

HEAT PUMP MODEL		INDOOR UNIT		ACK 20ER		ACK 25ER		ACK 28ER	
		OUTDOOR UNIT		ALC 20CR		ALC 25CR		ALC 28CR	
NOMINAL COOLING CAPACITY		Btu/h		19500		25000		27000	
		W		5715		7327		7913	
NOMINAL HEATING CAPACITY		Btu/h		19500		25000		28000	
		W		5715		7327		8206	
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>	COOLING	W	1960		2540		2720	
		HEATING	W	1690		2310		2350	
	EER- 1Ø <3Ø>	W/W	2.91		2.89		2.91		
	COP- 1Ø <3Ø>	W/W	3.38		3.17		3.50		
COOLING ONLY MODEL		INDOOR UNIT		ACK 20E		ACK 25E		ACK 28E	
		OUTDOOR UNIT		ALC 20C		ALC 25C		ALC 28C	
NOMINAL CAPACITY		Btu/h		19500		25000		27000	
		W		5715		7327		7913	
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		W	1960		2540		2720	
	EER- 1Ø <3Ø>		W/W	2.91		2.89		2.91	
POWER SOURCE- 1Ø <3Ø>		V/Ph/Hz		220 - 240 / 1 / 50					
INDOOR UNIT	AIR FLOW	HIGH	l/s / CFM	280 / 600		320 / 680		410 / 860	
		MEDIUM	l/s / CFM	250 / 530		280 / 600		340 / 725	
		LOW	l/s / CFM	200 / 430		250 / 530		290 / 620	
		SUPER LOW	l/s / CFM	190 / 400		200 / 430		250 / 530	
	SOUND PRESSURE LEVEL (H/M/L/SL)	dBA	34 / 31 / 28 / 27		37 / 34 / 31 / 30		41 / 38 / 35 / 32		
UNIT DIMENSION ( ) - WITH PANEL	HEIGHT	mm / in	265 ( 340 ) / 10.4 ( 13.4 )						
	WIDTH	mm / in	820 ( 990 ) / 32.3 ( 39.0 )						
	DEPTH	mm / in	820 ( 990 ) / 32.3 ( 39.0 )						
WEIGHT (UNIT + PANEL)	kg / lb	29 + 6 / 63.9 + 13.2		29 + 6 / 63.9 + 13.2		29 + 6 / 63.9 + 13.2			
SOUND PRESSURE LEVEL	dBA	51		52		54			
OUTDOOR UNIT	UNIT DIMENSION	HEIGHT	mm / in	654 / 25.7		756 / 29.8			
		WIDTH	mm / in	855 / 33.7		855 / 33.7			
		DEPTH	mm / in	328 / 12.9		328 / 12.9			
	UNIT WEIGHT	kg / lb	59 / 130.1		62 / 136.7		68 / 150		
PIPE CONNECTION	TYPE	FLARE VALVE							
		SIZE	LIQUID	mm / in	6.35 / 1/4		9.52 / 3/8		
		GAS	mm / in	15.88 / 5/8		15.88 / 5/8			

HEAT PUMP MODEL		INDOOR UNIT		ACK 40ER		
		OUTDOOR UNIT		ALC 35CR		
NOMINAL COOLING CAPACITY		Btu/h		35000		
		W		10258		
NOMINAL HEATING CAPACITY		Btu/h		35000		
		W		10258		
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>	COOLING	W	3010		
		HEATING	W	2750		
	EER- 1Ø <3Ø>	W/W	3.41			
	COP- 1Ø <3Ø>	W/W	3.73			
COOLING ONLY MODEL		INDOOR UNIT		ACK 40E		
		OUTDOOR UNIT		ALC 35C		
NOMINAL CAPACITY		Btu/h		35000		
		W		10258		
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		W	3010		
	EER- 1Ø <3Ø>		W/W	3.41		
POWER SOURCE- 1Ø <3Ø>		V/Ph/Hz		<380 - 415 / 3 / 50>		
INDOOR UNIT	AIR FLOW	HIGH	l/s / CFM	490 / 1030		
		MEDIUM	l/s / CFM	410 / 860		
		LOW	l/s / CFM	350 / 740		
		SUPER LOW	l/s / CFM	295 / 620		
	SOUND PRESSURE LEVEL (H/M/L/SL)	dBA	44 / 41 / 38 / 36			
UNIT DIMENSION ( ) - WITH PANEL	HEIGHT	mm / in	300 (375) / 11.8 (14.8)			
	WIDTH	mm / in	820 (990) / 32.3 (39.0)			
	DEPTH	mm / in	820 (990) / 32.3 (39.0)			
WEIGHT (UNIT + PANEL)	kg / lb	42 + 6 + / 92.6 + 13.2				
SOUND PRESSURE LEVEL	dBA	58				
OUTDOOR UNIT	UNIT DIMENSION	HEIGHT	mm / in	850 / 33.5		
		WIDTH	mm / in	1030 / 40.6		
		DEPTH	mm / in	400 / 15.7		
	UNIT WEIGHT	kg / lb	95 / 209.4			
PIPE CONNECTION	TYPE	FLARE VALVE				
		SIZE	LIQUID	mm / in	9.52 / 3/8	
		GAS	mm / in	19.05 / 3/4		

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.  
 2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.  
 3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:  
 a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR  
 b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR  
 4) FOR ACK 20/25 E/ER, SOUND PRESSURE LEVEL ARE MEASURED IN AN ANECHOIC CHAMBER, ACCORDING TO JIS C 9612 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.4m BELOW FASCIA.  
 FOR ACK 28/40/50 E/ER, SOUND PRESSURE LEVEL ARE MEASURED IN AN ANECHOIC CHAMBER, ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.5m BELOW FASCIA.

HEAT PUMP MODEL		INDOOR UNIT		A5CK 20ER		A5CK 25ER		A5CK 28ER	
		OUTDOOR UNIT		A5LC 20CR		A5LC 25CR		A5LC 28CR	
NOMINAL COOLING CAPACITY		Btu/h		18300		22200		27000	
		W		5363		6506		7913	
NOMINAL HEATING CAPACITY		Btu/h		17700		20500		28000	
		W		5188		6008		8206	
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>	COOLING	W	1740		1940		2790	
		HEATING	W	1490		1760		2320	
	EER- 1Ø <3Ø>	W/W	3.08		3.36		2.84		
	COP- 1Ø <3Ø>	W/W	3.48		3.41		3.53		
COOLING ONLY MODEL		INDOOR UNIT		A5CK 20E		A5CK 25E		A5CK 28E	
		OUTDOOR UNIT		A5LC 20C		A5LC 25C		A5LC 28C	
NOMINAL CAPACITY		Btu/h		18300		22200		27000	
		W		5363		6506		7913	
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		W	1740		1940		2790	
	EER- 1Ø <3Ø>		W/W	3.08		3.36		2.84	
POWER SOURCE- 1Ø <3Ø>		V/Ph/Hz		220 - 240 / 1 / 50					
INDOOR UNIT	AIR FLOW	HIGH	l/s / CFM	280 / 600		320 / 680		410 / 860	
		MEDIUM	l/s / CFM	250 / 530		280 / 600		340 / 725	
		LOW	l/s / CFM	200 / 430		250 / 530		290 / 620	
		SUPER LOW	l/s / CFM	190 / 400		200 / 430		250 / 530	
	SOUND PRESSURE LEVEL (H/M/L/SL)	dBA	34 / 31 / 28 / 27		37 / 34 / 31 / 30		41 / 38 / 35 / 32		
UNIT DIMENSION ( ) - WITH PANEL	HEIGHT	mm / in	265 (340) / 10.4 (13.4)		265 (340) / 10.4 (13.4)				
	WIDTH	mm / in	820 (990) / 32.3 (39.0)		820 (990) / 32.3 (39.0)				
	DEPTH	mm / in	820 (990) / 32.3 (39.0)		820 (990) / 32.3 (39.0)				
WEIGHT (UNIT + PANEL)	kg / lb	29 + 6 / 63.9 + 13.2		29 + 6 / 63.9 + 13.2		29 + 6 / 63.9 + 13.2			
SOUND PRESSURE LEVEL	dBA	51		52		54			
OUTDOOR UNIT	UNIT DIMENSION	HEIGHT	mm / in	654 / 25.7		756 / 29.8			
		WIDTH	mm / in	855 / 33.7		855 / 33.7			
		DEPTH	mm / in	328 / 12.9		328 / 12.9			
	UNIT WEIGHT	kg / lb	59 / 130.1		62 / 136.7		68 / 150		
PIPE CONNECTION	TYPE	FLARE VALVE							
		SIZE	LIQUID	mm / in	6.35 / 1/4		9.52 / 3/8		
		GAS	mm / in	12.70 / 1/2		15.88 / 5/8			

HEAT PUMP MODEL		INDOOR UNIT		A5CK 40ER		
		OUTDOOR UNIT		A5LC 35CR		
NOMINAL COOLING CAPACITY		Btu/h		29200 < 31000 >		
		W		8558 < 9086 >		
NOMINAL HEATING CAPACITY		Btu/h		31800 < 33400 >		
		W		9320 < 9789 >		
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>	COOLING	W	2820 < 2770 >		
		HEATING	W	2550 < 2550 >		
	EER- 1Ø <3Ø>	W/W	3.03 < 3.28 >			
	COP- 1Ø <3Ø>	W/W	3.66 < 3.84 >			
COOLING ONLY MODEL		INDOOR UNIT		A5CK 40E		
		OUTDOOR UNIT		A5LC 35C		
NOMINAL CAPACITY		Btu/h		29200 < 31000 >		
		W		8558 < 9086 >		
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		W	2820 < 2770 >		
	EER- 1Ø <3Ø>		W/W	3.03 < 3.28 >		
POWER SOURCE- 1Ø <3Ø>		V/Ph/Hz		<380 - 415 / 3 / 50>		
INDOOR UNIT	AIR FLOW	HIGH	l/s / CFM	490 / 1030		
		MEDIUM	l/s / CFM	410 / 860		
		LOW	l/s / CFM	350 / 740		
		SUPER LOW	l/s / CFM	295 / 620		
	SOUND PRESSURE LEVEL (H/M/L/SL)	dBA	44 / 41 / 38 / 36			
UNIT DIMENSION ( ) - WITH PANEL	HEIGHT	mm / in	300 (375) / 11.8 (14.8)			
	WIDTH	mm / in	820 (990) / 32.3 (39.0)			
	DEPTH	mm / in	820 (990) / 32.3 (39.0)			
WEIGHT (UNIT + PANEL)	kg / lb	42 + 6 + / 92.6 + 13.2				
SOUND PRESSURE LEVEL	dBA	58				
OUTDOOR UNIT	UNIT DIMENSION	HEIGHT	mm / in	850 / 33.5		
		WIDTH	mm / in	1030 / 40.6		
		DEPTH	mm / in	400 / 15.7		
	UNIT WEIGHT	kg / lb	95 / 209.4			
PIPE CONNECTION	TYPE	FLARE VALVE				
		SIZE	LIQUID	mm / in	9.52 / 3/8	
		GAS	mm / in	15.88 / 5/8		

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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 go to [www.acson-international.com](http://www.acson-international.com).



Makes Life A Luxury



Ceiling Cassette E Series

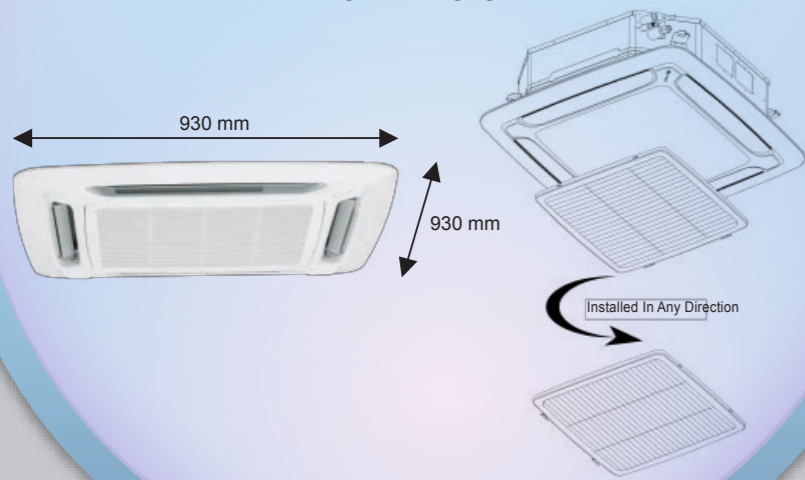


### Stylish Panel

The aerodynamic ceiling cassette E series panel is designed with the idea to improve the comfort level by allowing more even air distribution. The indicating LED are properly located to catch less attention while remain visible from every angles.

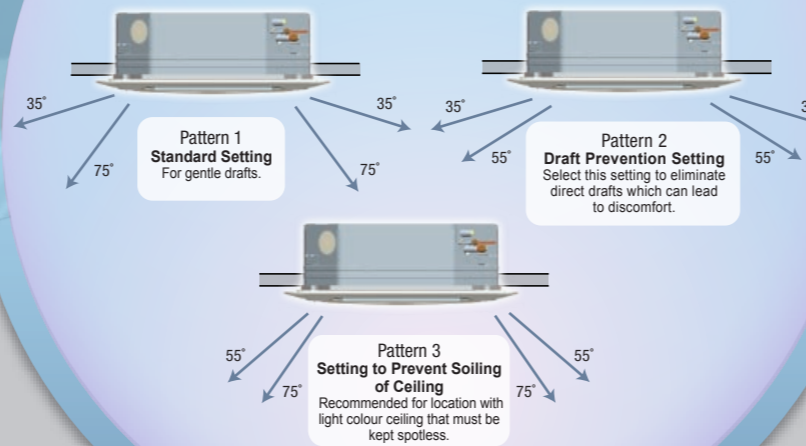
### Uniform Installation

All model of ceiling cassette E series use the same panel. The air intake grill installation also allows 90° rotation to have the same intake grill lines direction. Combining these two features, multiple installations of ceiling cassette E series can maintains uniformity and thus creating pleasant view. This will also ease the planning of ceiling light installation.



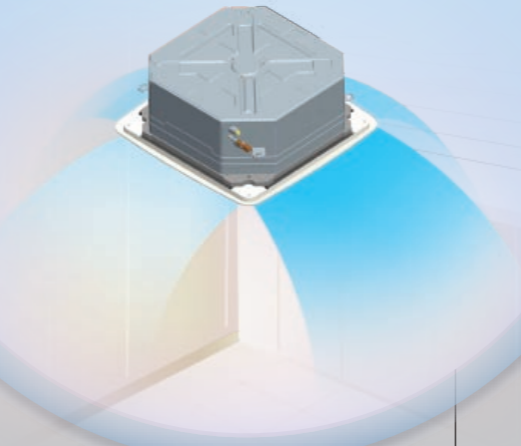
### Optimized Comfort – 3 Air Swing Pattern Control

To increase the comfort level of the air conditioned area of ACK-E series, the system had been built in with 3 different type of air swing pattern to suit different requirement.



### Optimal Air Distribution

The ceiling cassette E series comes with a wide 4 way air discharge to provide optimal air distribution. To add on to the comfort, the air discharge are equipped with automatic air swing louver to help evenly distribute the conditioned air.



### Auto Mode

Auto Mode allows the setting to change automatically between cool and heat mode depending on the room temperature and the set temperature required

### Hot Keep Cycle

During heat mode hot keep cycle, the fan will run at low speed during the thermostat cycle off. As a result, one will not feel the draft of cold air discharge from the unit. Option of fan stop or fan run at specific interval timing can also be selected.

### Compact And User Friendly Handset

- Prominent temperature display.
- Real-time clock display
- Easily accessible buttons for On/Off, Temperature Setting, Fan Speed and Mode control.
- Dedicated buttons for Silent Mode.

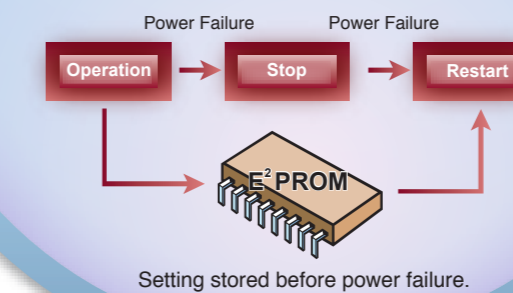


### Personalized Setting

Allows users to store 2 sets of individual settings including operating mode, temperature, fan speed, and ON/OFF timer according to each person's specific needs. Each setting be restored quite conveniently at a later time.

### Auto Random Restart

In the event of a sudden power failure during operation, unit can be automatically restart (subject to certain protection conditions) from last setting condition. This eliminates the need to restart manually after each power failure.



### Quiet Operation and Compact Design

The air turbulence of the ceiling cassette E series are controlled with the improved turbo fan and air discharge chamber. This small turbo fan design and neat structure contributes a compact ceiling cassette E design.

Indoor Model	A(5)CK 20E(ER)	A(5)CK 25E(ER)	A(5)CK 28E(ER)	A(5)CK 40E(ER)	A(5)CK 50E(ER)
High (dBA)	34	37	41	44	47
Silent (dBA)	27	30	32	36	41



### Built-In High Head Drain Pump

To ensure a peace of mind, the ceiling cassette E series is incorporated with a 700mm high head drain pump to dismiss the drain water. For further protection, the unit is build in with a water level switch to monitor the drain water.

