Pioneer in unlocking hidden values of air
Inverter air conditioners go into energy-saving operation mode immediately once the set temperature is achieved. Sharp’s inverter air conditioners reduce energy consumption and increase performance efficiency using high power DC motors for the compressor and outdoor fan and a pulse linear expansion valve.

**Inverter is Cheaper than Normal Split AC with Better Cooling Comfort**

**Saving in Energy Cost in Inverter ACs**
(Compared to the same tonnage of Normal Split AC)

**Power Consumption Comparison**

<table>
<thead>
<tr>
<th>Capacity (Ton)</th>
<th>Yearly Savings in Electricity Bill (Rs.)</th>
<th>Saving @ 10 Years (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.8 Ton</td>
<td>4626</td>
<td>46260</td>
</tr>
<tr>
<td>1.1 Ton</td>
<td>6264</td>
<td>62640</td>
</tr>
<tr>
<td>1.5 Ton</td>
<td>9378</td>
<td>93780</td>
</tr>
<tr>
<td>2.0 Ton</td>
<td>14652</td>
<td>146520</td>
</tr>
</tbody>
</table>

Based on 8 hrs operation for 9 months/yr (for installation inside Pune)

Inverter air conditioners go into energy-saving operation mode immediately once the set temperature is achieved. Sharp’s inverter air conditioners reduce energy consumption and increase performance efficiency using high power DC motors for the compressor and outdoor fan and a pulse linear expansion valve.

1. **Quick cooling**
   Inverter air conditioners quickly reach the set temperature.

2. **Even temperature control**
   Inverter models keep the compressor running and reduce output (rather than shutting it off) when the room has reached its target temperature. This prevents temperature fluctuations and enables comfortable and even temperature control.

3. **Reduced discomfort from humidity**
   Inverter models operate continuously, hence reduce discomfort from humidity.

4. **Quiet operation**
   No operational noise is produced when the compressor shuts down with the inverter models.

**Advantages Of Inverter AC**

Inverter circuitry modifies and maintains room temperature by switching the compressor between high and low operation modes, instead of switching it on/off completely as non-inverter models do. This gives comfortable, even temperature control with high power savings.

**Normal Split AC is becoming Obsolete**

The World has moved on to Inverter Airconditioners

**Electronic Digital Control**

**Cooling Speed Comparison**

1.5 times faster

Cooling to 25°C from a 35°C starting temperature, room area: 16.5 m²
**Laundry Function**

The air conditioner blows air on wet clothing and moisture is transferred to the room’s interior, to be removed afterward with the dehumidifier function. This makes it easier to dry your laundry indoors. After five hours, laundry-drying operation switches to fan operation, which incorporates swing function and emission of Plasmacluster Ions. Drying laundry indoors can result in an unpleasant odour, largely due to leftover dirt and germs the washing machine failed to remove. With highly concentrated Plasmacluster Ions, however, odours are suppressed for refreshing cleanliness.

---

### Normal AC vs. Inverter AC: Room Sizes Catered

<table>
<thead>
<tr>
<th>ROOM SIZE (Approx area in sq. ft)</th>
<th>Normal AC</th>
<th>Inverter AC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Floor</td>
<td>Top Floor</td>
<td>1.0 Ton</td>
</tr>
<tr>
<td>1.0 Ton</td>
<td>110</td>
<td>90</td>
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<tr>
<td>1.5 Ton</td>
<td>160</td>
<td>130</td>
</tr>
<tr>
<td>2.0 Ton</td>
<td>210</td>
<td>170</td>
</tr>
<tr>
<td>2.5 Ton</td>
<td>290</td>
<td>215</td>
</tr>
</tbody>
</table>

Inverter AC can actually cool larger areas compared to normal AC of the same capacity.

### Savings in Energy Cost in Inverter ACs against Equivalent Cooling Capacity in Normal Split

<table>
<thead>
<tr>
<th>Normal AC Capacity</th>
<th>Estimated Expense/ Month (Rs.)</th>
<th>Equivalent Inverter Capacity</th>
<th>Estimated Expense/ Month (Rs.)</th>
<th>Yearly Savings in Electricity Bill (Rs.)</th>
<th>Saving @ 10 Years (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 Ton</td>
<td>1254</td>
<td>0.8 Ton</td>
<td>514</td>
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<td>1.5 Ton</td>
<td>2571</td>
<td>1.1 Ton</td>
<td>696</td>
<td>6264</td>
<td>62640</td>
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<tr>
<td>2.0 Ton</td>
<td>3960</td>
<td>1.5 Ton</td>
<td>1042</td>
<td>9378</td>
<td>93780</td>
</tr>
</tbody>
</table>

Inverter AC is cheaper than Normal AC

### NEW DELHI

**Tonnage for Sharp Inverter AC Reqd = 1.1 Ton**

Cost = Rs.37,990/-

**Tonnage for Sharp Normal AC Reqd = 1.5 Ton**

Cost = Rs.39,590/-

(a) Additional Cost of Inverter = Rs.2,600/-

(b) Saving for Inverter AC @ 10 Years = Rs.1.88 Lac

Net Savings for Inverter Ac in 10 Years (b-a) = 1.88 Lac

All calculations are based on Room Cooling of 150-170 sq.ft (130sq.ft. in Top Floor)

(All sample calculations are based on conditions in New Delhi )

---

### Laundry Function

The air conditioner blows air on wet clothing and moisture is transferred to the room’s interior, to be removed afterward with the dehumidifier function. This makes it easier to dry your laundry indoors. After five hours, laundry-drying operation switches to fan operation, which incorporates swing function and emission of Plasmacluster Ions. Drying laundry indoors can result in an unpleasant odour, largely due to leftover dirt and germs the washing machine failed to remove. With highly concentrated Plasmacluster Ions, however, odours are suppressed for refreshing cleanliness.

---

### Indoor Low Wattage in 2 Steps / Eco Mode

The air conditioner can be set to energy-saving mode via a two-stage adjustment. Power consumption is limited to the displayed value, reducing electricity costs and preventing over-cooling.

### Digital Indicator

- Instant Low Wattage in 2 Steps / Eco Mode
- R410A Refrigerant
- Available in select models

### LED Indicator

- R410A Refrigerant and have no adverse impact on the ozone layer when in use. Sharp’s inverter models contribute to the environment and promote eco-friendly living.
Precise control to match any situation or mood

Super Jet - Fast, strong airflow for instant cooling

Large fan and reversible louver construction enable even more powerful cooling than ever before.

Downward air volume is stronger compared with conventional Powerful Jet functions, enabling faster cooling for your body and the room.

Incredible air flow up to 11 mtr.

Air velocity comparison

<table>
<thead>
<tr>
<th>Model</th>
<th>Air outlet</th>
<th>Air velocity</th>
<th>Air volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conventional</td>
<td>7.0 m/s</td>
<td>15.2 m³/min</td>
<td></td>
</tr>
<tr>
<td>SUPER JET</td>
<td>9.5 m/s</td>
<td>16.8 m³/min</td>
<td></td>
</tr>
</tbody>
</table>

10% increase!

Thanks to an air velocity higher than conventional air conditioners, you feel cooler with Super Jet.
**Powerful Jet**

**Powerful airflow directed straight at the body.**
Delivers a powerful blast of cool air. When you stand in front of the air conditioner, you can feel the cool breeze on your entire body. For times when you want to cool down quickly, this offers relief from hot, humid weather, after exercise or other exertion.

**Gentle airflow for considerate cooling**

**Gentle Cool Air - Using COANDA technology**

**All-embracing airflow from the ceiling to the walls.**
Cool air spreads throughout the room, creating a pleasant environment for everyone. Its indirect breeze makes this mode ideal for use when pregnant women, the elderly, and others who may be sensitive to low temperatures are present. The soft flow of air also makes it easy to sleep.

---

**The secrets to creating a gentle, cool room environment**

- Sharp has researched the effects of moving air on temperature. According to the Coanda effect*, a moving gas or fluid leaving a nozzle tends to follow nearby surfaces, and cold air tends to move down. By delivering cold air towards the ceiling, Sharp’s technicians have designed a system that cools the whole room gently and evenly.

---

* The Coanda effect was discovered in 1930 by worldwide aerodynamicist H. M. Coanda, born in Romania in 1885.

---

**Powerful Jet Cooling Speed Comparison**

<table>
<thead>
<tr>
<th>Model</th>
<th>Room Temp. (°C)</th>
<th>Cooling capacity: 9000 BTU/h, room area: 13.2 m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conventional model</td>
<td>30°C</td>
<td>Faster: 30% faster than conventional models.</td>
</tr>
<tr>
<td>Powerful Jet</td>
<td>28°C</td>
<td>Faster: 28% increase!</td>
</tr>
</tbody>
</table>

The new model reaches the set temperature approx. 30% faster than conventional models, as shown in the graph above. Powerful Jet cools the room quickly, so you don’t have to wait to relax.

---

**Strong and direct air**

<table>
<thead>
<tr>
<th>Air outlet</th>
<th>Air velocity: 5.7 m/s</th>
<th>Air volume: 7.8 m³/min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air outlet</td>
<td>Air velocity: 6.4 m/s</td>
<td>Air volume: 10 m³/min.</td>
</tr>
</tbody>
</table>

The Powerful Jet function lowers the temperature even more because of the high air volume and velocity of the cool air that it produces.
Sharp’s unique “Nature Wing” fan blades modeled after nature

**ENERGY EFFICIENCY**

Indoor unit

Air circulation efficiency boosted by approx. 30%*¹

(comparison by Sharp)

**Dragonfly wings reduce air friction**

A dragonfly’s wings have ridged surfaces that generate miniscule air eddies during flight. These eddies function like ball bearings to make flight smoother with less effort. The cross flow fans in indoor units feature blades modeled to this shape, which optimally harness the flow of air to boost air circulation efficiency.

**Cross-section of new dragonfly-wing-shaped fan blade**

Ridges on surface generate air eddies that function like ball bearings

**Maximizing energy efficiency through proprietary energy-saving technologies**

**Outdoor unit**

**Lighter-weight fan can handle more powerful airflow**

The fan blade modeled to dragonfly wings expels air efficiently, enabling a lighter-weight fan that at the same time can handle a powerful airflow. The design reduces resource consumption as well.

**New outdoor unit fan**

Weight 496 g

**Approx. 30% lighter**

**Less consumption of electricity for more air**

With improved air circulation efficiency, electricity consumption is reduced by approximately 20% at the same airflow volume.

**Airflow volume and electricity consumption comparison**

Descriptions on this page primarily apply to the A-SX Series. *¹ Comparison of electricity used for motor in conventional model and A-SX Series with the same airflow volume. (Conventional model: 51 W, A-SX: 36 W)
for increased circulation efficiency

Outdoor unit
Air circulation efficiency boosted by approx. 20%**
(comparison by Sharp)

Albatross wings - ideal for long-distance flight
Among all birds, the albatross has the greatest gliding power and can stay aloft continuously for tens of thousands of kilometers. It can do so, thanks to its narrow, pointed planar wings. This wing design is applied to the fan blades in outdoor units. The air eddies generated around the fan are made smaller, minimizing air resistance and boosting air circulation efficiency.

Golden eagle wings provide optimum airstream control
Golden eagles are capable of stable flight even in severe air turbulence. The secret is in their multipronged, balanced wing tips, which fasten on to wind currents like spikes and stabilize the bird’s position. This wing design is applied to the fan blades in outdoor units, effectively capturing the airstream and boosting air circulation efficiency.

Nature Wing technology has been highly acclaimed by multiple evaluators in Japan.

The Promotion Foundation for Electrical Science and Engineering, 2010
OHM Technology Award
For development of an outdoor air conditioner unit propeller fan with lighter weight and greater efficiency through adaptation of planar forms of bird wings
(Awarded for A-SX Series, AF-ARXS/C/ARXS models)

The Japan Society of Mechanical Engineers, 2010
Japan Society of Mechanical Engineers (Kansai Chapter) Engineering Award
For development of a lightweight, high-efficiency propeller fan through biometric science (adaptation of planar forms of bird wings)
(Awarded for A-SX Series, AF-ARXS/C/ARXS models)

*2 Comparison of electricity used for motor in conventional fan and bird-wing-shaped fan with the same airflow volume. (Conventional fan: 61.4 W; bird-wing-shaped fan: 51 W)
Plasmacluster technology

Plasma discharge generates and releases the same positive and negative ions that occur in nature. Sharp’s unique Plasmacluster bacteria-removing technology suppresses airborne viruses, and breaks down and removes airborne mold and other contaminants. Incorporated not only in a variety of Sharp products, the Plasmacluster Ion technology has also been adopted by many other industries in a variety of products, from automobiles to elevators and toilets.

Plasmacluster Mechanism to Remove Microbes

The ions are long-lasting* because they are surrounded by water molecules.

1. **Ions are released**

Plasmacluster Ions, the same positive and negative ions found in nature, are generated by plasma discharge and released into the air.

* Verified in Sharp test comparisons of ions not surrounded by water molecules.

2. **The broken-down components return to the air as water.**

The hydroxide (OH) radicals combine with hydrogen (H) to form water (H₂O), which return into the air.

3. **The ions act on airborne microbes.**

The ions form hydroxide (OH) radicals that are highly oxidizing only when they adhere to the surfaces of mold and viruses. They instantly remove the hydrogen from the surface proteins, breaking them down.

---

**Air purifiers and ion generators with Plasmacluster technology can prevent the action of airborne viruses, as well as reduce the effects of suspended allergens generated by dust mites, feces and dead mites by breaking them down, but Plasmacluster cannot create a completely sterile environment, nor ensure prevention of infection.**

* The actual number of ions and effectiveness of microbe removing and purifying depend on the room conditions and the operation methods, including room size and shape, whether air conditioning or ventilation is used, product placement, direction of ion discharge, and operation mode.

*1 Airborne viruses are suspended in a 1m³ box, and the percentages of the viruses removed after 10 minutes are measured. Suspended microbes subjected to Plasmacluster air purification are measured after 38 minutes in a testing room of about 40 m².

Test results may differ from results in actual room conditions. *2 The effectiveness depends on the surrounding conditions (e.g., temperature, humidity and airflow), usage time and method.
**Plasmacluster Ions**

* The number in this technology mark indicates an approximate number of ions supplied into air of 1 cm³, which is measured around the center of a room (at 1.5 m height above the floor) at the maximum wind volume, when an air conditioner using the high-density Plasmacluster Ion device is placed at the mentioned floor area. This product is equipped with a device corresponding to this capacity.

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**Plasmacluster Ions spread throughout the whole room, cleaning the air.**

---

**Plasmacluster Ions clean the air indoors as well as break down and remove unwanted odors.**

The air inside ordinary houses contains invisible, harmful organisms such as bacteria and viruses. Sharp’s unique Plasmacluster technology, installed in your air conditioner, uses the actions of positive and negative ions to clean up these airborne contaminants and create a pleasant living space.

---

The air inside a typical home contains a lot of mold and viruses.
Effective against Airborne Viruses

**Effects on Airborne Viruses**

*(Actual reduction rate may differ according to room conditions and the model in use)*

- **Without Plasmacluster Ions:** 100% residual rate
- **With Plasmacluster Ions:** 99.7% residual rate

*Test method: A Plasmacluster ion generator single operation in an experimental room of approximately 11.0-square meters. Mode of operation: Plasmacluster ion generator single operation. Temperature inside the room: 21˚C, Humidity: 53% RH. Test report No.: 190009*

Effective against Airborne Mold Spores

**Effects on Airborne Mold Spores**

*Test results for other test substances carried out by the same test institution at the same time have not been shown.*

Self Cleaning Function

Plasmacluster Ions minimize the growth of mold inside the air conditioner.

While air blow and dry operations are performed for about 40 minutes, Plasmacluster ions are blown through the interior of indoor equipments. This prevents odour-causing mold from growing on the surface of the heat exchanger.

(Note: Mold already formed cannot be removed)

Test method: Measurements taken at Sharp’s laboratory using the AP-P1KX model (Japanese model). At an outdoor room temp. of 25˚C and humidity of 70%, a cycle consisting of one hour of cooling operation, 40 minutes of internal cleaning, and 20 minutes OFF was conducted for 14 days. Visual mold sensor manufactured by the Institute of Environmental Biology.

Even the inside stays clean using Plasmacluster Ions!

Count on Sharp for clean and healthy air

Proven at 13 Institutions in Japan and around the World

- **Airborne viruses:**
  - Sendai University (Japan)
  - Shanghai Municipal Center for Disease Control and Prevention
  - Retroscreen Virology, Ltd. (UK)
  - Kitasato University Kitasato Institute Medical Center Hospital (Japan)
  - Kitasato Research Center of Environmental Sciences (Japan)
- **Adhering viruses:**
  - Shanghai Municipal Center for Disease Control and Prevention
  - Professor Gerhard Artmann, Aachen University of Applied Sciences (Germany)
  - Harvard School of Public Health (USA)
  - Kitasato University Kitasato Institute Medical Center Hospital (Japan)
  - Kitasato Research Center of Environmental Sciences (Japan)
  - Ishikawa Health Service Association (Japan)
- **Airborne allergens:**
  - Shanghai University Graduate School of Advanced Sciences of Matter (Japan)
  - Osaka City University Graduated School of Biochemistry & Molecular Pathology (Japan)
- **Airborne mold:**
  - Professor Gerhard Artmann, Aachen University of Applied Sciences (Germany)
  - Ishikawa Health Service Association (Japan)
  - Kitasato University Kitasato Institute Medical Center Hospital (Japan)
  - Kitasato Research Center of Environmental Sciences (Japan)
- **Adhering mold:**
  - Japan Spinners Inspecting Foundation
  - Professor Gerhard Artmann, Aachen University of Applied Sciences (Germany)
  - Osaka City University Medical School’s Department of Biochemistry & Molecular Pathology (Japan)
  - Hiroshima University Graduate School of Advanced Sciences of Matter (Japan)
  - Kitasato Research Center of Environmental Sciences (Japan)
  - Kitasato University Kitasato Institute Medical Center Hospital (Japan)
  - Retroscreen Virology, Ltd. (UK)
  - Shanghai Municipal Center for Disease Control and Prevention
  - Professor Gerhard Artmann, Aachen University of Applied Sciences (Germany)
  - Osaka City University Medical School’s Department of Biochemistry & Molecular Pathology (Japan)
  - Hiroshima University Graduate School of Advanced Sciences of Matter (Japan)
  - Kitasato Research Center of Environmental Sciences (Japan)
  - Kitasato University Kitasato Institute Medical Center Hospital (Japan)
  - Retroscreen Virology, Ltd. (UK)
  - Shanghai Municipal Center for Disease Control and Prevention

Used in a variety of industries

Plasmacluster Ion technology is recognized and used across a wide range of industries. In collaboration with a number of companies, Sharp has expanded the Plasmacluster Ion technology to the following industries:

- **Automotive air purifiers**
- **Automotive Plasmacluster Ion systems**
- **Air conditioning systems for large tourist buses**
- **Space with walk-in cooler**
- **Hot water dryers**
- **Bidet seats**
- **Toilets with air purification for trains**
- **Bath/ drying systems**
- **Gas heaters**
- **Air conditioners for babies**
- **Air sanitization devices**
- **Air purification for trains**

Used in over 30 million products in 10 years

In the ten years since its release, Plasmacluster Ion-equipped products have exceeded the 30-million-unit mark. Sharp aims to bring the benefits of Plasmacluster Ions to every air space.
Torque Control Technology
Controlling the load torque generated by the compressor rotation by combining it with the motor torque.

Substantial reduction of sound and vibration of Rotary compressor

Sine Wave Drive System

Conventional/competition Aircons (120°Rectangular Wave)
Sharp Aircons (180°Sine Wave)

(1) Improvement in Motor efficiency for greater Energy Saving (2) Drastically reduced Mechanical sound at high RPM area

Dew Point Temperature is the new High in Sharp ACs.

Low Dew point in most ACs causes misting (bad for lungs) and water dripping (bad for indoors)

High AirFlow in Sharp Machines = 913 CMH (Actual)

Lowest misting & water dripping in Sharp ACs
## TECHNICAL SPECIFICATIONS

### Normal

<table>
<thead>
<tr>
<th>Model</th>
<th>AH-A9LET</th>
<th>AH-A12LET</th>
<th>A-AP18NMT</th>
<th>AH-AP18NHT</th>
<th>AH-AP24NMT</th>
<th>AH-XP10LV</th>
<th>AH-AP18CMT</th>
</tr>
</thead>
</table>

#### APPEARANCE

- OPEN COLOR PANEL: WHITE

#### CAPACITY (TON)

- 0.75

#### STAR RATING

- 13.35

#### CAPACITY (W)

- 2.56kW

#### POWER INPUT (W)

- 960W

#### EER (W/W)

- 2.67

#### RUNNING CURRENT (A)

- 4.2A

#### REFRIGERANT

- R22

#### RATED POWER

- 230V/50Hz

#### SOUND LEVEL (db)

- 38dB

#### AIR FLOW RATE (CMH)

- 564CMH

#### DIMENSIONS INDOOR UNIT (WXHXD)

- 860x292x205mm

#### NET WEIGHT ( Indoor ) ( Kg )

- 8.5kg

#### ECO MODE / INSTANT LOW WATTAGE (2 STEPS)

- (1 step)

#### SINE WAVE DRIVEN SYSTEM

- -

#### PLASMACLUSTER ION

- -

#### SELF CLEANING

- -

#### GENTLE COOL AIR SYSTEM

- Coanda

#### INVERTER CONTROLLED OPERATIONS

- -

#### POWERFUL JET

- -

#### AUTO & 3-STEP FAN SPEED SETTINGS

- -

#### SLEEP MODE

- -

#### MICRO COMPUTER CONTROL

- -

#### LCD WIRELESS REMOTE CONTROL

- -

#### LED DIGITAL DISPLAY

- -

#### LOW VOLTAGE WORKING

- 198V

#### HIGH MAX OPERATING TEMPERATURE DEGREE

- @46°C

#### NYLON+ SELF LOCKING THUMBLE (Wiring Harness)

- -

#### PROTECTION FROM LIGHTING SURGE

- -

#### SHEET METAL CONTROL BOX

- -

#### FIRE RETARDANT GRADE EPS

- -

---

1) For selected Inverter Models, EER is calculated as "EER Weighted" as per Singapore Test Standard (As Indian Test Standard doesn't exist for Inverter Models)

2) For continuous improvement time to time. All specifications mentioned above can be changed without prior notice.

3) Appearance depicted above might be different in original model.
<table>
<thead>
<tr>
<th>Inverter</th>
<th>Multi Split</th>
<th>Window</th>
</tr>
</thead>
<tbody>
<tr>
<td>-XP13LV</td>
<td>-</td>
<td>-</td>
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<tr>
<td>AH-X13PET</td>
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<td>4.18*</td>
<td>4.18*</td>
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Features

### Performance of Multi Type Capacity Table

<table>
<thead>
<tr>
<th>Indoor unit combination</th>
<th>Limiting current</th>
<th>Outdoor unit: System 3</th>
<th>Indoor units (3 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Room</td>
<td>8 A</td>
<td>AH-XPC12MV</td>
<td>2.8 kW</td>
</tr>
<tr>
<td></td>
<td>12 A</td>
<td>AH-XPC12MV</td>
<td>3.4 kW</td>
</tr>
<tr>
<td></td>
<td>18 A</td>
<td>AH-XPC12MV</td>
<td>4.0 kW</td>
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### Specifications

<table>
<thead>
<tr>
<th>Indoor unit</th>
<th>Capacity class</th>
<th>Model</th>
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</thead>
<tbody>
<tr>
<td>9</td>
<td>2.6 kW</td>
<td>AH-XPC9MV</td>
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<tr>
<td>12</td>
<td>3.4 kW</td>
<td>AH-XPC12MV</td>
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<tr>
<td>18</td>
<td>5.0 kW</td>
<td>AH-XPC18MV</td>
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### 3-inrdoor units with AU-X3M24MV

<table>
<thead>
<tr>
<th>Indoor unit combination</th>
<th>Limiting current</th>
<th>Operating status</th>
<th>Power input (W)</th>
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</thead>
<tbody>
<tr>
<td>2-Room</td>
<td>18 A</td>
<td>OFF</td>
<td>6.0 (1.9-7.2)</td>
</tr>
<tr>
<td></td>
<td>12 A</td>
<td>OFF</td>
<td>4.7 (1.8-6.4)</td>
</tr>
<tr>
<td></td>
<td>6.6 (1.8-6.4)</td>
<td></td>
<td>7.0 (2.1-7.7)</td>
</tr>
<tr>
<td>3-Room</td>
<td>18 A</td>
<td>OFF</td>
<td>6.0 (1.9-7.2)</td>
</tr>
<tr>
<td></td>
<td>12 A</td>
<td>OFF</td>
<td>4.7 (1.8-6.4)</td>
</tr>
<tr>
<td></td>
<td>6.6 (1.8-6.4)</td>
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<td>7.0 (2.1-7.7)</td>
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</table>

### Cool (Dry) Example of indoor unit combinations

<table>
<thead>
<tr>
<th>Indoor unit combination</th>
<th>Limiting current</th>
<th>Operating status</th>
<th>Power input (W)</th>
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</thead>
<tbody>
<tr>
<td>1-Room</td>
<td>18 A</td>
<td>OFF</td>
<td>6.0 (1.9-7.2)</td>
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<tr>
<td></td>
<td>12 A</td>
<td>OFF</td>
<td>4.7 (1.8-6.4)</td>
</tr>
<tr>
<td></td>
<td>6.6 (1.8-6.4)</td>
<td></td>
<td>7.0 (2.1-7.7)</td>
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### COP

<table>
<thead>
<tr>
<th>Indoor unit combination</th>
<th>Limiting current</th>
<th>Operating status</th>
<th>Power input (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Room</td>
<td>18 A</td>
<td>OFF</td>
<td>6.0 (1.9-7.2)</td>
</tr>
<tr>
<td></td>
<td>12 A</td>
<td>OFF</td>
<td>4.7 (1.8-6.4)</td>
</tr>
<tr>
<td></td>
<td>6.6 (1.8-6.4)</td>
<td></td>
<td>7.0 (2.1-7.7)</td>
</tr>
</tbody>
</table>
### Additional Features

**Turbo Operation**
In this operation, the air conditioner works at “Extra-high” speed to cool the room quickly.

**Inverter Controlled Operation**
This function features a quick cooling operation and decreases fluctuation in temperature and reduces power consumption.

**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.

**Filter Sign**
This function indicates when it is time to clean the air filter.

### Air Quality

**High-Density Plasmacluster Ions**
High-Density Plasmacluster Ions clean the room air powerfully and quickly. Plasmacluster technology is Sharp’s original air purifying technology that removes suspended airborne mold and viruses.

*The number in this technology mark indicates an approximate number of ions supplied into air of 1 cm³, which is measured around the center of a room area 1.5 m height above the floor at the maximum wind volume, when an air conditioner using the high-density plasmacluster ion device is placed in a room with the applicable floor area. This product is equipped with a device corresponding to this capacity.

**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.

**Green Filter + Ag+**
To inhibit bacterial growth on the filter.

**Anti-Mold, Detachable & Washable Air Filter**
(for split & window ACs)

### Control Convenience

**Microcomputer Control**

**LCD Wireless Remote Control**

**24-Hour ON/OFF Programmable Timer**
The start and stop time (hour and minute) can be set at the 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.

**Sleep Mode Function**
This function alternates On and Off during Off-timer operation, so that it delivers comfortable cooling while sleeping. This function works with OFF Timer.

**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.

**Instant Low Wattage Button**
Pressing this button before the room temperature reaches the set temperature instantly puts the unit into low-power mode.

**4-way Auto Swing**
Automatic vertical & horizontal airflow is available in order to make the room uniformly cool.

**Auto Swing Louver**
Automatic vertical airflow is available in order to make the room uniformly cool.

### Operation

**Laundry Function (Powerful Dry and Deodorant)**
To dry and deodorize hanging clothes inside the house with Powerful Jet and HD7000 PCI.

**Nature Wing**
The Nature Wing fan design is modeled after nature and creates a more efficient airflow that results in energy-saving operation (in both indoor and outdoor units).

**Inverter Controlled Operation**
This function features a quick cooling operation and decreases fluctuation in temperature and reduces power consumption.

**Super Jet**
Super Jet delivers powerful cool air downward and cools the room and your body quickly.

**Powerful Jet**
In this operation, the air conditioner delivers incredibly strong and cool air to cool the room instantly.

**Powerful Swing**
In this operation, the automatic louver swing delivers incredibly strong and cool air uniformly around the room.

**Gentle Cool Air System (COANDA Technology)**
This function provides cold air traveling up the ceiling during cooling operation in order to avoid direct airflow.

**Low Wattage Type**
Larger evaporators and condensers enable these models to operate with greater energy efficiency.

**Full Power Mode**
In this operation, the air conditioner works at the maximum power to rapidly cool the room.

**Turbo Operation**
In this operation, the air conditioner works at “Extra-high” speed to cool the room quickly.

**Lower Room Temperature Setting (from 16˚C)**
In cooling operation, room temperature can be set from 16 ˚C.

**Lower Room Temperature Setting (from 18˚C)**
In cooling operation, room temperature can be set from 18 ˚C.

**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.

**Filter Sign**
This function indicates when it is time to clean the air filter.
## Industry’s Best Installation Kit

<table>
<thead>
<tr>
<th>Sharp</th>
<th>Brand-D</th>
<th>Brand-L</th>
<th>Brand-S</th>
<th>Brand-H</th>
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<td>4m XPE Insulation(white)</td>
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## New Standard for Customer Care Service

Our Slogan: “Only One, One & One”

- Call back customer within **1 Hour**
- Solution in **1 Day**
- Replace product within **1 Week (if not repaired)**

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sharp@service007.com

www.sbsil.com/service

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**South:** Bangalore: 080-40823404, 22353535-38, Chennai: 044-28172538, Coimbatore: 0422 9940657627, Hyderabad: 040-66661001, 666661003-6, Kochi: 0484-4118222, 4118211