A+++	SEER ≥ 8.50	SCOP ≥ 5.10
A++	6.10 ≤ SEER < 8.50	4.60 ≤ SCOP < 5.10
A+	5.60 ≤ SEER < 6.10	4.00 ≤ SCOP < 4.60
A	5.10 ≤ SEER < 5.60	3.40 ≤ SCOP < 4.00
B	4.60 ≤ SEER < 5.10	3.10 ≤ SCOP < 3.40
C	4.10 ≤ SEER < 4.60	2.80 ≤ SCOP < 3.10
D	3.60 ≤ SEER < 4.10	2.50 ≤ SCOP < 2.80
E	3.10 ≤ SEER < 3.60	2.20 ≤ SCOP < 2.50
F	2.60 ≤ SEER < 3.10	1.90 ≤ SCOP < 2.20
G	SEER < 2.60	SCOP < 1.90

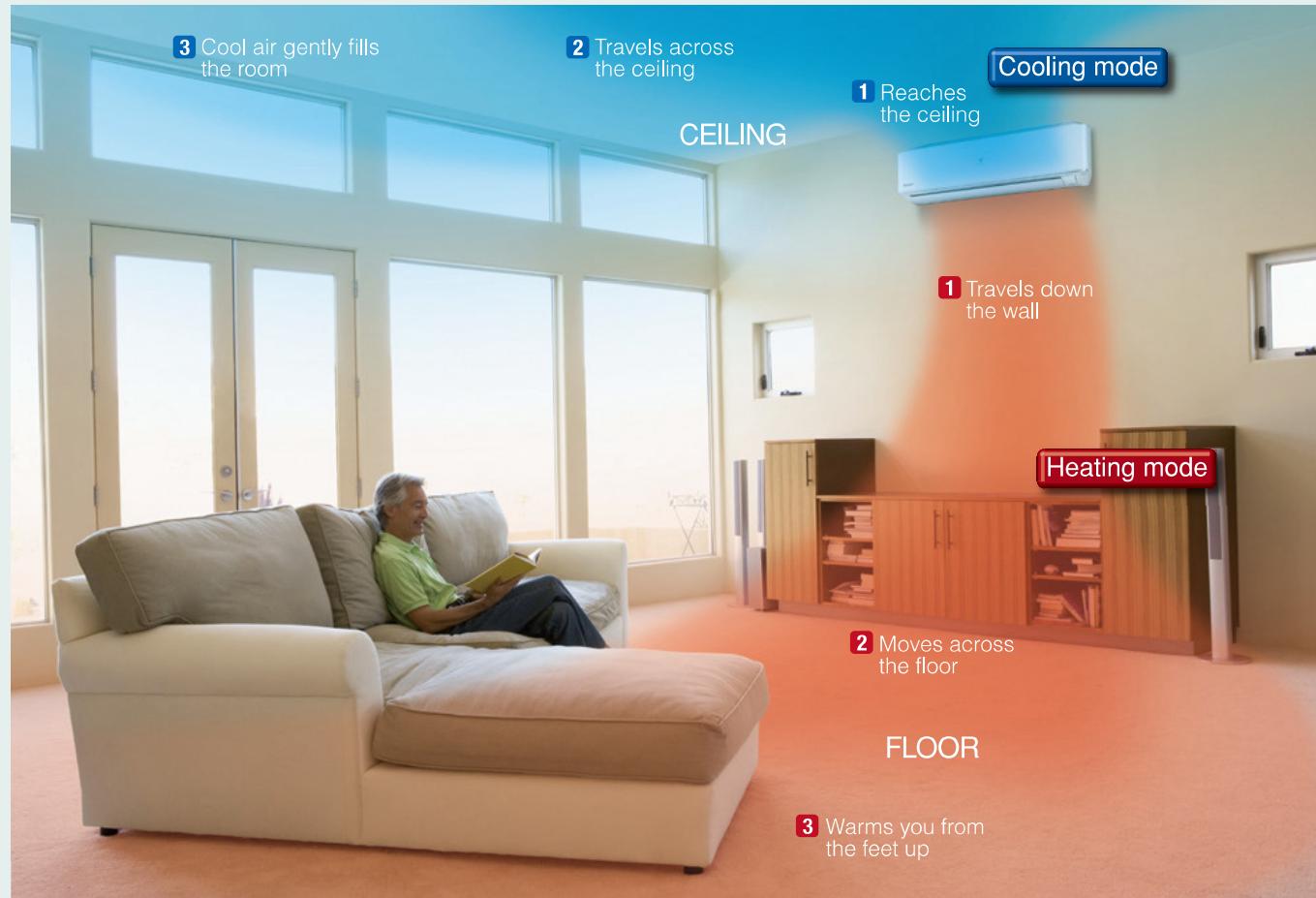
**CE** Sharp's units for Europe comply with European regulations that guarantee the safety of the product.

Sharp Corporation is participating in the EUROVENT Certification Programme with the products listed in the EUROVENT Directory of Certified Products. Note that Multi-split air conditioners with 3 or more indoor units are not in the scope of the EUROVENT certification.

**Refrigerant GWP** - Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

**Annual electricity consumption** - Energy consumption "XYZ" kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

# Airflow control technology that creates comfort in all situations



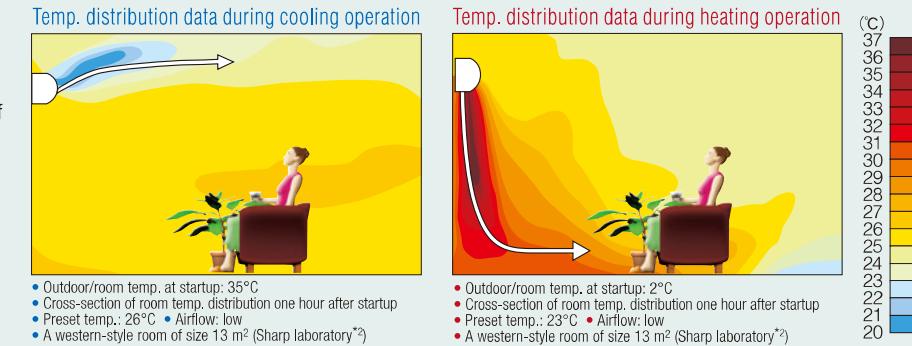
## Long-distance comfort Long Coanda Airflow System

With the Long Coanda Airflow System, air travels further than with the regular Coanda Airflow System, even when you set the unit to run at low air volumes. This saves energy and increases comfort.  
(AY-XPM7RR, AY-XPC9/12RR)



## The Coanda effect—creating the most comfortable living space possible

Sharp's air conditioners take advantage of a tendency in nature that has been termed the "Coanda effect"<sup>\*1</sup> to heat and cool air evenly. The Coanda effect is the observed tendency of moving gas or fluid leaving a nozzle of some kind to cling to and follow nearby surfaces. Sharp air conditioners utilize this tendency by aiming the airflow at room surfaces, such as walls or ceilings, to more precisely control and direct the flow of air.



<sup>\*1</sup> The Coanda effect was discovered in 1930 by the world-famous aerodynamicist H. M. Coanda, born in Romania in 1885.

<sup>\*</sup>2 The data from tests made on AY-R28XC, a Japan domestic model that employs the Coanda effect.

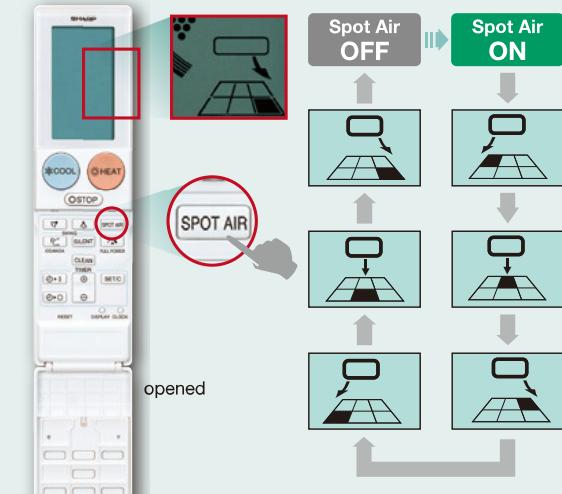


## Area-specific comfort Spot Air

The room is divided into six areas, and you can choose which area to direct air into using a new remote control. Only the necessary area is quickly cooled or warmed, reducing total energy consumption. (AY-XPM7RR, AY-XPC9/12RR, AY-XPC18LR, AY-XP24LR)

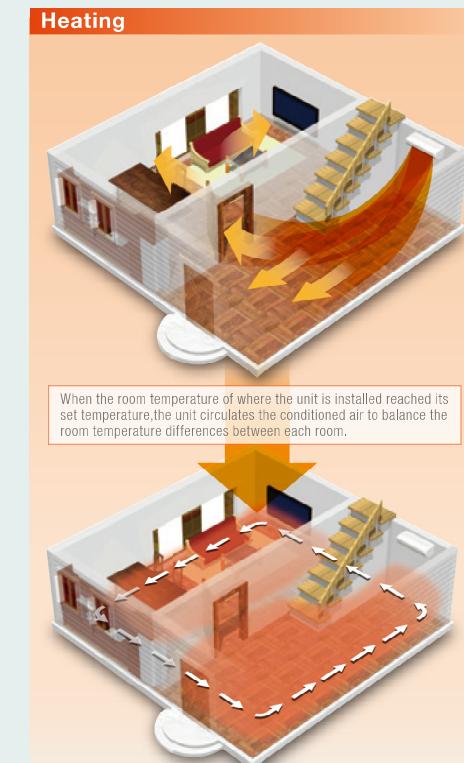


**Push the button to cycle through and choose from six areas**



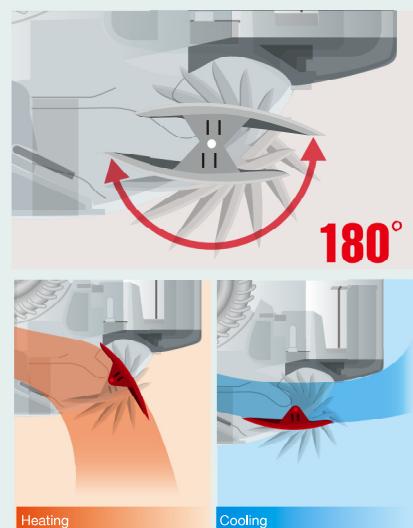
## Multi Space Function Controls the Airflow for Quick, Constant Conditioning

Pressing Multi Space button will keep several rooms comfortable. By placing an indoor unit in the living room, stairwell, or wherever you wish, this function will quickly heat or cool a number of rooms to the set temperature. Then, the fan speed and the louver angle are automatically controlled to circulate warm or cool air gently and uniformly to every corner. (AY-XPM7PHR, AY-XPC9/12PHR)



### Reverse Swing Louver Rotates About 180°

Measuring from the center, the louver rotates approximately 180 degrees. This creates an optimal air current for heating or cooling. You can also set the louver angle as you want by the remote control.



<sup>\*</sup> Effect of this function may differ depending on the room layout, installation position of the unit, and insulation level of the space affected.

# INVERTER SINGLE TYPE



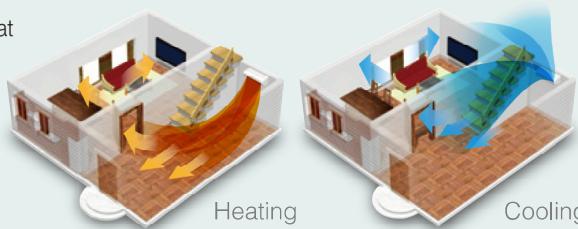
SEER A++  
SCOP A+

## Super Deluxe AY-XPC9PHR / AY-XPC12PHR



### Multi Space

This function will quickly heat or cool several rooms, and then automatically control the fan speed and louver angle to circulate warm or cool air to every corner.



### Only 21 dB

Pressing the Silent button produces 21-dB silence. This combines with high-density Plasma-cluster ions to provide good, sound sleep.



### Features



### Cool/Dry/Heat

Model	Cooling Operation		Heating Operation	
	Capacity (kW) (Min.- Max.)	SEER	Capacity (kW) (Min.- Max.)	SCOP
AY-XPC9PHR	2.50 (0.90-3.00)	6.3 A++	3.20 (0.90-4.70)	4.0 A+
AY-XPC12PHR	3.50 (0.90-3.80)	6.3 A++	4.00 (0.90-5.00)	4.0 A+

### Specifications

Model	Indoor	AY-XPC9PHR	AY-XPC12PHR
Performance *1	Cooling	Energy efficiency class	A++
	SEER	6.3	6.3
	Pdesign	kW	2.5
	Capacity (Min.- Max.)	kW	2.50 (0.90-3.00)
	Input (Min.- Max.)	W	580 (200-800)
	Annual electricity consumption <sup>2</sup>	kWh/a	138
Heating (Average Climate)	Energy efficiency class		A+
	SCOP		4.0
	Pdesign	kW	3.2
	Capacity (Min.- Max.)	kW	3.20 (0.90-4.70)
	Input (Min.- Max.)	W	800 (170-1,380)
	Annual electricity consumption <sup>2</sup>	kWh/a	1,100
Nominal Efficiency *3	EER		4.31
	COP		4.00
Nominal Current *3	Cooling	A	3.2
	Heating	A	3.8
Sound Pressure Level *4	Indoor (Hi / Lo / Silent)	dB(A)	39 / 26 / 21
(Cool)	Outdoor	dB(A)	48
			49
Sound Power Level	Indoor (Hi)	dB(A)	54
	Outdoor	dB(A)	62
			64
Airflow Volume (Hi, Cool)		m³/min	9.7
			10.8
Operation Range	Cooling	°C	-10 - 46
(Outdoor)	Heating	°C	-15 - 24
			-15 - 24

### Outdoor unit



AE-X9PHR AE-X12PHR



SEER A++  
SCOP A+

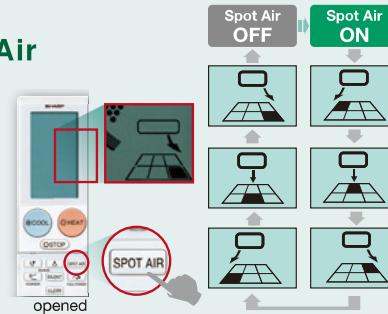
## Deluxe

## NEW AY-XPC9RR / AY-XPC12RR



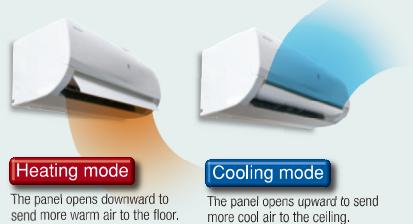
### Spot Air

The remote control can direct air into any of six areas. Only the necessary area is cooled or warmed, reducing energy consumption.



### Long Coanda Airflow System

Air travels further than with our previous system, even at low air volume settings. This saves energy and increases comfort.



### Features



### Cool/Dry/Heat

Model	Cooling Operation		Heating Operation	
	Capacity (kW) (Min.- Max.)	SEER	Capacity (kW) (Min.- Max.)	SCOP
AY-XPC9RR	2.50 (0.90-3.00)	6.2 A++	3.20 (0.90-4.80)	4.1 A+
AY-XPC12RR	3.50 (0.90-3.80)	6.2 A++	4.00 (0.90-5.20)	4.1 A+

### Specifications

Model	Indoor	AY-XPC9RR	AY-XPC12RR
Performance *1	Cooling	Energy efficiency class	A++
	SEER	6.2	6.2
	Pdesign	kW	2.5
	Capacity (Min.- Max.)	kW	2.50 (0.90-3.00)
	Input (Min.- Max.)	W	590 (200-850)
	Annual electricity consumption <sup>2</sup>	kWh/a	141
Heating (Average Climate)	Energy efficiency class		A+
	SCOP		4.1
	Pdesign	kW	3.3
	Capacity (Min.- Max.)	kW	3.20 (0.90-4.80)
	Input (Min.- Max.)	W	740 (180-1,400)
	Annual electricity consumption <sup>2</sup>	kWh/a	1,116
Nominal Efficiency *3	EER		4.24
	COP		4.32
Nominal Current *3	Cooling	A	3.0
	Heating	A	3.6
Sound Pressure Level *4	Indoor (Hi / Lo / Silent)	dB(A)	39 / 28 / 23
(Cool)	Outdoor	dB(A)	48
			49
Sound Power Level	Indoor (Hi)	dB(A)	55
	Outdoor	dB(A)	62
			64
Airflow Volume (Hi, Cool)		m³/min	9.0
			10.1
Operation Range	Cooling	°C	-10 - 46
(Outdoor)	Heating	°C	-15 - 24
			-15 - 24

### Features



### Cool/Dry/Heat

Model	Cooling Operation		Heating Operation	
	Capacity (kW) (Min.- Max.)	SEER	Capacity (kW) (Min.- Max.)	SCOP
AY-XPC9RR	2.50 (0.90-3.00)	6.2 A++	3.20 (0.90-4.80)	4.1 A+
AY-XPC12RR	3.50 (0.90-3.80)	6.2 A++	4.00 (0.90-5.20)	4.1 A+

### Specifications

Model	Indoor	AY-XPC9RR	AY-XPC12RR
Performance *1	Cooling	Energy efficiency class	A++
	SEER	6.2	6.2
	Pdesign	kW	2.5
	Capacity (Min.- Max.)	kW	2.50 (0.90-3.00)
	Input (Min.- Max.)	W	590 (200-1,300)
	Annual electricity consumption <sup>2</sup>	kWh/a	197
Heating (Average Climate)	Energy efficiency class		A+
	SCOP		4.1
	Pdesign	kW	3.3
	Capacity (Min.- Max.)	kW	3.20 (0.90-4.80)
	Input (Min.- Max.)	W	740 (180-1,640)
	Annual electricity consumption <sup>2</sup>	kWh/a	1,194
Nominal Efficiency *3	EER		4.24
	COP		4.32
Nominal Current *3	Cooling	A	3.0
	Heating	A	3.6
Sound Pressure Level *4	Indoor (Hi / Lo / Silent)	dB(A)	39 / 28 / 23
(Cool)	Outdoor	dB(A)	48
			49
Sound Power Level	Indoor (Hi)	dB(A)	55
	Outdoor	dB(A)	62
			64
Airflow Volume (Hi, Cool)		m³/min	9.0
			10.1
Operation Range	Cooling	°C	-10 - 46
(Outdoor)	Heating	°C	-15 - 24
			-15 - 24

### Outdoor unit



AE-X9RR AE-X12RR

\*1 According to EN14825  
\*2 Energy consumption "XYZ" kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.  
\*3 According to EN14511  
\*4 Sound pressure level is measured according to JIS C 9612. : 2005  
\*5 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

# INVERTER SINGLE TYPE



Deluxe  
**AY-XPC9JR / AY-XPC12JR**

## Features



## Cool/Dry/Heat

Model	Cooling Operation		Heating Operation	
	Capacity (kW) (Min.- Max.)	SEER	Capacity (kW) (Min.- Max.)	SCOP
AY-XPC9JR	2.50 (0.90-3.00)	5.1 <b>A</b>	3.20 (0.90-5.00)	3.9 <b>A</b>
AY-XPC12JR	3.50 (0.90-3.80)	5.1 <b>A</b>	4.00 (0.90-5.70)	4.0 <b>A<sup>+</sup></b>

- Coanda Airflow System
- Can be used singly or in a multi split system

## Outdoor unit

R410A



AE-X9JR AE-X12JR

## Features



## Cool/Dry/Heat

Model	Cooling Operation		Heating Operation	
	Capacity (kW) (Min.- Max.)	SEER	Capacity (kW) (Min.- Max.)	SCOP
AY-XP9RMR	2.60 (1.00-3.20)	6.1 <b>A<sup>++</sup></b>	3.00 (1.00-3.60)	3.8 <b>A</b>
AY-XP12RMR	3.50 (1.05-3.90)	6.1 <b>A<sup>++</sup></b>	3.80 (1.05-4.40)	3.8 <b>A</b>

- Plasmacluster ion
- High SEER
- Selectable operating modes: AUTO, COOL, DRY, FAN, HEAT

## Outdoor unit

R410A



AE-X9RMR AE-X12RMR

## Specifications

Model	Indoor	AY-XPC9JR	AY-XPC12JR
	Outdoor	AE-X9JR	AE-X12JR
Performance *1	Cooling Energy efficiency class	A	A
	SEER	5.1	5.1
	Pdesign kW	2.5	3.5
	Capacity (Min.- Max.) kW	2.50 (0.90-3.00)	3.50 (0.90-3.80)
	Input (Min.- Max.) W	625 (200-900)	1,090 (200-1,300)
	Annual electricity consumption*2 kWh/a	171	239
Heating (Average Climate)	Energy efficiency class	A	A <sup>+</sup>
	SCOP	3.9	4.0
	Pdesign kW	3.2	3.5
	Capacity (Min.- Max.) kW	3.20 (0.90-5.00)	4.00 (0.90-5.70)
	Input (Min.- Max.) W	760 (180-1,450)	1,020 (180-1,650)
	Annual electricity consumption*2 kWh/a	1,126	1,221
Nominal Efficiency *3	EER	4.00	3.21
	COP	4.21	3.92
Nominal Current *3	Cooling	A	3.1
	Heating	A	3.7
Sound Pressure Level *4	Indoor (Hi / Lo) dB(A)	37 / 26	40 / 27
(Cool)	Outdoor dB(A)	45	48
Sound Power Level (Cool)	Indoor (Hi) dB(A)	52	56
	Outdoor dB(A)	58	61
Airflow Volume (Hi, Cool)	m³/min	9.1	10.5
Operation Range (Outdoor)	Cooling °C	-10 - 46	-10 - 46
	Heating °C	-15 - 24	-15 - 24

\*1 According to EN14825

\*2 Energy consumption "XYZ" kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

\*3 According to EN14511

\*4 Sound pressure level is measured according to JIS C 9612. : 2005

\*5 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

## Specifications

Model	Indoor	AY-XP9RMR	AY-XP12RMR
	Outdoor	AE-X9RMR	AE-X12RMR
Performance *1	Cooling Energy efficiency class	A <sup>++</sup>	A <sup>++</sup>
	SEER	6.1	6.1
	Pdesign kW	2.6	3.5
	Capacity (Min.- Max.) kW	2.60 (1.00-3.20)	3.50 (1.05-3.90)
	Input (Min.- Max.) W	870 (185-1,300)	1,170 (185-1,400)
	Annual electricity consumption*2 kWh/a	149	201
Heating (Average Climate)	Energy efficiency class	A	A
	SCOP	3.8	3.8
	Pdesign kW	2.6	3.0
	Capacity (Min.- Max.) kW	3.00 (1.00-3.60)	3.80 (1.05-4.40)
	Input (Min.- Max.) W	900 (220-1,400)	1,200 (250-1,550)
	Annual electricity consumption*2 kWh/a	958	1,105
Nominal Efficiency *3	EER	2.99	2.99
	COP	3.33	3.17
Nominal Current *3	Cooling	A	3.8
	Heating	A	3.9
Sound Pressure Level *4	Indoor (Hi / Lo) dB(A)	37 / 27	38 / 28
(Cool)	Outdoor dB(A)	51	52
Sound Power Level *5 (Cool)	Indoor (Hi) dB(A)	55	57
	Outdoor dB(A)	61	62
Airflow Volume (Hi, Cool)*6	m³/min	10.0	11.0
Operation Range (Outdoor)	Cooling °C	-5 - 43	5 - 43
	Heating °C	-15 - 24	-15 - 24

\*1 According to EN14825

\*2 Energy consumption "XYZ" kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

\*3 According to EN14511

\*4 Sound pressure level is measured according to JIS C 9612. : 2005

\*5 During Turbo Fan mode

\*6 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

# INVERTER

SINGLE TYPE



SEER A+  
SCOP A

Standard  
**NEW AY-X9RSR / AY-X12RSR**

Features



Cool/Dry/Heat

Model	Cooling Operation		Heating Operation	
	Capacity (kW) (Min.-Max.)	SEER	Capacity (kW) (Min.-Max.)	SCOP
AY-X9RSR	2.60 (0.90-3.10)	5.7 A+	2.60 (0.09-3.80)	3.8 A
AY-X12RSR	3.50 (1.00-3.70)	5.7 A+	3.50 (1.00-4.50)	3.8 A

- Brand-New Design
- Full Power Mode
- Auto Swing Louver

Outdoor unit



AE-X9RSR AE-X12RSR

R410A

Specifications

Model	Indoor	AY-X9RSR	AY-X12RSR
Performance *1	Cooling	Energy efficiency class	
	Outdoor	A+	A+
	AE-X9RSR		
	SEER	5.7	5.7
	Pdesign	kW	2.6
	Capacity (Min.-Max.)	kW	2.60 (0.90-3.10)
	Input (Min.-Max.)	W	760 (210-1,100)
	Annual electricity consumption*2	kWh/a	161
	Heating	Energy efficiency class	A
	(Average Climate)	SCOP	3.8
	Pdesign	kW	2.6
	Capacity (Min.-Max.)	kW	2.60 (0.90-3.80)
	Input (Min.-Max.)	W	680 (290-1,400)
	Annual electricity consumption*2	kWh/a	959
Nominal Efficiency *3	EER		3.42
	COP		3.82
Nominal Current *3	Cooling	A	3.5
	Heating	A	3.1
Sound Pressure Level *4	Indoor (Hi / Lo)	dB(A)	38 / 26
(Cool)	Outdoor	dB(A)	48
Sound Power Level	Indoor (Hi)	dB(A)	52
(Cool)	Outdoor	dB(A)	59
Airflow Volume (Hi, Cool)		m³/min	11.0
Operation Range	Cooling	°C	18 - 46
(Outdoor)	Heating	°C	-7 - 24

\*1 According to EN14825

\*2 Energy consumption "XYZ" kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

\*3 According to EN14511

\*4 Sound pressure level is measured according to JIS C 9612. : 2005

\*5 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.



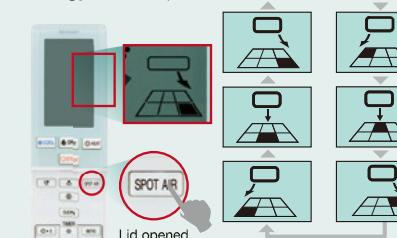
Deluxe

## AY-XPC18LR / AY-XP24LR



### Spot Air

The remote control can direct air into any of six areas. Only the necessary area is cooled or warmed, reducing energy consumption.



Features



\* For the AY-XPC18LR model only.

Cool/Dry/Heat

Model	Cooling Operation		Heating Operation	
	Capacity (kW) (Min.-Max.)	SEER	Capacity (kW) (Min.-Max.)	SCOP
AY-XPC18LR	5.00 (1.40-5.70)	6.6 A++	5.70 (1.10-8.00)	3.8 A
AY-XP24LR	7.00 (1.50-8.00)	5.9 A+	7.50 (1.10-9.50)	4.0 A+

- Spot Air function
- Coanda Airflow System
- Can be used singly or in a multi split system (for AY-XPC18LR)

Outdoor unit



AE-X18LR AE-X24LR

Specifications

Model	Indoor	AY-XPC18LR	AY-XP24LR
Performance *1	Cooling	Energy efficiency class	
	Outdoor	A++	A+
	AE-X18LR		
	SEER	6.6	5.9
	Pdesign	kW	5.0
	Capacity (Min.-Max.)	kW	5.00 (1.40-5.70)
	Input (Min.-Max.)	W	1,470 (260-1,890)
	Annual electricity consumption*2	kWh/a	264
	Heating	Energy efficiency class	A
	(Average Climate)	SCOP	3.8
	Pdesign	kW	5.7
	Capacity (Min.-Max.)	kW	5.70 (1.10-8.00)
	Input (Min.-Max.)	W	1,510 (240-2,380)
	Annual electricity consumption*2	kWh/a	2,064
Nominal Efficiency *3	EER		3.40
	COP		3.77
Nominal Current *3	Cooling	A	6.6
	Heating	A	6.8
Sound Pressure Level *4	Indoor (Hi / Lo)	dB(A)	43 / 33
(Cool)	Outdoor	dB(A)	49
Sound Power Level	Indoor (Hi)	dB(A)	58
(Cool)	Outdoor	dB(A)	62
Airflow Volume (Hi, Cool)		m³/min	14.4
Operation Range	Cooling	°C	18 - 46
(Outdoor)	Heating	°C	-15 - 24

\*1 According to EN14825

\*2 Energy consumption "XYZ" kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

\*3 According to EN14511

\*4 Sound pressure level is measured according to JIS C 9612. : 2005

\*5 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

# INVERTER SINGLE TYPE



Floor / Ceiling  
**GS-XP18FR**

Features		Outdoor unit	R410A

Model	Cooling Operation		Heating Operation	
	Capacity (kW) (Min.-Max.)	SEER	Capacity (kW) (Min.-Max.)	SCOP
GS-XP18FR	5.00 (1.70-6.10)	5.6	6.20 (1.70-7.50)	3.9

Specifications		GS-XP18FR
Model	Indoor	Outdoor
Performance *1	Cooling	A+
	Energy efficiency class	
	SEER	5.6
	Pdesign	5.0
	Capacity (Min.-Max.)	kW
	Input (Min.-Max.)	5.00 (1.70-6.10)
	Annual electricity consumption*2	kWh/a
		312
Heating	Average	A
(Average)	SCOP	3.9
Oimate	Pdesign	5.0
	Capacity (Min.-Max.)	kW
	Input (Min.-Max.)	6.20 (1.70-7.50)
	Annual electricity consumption*2	kWh/a
Nominal Efficiency *3	EER	1.786
	COP	3.21
Nominal Current *3	Cooling	A
	Heating	7.2
Sound Pressure Level *4	Indoor (Hi / Lo)	dB(A)
(Cool)	Indoor	43 / 34
	Outdoor	54
Sound Power Level	Indoor (Hi)	dB(A)
(Cool)	Indoor	57
	Outdoor	65
Airflow Volume (Hi, Cool)		m³/min
	Cooling	17.0
Operation Range	Cooling	°C
(Outdoor)		-10 - 46
	Heating	°C
		-15 - 24
Power Supply	Outdoor	V/Phase/Hz
	Indoor	220-240 / single / 50
Dimensions	Indoor (W x H x D)	mm
		1,300 x 680 x 212
	Outdoor (W x H x D)	mm
		890 x 800 x 320
Weight	Indoor	kg
	Outdoor	kg
Min-Max Pipe Length	m	1 - 30
Max Height Difference	m	20
Max chargless Length	m	30
Pipe Diameter	Liquid Side	inch
	Gas Side	1/2
Refrigerant (GWP *5)	kgCO <sub>2</sub> eq	R410A (1975)

\*1 According to EN14825

\*2 Energy consumption "XYZ" kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

\*3 According to EN14511

\*4 Sound pressure level is measured according to JIS C 9612 : 2005



Floor Standing  
**GS-XP9/12/18FGR**

Features		Outdoor unit	R410A

Model	Cooling Operation		Heating Operation	
	Capacity (kW) (Min.-Max.)	SEER	Capacity (kW) (Min.-Max.)	SCOP
GS-XP9FGR	2.50 (0.90-3.00)	6.7	3.40 (0.90-5.00)	3.9
GS-XP12FGR	3.50 (0.90-4.00)	5.8	4.50 (0.90-6.00)	3.9
GS-XP18FGR	5.00 (0.90-5.70)	5.4	5.70 (0.90-7.70)	3.8

# ON / OFF SINGLE TYPE



Local Air Conditioner  
**CV-P10PR** R410A

Air conditioner and ion generator in one portable cabinet, "2 in 1"

This Local Air Conditioner can be used year around by either pressing the A/C button on the remote control to operate in cooling mode, or by pressing the ION button to operate the Ion Generator function to continue to have cleaner air in the room.



Features	

Cool/Dry

Model	Cooling Operation	
	Capacity (kW)	EER
CV-P10PR	2.5	2.6

(Standard: EN 14511)

Specifications

Model	Indoor	CV-P10PR	CV-P10PR
Capacity	Cooling	kW	2.5
Power Supply	V/Phase/Hz	220-240 / single / 50	220-240 / single / 50
Running current	A	4.2	4.2
Power Input	W	960	960
EER <sup>1</sup>		2.6	2.6
Energy Efficiency Class		A	A
Hourly Electricity Consumption <sup>2</sup>	kWh/60	1.0	1.0
Stand-by Power Consumption	"ON Timer" Off W	<0.5	<0.5
	"ON Timer" On W	<1.0	<1.0

\*1 According to EN14511

\*2 Energy consumption "XYZ" kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

\*3 Sound pressure level is measured according to JIS C 9612 : 2005

\*4 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

# INVERTER

MULTI TYPE



## GX-XPC18PR / GX-XC18PMR



GX-XPC18PR/GX-XC18PMR units with AE-XM30GR										
Operating status	Indoor unit combination				Cooling capacity (kW)			Power input (W)		
	A	B	C	D	A	B	C	D	Rating (Min.-Max.)	Rating (Min.-Max.)
3-indoor unit operation	18C 18 12	-	3.15	3.15	2.10	-	8.4 (4.3-9.0)	2,990	(1,070-3,490)	
	18C 18 9	-	3.36	3.36	1.68	-	8.4 (4.3-9.0)	2,990	(1,070-3,490)	
	18C 18 7	-	3.52	3.52	1.37	-	8.4 (4.3-9.0)	2,990	(1,070-3,490)	
	18C 12 12	-	3.60	2.40	2.40	-	8.4 (4.3-9.0)	2,990	(1,070-3,490)	
	18C 12 9	-	3.88	2.58	1.94	-	8.4 (4.3-9.0)	2,990	(1,070-3,490)	
	18C 12 7	-	4.09	2.72	1.59	-	8.4 (4.3-9.0)	2,990	(1,070-3,490)	
	18C 9 9	-	4.20	2.10	2.10	-	8.4 (4.3-9.0)	2,990	(1,070-3,490)	
	18C 9 7	-	4.45	2.22	1.73	-	8.4 (4.3-9.0)	2,990	(1,070-3,490)	
	18C 7 7	-	4.73	1.84	1.84	-	8.4 (4.3-9.0)	2,990	(1,070-3,490)	
	18C 12C -	-	4.20	4.20	-	-	8.4 (4.3-9.0)	2,990	(1,070-3,490)	
2-indoor unit operation	18C 12C *	-	4.20	4.20	*	-	8.4 (4.3-9.0)	2,990	(1,070-3,490)	
	18C 12C *	-	4.56	3.04	*	-	7.6 (3.6-8.0)	2,990	(880-3,400)	
	18C 9 *	-	4.80	2.40	*	-	7.2 (3.6-8.0)	2,600	(880-3,400)	
	18C 7 *	-	4.90	1.90	*	-	6.8 (3.6-8.0)	2,350	(880-3,400)	
	18C 7 *	-	5.00	*	*	-	5.0 (2.6-5.7)	1,600	(700-2,400)	
1-indoor unit operation	18C *	*	*	*	*	*	*	*	*	*

18C: Cassette(GX-XPC18PR or GX-XC18PMR) \* When connected indoor unit is not in operation. <sup>1</sup>: When no unit is connected.

### Features

- Compact design for easy installation
- Low noise level
- Wireless remote control
- Energy save setting
- Automatic swing louvers

### Specifications

Model	Indoor	GX-XPC18PR	GX-XC18PMR
	Panel frame	AZ-XP18PR	AZ-X18PMR
	Outdoor	AE-XM30GR	
Capacity <sup>*1</sup>	Cool (Min. - Max.) kW	8.4 (4.3-9.0)	8.4 (4.3-9.0)
	Heat (Min. - Max.) kW	9.0 (4.4-10.6)	9.0 (4.4-10.6)
Power Supply	Outdoor V-Ph-Hz	230-single-50	
Sound Pressure Level <sup>*2</sup>	Indoor (H/L) dB(A)	42/40	42/40
Sound Power Level	Indoor (H)	55	55
Dimensions	Indoor (W x H x D) mm	840 x 265 x 840	840 x 265 x 840
	Panel (W x H x D) mm	950 x 60 x 950	950 x 60 x 950
Weight	Indoor kg	27	27
Pipe Diameter	Liquid Side inch	1/4	1/4
	Gas Side inch	1/2	1/2
Min-Max Pipe Length (per Indoor unit)	m	3-20	3-20
Maximum Length (total)	m	40	40
Max Height Difference	m	10	10
Max chargeless Length (total)	m	40	40
Refrigerant (GWP <sup>*3</sup> )	kgCO <sub>2</sub> eq.	R410A (1975)	R410A (1975)

<sup>\*1</sup> According to EN14511 tested 2 units of GX-XPC8PR with AE-XM30GR.

<sup>\*2</sup> Sound pressure level is measured according to JIS C 9612; : 2005

<sup>\*3</sup> Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

## A wide variety of choices for indoor units

Sharp's multi-split air conditioning systems allow you to combine with a single outdoor unit. The indoor units can be wall mounted types, or floor standing types. This wide-ranging choice of flexible coordination for each room.

\* See the specification table for multi type indoor and outdoor units on page 19.

up to four indoor units types, floor/ceiling indoor units offers you more



### Outdoor unit lineup

#### 2 ROOMS



#### Example of indoor unit combinations

Outdoor unit	Indoor unit	Cooling Operation		Heating Operation	
		Capacity (kW) (Min.- Max.)	SEER	Capacity (kW) (Min.- Max.)	SCOP
AE-X2M14LR Cool/Dry/Heat	12 + 7	3.8 (1.8-4.3)	6.4 <sup>*1</sup>	4.4 (1.9-5.4)	4.4 <sup>*1</sup>
	9 + 9	3.8 (1.8-4.3)		4.4 (1.9-5.4)	
	7 + 7	3.8 (1.8-4.3)		4.4 (1.9-5.4)	
	12 + 7	5.2 (1.8-6.0)		5.8 (1.9-7.3)	
AE-X2M18KR Cool/Dry/Heat	9 + 9	5.2 (1.8-6.0)	6.2 <sup>*2</sup>	5.8 (1.9-7.3)	4.2 <sup>*2</sup>
	9 + 7	5.2 (1.8-6.0)		5.4 (1.9-7.0)	
	9 + 7	4.7 (1.8-5.6)			

#### 3 ROOMS



<sup>\* At least two indoor units must be connected.</sup>

<sup>\* See the capacity table on page 19 for permissible combinations.</sup>

#### Example of indoor unit combinations

Outdoor unit	Indoor unit	Cooling Operation		Heating Operation	
		Capacity (kW) (Min.- Max.)	SEER	Capacity (kW) (Min.- Max.)	SCOP
AE-X3M18JR Cool/Dry/Heat	12 + 7 + 7	5.2 (2.2-7.2)	6.0*	6.8 (2.2-8.4)	4.1*
	9 + 9 + 7	5.2 (2.2-7.2)		6.8 (2.2-8.4)	
	7 + 7 + 7	7.00 (3.00-8.20)		7.00 (3.00-8.20)	
	7 + 7 + 7	7.00 (3.00-8.20)		7.00 (3.00-8.20)	

<sup>\* Representative connection (7+7+7)</sup>

#### 4 ROOMS



<sup>\* At least three indoor units must be connected.</sup>

<sup>\* See the capacity table on page 20 for permissible combinations.</sup>

#### Example of indoor unit combinations

Outdoor unit	Indoor unit	Cooling Operation		Heating Operation	
		Capacity (kW) (Min.- Max.)	SEER	Capacity (kW) (Min.- Max.)	SCOP
AE-XM24HR Cool/Dry/Heat	12 + 7 + 7 + 7	7.00 (3.00-8.20)	6.2 <sup>*1</sup>	8.00 (3.00-9.20)	4.3 <sup>*1</sup>
	9 + 9 + 7 + 7	7.00 (3.00-8.20)			

# INVERTER

## MULTI TYPE

### Specifications

Outdoor units		System		2-indoor operation		2-indoor operation		3-indoor operation		4-indoor operation		4-indoor operation	
Model		Outdoor		AE-X2M14LR		AE-X2M18KR		AE-X3M18JR		AE-XM24HR		AE-XM30GR	
Indoor unit combination <sup>*4</sup>		7 + 7		9 + 9		7 + 7 + 7		7 + 7 + 7 + 7		9 + 7 + 7 + 7			
Cool (Min. – Max.)	kW	3.80 (1.80–4.30)		5.20 (1.80–6.00)		5.20 (2.20–7.00)		7.00 (3.00–8.20)		8.40 (4.30–9.00)			
Heat (Min. – Max.)	kW	4.40 (1.90–5.40)		5.60 (1.90–7.30)		6.80 (2.20–8.40)		8.00 (3.00–9.20)		9.00 (4.40–10.60)			
Power supply	V·ph·Hz	230-1~50		230-1~50		230-1~50		230-1~50		230-1~50			
Running current <sup>*1</sup>	Cool	A	4.1		7.0 (1.6–9.4)		6.5 (2.2–11.3)		10.0 (2.7–13.6)		13.7 (4.9–16.0)		
	Heat	A	4.4		6.7 (1.7–9.6)		7.6 (1.9–11.4)		9.2 (2.6–11.7)		11.0 (4.3–14.0)		
Power input <sup>*1</sup>	Cool (Min. – Max.)	W	900 (350–1,160)		1,530 (350–2,050)		1,410 (430–2,460)		2,180 (600–2,980)		2,990 (1,070–3,490)		
	Heat (Min. – Max.)	W	950 (370–1,300)		1,450 (370–2,100)		1,660 (420–2,480)		2,000 (560–2,560)		2,400 (940–3,060)		
Cooling mode <sup>*2</sup>		SEER	6.4		6.2		6.0		6.2		5.2		
	Energy efficiency class	A++	A++		A+		A++		A				
	Annual electricity consumption <sup>*5</sup>	kWh/a	207		292		301		393		564		
	P Design	kW	3.8		5.2		5.2		7.0		8.4		
Heating mode <sup>*2</sup>	(Average)	SCOP	4.4		4.2		4.1		4.3		3.9		
	Energy efficiency class	A+	A+		A+		A+		A				
	Annual electricity consumption <sup>*5</sup>	kWh/a	1109		1469		1851		2062		2636		
	P Design	kW	3.5		4.4		5.4		6.3		7.3		
	Declared capacity	kW	2.8		3.5		4.8		5.4		5.9		
	Back up heating capacity	kW	0.7		0.9		0.6		0.9		1.4		
EER <sup>*1</sup>	Cool		4.22		3.40		3.69		3.21		2.81		
COP <sup>*1</sup>	Heat		4.63		4.00		4.10		4.00		3.75		
Sound pressure level <sup>*3</sup> (Cool)	dB (A)	45		46		46		49		57			
Sound power level (Cool)	dB (A)	62		62		62		65		68			
Dimensions (W × H × D)	mm	890 × 645 × 290		890 × 645 × 290		890 × 645 × 290		890 × 800 × 320		890 × 800 × 320			
Net weight	kg	51		51		53		64		70			
Pipe diameter	Liquid side	inch	1/4 × 2		1/4 × 2		1/4 × 3		1/4 × 4		1/4 × 4		
	Gas side	inch	3/8 × 2		3/8 × 2		3/8 × 3		3/8 × 4		3/8 × 4 or 1/2 × 1		
Min.–Max pipe length (per indoor unit)	m	3–25		3–25		3–25		3–20		3–20			
Maximum length (total)	m	40		40		50		50		50			
Maximum chargeless length (total)	m	25		25		30		40		50			
Maximum height difference	m	10		10		10		10		10			
Refrigerant / GWP <sup>*6</sup>	kgCO <sub>2</sub> eq.	1975 (R410A)		1975 (R410A)		1975 (R410A)		1975 (R410A)		1975 (R410A)			
Operating range	Cool	°C	-10–43		-10–43		21–43		21–43		21–43		
(Outdoor)	Heat	°C	-15–24		-15–24		-15–24		-15–24		-15–24		

Indoor units		Wall Mounted				Floor Standing				Floor / Ceiling			
Model		AY-XPM7/XPC9/XPC12PHR		AY-XPC7/9/12JR		AY-XPM7/9/12FR		AY-XPC18LR		GS-XPM9/12/18FGR		GS-XPM7/9/12FR	
Sound pressure level (H/L)	dB (A)	7PHR:38/26, 9PHR:39/26, 12PHR:42/27		7JR: 36/26, 9JR: 37/26, 12JR: 40/27		7FR: 37/28, 9FR: 39/28, 12FR: 40/29		43/39		9FGR: 38/25, 12FGR: 40/26, 18FGR: 44/35		7FR: 34/27, 9FR: 38/29, 12FR: 39/30	
Sound power level (Cool) (H)	dB (A)	7PHR:53, 9PHR:54, 12PHR:56		7JR: 51, 9JR: 52, 12JR: 56		7FR: 52, 9FR: 54, 12FR: 56		58		9FGR: 53, 12FGR: 54, 18FGR: 60		7FR: 47, 9FR: 52, 12FR: 52	
Airflow volume (Cool) (H)	m <sup>3</sup> /min	7PHR:9.4, 9PHR:9.7, 12PHR:10.8		7JR: 8.9, 9JR: 9.1, 12JR: 10.5		7FR: 8.0, 9FR: 8.6, 12FR: 9.8		14.4		9FGR: 9.3, 12FGR: 10.6, 18FGR: 14.2		7FR: 7.5, 9FR: 8.7, 12FR: 10.4	
Dimensions W	mm	920		790		790		1,040		750		1,025	
H	mm	290		278		325		670		680			
D	mm	240		198		222		235		212			
Net weight	kg	10		10		10		12		17		31	

\*1 According to EN14511  
\*2 According to EN14825  
\*3 Sound pressure level is measured according to JIS C 9612. : 2005  
\*4 7: AY-XPM7PHR, AY-XPC7JR, AY-XPM7FR, GS-XPM7FR  
9: AY-XPC9PHR, AY-XPC9JR, AY-XPM9FR, GS-XPM9FR, GS-XPM9FGR  
\*5 Energy consumption "XYZ" kWh per year, based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

### Capacity Table

\*When the Multi inverter type is used to operate two or more indoor units simultaneously, the capacity of each indoor unit may be lower than that when operating only one indoor unit. Be sure to refer to the capacity table to select the appropriate models.

#### 2-indoor units with AE-X2M14LR

Operating status	Indoor unit combination				Power input (W)				Indoor unit combination				Power input (W)				
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	
12	9	2.17	1.63	3.8 (1.8–4.3)	2.51	1.89	4.4 (1.9–5.4)	900 (350–1,160)	950 (370–1,300)								
2-indoor unit operation	12	7	2.40	1.40	3.8 (1.8–4.3)	2.78	1.62	4.4 (1.9–5.4)	900 (350–1,160)	950 (370–1,300)							
9	9	1.90	1.90	3.8 (1.8–4.3)	2.20	2.20	4.4 (1.9–5.4)	900 (350–1,160)	950 (370–1,300)								
9	7	2.14	1.66	3.8 (1.8–4.3)	2.48	1.93	4.4 (1.9–5.4)	900 (350–1,160)	950 (370–1,300)								

\* When connected indoor unit is not in operation.

# Model lineup

		Inverter SINGLE TYPE							ON/OFF SINGLE TYPE	Inverter MULTI TYPE								
		Super Deluxe	Deluxe	Deluxe	Standard	Standard	Deluxe	Floor/Ceiling	Floor Standing	Super Deluxe	Deluxe	Deluxe	Deluxe	Floor Standing	Floor/Ceiling			
Capacity class	2.1 kW																	
	2.6 kW	AY-XPC9PHR	AY-XPC9RR	AY-XPC9JR	AY-XP9RMR	AY-X9RSR				GS-XP9FGR	CV-P10PR	AY-XPC9PHR	AY-XPC9RR	AY-XPC9JR	AY-XPM9FR	GS-XPM9FGR	GS-XPM9FR	
	3.5 kW	AY-XPC12PHR	AY-XPC12RR	AY-XPC12JR	AY-XP12RMR	AY-X12RSR				GS-XP12FGR		AY-XPC12PHR	AY-XPC12RR	AY-XPC12JR	AY-XPM12FR	GS-XPM12FGR	GS-XPM12FR	
	5.0 kW							AY-XPC18LR	GS-XP18FR	GS-XP18FGR								
	7.0 kW							AY-XP24LR										
Location (page)		9	10	11	12	13	14	15	15	16	17-18							
Operation																		
	Inverter Controlled Operation	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Full Power Mode	○	○	○			○	○	○		○	○	○	○	○	○	○	
	Turbo Cooling & Heating Operation				○					○								
	Lower Room Temperature Setting	○ from 16°C	○ from 16°C	○ from 18°C	○ from 16°C	○ from 18°C	○ from 18°C	○ from 18°C	○ from 18°C	○ from 18°C	○ from 16°C	○ from 16°C	○ from 18°C	○ from 18°C	○ from 18°C	○ from 18°C	○ from 18°C	
	Computerized Dry Mode Operation	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Auto Operation Mode	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Auto & 3-Step Fan Speed Settings	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Auto Restart Function	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Auto Changeover	○	○					○	○			○						
	Winter Cool Function	○	○	○			○	○	○		○	○	○	*Only with AE-X2M18KR or AE-X2M14LR	○	*Only with AE-X2M18KR or AE-X2M14LR	○	*Only with AE-X2M18KR or AE-X2M14LR
Airflow																		
	Multi Space Function	○									○							
	Spot Air		○				○				○		○		○			
	Coanda Airflow System	○		○			○				○		○		○			
	Long Coanda Airflow System		○								○							
	4-way Auto Air Swing		○			○					○		○		○			
	2-way Auto Air Swing	○		○	○	○		○	○	○	○		○		○		○	
	Dual (Upper & Lower) Airflow System							○									○	
Control Convenience																		
	Microcomputer Control	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	LCD Wireless Remote Control	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Timer	Programmable 24-Hour ON/OFF	Programmable 24-Hour ON/OFF	Programmable 24-Hour ON/OFF	Programmable 24-Hour ON/OFF	12-Hour ON/OFF	Programmable 24-Hour ON/OFF	Programmable 24-Hour ON/OFF	Programmable 24-Hour ON/OFF	12-Hour ON/OFF	Programmable 24-Hour ON/OFF	Programmable 24-Hour ON/OFF	Programmable 24-Hour ON/OFF	Programmable 24-Hour ON/OFF	Programmable 24-Hour ON/OFF	Programmable 24-Hour ON/OFF	Programmable 24-Hour ON/OFF	
	1-Hour OFF Timer	○ (1/2/3/5 hr)	○ (1/2/3/5 hr)	○			○ (1/2/3/5 hr)	○	○		○ (1/2/3/5 hr)	○ (1/2/3/5 hr)	○	○ (1/2/3/5 hr)	○ (1/2/3/5 hr)	○ (1/2/3/5 hr)	○ (1/2/3/5 hr)	
	"Awakening" Function	○	○	○			○	○	○		○	○	○	○	○	○	○	
	"Auto Sleep" Function	○	○	○			○	○	○		○	○	○	○	○	○	○	
Air Quality																		
	Plasmacluster Ion	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	
	Anti-Mold, Detachable & Washable Air Filter	○	○	○			○	○	○		○	○	○	○	○	○	○	
	Filter				Deodorizing Filter			Air Purifying Filter					Deodorizing Filter	Deodorizing Filter	Air Purifying Filter			
Additional Features																		
	Silent mode	○	○								○	○						
	Self Cleaning Function	○	○	○			○				○	○	○	○	○	○		
	Dual Drain Setting	○	○	○	○	○		○	○		○	○	○	○	○		○	
	Single/Multi Unit	○	○	○				○ 18LR Only			9/12PHR only	9/12RR only	9/12JR only		○			

\* Specifications are subject to change without prior notice due to product development.