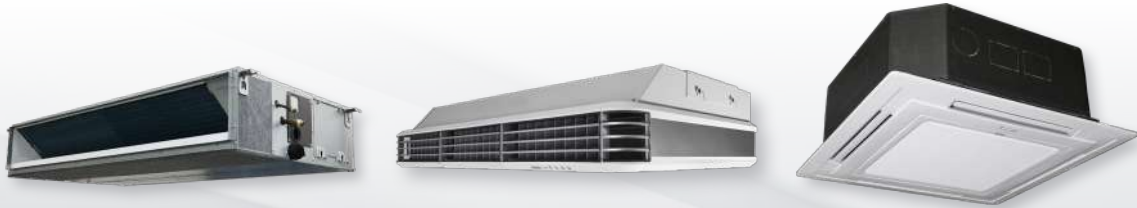


# R32 LIGHT COMMERCIAL

Non-Inverter Split Type Air Conditioner



# Product Lineup



| Capacity            | 1.0 HP  | 1.5 HP  | 2.0 HP   | 2.5 HP   |
|---------------------|---|---|--|--|
| <b>Indoor Unit</b>  |   |   |  |  |
| Ceiling Cassette    | <br>A3CK10CF  | <br>A3CK15CF | <br>A3CK20FF | <br>A3CK25FF |
| Ceiling Concealed   |   | <br>A3CC15C  | <br>A3CC20J | <br>A3CC25J |
| Ceiling Mounted     |   |   | <br>A3CM20C | <br>A3CM25C |
| <b>Outdoor Unit</b> |   |   |  |  |
|                     | <br>A3LC10F3 | <br>A3LC15F3 | <br>A3LC20F | <br>A3LC25F |



| 3.0 HP  | 3.5 HP   | 4.0 HP   | 5.0 HP  | 6.0 HP   |
|---|--|--|---|--|
|  <p>A3CK30FF</p> |  <p>A3CK35FF</p> |  <p>A3CK40FF</p> |  <p>A3CK50FF</p> |  |
|  <p>A3CC30J</p> |  <p>A3CC35J</p> |  <p>A3CC40J</p> |  <p>A3CC50J</p> |  <p>A3CC60J</p> |
|  <p>A3CM30C</p> |  <p>A3CM35C</p> |  <p>A3CM40C</p> |  <p>A3CM50C</p> |  <p>A3CM60C</p> |
|  <p>A3LC30F</p> |  <p>A3LC35D</p> |  <p>A3LC40D</p> |  <p>A3LC50D</p> |  <p>A3LC60D</p> |

# MY Acson, MY Control

Built in Wi-Fi : R32 Ceiling Cassette , A3CK-CF & A3CK-FF SERIES

Optional Wi-Fi :R32 Ceiling Concealed A3CC-J, R32 Ceiling Mounted A3CM-C SERIES

Besides hassle-free from finding remote controller, all you need are MY Acson and your smartphone to improve your lifestyle, AC Usage, comfort and smart home experience.

**Available Function**

- Switch ON/OFF
- Operation Mode
- Fan Speed and Temperature Adjustment
- User sharing
- Zoning
- Erro Code and History
- Weekly Timer
- Out of Home Control

## MY Acson App

A single swipe on the phone application which designed with simple control user interface. MY Acson is currently available for both Android & IOS system.



### MY Complete Control



- Setting different modes to suit your needs and comfort.
- Controlling fan speed, air flow direction & temperature settings
- Controlling the Zoning System

### MY Convenience



- Set 7-day schedules & timers that adjust AC according to your lifestyle
- Control every AC unit from your couch - no need to go racing room-to-room changing settings
- Guest sharing option - possible to be both hospitable and safe

### MY Comfort



- Pre-cool your room whilst still in the workplace or office.
- Room is already pre-cooled according to your desired settings as you reach home.

## Specification

|                          |                   |                                    |
|--------------------------|-------------------|------------------------------------|
| Dimension                | Height (mm)       | 32                                 |
|                          | Width (mm)        | 50                                 |
|                          | Depth (mm)        | 15                                 |
| Wi-Fi Frequency          |                   | 2.4GHz                             |
| Network Configuration    |                   |                                    |
| Out-of-home Control      |                   | Internet                           |
| In-home Control          |                   | LAN, Bluetooth                     |
| Electrical Specification |                   |                                    |
| Communication Protocol   |                   | NS                                 |
| Input Supply             | Voltage           | 5V                                 |
|                          | Current           | 150 mA                             |
|                          | Power Consumption | 750 mW                             |
| Supported OS             |                   | Android 5 or later; IOS 9 or later |



#### Remarks:

1. For the full list compatible AC models, please refer to Acson Malaysia Smart Solution Website
2. The controllable function and feature may differ depending on the models.





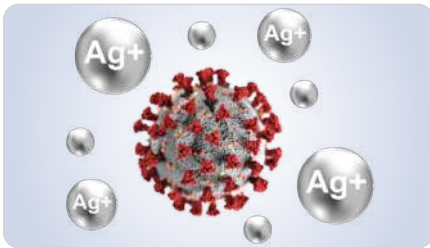
**Foresto Technology**

Acson Foresto Technology brings you to the peace of the forest by combining powerful Plusma function, Filtronz and R32 greenery refrigerant. By supplying clean and fresh air, it helps to recharge your mind and soul, make resting more effective.

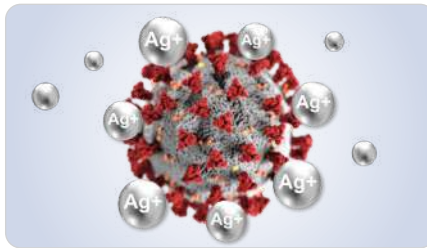


**Indoor Air Quality**

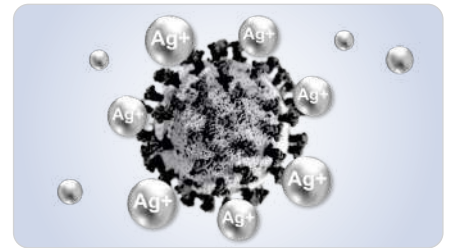
Acson R32 Ceiling Cassette comes with filter which incorporates Filtronz+ Anti Virus Technology as standard which effectively decompose virus and reduce bacteria & fungus on the filter surface.



**Step 1** Silver ions (AG+) on the filter absorb virus to the filter surface



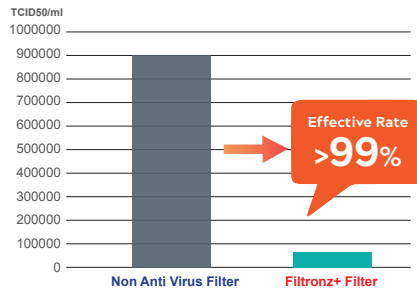
**Step 2** Combination organic and inorganic components simultaneously react to the protein that exist on the virus surface.



**Step 3** Enzyme protein is inactivated, thus it leads the decomposition and avoid the spreading of the viruses.

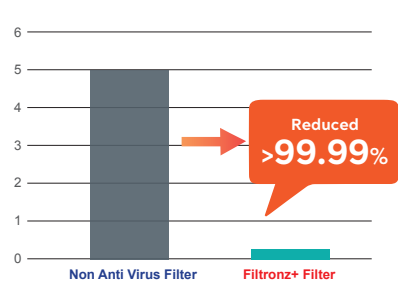
**Decomposition of Viruses**

The effectiveness rate of virus decomposition is increased by 99% in 2 hours



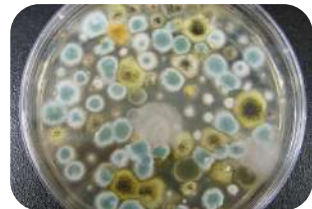
**Reduction of Bacteria**

The effectiveness rate of bacteria reduction is more than 99.99% in 24 hours



**Reduction of Fungus**

Generation of fungus achieved Grade 0 in 24 hours (No fungus visible under the microscope)



\*Image is for illustration purposes

**Test Measuring Method:**

Textites- Determination of antiviral activity of textile products (ISO 18184-2014)

**Testing Organization:** GuangDong Detection Center

**Test Number:** 2020FM24347R01, 2020FM2604R01

**Test Measuring Method:**

Test for antimicrobial activity of plastic (JIS Z 2801 : 2010)

**Testing Organization:** GuangDong Detection Center Of Microbiology

**Test Number:** 2021FM05003R01E

**Tested Virus Specimen:** Influenza H1N1, Chicken Coronavirus Infectious bronchitis Virus

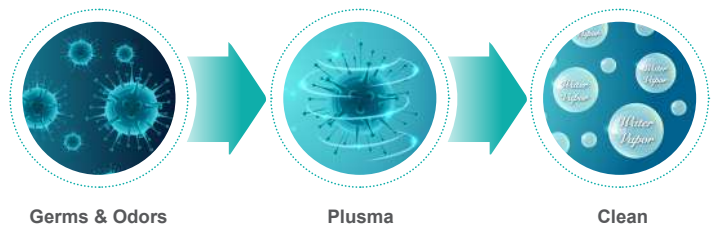
**Tested Bacteria Specimen:** Escherichia Coli, Staphylococcus aureus

**Tested Fungus:** Aspergillus niger, Penicillium pinophilum, Trichoderma viride, Chaetomium globosum, Poecilomyces variotii

**Plusma Technology**



Unit comes with advance Plusma Technology which effectively deactivate bacteria by damaging those microbial DNA and their surface structures by this advanced Plusma Technology. It emits massive positive and negative ions, and sterilize surrounding air more effectively, providing fresh and clean environment to ensure optimal comfort of users.





**Model:**  
A3CK20/25/30/35/40/50FF

**Nominal Cooling Capacity:**  
5.42kW ~ 14.07kW  
18,500 BTU/h ~ 48,000 BTU/h



MY Acson



Acson R32 Ceiling Cassette FF Series is awarded by MyHIJAU Mark. MyHijau Mark is Malaysia's official green recognition scheme endorsed by the Government of Malaysia

\*Applicable for model A3CK20/25/35/40/50FF

## Built In Acson Network Adapter

Acson R32 Ceiling Cassette comes with built-in Acson network adapter and ready to be paired with MY Acson app, offering you the smart convenience to control and real time monitoring your air conditioners

### Pairing Steps

1. Download MY Acson App



2. Please locate and scan the QR code sticker (besides MCMC label) on the warranty card or inside the wifi adaptor box to pair your AC with your smartphone.

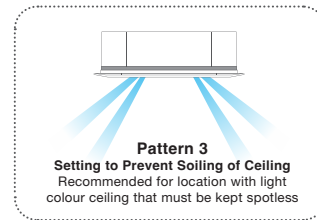
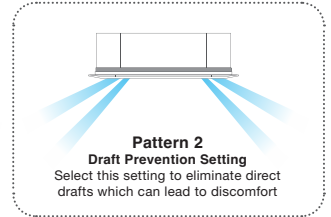
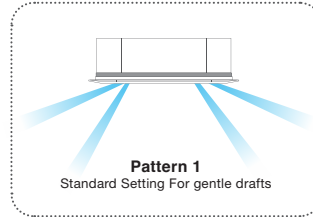


3. Once pairing done, enjoy the smart control with MY Acson App.

## Feature Ceiling Cassette

### 4 Dimensional Cooling Comfort

Four ways air discharge providing excellent cooled air distribution throughout the space. By taking every corner into consideration, it ensures optimal level of comfort. Air flow direction can be fixed at user's designated angle by the remote controller with Auto Mode.

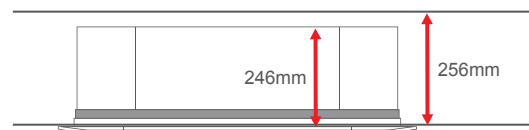


### Slim and Stylish Design

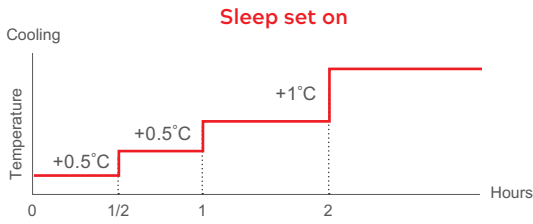
Maintaining classy interior design in your home with slim and stylish panel design. The curvy edge and uniformity of panel size enabling it to blend in perfectly with any kind of space design.



| Unit Dimension | Panel Dimension |
|----------------|-----------------|
| 840 x 840 mm   | 950 x 950 mm    |



| Model         | Unit Height |
|---------------|-------------|
| A3CK20/25/30F | 246 mm      |
| A3CK35/40/50F | 288 mm      |

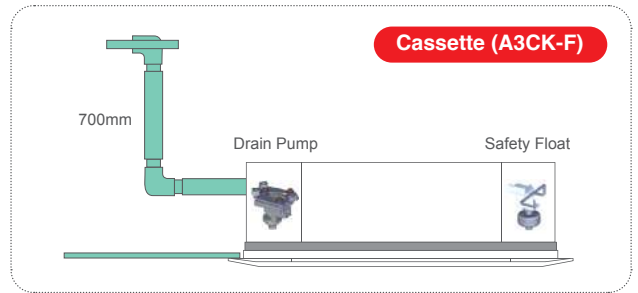


## Comfortable Sleep Mode

Intelligent control system adjusts the temperature automatically according to surrounding environment. You can enjoy a good night's sleep by turning on Sleep Mode before you go to bed.

## Built in Drainage System

The unit is equipped with highly efficient drain pump with 700 mm pressure head, providing smooth drainage of condensate water. A mechanism with safety water float is equipped to avoid overflow of water, giving users a worry-free experience.



## Fresh Air Intake

Optional fresh air intake mechanism according to user's preference. Knock-out hole is available on ceiling cassette indoor unit where a duct can be fitted to increase the intake of outdoor air. A fresher environment is made possible especially for places where ventilation fan is not installed.

## Easy Height Adjustment

Each unit comes with adjustable cover pocket at four corners which are easily for adjusting the suspended height of unit. This in turns provide flexibility during installation where installer could adjust the hanging hook according to requirement. Technician could perform drainage leak check during servicing too.



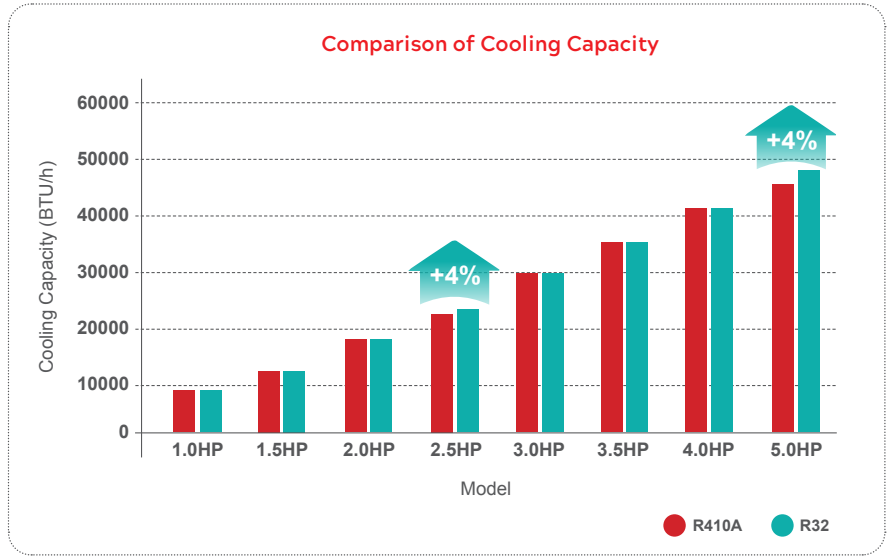
## Panel Hook Mechanism

Panel hook is utilized to support panel so that it could be hang on indoor unit, which provide a hassle-free installation experience by reducing manpower and accelerating the process.

# Superior Performance

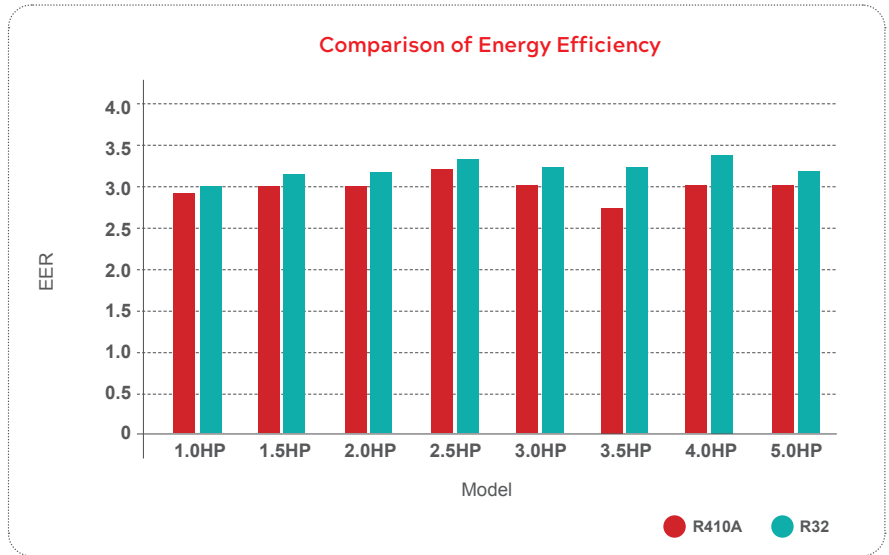
## Upgraded Cooling Capacity

New R32 ceiling cassette is upgraded in terms of cooling capacity for certain models.\*



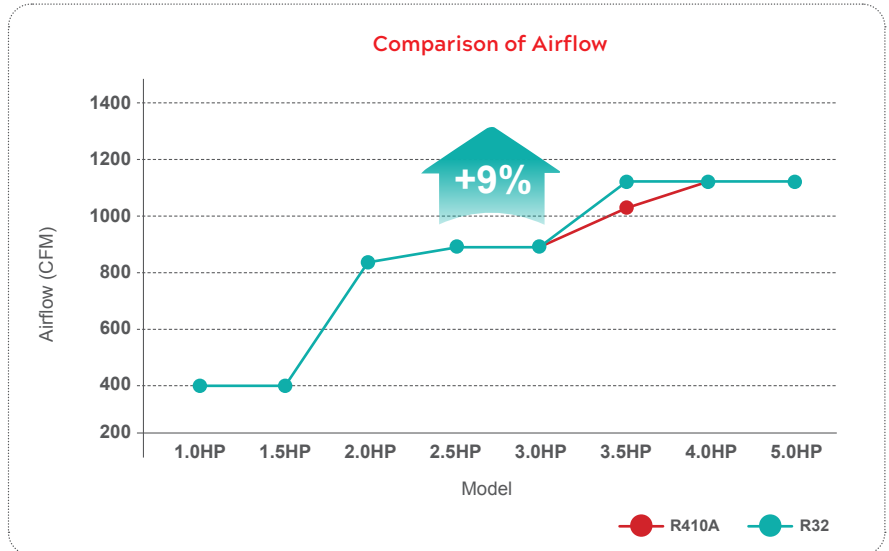
## Improved Energy Efficiency

Acson R32 ceiling cassette a remarkable performance by achieving higher energy efficiency standards than other similar models.



## Higher Airflow

Airflow for 3.5HP R32 ceiling cassette is now upgraded to ensure higher airflow and users' comfort.\*\*



\* Applicable for 2.5HP and 5.0HP models.

\*\* Applicable for 3.5HP model.





**Model:**  
A3CC20/25/30/35/40/50/60J

**Nominal Cooling Capacity:**  
5.42kW ~ 16.12kW  
18,500 BTU/h ~ 55,000 BTU/h

## Feature Ceiling Concealed

### Supreme Cooled Air Distribution

Cool air is effectively distributed throughout the whole room via ducting design. By taking every corner into consideration, it ensures optimal level of comfort. Multiple rooms can be cooled together with just a single unit.



### Space Saving Design

#### Low Unit Height (For A3CC20-60J Series only)

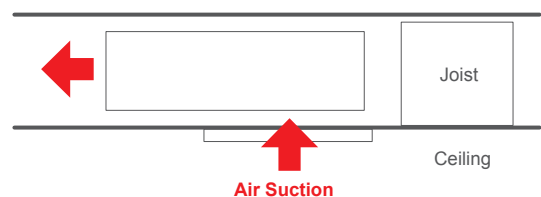
The unit is sophisticatedly concealed inside the ceiling, this unit design make it perfectly adequate to reserve the space for various interior design applications.



| Model                     | Unit Height |
|---------------------------|-------------|
| A3CC20/25/30/35/40/50/60J | 250 mm      |

#### Higher Flexibility (For A3CC20-60J Series only)

Easy conversion from rear return to bottom return is possible to be done on new R32 ceiling concealed to fit in according to building structures. Higher flexibility is available to cope with different customer requirements.



# Flexible Installation

## Selectable External Static Pressure (ESP) *(For A3CC20-60J Series only)*

Two different ESP can be easily selected by switching the connector inside the control box as shown below. According to duct design required for comfort, the adjustment can be done easily during installation at the control box.



| ESP \ Model (HP)                 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 5.0 | 6.0 |
|----------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Factory Preset Value (Pa)        | 30  | 30  | 30  | 50  | 50  | 50  | 50  |
| Optional (Switchable) Value (Pa) | 50  | 50  | 50  | 80  | 80  | 80  | 60  |

## Lightweight Drain Pan *(For A3CC20-60J Series only)*

New ceiling concealed comes with lightweight drain pan that will not get rust easily and ease the installation works. A slope is created on drain pan to drain water efficiently.

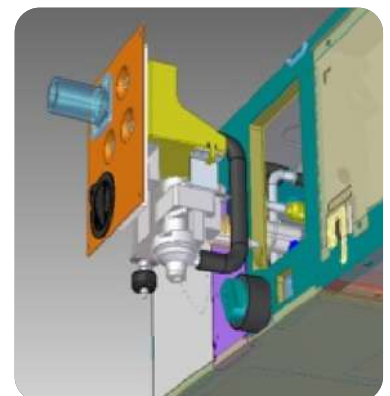


## Pre-Installed Filter Rail

Pre-installed filter rail provides flexibility during installation. With the application of air filter, user can now enjoy better indoor air quality according to requirements. Filters could be purchased as optional accessories.

## More Drainage Option

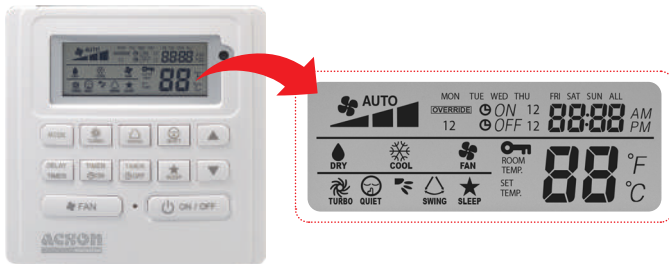
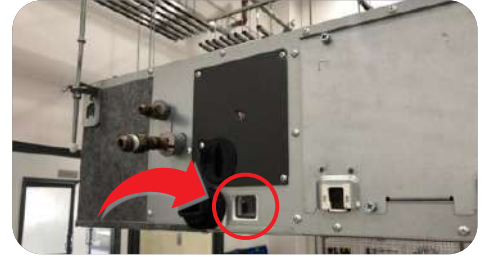
Drainage pump helps to channel the condensate water more effectively. Optional drainage pump could be purchased as accessory and installed at the designated location of the ceiling concealed unit.



## Better Serviceability *(For A3CC20-60J Series only)*

### Drain Pan Maintenance Check Window

New drain pan maintenance check window located at side of the ceiling concealed, allowing technician to check the condition of drainage or dirt in the drain pan without using any additional tools.



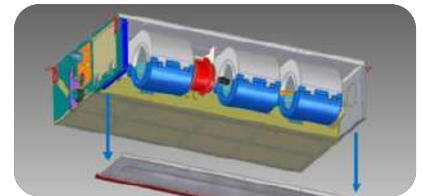
### Weekly Schedule Timer

Available in Timer 1 & Timer 2 with operation of ON/OFF settings programmed for each day of the week. Schedule timer can be set either from Monday to Sunday or all (timer activate for 7days). Setting on ON/OFF operations only.

## Easy Accessible to Components *(For A3CC20-60J Series only)*

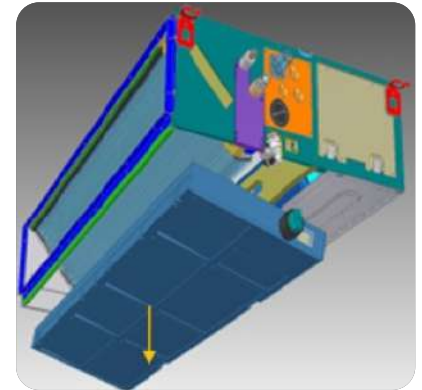
### Blower & Motor

Components such as blowers and motors could be easily accessible by removing the rear bottom panel and mid flange (as shown in the diagram). Blowers could be removed from the housing easily by opening the housing case, enabling better serviceability.



### Drain Pan & Coil

Drain pan and coil can be easily accessible by removing front bottom panel and mid flange. The coil can be accessed once technician removed the drain pan.



## Optional NS Splitter with Network Adaptor



Acson NS Splitter



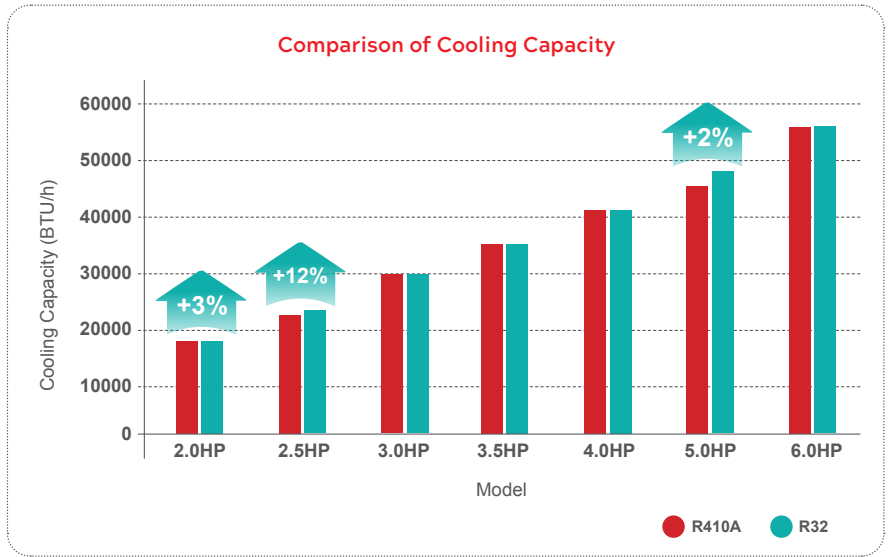
With optional Acson Ns Splitter which comes together with network adaptor offering you the smart convenience to control and real time monitoring your air conditioners at your fingertips. With intelligent weekly timer, you can set your air conditioner units to accommodate your daily routine.

On an exceptionally hot day, you can switch on the air conditioner first and enjoy the cooling breeze once you reach home without the hassle finding the remote controller.

# Superior Performance

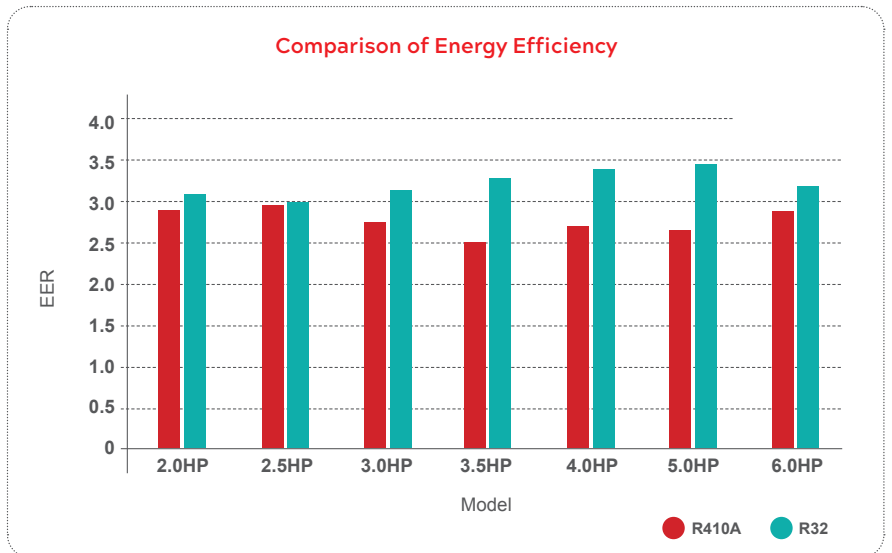
## Extraordinary Cooling Performance

Users can now enjoy an extraordinary cooling experience with our new R32 ceiling concealed lineup. \*



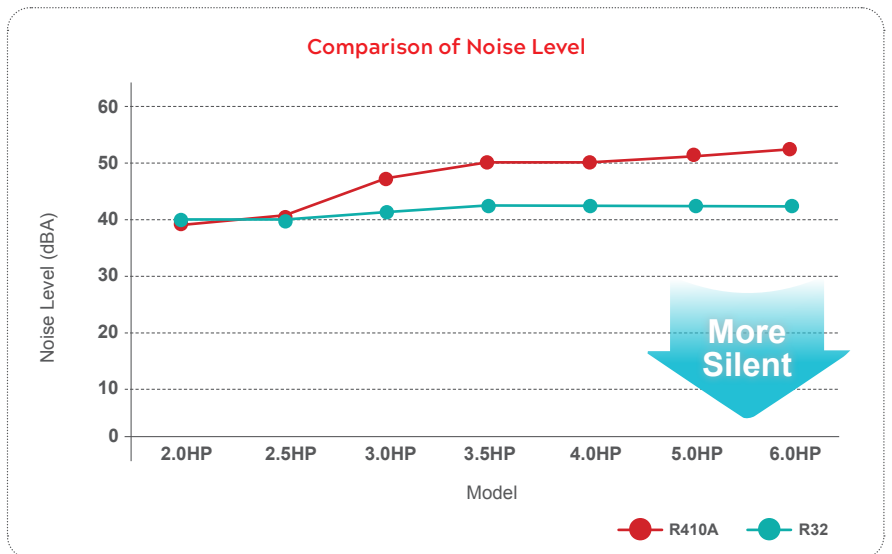
## Energy Saving to the Next Level

Whole Acson R32 ceiling concealed lineup achieved a remarkable performance by improving energy efficiency compared to R410A models.



## More Silent, More Powerful

New R32 ceiling concealed units are improved in terms of noise level. It is perfect to be installed in an environment where lower noise level is required to ensure users' comfort.\*\*



\* Applicable for 2.0HP, 2.5HP and 5.0HP models.

\*\* Applicable for all models except 2.0HP.





**Model:**  
A3CM20/25/30/35/40/50/60C

**Nominal Cooling Capacity:**  
5.4kW ~ 16.1kW  
18,500 BTU/h ~ 55,000 BTU/h

## Feature Ceiling Mounted

### Aesthetically Compact Design

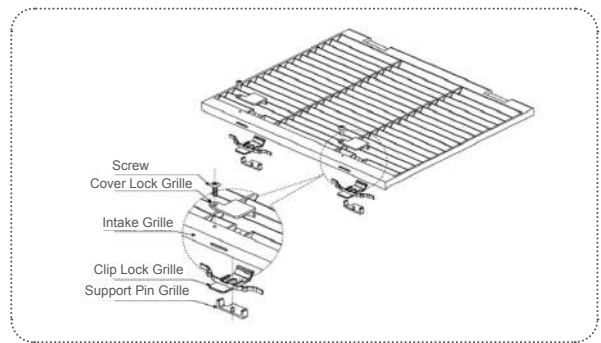
Slim and compact design easy for installation especially at corner which has narrow space. White stylish design easily blended with interior design.

### Fast Cooling Comfort

Desired cooling comfort room is achieved rapidly through wide air throw range and consistent optimum air distribution by the motorized louver. Maximum air throw can reach up to 16.5m.

### Service and Maintenance at Ease

The new design of intake grille makes it easier to lock and unlock. Easy access of filter cleaning can be done by just pulling down the intake grille. During servicing or repairing, only the bottom panel is needed to be removed in order to access to fan motor, control box and piping.



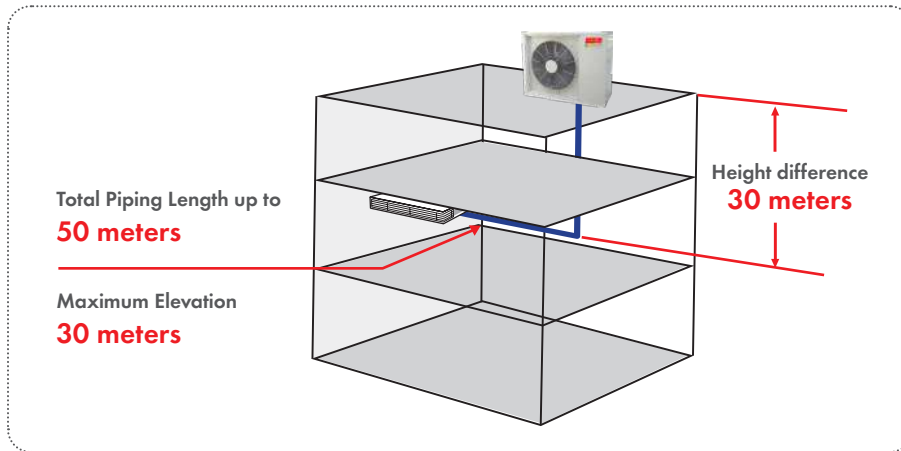
### Improved Quality Satisfaction

Extra Insulation has been added on the air discharge and overall unit to countermeasure unit against sweat. It takes reliable cooling performance to another step forward.



## Flexible Installation

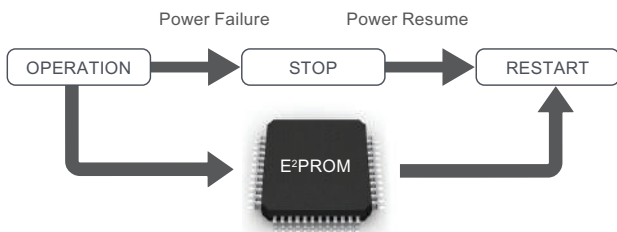
Compact design for smaller capacity models to meet tighter dimensional constraints. The new technology make it's possible for piping elevation can go up to 30m and the piping length can be extended up to 50m. More flexibility and versatility to position your outdoor units with longer piping length and elevation.



\*Applicable for A3CM30C, A3CM35C, A3CM40C, A3CM50C and A3CM60C only.

## More Drainage Option

The unit is designed to work with optional high pressure head drain pump, which offers ideal solution for installation on condensate drain pipe. A peace of mind for the consumer as a safety float is incorporated in the drain pump as safety protection.



## Auto Random Restart with Last-State-Memory

If there is any sudden power failure during operation, unit will restarts automatically in 64 different recovery timing patterns and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed). This is to ensure that air conditioners in the same building resume randomly instead of all units resuming at the same time to prevent power surge after a blackout

With optional Acson Wi-Fi Adapter together with MY Acson app offering you the smart convenience to control and real time monitoring your air conditioners at your fingertips. With intelligent weekly timer, you can set your air conditioner units to accomodate your daily routine. On an exceptionally hot day, you can switch on the air conditioner first and enjoy the cooling breeze once you reach home without the hassle finding the remote controller.

Acson Wifi Adapter, AWM01A01

MY ACSON

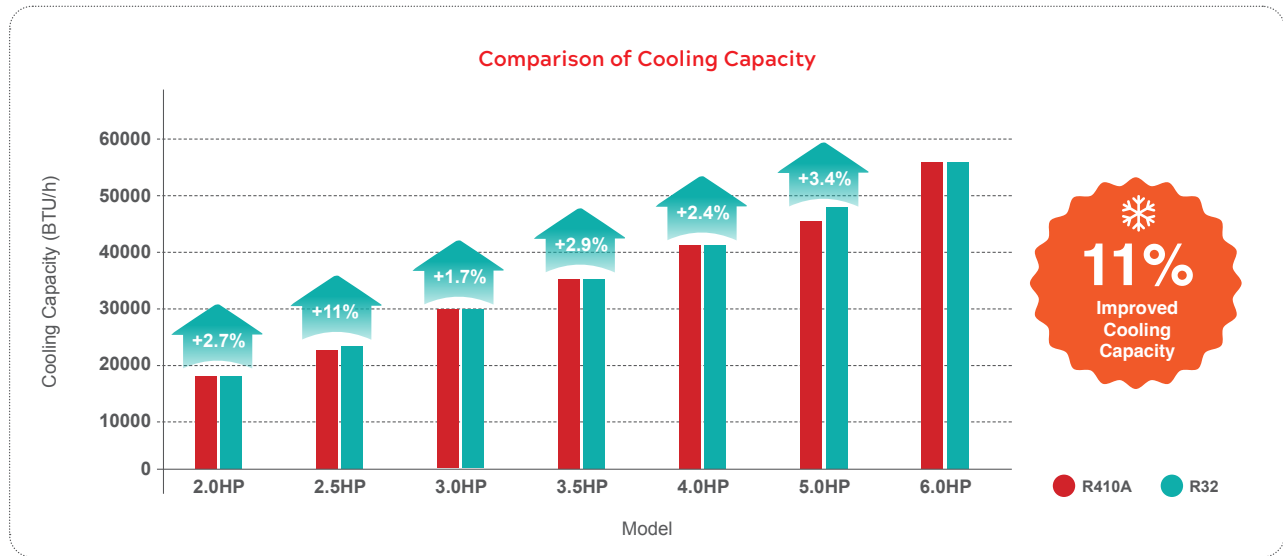
Download on the App Store

ANDROID APP ON Google play

# Superior Performance

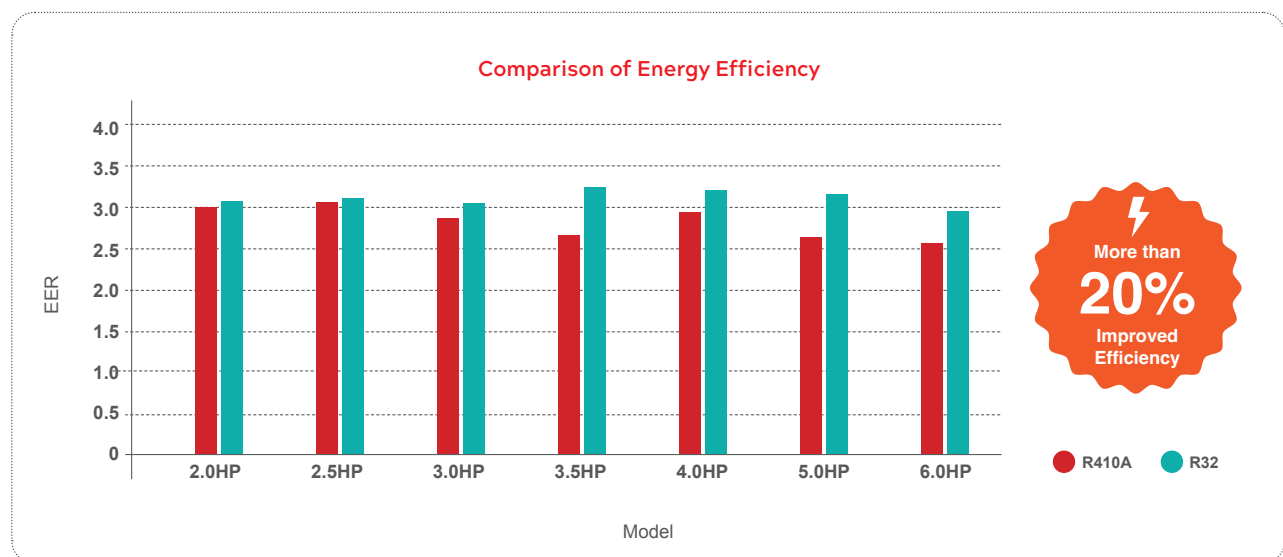
## Higher Cooling Performance

Cooling Capacity of R32 Ceiling Mounted for 2.0HP and up to 5.0HP are increased to make sure the user to stay relax and cool all day long.



## Greener Choices for Improved Energy Saving

Due to energy saving is one of the user's main concern, we improved the whole line up of R32 ceiling mounted energy efficiency to offer peace of mind.



# Functionality



✔ Standard    ✔ Optional

| Category    | Functions                              | Ceiling Cassette | Ceiling Concealed | Ceiling Mounted |
|-------------|--|------------------|-------------------|-----------------|
| Operation   | Auto Mode                              | ✔                | ✔                 | ✔               |
|             | Cool Mode                              | ✔                | ✔                 | ✔               |
|             | Dry Mode                               | ✔                | ✔                 | ✔               |
|             | Fan Mode                               | ✔                | ✔                 | ✔               |
|             | Sleep Mode                             | ✔                | ✔                 | ✔               |
| Comfort     | 4-Ways Airflow                         | ✔                |                   |                 |
| Convenience | Auto Fan Speed                         | ✔                | ✔                 | ✔               |
|             | Indoor unit On/Off Button              | ✔                | ✔                 | ✔               |
|             | Signal Receiving Sign                  | ✔                | ✔                 | ✔               |
|             | Temperature Display                    | ✔                | ✔                 | ✔               |
|             | Weekly Timer                           | ✔                | ✔                 | ✔               |
|             | 24-Hour On/Off Timer                   | ✔                | ✔                 | ✔               |
| Feature     | Auto Swing                             | ✔                | ✔                 |                 |
|             | Swing Pattern Selection                | ✔                | ✔                 | ✔               |
|             | Switchable Fan Speed                   | ✔                | ✔                 | ✔               |
|             | Automatic Airflow (Up & Down)          | ✔                |                   | ✔               |
|             | Aluminium Bare Indoor Fin              | ✔                | ✔                 | ✔               |
|             | Anti-Corrosion Outdoor Gold Fin        | ✔                | ✔                 | ✔               |
| Health      | Saranet Filter                         | ✔                | ✔                 | ✔               |
|             | Plusma Technology                      | ✔                |                   |                 |
|             | Washable Grille                        | ✔                |                   | ✔               |
| Durability  | Power Failure Memory System            | ✔                | ✔                 | ✔               |
|             | Self-Diagnosis                         | ✔                | ✔                 | ✔               |
|             | Wiring Error Check Function            | ✔                | ✔                 | ✔               |
| Accessory   | Wireless Remote Controller             | ✔                | ✔                 | ✔               |
|             | Wired Remote Controller                | ✔                | ✔                 | ✔               |
|             | External Static Pressure Selection     |                  | ✔                 |                 |
|             | Drain Pump                             | ✔                | ✔                 | ✔               |
|             | Fresh Air Intake                       | ✔                |                   |                 |
|             | Switchable Temperature Display (°C/°F) | ✔                | ✔                 | ✔               |

## Remarks

1. Installation and maintenance should be performed by qualified persons who are familiar with local code and regulation, and experienced with this type of appliance.
2. All field wiring must be installed in accordance with the national wiring regulation.
3. When the pipe length becomes too long, both the capacity and reliability drop.
4. As the number of bends increase, resistance to flow of refrigerant system increases, thus lowering cooling capacity and as a result the compressor may become defective.
5. Always choose the shortest path and follow the recommendation of authorised personnels.



# Technical Specification

## Ceiling Cassette



A3CK10/15CF



A3CK20/25/30/35/40/50FF

| Model                     |                                       | Indoor Unit  | A3CK10CF                                | A3CK15CF   | A3CK20FF        | A3CK25FF                                | A3CK30FF | A3CK35FF                                | A3CK40FF                                 | A3CK50FF |  |
|---------------------------|---------------------------------------|--------------|---|------------|-----------------|---|----------|---|--|----------|--|
|                           |                                       | Outdoor Unit | A3LC10F3                                | A3LC15F3   | A3LC20F         | A3LC25F                                 | A3LC30F  | A3LC35D                                 | A3LC40D                                  | A3LC50D  |  |
| Capacity                  |                                       | HP           | 1.00                                    | 1.50       | 2.0             | 2.5                                     | 3.0      | 3.5                                     | 4.0                                      | 5.0      |  |
| Nominal Cooling Capacity  |                                       | BTU/h        | 9,500                                   | 12500      | 18500           | 24000                                   | 30000    | 36000                                   | 42000                                    | 48000    |  |
|                           |                                       | kW           | 2.78                                    | 3.66       | 5.42            | 7.03                                    | 8.79     | 10.55                                   | 12.31                                    | 14.07    |  |
| Nominal Total Input Power |                                       | W            | 927                                     | 1115       | 1680            | 2130                                    | 2710     | 3150                                    | 3620                                     | 4100     |  |
| Nominal Running Current   |                                       | A            | 4.10                                    | 4.94       | 7.46            | 9.45                                    | 12.10    | 14.30                                   | 6.78                                     | 7.59     |  |
| CSPF                      |                                       | W/W          | 3.19                                    | 3.49       | 3.43            | 3.50                                    | 3.44     | 3.56                                    | 3.61                                     | 3.64     |  |
| Power Source              |                                       | V/Ph/Hz      | 220-240/1/50                            |            |                 |   |          |   | 380-415/3/50                             |          |  |
| Indoor Unit               | Air Flow                              | CFM          | 410/360/330                             |            | 840/700/560/440 | 890/760/620/490                         |          | 1120/1030/890/760                       |  |          |  |
|                           | Sound Pressure Level (H/M/L)          | dBA          | 41/38/35                                |            | 42/39/37/35     | 44/40/37/35                             |          | 48/46/43/40                             |  |          |  |
|                           | Unit Dimension (H x W x D)            | mm (in)      | 250 X 570 X 570 (9.84 x 22.44 x 22.44)  |            |                 | 246 x 840 x 840 (9.69 x 33.07 x 33.07)  |          |   |  |          |  |
|                           | Unit Dimension With Panel (H x W x D) | mm (in)      | 295 x 640 x 640 (11.61 x 25.20 x 25.20) |            |                 | 301 x 950 x 950 (11.85 x 37.40 x 37.40) |          |   |  |          |  |
|                           | Unit Weight                           | kg           | 15.5                                    |            |                 | 22                                      |          | 25                                      |  |          |  |
|                           | Unit Weight With Panel                | kg           | 17.5                                    |            |                 | 27                                      |          | 30                                      |  |          |  |
|                           | Condensate Drain Size                 | mm           | 19.00                                   |            |                 |   |          |   |  |          |  |
| Outdoor Unit              | Sound Pressure Level                  | dBA          | 46                                      | 48         | 52              |   | 54       | 56                                      | 58                                       | 60       |  |
|                           | Unit Dimension (H x W x D)            | mm (in)      | 550x658x273 (21.65 x 25.91 x 10.75)     |            |                 | 615 x 845 x 300 (24.21 x 33.27 x 11.81) |          | 695 x 930 x 350 (27.36 x 36.61 x 13.78) | 852 x 1030 x 400 (33.54 x 40.55 x 15.75) |          |  |
|                           | Unit Weight                           | kg           | 25                                      | 28         | 40              | 46                                      | 53       | 62                                      | 79                                       | 84       |  |
|                           | Pipe Connection                       | Liquid       | mm (in)                                 | 6.35 (1/4) |                 |   |          | 9.53 (3/8)                              |  |          |  |
|                           |                                       | Gas          | mm (in)                                 | 9.52 (3/8) |                 | 12.70 (1/2)                             |          | 15.88 (5/8)                             |  |          |  |
|                           | Maximum Piping Length                 | m (ft)       | 25 (82.02)                              |            |                 | 35 (114.83)                             |          | 50 (164.04)                             |  |          |  |
|                           | Maximum Piping Elevation              | m (ft)       | 15 (49.21)                              |            |                 | 20 (65.62)                              |          | 30 (98.43)                              |  |          |  |
| Refrigerant               |                                       | R32          |   |            |                 |   |          |   |  |          |  |



GS02 (Default)



SLM9 (Optional)



A3LC10/15F3



A3LC20/25/30F



A3LC35/40/50D

# Technical Specification

## Ceiling Concealed



A3CC15C



A3CC20/25/30/35/40/50/60J

| Model                     | Indoor Unit                                |         | A3CC15C                                    | A3CC20J                                    | A3CC25J     | A3CC30J                                    | A3CC35J     | A3CC40J                                     | A3CC50J | A3CC60J        |  |    |
|---------------------------|--|---------|--|--|-------------|--|-------------|---|---------|----------------|--|----|
|                           | Outdoor Unit                               |         | A3LF15F3                                   | A3LC20F                                    | A3LC25F     | A3LC30F                                    | A3LC35D     | A3LC40D                                     | A3LC50D | A3LC60D        |  |    |
| Capacity                  | HP   |         | 1.5  | 2.0  | 2.5         | 3.0  | 3.5         | 4.0   | 5.0     | 6.0            |  |    |
| Nominal Cooling Capacity  | BTU/h                                      |         | 12000                                      | 18500                                      | 23500       | 30000                                      | 36000       | 42000                                       | 48000   | 55000          |  |    |
|                           | kW   |         | 3.52                                       | 5.42                                       | 6.89        | 8.79                                       | 10.55       | 12.31                                       | 14.07   | 16.12          |  |    |
| Nominal Total Input Power | W  |         | 1143                                       | 1750                                       | 2290        | 2770                                       | 3200        | 3660  | 4100    | 4950           |  |    |
| Nominal Running Current   | A  |         | 5.05                                       | 7.74                                       | 10.3        | 12.4                                       | 14.8        | 6.85  | 7.51    | 8.73           |  |    |
| CSPF                      | W/W  |         | 3.27                                       | 3.29                                       | 3.20        | 3.37                                       | 3.50        | 3.57  | 3.64    | 3.46           |  |    |
| Power Source              | V/Ph/Hz                                    |         | 220-240/1/50                               |  |             |  |             | 380-415/3/50                                |         |                |  |    |
| Indoor Unit               | Air Flow                                   | CFM     | 510/460/350                                | 590/525/430                                |             | 950/810/700                                |             | 1260/1095/920                               |         | 1400/1280/1120 |  |    |
|                           | External Static Pressure (H/M/L) / (Std/H) | Pa      | 10/08/05                                   | 30/50                                      |             |  | 50/80       |   |         | 50/60          |  |    |
|                           | Sound Pressure Level (H/M/L)               | dBA     | 36/33/29                                   | 40/37/34                                   |             | 41/38/35                                   |             | 42/39/36                                    |         | 43/42/39       |  |    |
|                           | Unit Dimension (H x W x D)                 | mm (in) | 261 x 905 x 411<br>(10.28 x 35.63 x 26.18) | 250 x 700 x 700<br>(9.84 x 27.56 x 27.56)  |             | 250 x 1000<br>x 700 (9.84 x 39.37 x 27.56) |             | 250 x 1400 x 700<br>(9.84 x 55.12 x 27.56)  |         |                |  |    |
|                           | Unit Weight                                | kg      | 22   | 24   |             | 31   |             | 40  |         | 42             |  | 44 |
|                           | Condensate Drain Size                      | mm      | ø19  | 32.00                                      |             |  |             |   |         |                |  |    |
| Outdoor Unit              | Sound Pressure Level                       | dBA     | 48   | 52   |             | 54   | 56          | 58  | 60      | 62             |  |    |
|                           | Unit Dimension (H x W x D)                 | mm (in) | 550 x 658 x 273<br>(21.65 x 25.91 x 10.75) | 615 X 845 X 300<br>(24.21 x 33.27 x 11.81) |             | 695 X 930 X 350<br>(25.94 x 36.61 x 13.78) |             | 852 X 1030 X 400<br>(33.54 x 40.55 x 15.75) |         |                |  |    |
|                           | Unit Weight                                | kg      | 28   | 40   | 46          | 53   | 62          | 79  | 84      | 94             |  |    |
|                           | Pipe Connection                            | Liquid  | mm (in)                                    | 6.35 (1/4)                                 | 6.35 (1/4)  |  | 9.53 (3/8)  |   |         |                |  |    |
|                           |  | Gas     | mm (in)                                    | 9.52 (3/8)                                 | 12.70 (1/2) |  | 15.88 (5/8) |   |         | 19.15 (3/4)    |  |    |
|                           | Maximum Piping Length                      | m (ft)  | 25 (82.02)                                 | 35 (114.83)                                |             | 50 (164.04)                                |             |   |         |                |  |    |
|                           | Maximum Piping Elevation                   | m (ft)  | 15 (49.21)                                 | 20 (65.62)                                 |             | 30 (98.43)                                 |             |   |         |                |  |    |
| Refrigerant               |  |         | R32  |  |             |  |             |   |         |                |  |    |



GS02 (Optional)



SLM9 (Default)



A3LC15F3



A3LC20/25/30F



A3LC35/40/50/60D

# Technical Specification

## Ceiling Mounted



A3CM20/25/30/35/40/50/60C

| Model                     |                              | Indoor Unit  | A3CM20C                                     | A3CM25C    | A3CM30C                                     | A3CM35C                                     | A3CM40C      | A3CM50C | A3CM60C        |  |
|---------------------------|------------------------------|--------------|---|------------|---|---|--------------|---------|----------------|--|
|                           |                              | Outdoor Unit | A3LC20F                                     | A3LC25F    | A3LC30F                                     | A3LC35D                                     | A3LC40D      | A3LC50D | A3LC60D        |  |
| Capacity                  |                              | HP           | 2.0   | 2.5        | 3.0   | 3.5   | 4.0          | 5.0     | 6.0            |  |
| Nominal Cooling Capacity  |                              | BTU/h        | 18,500                                      | 23,500     | 29,500                                      | 36,000                                      | 42,000       | 46,000  | 55,000         |  |
|                           |                              | kW           | 5.42  | 6.89       | 8.65  | 10.55                                       | 12.31        | 13.50   | 16.12          |  |
| Nominal Total Input Power |                              | W            | 1785  | 2220       | 2860  | 3250  | 3860         | 4300    | 5500           |  |
| Nominal Running Current   |                              | A            | 8.05  | 9.88       | 12.80                                       | 14.70                                       | 7.14         | 7.93    | 9.62           |  |
| CSPF                      |                              | W/W          | 3.23  | 3.29       | 3.21  | 3.45  | 3.39         | 3.33    | 3.11           |  |
| Power Source              |                              | V/Ph/Hz      | 220-240/1/50                                |            |   |   | 380-415/3/50 |         |                |  |
| Indoor Unit               | Air Flow                     | CFM          | 620/600/490                                 |            | 830/730/625                                 | 1125/1030/960                               |              |         | 1460/1390/1150 |  |
|                           | Sound Pressure Level (H/M/L) | dBA          | 47/46/43                                    |            | 48/45/42                                    | 52/50/48                                    |              |         | 55/53/50       |  |
|                           | Unit Dimension (H x W x D)   | mm (in)      | 235 x 1,175 x 669<br>(9.25 x 46.26 x 26.34) |            | 235 x 1,525 x 669<br>(9.25 x 46.26 x 26.34) | 235 x 1,875 x 669<br>(9.25 x 73.82 x 26.34) |              |         |                |  |
|                           | Unit Weight                  | kg           | 33  |            | 41  | 50  |              |         | 60             |  |
|                           | Condensate Drain Size        | mm           | 19.00                                       |            |   |   |              |         |                |  |
| Outdoor Unit              | Sound Pressure Level         | dBA          | 52  |            | 54  | 56  | 58           | 60      | 62             |  |
|                           | Unit Dimension (H x W x D)   | mm (in)      | 615 x 845 x 300<br>(24.21 x 33.27 x 11.81)  |            | 695 x 930 x 350<br>(27.36 x 36.61 x 13.78)  | 852 x 1030 x 400<br>(33.54 x 40.55 x 15.75) |              |         |                |  |
|                           | Unit Weight                  | kg           | 40  | 46         | 53  | 62  | 79           | 84      | 94             |  |
|                           | Pipe Connection              | Liquid       | mm (in)                                     | 6.4 (1/4)  |   | 9.5 (3/8)                                   |              |         |                |  |
|                           |                              | Gas          | mm (in)                                     | 12.7 (1/2) |   | 15.9 (5/8)                                  |              |         | 19.1 (3/4)     |  |
|                           | Maximum Piping Length        | m (ft)       | 35 (114.83)                                 |            | 50 (164.04)                                 |   |              |         |                |  |
|                           | Maximum Piping Elevation     | m (ft)       | 20 (65.62)                                  |            | 30 (98.43)                                  |   |              |         |                |  |
| Refrigerant               |                              |              | R32   |            |   |   |              |         |                |  |



GS02 (Default)



SLM9 (Optional)



A3LC20/25/30F



A3LC35/40/50D



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