

R32 LIGHT COMMERCIAL










Non-Inverter Split Type Air Conditioner














ACSON
International
Air Conditioners

Product Lineup



Capacity	2.0 HP	2.5 HP	3.0 HP
Indoor Unit			
Ceiling Cassette	 <p>A3CK20F</p>	 <p>A3CK25F</p>	 <p>A3CK30F</p>
Ceiling Concealed	 <p>A3CC20J</p>	 <p>A3CC25J</p>	 <p>A3CC30J</p>
Outdoor Unit			
	 <p>A3LC20F</p>	 <p>A3LC25F</p>	 <p>A3LC30F</p>



3.5 HP	4.0 HP	5.0 HP	6.0 HP
 <p>A3CK35F</p>	 <p>A3CK40F</p>	 <p>A3CK50F</p>	
 <p>A3CC35J</p>	 <p>A3CC40J</p>	 <p>A3CC50J</p>	 <p>A3CC60J</p>
 <p>A3LC35D</p>	 <p>A3LC40D</p>	 <p>A3LC50D</p>	 <p>A3LC60D</p>

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.



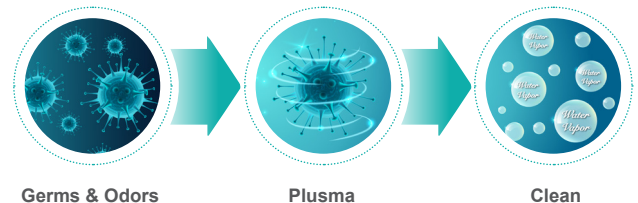
Indoor Air Quality

Anti fungus long-life air filter helps to trap the dust particles in the air, promising good indoor air quality by acting as first barrier of dust filtration. The filter is easily accessible and can be simply wash with water, ensuring prolonged usage.

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.



R-410A
(HFC)

2,090

R-22
(HCFC)

1,810

R-32
(HFC)

675

Global Warming Potential



Approx.
30%

The R32 refrigerant has a low Global Warming Potential (GWP), which one-third lower as compared to R410A

Environmental Friendly



Acson MyEco Series offers eco-friendly products which lead to a more sustainable future. Products labelled with MyEco are more sustainable and environmental friendly.

R32 is a single component refrigerant and used to be one of the components of R410A (binary blend of HFC). It is remarkable for its low environmental impact. The R32 refrigerant has a low Global Warming Potential (GWP), which one-third lower as compared to R410A and consists of zero Ozone Depletion Potential (ODP) at the same time.



Model:

A3CK20/25/30/35/40/50F

Nominal Cooling Capacity:

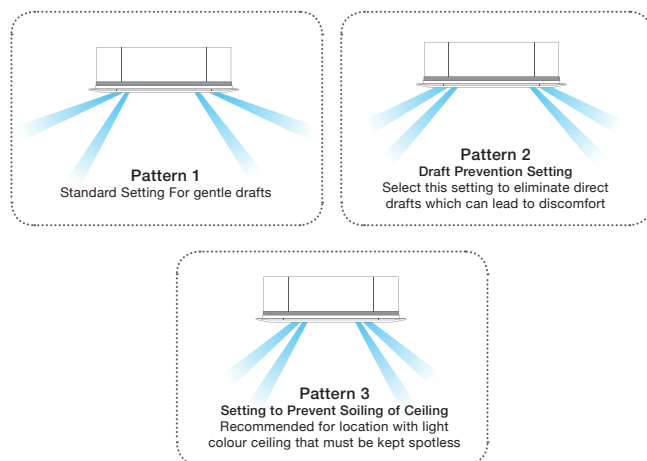
5.42kW ~ 14.07kW

18,500 BTU/h ~ 48,000 BTU/h

Feature Ceiling Cassette

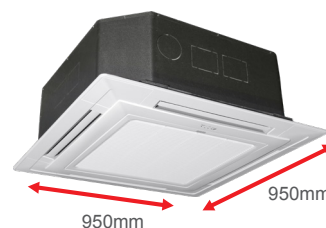
4 Dimensional Cooling Comfort

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.

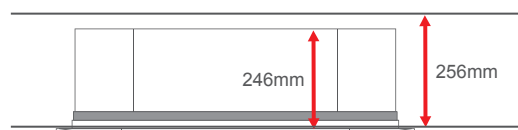


Slim and Stylish Design

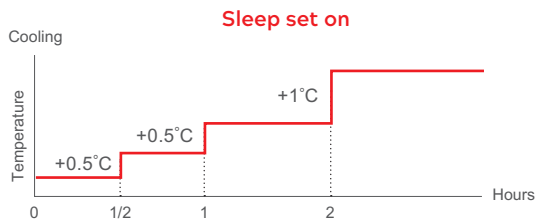
Maintaining classy interior design in your home with slim and stylish panel design. The curvy edge and uniformity of panel size enabling it to blend in perfectly with any kind of space design.



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

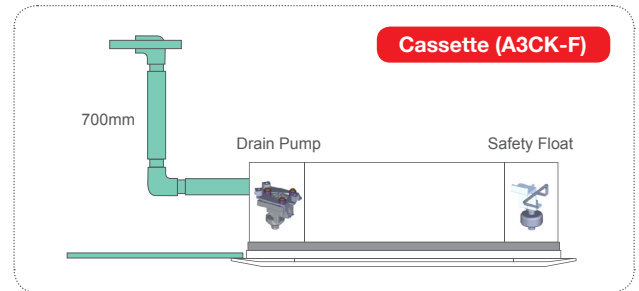


Comfortable Sleep Mode

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.



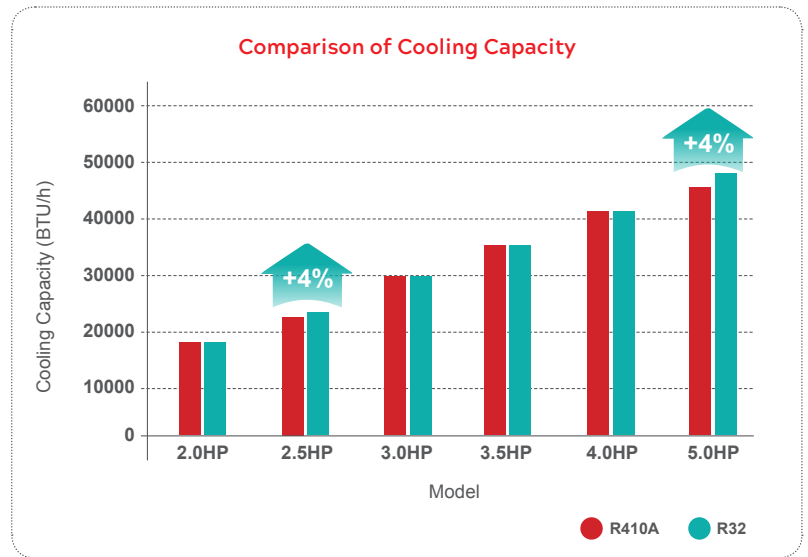
Panel Hook Mechanism

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

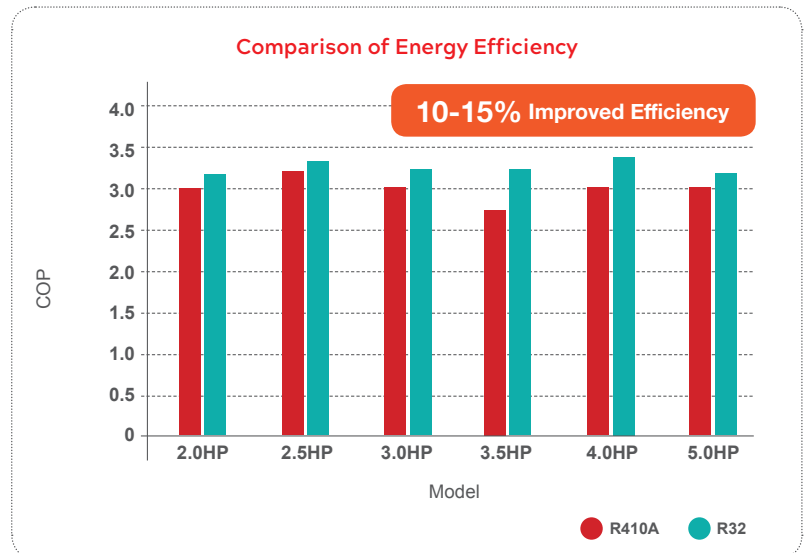
Upgraded Cooling Capacity

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



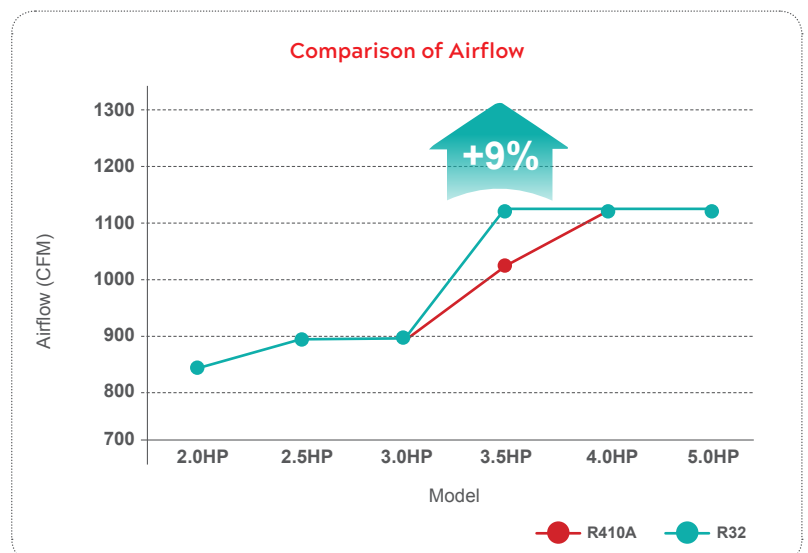
Improved Energy Efficiency

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

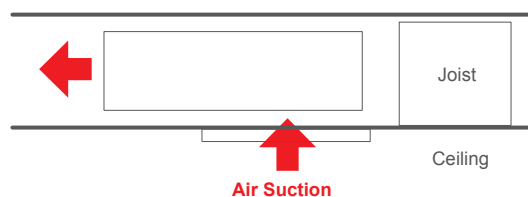
The unit is sophisticatedly concealed inside the ceiling, thin unit design make it perfectly adequate to reserve the space for various interior design applications.



Model	Unit Height
A3CC20/25/30/35/40/50/60J	246 mm

Higher Flexibility

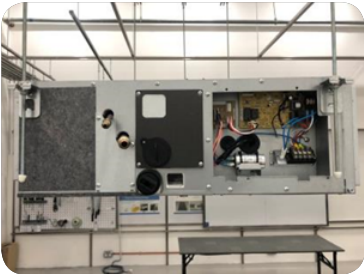
Easy conversion from rear return to bottom return is possible to be done on new R32 ceiling concealed to fit in according to building structures. Higher flexibility is available to cope with different customer requirements.



Flexible Installation

Selectable External Static Pressure (ESP)

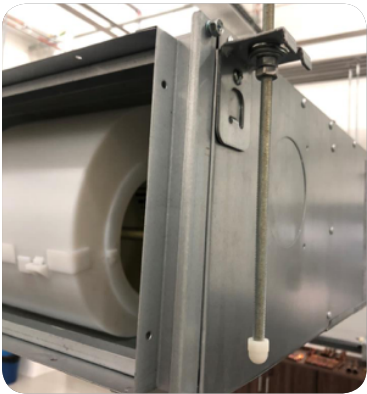
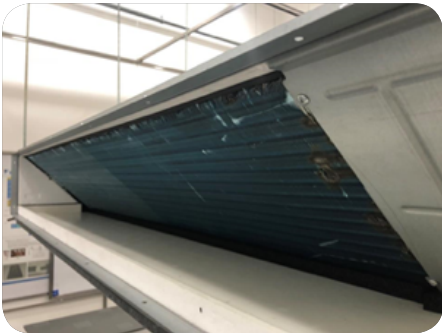
Two different ESP can be easily selected by switching the connector inside the control box as shown below. According to duct design required for comfort, the adjustment can be done easily during installation at the control box.



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

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.

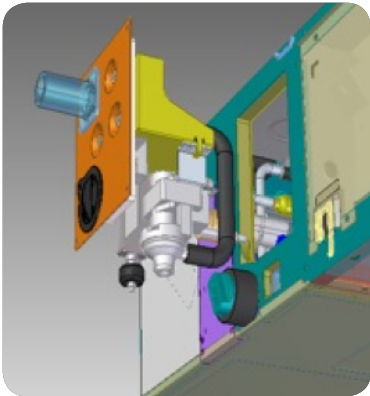


Pre-Installed Filter Rail

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

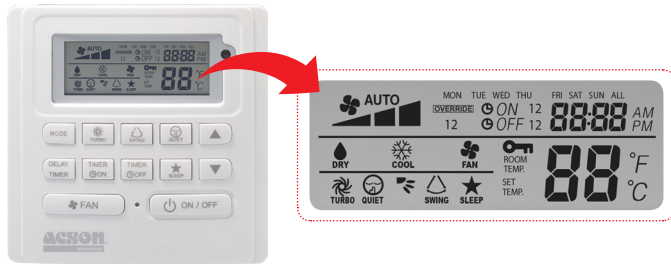
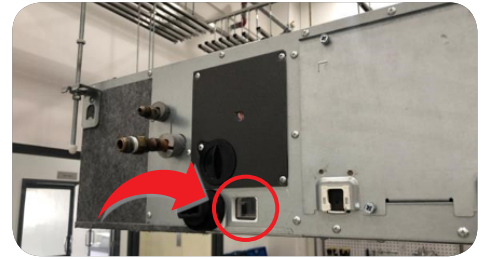
Drainage pump helps to channel the condensate water more effectively. Optional drainage pump could be purchased as accessory and installed at the designated location of the ceiling concealed unit.



Better Serviceability

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.



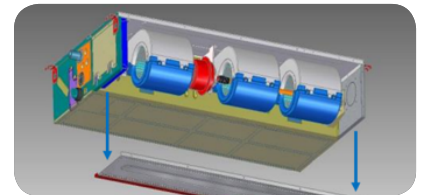
Weekly Schedule Timer

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

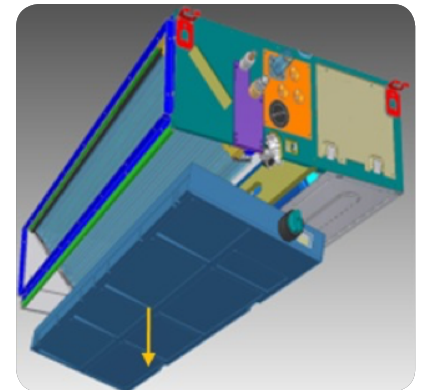
Blower & Motor

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.



Trustworthy Service

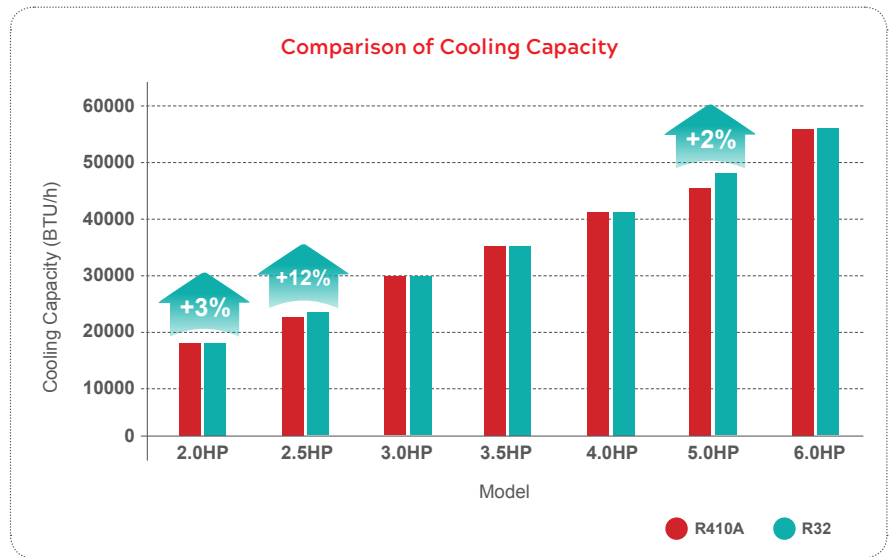
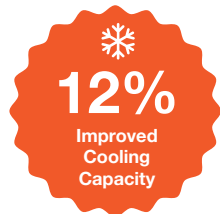
Based on more than 30 years of service experience, Acson Malaysia has strategically developed a comprehensive service process from pre-sales support to after-sales service. We provide professional and insightful solutions that best meet customers' needs and interests.

** Available for Acson indoor and outdoor full set purchasing:
Compressor (outdoor unit 65,000 BTU/h & below) = 5 years warranty.
Compressor (outdoor unit above 65,000 BTU/h) = 1 year warranty.*

Superior Performance

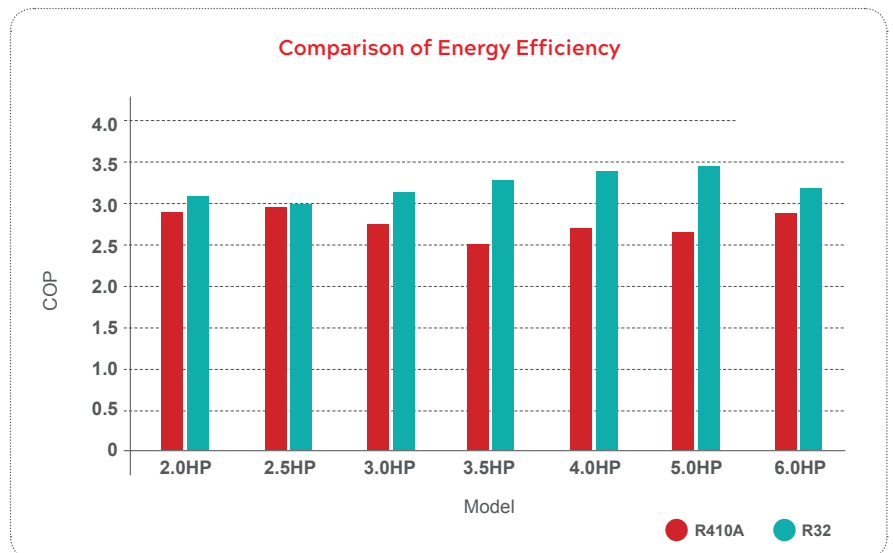
Extraordinary Cooling Performance

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



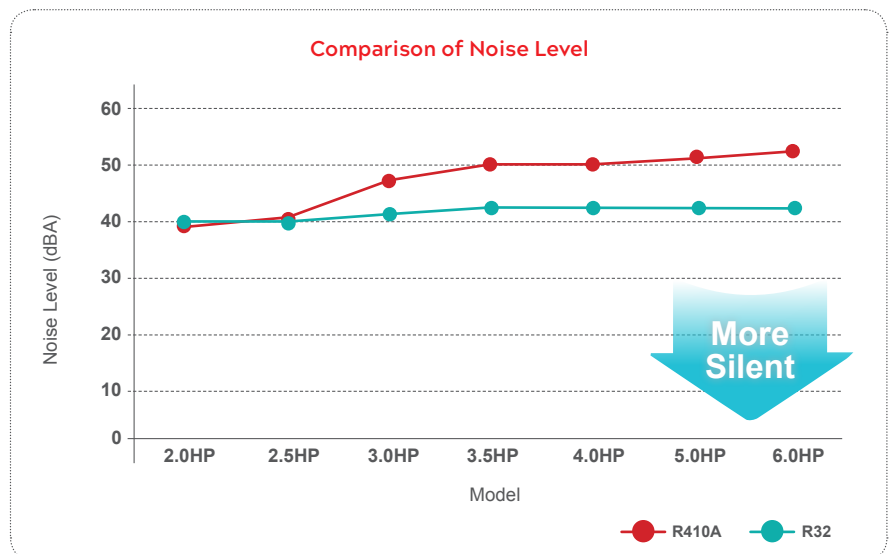
Energy Saving to the Next Level

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.

Accessories

Wireless Controller GS02

The ergonomically designed wireless control enables the unit to be under your control all time. The advance yet simple design with large buttons is easily accessible with big LCD display.




The image shows the Wireless Controller GS02, a white handheld device with a small LCD screen at the top displaying '24' and '12:00'. Below the screen are several buttons, each numbered from 1 to 10. The buttons are arranged in two columns. The left column contains buttons 1 through 5, and the right column contains buttons 6 through 10. The buttons are labeled: 1. POWER, 2. SWING, 3. TURBO, 4. MODE, 5. QUIET, 6. SLEEP, 7. FAN, 8. TEMPERATURE, 9. TIMER, and 10. CLOCK. The device is set against a background of stylized circuit lines.

- 1 Illuminate POWER Button**
The Power Button turns the unit ON or OFF. It illuminates when you need it in the dark.
- 2 Swing Button**
Swing at your command or fix the louver at your preferred position.
- 3 TURBO Button**
Rapidly cools down your room within 20 minutes.
- 4 MODE Button**
Different Mode for different ambient - Cool, Dry, and Fan.
- 5 QUIET Button**
The unique quiet mode further increase the acoustic comfort level for serenity and tranquility.
- 6 SLEEP Button**
The sleep mode gradually increases the room temperature to ensure comfortable and mellow sleeping environment.
- 7 FAN Button**
Control your air flow to Low, Medium, High or Auto to let your unit do the thinking.
- 8 TEMPERATURE Button**
Set the temperature according to your preferences.
- 9 TIMER Button**
Turn On or Off the unit with its built in timer which repeats itself every 24 hours.
- 10 CLOCK Button**
Set the real time clock.

Wired Controller SLM 9

The Ceiling Concealed C Series is supplied with SLM 9 micro computer thermostat as the standard controller. This wired controller with LCD screen with every information of the unit easily visible. It is adapted to fan coil and electromechanical valve's control.



The image shows the Wired Controller SLM 9, a white rectangular device with a larger LCD screen at the top displaying '88.88'. Below the screen are several buttons, each numbered from 1 to 9. The buttons are arranged in two columns. The left column contains buttons 1 through 5, and the right column contains buttons 6 through 9. The buttons are labeled: 1. LCD Display, 2. MODE, 3. TEMPERATURE, 4. DELAY TIMER, 5. TIMER, 6. SLEEP, 7. FAN, 8. ON/OFF Power, and 9. Real Time Clock. The device is set against a background of stylized circuit lines.

- 1 LCD Display**
Every information on the unit vividly display in LCD screen.
- 2 MODE Button**
Different Mode for different ambient - Cool, Dry, and Fan.
- 3 TEMPERATURE Button**
Set the temperature according to your preferences
- 4 DELAY TIMER Button**
Delay the "OFF" timer function by maximum of 2 hour.
- 5 TIMER Button**
Turn On or Off the unit automatically with its built in timer. Maximum of 2 On and 2 Off timers.
- 6 SLEEP Button**
The sleep mode gradually increases the room temperature to ensure comfortable and mellow sleeping environment.
- 7 FAN Button**
Control your air flow to Low, Medium, High or Auto to let your unit do the thinking.
- 8 ON/OFF Power Button**
Turn On or Off the unit with its built in timer which repeats itself every 24 hours.
- 9 Real Time Clock (RTC)**
Set the real time clock.

Functionality



✓ Standard ✓ Optional

Category	Functions	Ceiling Cassette	Ceiling Concealed
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



APLCKF-NMFBB



A3CK20/25/30/35/40/50F

Model		Indoor Unit	A3CK20F	A3CK25F	A3CK30F	A3CK35F	A3CK40F	A3CK50F
		Outdoor Unit	A3LC20F	A3LC25F	A3LC30F	A3LC35D	A3LC40D	A3LC50D
Capacity		HP	2.0	2.5	3.0	3.5	4.0	5.0
Nominal Cooling Capacity min - max)		BTU/h	18500	24000	30000	36000	42000	48000
		kW	5.42	7.03	8.79	10.55	12.31	14.07
Nominal Total Input Power		W	1680	2130	2710	3150	3620	4100
Nominal Running Current		A	7.46	9.45	12.10	14.30	6.78	7.59
CSPF		W/W	3.43	3.50	3.44	3.56	3.61	3.64
Power Source		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50
Indoor Unit	Air Flow	CFM	840/700/560/440	890/760/620/490	890/760/620/490	1120/1030/890/760	1120/1030/890/760	1120/1030/890/760
	Sound Pressure Level (H/M/L)	dBA	42/39/37/35	44/40/37/35	44/40/37/35	48/46/43/40	48/46/43/40	48/46/43/40
	Unit Dimension (H x W x D)	mm (in)	246 x 840 x 840 (9.69 x 33.07 x 33.07)	246 x 840 x 840 (9.69 x 33.07 x 33.07)	246 x 840 x 840 (9.69 x 33.07 x 33.07)	288 x 840 x 840 (11.34 x 33.07 x 33.07)*	288 x 840 x 840 (11.34 x 33.07 x 33.07)	288 x 840 x 840 (11.34 x 33.07 x 33.07)
	Unit Dimension With Panel (H x W x D)	mm (in)	301 x 950 x 950 (11.85 x 37.40 x 37.40)	301 x 950 x 950 (11.85 x 37.40 x 37.40)	301 x 950 x 950 (11.85 x 37.40 x 37.40)	343 x 950 x 950 (13.50 x 37.40 x 37.40)	343 x 950 x 950 (13.50 x 37.40 x 37.40)	343 x 950 x 950 (13.50 x 37.40 x 37.40)
	Unit Weight	kg	22	22	22	25	25	25
	Unit Weight With Panel	kg	5	5	5	5	5	5
Outdoor Unit	Sound Pressure Level	dBA	52	52	54	56	58	60
	Unit Dimension (H x W x D)	mm (in)	615 x 845 x 300 (24.21 x 33.27 x 11.81)	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)	852 x 1030 x 400 (33.54 x 40.55 x 15.75)	852 x 1030 x 400 (33.54 x 40.55 x 15.75)
	Unit Weight	kg	40	46	53	62	79	84
	Pipe Connection	Liquid	mm (in)	6.35 (1/4)	6.35 (1/4)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)
		Gas	mm (in)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Maximum Piping Length	m	35	35	50	50	50	50
	Maximum Piping Elevation	m	20	20	30	30	30	30
	Refrigerant		R32	R32	R32	R32	R32	R32



GS02 (Default)



SLM9 (Optional)



A3LC20/25/30F



A3LC35/40/50D

Technical Specification

Ceiling Concealed



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

Model		Indoor Unit	A3CC20J	A3CC25J	A3CC30J	A3CC35J	A3CC40J	A3CC50J	A3CC60J
		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 (min - max)		BTU/h	18500	23500	30000	36000	42000	48000	55000
		kW	5.42	6.89	8.79	10.55	12.31	14.07	16.12
Nominal Total Input Power		W	1750	2290	2770	3200	3660	4100	4950
Nominal Running Current		A	7.74	10.3	12.4	14.8	6.85	7.51	8.73
CSPF		W/W	3.29	3.20	3.37	3.50	3.57	3.64	3.46
Power Source		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Indoor Unit	Air Flow	CFM	590/525/430	590/525/430	950/810/700	1260/1095/920	1260/1095/920	1260/1095/920	1400/1280/1120
	External Static Pressure (Std/High)	Pa	30/50	30/50	30/50	50/80	50/80	50/80	50/60
	Sound Pressure Level (H/M/L)	dBA	40/37/34	40/37/34	41/38/35	42/39/36	42/39/36	42/39/36	43/42/39
	"Unit Dimension (H x W x D)"	mm (in)	250 x 700 x 700 (9.84 x 27.56 x 27.56)	250 x 700 x 700 (9.84 x 27.56 x 27.56)	250 x 1000 x 700 (9.84 x 39.37 x 27.56)	250 x 1400 x 700 (9.84 x 55.12 x 27.56)	250 x 1400 x 700 (9.84 x 55.12 x 27.56)	250 x 1400 x 700 (9.84 x 55.12 x 27.56)	250 x 1400 x 700 (9.84 x 55.12 x 27.56)
	Unit Weight	kg	24	24	31	40	40	42	44
Outdoor Unit	Sound Pressure Level	dBA	52	52	54	56	58	60	62
	Unit Dimension (H x W x D)	mm (in)	615 X 845 X 300	615 X 845 X 300	695 X 930 X 350	852 X 1030 X 400	852 X 1030 X 400	852 X 1030 X 400	852 X 1030 X 400
	Unit Weight	kg	40	46	53	62	79	84	94
	Pipe Connection	Liquid	mm (in)	6.35 (1/4)	6.35 (1/4)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)	9.53 (3/8)
		Gas	mm (in)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	19.15 (3/4)
	Maximum Piping Length	m	35	35	50	50	50	50	50
	Maximum Piping Elevation	m	20	20	30	30	30	30	30
	Refrigerant		R32	R32	R32	R32	R32	R32	R32



GS02 (Optional)



SLM9 (Default)



A3LC20/25/30F



A3LC35/40/50/60D



ACSON MALAYSIA SALES & SERVICE SDN.BHD. (129688-D)

a member of DAIKIN group

Lot 4, Lorong 19/1A, Seksyen 19, 46300 Petaling Jaya,
Selangor Darul Ehsan, MALAYSIA.

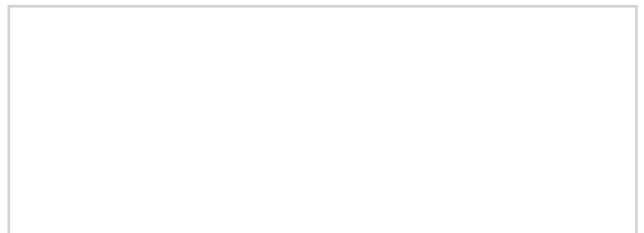
Tel : +603 7964 8200 Sales Fax : +603 7956 9909

Service Fax : +603 7956 9907 Acson Careline : 1300 22 3344

Penang	: +604-5377 176	Pahang	: +609-5178 696
Perak	: +605-3129 828	Kelantan	: +609-7405 233
Melaka	: +606-2926 196	Sarawak	: +6082-344 128
Johor	: +607-3551 599	Sabah	: +6088-420 205

www.acson.com.my

Authorized Dealer :



Products manufactured in an ISO certified facility.
This document contains the most current product information as of this printing.
For the most up-to-date product information, please logon to www.acson.com.my