

**Coolwave AC Unit is proven to perform at a level which exceeds all expectations. Place your trust in a company that's been in business for more than three decades. Place your trust in Coolwave.**

## **COOLWAVE AIR CONDITIONERS**

- All outdoor units are designed to perform satisfactorily at 52°C, with the option of either top discharge condensing units, with Copeland reciprocating scroll compressors. All top discharge condensing units have factory installed low/high pressure switches, time delay relay and strainer in the refrigerant circuit. All condenser fan motors are having Class F insulation. The condensers coils are made of pre coated aluminium fins for corrosion resistance and are protected by plastic wire mesh and G.I wire guard.
- All side discharge units are having high pressure switch (LP switch- Optional) and time delay relay. Compressors are scroll type, Copeland make.
- All decorative type indoor units are having auto air swing for the uniform distribution of cold air.
- Ducted Type indoor units are installed with 5 speed fan motors, to cater to a wide range of external static requirements.
- Coolwave air cooled chillers are equipped with Copeland scroll compressors, plate type heat exchangers, built in chilled water pump and microprocessor control system. Standard accessories include LP, HP switches, time delay relays liquid receiver, filter drier etc. Optional accessories include low and high pressure gauges, heavy corrosion coating for condenser coils, fan cycling control for low ambient operation.

## WINDOW AC UNITS

### Features

- Energy efficient, powerful and quiet reciprocating compressor
- Casing made of electro galvanized steel with powder coated paint
- Easy installation and maintenance with sliding chassis.
- 2 Row condenser coils made of inner grooved copper tubing designed for smooth operation at high ambient conditions, even at 52°C.
- Evaporator made of inner grooved copper tubing and pre-coated aluminium fins with blue anti corrosive hydrophilic coating for maximum heat transfer.
- Motorized, oscillating rear vertical louvers and front manually adjustable horizontal louvers to cool the room without hot spots.
- Easy slide out anti mold air filter.
- Damper control for fresh air.
- Four way air deflection system
- ABS white colour front grille to match any room décor.

### Options

- Heating System
- Anti-corrosion gold fin for the condenser coils.

## WALL MOUNTED AC UNIT

### Indoor Unit Features

- Perfectly sized and matched indoor and outdoor unit.
- Matches any room décor with modern design and neutral colour.
- Adjustable auto swing louver.
- Anti-freeze control.
- Auto restart.
- Mold proof air filter for clean, fresh and healthy air.

### Outdoor Unit Features

- Made of heavy gauged galvanized steel with electrostatic power paint.
- Ultra quiet unit operation.
- High pressures switch for added protection for the compressor.
- 3 minute solid state compressor time delay.
- Outdoor unit designed for easy installation and maintenance.

### Control

- Full function easy to operate LCD wireless remote control.
- 3 fan speeds and auto fan mode.
- Cool, Dry and Fan only modes.
- Sleep Function.
- On and off timer.

### Options

- Wired remote control Heat Pumps units.
- L.P switch
- Top Discharge Condensing Units
- 60Hz units

## FLOOR/CEILING TYPE AC UNITS

### Indoor Unit Features

- Efficiently Elegant

The high tech slim design is attractive and occupies the minimum of space. The front panel is designed to provide excellent air distribution and cooling efficiency.

- Quiet Operation

The interior of the units are specially insulated providing not only cool but also noise-free comfort. State of the art engineering ensures condensation control.

- Fingertip control

The latest advances in air conditioning technology enable simple and convenient adjustments or temperature air flow with soft touch control.

- Economical

Continuous improvement in product design allows quick and easy installation. Major components such as air the vane, Coils and simple maintenance, insure low running costs.

## CASSETTE TYPE AC UNITS

### Indoor Unit Features

- Slim, attractive design
- Auto air swing louvers for better comfort
- 4 way directional air flow

### LCD Wireless Controller Features

- Three choices of operation modes (cool, dry, fan) for cooling only models.
- Five operation modes (cool, dry fan heat, auto) for heat pump models.
- 24 hours on/off timer setting.
- Auto control sleep mode.
- Real time clock.
- Auto re-starts.

## FREE STANDING AC UNITS

### Indoor Unit Features

- Efficiently Elegant  
The high tech slim design is attractive and occupies the minimum of space. The front panel is designed to provide excellent air distribution and cooling efficiency.
- Quiet Operation  
The interior of the units are specially insulated providing not only cool but also noise free comfort. State of the art engineering ensures condensation control.
- Wireless Remote Control  
The latest advances in air conditioning technology enables simple and convenient adjustments of temperature, air flow with the wireless handset.
- Economical  
Continuous improvement in product design allows quick and easy installation. Major components such as air the vane, coils and simple maintenance, insure low running costs.

### Outdoor Unit Features

- Made of heavy gauged galvanized steel with electrostatic power paint.
- Ultra quiet unit operation.
- High pressures switch for added protection for the compressor.
- 3 minute solid state compressor time delay.
- Outdoor unit designed for easy installation and maintenance.

### Options

- Heat Pump Units.
- L.P Switch
- Top Discharge Condensing Units.
- 60Hz units

## DUCTED SPLIT AC UNIT:

### Indoor Unit Features

- Ultra slim low profile space saving design.
- Casing made of galvanized steel with electrostatic powder paint.
- Drain tray coated with bitumen compound for corrosion resistance.
- Ultra quiet operation due to the well balanced centrifugal fan.
- Evaporator made of rifled copper tube and aluminium slit fins for maximum heat transfer.
- Factory installed easy removable and washable air filter.
- Bottom access for the blower and motor assembly for easy maintenance.

### Option

- Wired soft touch and wireless remote controller.
- 24 hours programmable timer.
- 60Hz units available upon request.

### Outdoor Unit

- Made of heavy gauged galvanized steel with electrostatic powder paint.
- Low noise, high efficiency scroll compressor.
- Ultra quiet unit operation.
- High pressures switch for added protection for the compressor.
- 3 minute solid state compressor time delay.
- Outdoor unit designed for easy installation and maintenance.
- Condensing unit guaranteed to perform even at 52°C DB.

## CHILLED WATER FAN COIL UNITS

### Low Static Application (Standard)

#### Features

- Unit Casing: Made of galvanized steel, with 0.8mm thick for top, bottom and side panels. The complete unit is electro statically powder painted. The unit is insulated with 5mm thick closed cell foam insulation for thermal and acoustic insulation.
- Drain Tray: Is made of 0.8mm galvanized steel and is coated with Bitumen paint for corrosion resistance. The drain tray is insulated with 5mm thick closed cell foam insulation to prevent condensation.
- Chilled Water Coils: The coils are made with highly efficient aluminium corrugated fins, which are mechanically bonded to 3/8" OD seamless copper tubes. All coils are specifically designed for chilled water. All coils are leak tested at 450psi. The chilled water coils are 3 rows, 12FPI for all the models from SCA 012W-L to SCA 036W-L and 4 rows, 12FPI for models SCA 048W-L and SCA 060W-L. The coils are provided with manual air vent for all the models, from 1.5 TR to 5.0TR.
- Blower: Centrifugal blowers are made of plastic for models from SCA 012W-L to SCA 036W-L and for models SCA 048W-L to SCA 060W-L, blower wheels are made of aluminium. The blowers are direct drive, double inlet, statically and dynamically balanced with motor and are selected for high efficiency.
- Blower: centrifugal blowers are made of plastic for models from SCA 012W-L to SCA 036W-L and for models SCA 048W-L to SCA 060W-L, blower wheels are made of aluminium. The blowers are direct drive, double inlet, statically and dynamically balanced with motor and are selected for high efficiency.
- Filters: Factory installed permanent washable aluminium filters are provided as standard for all models.
- Fan Motors: All **Coolwave** "SCAW-L" series indoor units are provided with 3 speed fan motors. All fan motors have built in internal overloads. Fan motors are permanent split capacitor type, with permanently sealed and lubricated ball bearings.
- Compact Design: The heights of the units are only 262mm for models from 1.5 TR to 3.0 TR and 313mm for 4.0TR & 5.0TR models, for easy installation above false ceilings.

### Low Static Application (District Cooling)

#### Features

- Unit Casing: Made of galvanized steel, with 0.8mm thick for top, bottom and side panels. The complete unit is electro statically powder painted. The unit is insulated with 5mm thick closed cell foam insulation for thermal and acoustic insulation.



- Drain Tray: Is made of 0.8mm galvanized steel and is coated with Bitumen paint for corrosion resistance. The drain tray is insulated with 5mm thick closed cell foam insulation, to prevent condensation.
- Chilled Water Coils: The coils are made with highly efficient aluminium plate fins, with blue hydrophilic coating, which are mechanically bonded to 3/8" OD seamless copper tubes. All coils are specifically designed for chilled water. All coils are leak tested at 450psi. The chilled water coils are 4 rows, 12FPI for all the models from SCA 012W L-DC to SCA 048W L-DC for 5 rows, 12 FPI for models SCA 060W L-DC. The coils are provided with manual air vent for all the models, from 1.5TR and 5.0Tr.
- Blower: Centrifugal blowers are made of plastic for models from SCA 012W L-DC to SCA 036W L-DC and for models SCA 048W L-DC to SCA 060W L-DC, blower wheels are made of aluminium. The blowers are direct drive, double inlet, statically and dynamically balanced with motor and are selected for high efficiency.
- Filters: Factory installed permanent washable aluminium filters are provided as standard for all models.
- Fan Motors: All **Coolwave** "SCAW L-DC" series indoor units are provided with 3 speed fan motors. All fan motors have built-in internal overloads. Fan motors are permanent split capacitor type, with permanently sealed and lubricated ball bearings.
- Compact Design: The heights of the units only 262mm for models from 1.5 TR to 3.0TR and 313mm for 4.0Tr & 5.0TR models, for easy installation above false ceilings.

### Medium Static Application (Standard)

#### Features

- Unit Casing: Made of galvanized steel, with 1.0mm thick for top and bottom panels and 0.8mm for side panels. The complete unit is electro statically powder painted. The unit is insulated with 5mm thick closed cell foam insulation for thermal and acoustic insulation.
- Drain Tray: Is made of 0.8mm galvanized steel and is coated with Bitumen paint for corrosion resistance. The drain tray is insulated with 5mm thick closed cell foam insulation, to prevent condensation. Extended drain tray is available as an option.
- Cooling Coils: The coils are made with highly efficient aluminium plate fins, which are mechanically bonded to 3/8" OD seamless copper tubes. All coils are specially designed for chilled water applications. All coils are leak tested at 450psi. The coils are 4 rows, 12FPI and with manual air vent for all the models, from 1.5TR to 5.0TR.
- Chilled Water pipe connections: Units are supplied with flare type connections as standard. Male thread G.I pipe connections are also available.
- Blower: Centrifugal blowers, made of aluminium are direct drive, double inlet, double width, statically and dynamically balanced with motor and are selected for high efficiency.

- Air Filters: Factory installed, permanent washable aluminium filters, 12mm are provided as standard for all models.
- Fan Motors: All **Coolwave** “SCA” series chilled water fan coil units are provided with 5 speed fan motors, to cater to a wide range of external static pressures. All fan motors have built-in internal overloads. Fan motors are permanent split capacitor type, with permanently sealed and lubricated ball bearings.
- Construction: Units are constructed with double air outlet for all models except 1.5TR and 2.0 TR. For double outlet configuration, duct flanges are provided in such a way that, ducting can be performed for “Y” connection or for single duct.
- Compact Design: The heights of the units are only 305mm for all the models from 1.5TR to 5.0TR, for easy installation above false ceilings.
- Easy Maintenance: The access for the blower assembly and fan motor is from the bottom of the unit, which makes the maintenance simple.

### **Medium Static Application (District Cooling)**

#### **Features**

- Unit Casing: Made of galvanized steel, with 1,0mm thick for top and bottom panels and 0.8mm for side panels. The complete unit is electro statically powder painted. The unit is insulated with 5mm closed cell foam insulation for thermal and acoustic insulation.
- Drain Tray: Is made of 0.8mm galvanized steel and is coated with Bitumen paint for corrosion resistance. The drain tray is externally insulated with 5mm thick closed cell foam insulation, to prevent condensation. Extended drain tray is available as an option.
- Cooling Coils: The coils are made with highly efficient aluminium plate fins, which are mechanically bonded to 3/8” OD seamless copper tubes. All coils are specifically designed for chilled water district cooling applications. All coils are leak tested at 450psi, and with hydrophilic coating. The coils are provided with manual air vent for all the models.
- Chilled Water pipe connections: units are supplied with flare type connections as standard. Male thread G.I pipe connections are also available.
- Blower: Centrifugal blowers, made of aluminium are direct drive double inlet, double width, statically and dynamically balanced with motor and are selected for high efficiency.
- Air filters: Factory installed, permanent washable aluminium filters, 12mm are provided as standard for all models.

- Fan Motors: All **Coolwave** “SCA” series chilled water fan coil units are provided with 5 speed fan motors, to cater to a wide range of external static pressures. All fan motors have built-in internal overloads. Fan motors are permanent split capacitor type, with permanently sealed and lubricated ball bearings.
- Construction: Units are constructed with double air outlet for all models except 1.5Tr and 2.0TR. For double outlet configuration, duct flanges are provided in such a way that, ducting can be performed for “Y” connection or for single duct.
- Compact Design: The heights of the units are only 305mm for all the models from 1.5TR and 5.0Tr, for easy installation above false ceilings.
- Easy Maintenance: The access for the blower assembly and fan motor is from the bottom of the unit, which makes the maintenance simple.

## DECORATIVE CHILLED WATER FAN COIL UNITS

- Wall Mounted Chilled Water Fan Coil Units

Indoor Unit Features

- Matches any room décor with modern design and neutral colour.
- Adjustable auto swing louver.
- Mold proof air filter for clean, fresh and healthy air.

Control

- Full function easy to operate LCD wireless remote control.
- 3 fan speeds and auto fan mode.
- Sleep Functions.
- On and off timer.

Options

- Wired remote control
- Built in valves
- 60Hz

- Floor/Ceiling Chilled water Fan Coil Units

Indoor Unit Features

- Matches any room décor with modern design and neutral colour.
- Can be installed as floor or ceiling type.
- Mold proof air filter for clean, fresh and healthy air.

Options

- Full function easy to operate LCD wireless remote control/wired remote control
- 3 fan speeds and auto-fan mode.

- Cassette Type Chilled Water Fan Coil Units

Indoor Unit Features

- Slim, attractive design
- Auto air swing louvers for better comfort
- 4 way directional air flow
- Full function easy to operate
- LCD wireless remote control