



Ceiling Cassette Split System



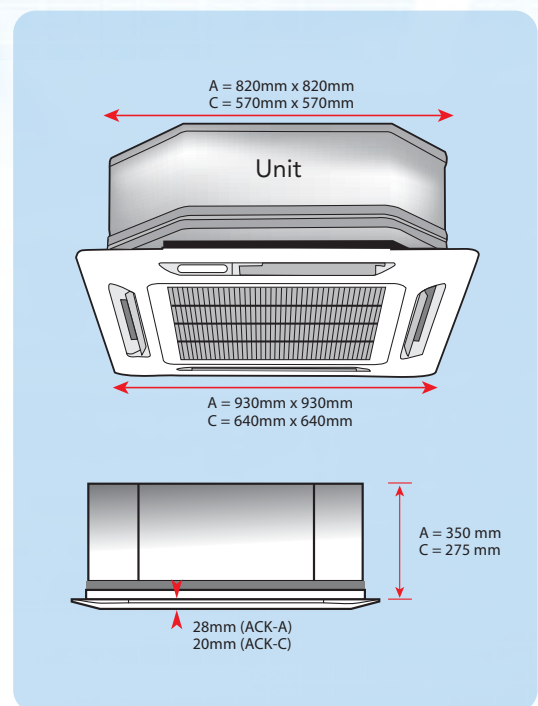


Wide Range Of Offerings

The 2 series of ACK offers flexibility and choices for installation depending on the interior design requirements. The compact ACK-C series fits perfectly into the standard ceiling board of 600mm x 600mm and thus offers easy installation.

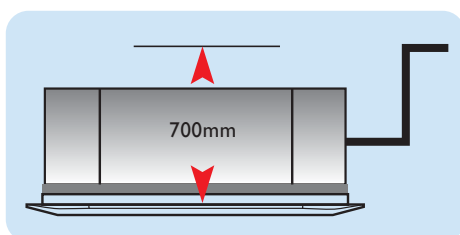
Stylish And Slim Panel

The slim panel can be blended easily into any interior decoration and design.



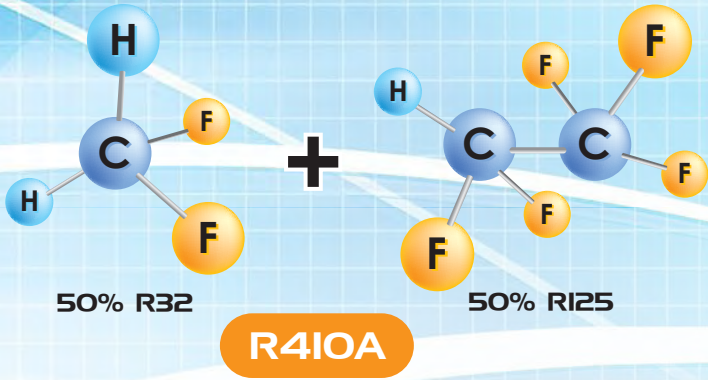
4 Way Air Discharge And Air Swing

It comes with 4 way air discharge and air swing function to ensure better air distribution and circulation in the room.



Built-In High Head Drain Pump

The unit comes with a built-in high head drain pump 700mm head. A safety float is incorporated in the drain pump to monitor its water level.



R410A Refrigerant

- Higher volumetric capacity and increased the COP compared to R22

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 fill the draft of cold air discharge from the unit. Option of fan stop or fan run at specific interval timing can also be selected.

Self Diagnosis

This intelligent feature helps to detect faults or malfunctioning in the system and give user a warning by blinking of the LED lights.

NIM – Able

The ACK range of product is able to communicate with the versatile NIM networking control module and offers the opportunity of one centralized control for a system of multiple indoor units in a building.

Choices Of Wired And Wireless Controller

Flexibility in choosing different type of controller for different application needs.



CEILING CASSETTE ACK-A SERIES - R22

HEAT PUMP MODEL		INDOOR UNIT OUTDOOR UNIT		ACK 20AR		ACK 25AR	ACK 30AR		
				ALC 18CR	ALC 20CR	ALC 25CR	ALC 28CR	ALC 30CR	
NOMINAL COOLING CAPACITY			Btu/h	18000	20000	25000	28000	30000	
			W	5280	5860	7330	8206	8792	
NOMINAL HEATING CAPACITY			Btu/h	18500	20000	25000	28000	31000	
			W	5420	5860	7330	8206	9085	
50Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>	COOLING	W	1900	1931	2602	2954	2580 <2533>	
		HEATING	W	1730	1943	2522	2668	2480 <2430>	
	EER- 1Ø <3Ø>	W/W	2.78	3.03	2.82	2.78	3.14 <3.47>		
60Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>	COOLING	W	-	-	-	-	2570	
		HEATING	W	-	-	-	-	2998	
	EER- 1Ø <3Ø>	W/W	-	-	-	-	3.42		
			W/W	-	-	-	-	3.03	
COOLING ONLY MODEL		INDOOR UNIT OUTDOOR UNIT		ACK 20A		ACK 25A	ACK 30A		
				ALC 18C	ALC 20C	ALC 25C	ALC 28C	ALC 30C	
NOMINAL CAPACITY			Btu/h	18000	20000	25000	28000	29000	
			W	5280	5860	7330	8206	8793	
50Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		W	1900	1931	2602	2954	2710 <3460>	
	EER- 1Ø <3Ø>	W/W	2.78	3.03	2.82	2.78	3.24 <2.54>		
60Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		W	-	-	-	-	3208	
	EER- 1Ø <3Ø>	W/W	-	-	-	-	2.74		
POWER SOURCE- 1Ø <3Ø>			V/Ph/Hz	220 - 240 / 1 / 50			220 - 240 / 1 / 50 <380 - 415 / 3 / 50>		
INDOOR UNIT	AIR FLOW	HIGH	CFM / L/s	349 / 740		368 / 780		415 / 880	
		MEDIUM	CFM / L/s	297 / 630		311 / 660		349 / 740	
		LOW	CFM / L/s	283 / 600		283 / 600		321 / 680	
	SOUND PRESSURE LEVEL (H/M/L)		dBA	42 / 39 / 37		45 / 42 / 40		49 / 45 / 43	
	UNIT DIMENSION () - WITH PANEL	HEIGHT	mm/in	335 (378) / 13.2 (14.9)					
		WIDTH	mm/in	820 (930) / 32.2 (36.6)					
DEPTH		mm/in	820 (930) / 32.2 (36.6)						
UNIT WEIGHT		kg/lb	31 + 4 / 68.3 + 8.8		32 + 4 / 70.5 + 8.8		35 + 4 / 77.2 + 8.8		
OUTDOOR UNIT	SOUND PRESSURE LEVEL		dBA	51	51	52	54	58	
	UNIT DIMENSION	HEIGHT	mm/in	654 / 25.7		756 / 29.8		756 / 29.8	850 / 33.46
		WIDTH	mm/in	855 / 33.7		855 / 33.7		855 / 33.7	1030 / 40.55
		DEPTH	mm/in	328 / 12.9		328 / 12.9		328 / 12.9	400 / 15.75
	UNIT WEIGHT		kg/lb	59 / 130.1		62 / 136.7		68 / 149.9	95 / 209.4
	PIPE CONNECTION	TYPE			FLARE VALVE				
SIZE		LIQUID GAS	mm/in	6.35 / 1/4		9.52 / 3/8		9.52 / 3/8	
			mm/in	15.88 / 5/8		15.88 / 5/8		15.88 / 5/8	

CEILING CASSETTE ACK-A SERIES - R22

HEAT PUMP MODEL		INDOOR UNIT OUTDOOR UNIT		ACK 40AR		ACK 50AR	
				ALC 35CR	ALC 40CR	ALC 50CR	
NOMINAL COOLING CAPACITY			Btu/h	34000	39500	48000	
			W	9964	11569	14067	
NOMINAL HEATING CAPACITY			Btu/h	34000	41000	50000	
			W	9964	12016	14654	
50Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>	COOLING	W	3039	3506 <3476>	<4450>	
		HEATING	W	2980	3346 <3316>	<4170>	
	EER- 1Ø <3Ø>	W/W	3.28	3.30 <3.33>	<3.16>		
60Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>	COOLING	W	3039	3140	3940	
		HEATING	W	2980	3548	3999	
	EER- 1Ø <3Ø>	W/W	3.28	3.68	3.57		
			W/W	3.34	3.39	3.66	
COOLING ONLY MODEL		INDOOR UNIT OUTDOOR UNIT		ACK 40A		ACK 50A	
				ALC 35C	ALC 40C	ALC 50C	
NOMINAL CAPACITY			Btu/h	34000	39500	48500	
			W	9960	11570	14200	
50Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		W	3120	3330 <3300>	<4440>	
	EER- 1Ø <3Ø>	W/W	3.19	3.47 <3.51>	<3.20>		
60Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		W	3120	3698	4539	
	EER- 1Ø <3Ø>	W/W	3.19	3.13	3.13		
POWER SOURCE- 1Ø <3Ø>			V/Ph/Hz	220 - 240 / 1 / 50 <380 - 415 / 3 / 50>		220 - 240 / 1 / 50 <380 - 415 / 3 / 50>	
INDOOR UNIT	AIR FLOW	HIGH	CFM / L/s	467 / 990		491 / 1040	
		MEDIUM	CFM / L/s	406 / 860		448 / 950	
		LOW	CFM / L/s	359 / 760		411 / 870	
	SOUND PRESSURE LEVEL (H/M/L)		dBA	51 / 48 / 46		53 / 52 / 50	
	UNIT DIMENSION () - WITH PANEL	HEIGHT	mm/in	335 (378) / 13.2 (14.9)			335 (378) / 13.2 (14.9)
		WIDTH	mm/in	820 (930) / 32.2 (36.6)			820 (930) / 32.2 (36.6)
DEPTH		mm/in	820 (930) / 32.2 (36.6)			820 (930) / 32.2 (36.6)	
UNIT WEIGHT		kg/lb	38 + 4 / 83.8 + 8.8		40 + 4 / 88.2 + 8.8		
OUTDOOR UNIT	SOUND PRESSURE LEVEL		dBA	58	58	58	
	UNIT DIMENSION	HEIGHT	mm/in	850 / 33.46		850 / 33.46	
		WIDTH	mm/in	1030 / 40.55		1030 / 40.55	
		DEPTH	mm/in	400 / 15.75		400 / 15.75	
	UNIT WEIGHT		kg/lb	95 / 209.4	100 / 220.5	105 / 231.5	
	PIPE CONNECTION	TYPE			FLARE VALVE		
SIZE		LIQUID GAS	mm/in	9.52 / 3/8		9.52 / 3/8	
			mm/in	19.05 / 3/4		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 A/AR, SOUND PRESSURE LEVEL ARE ACCORDING TO JIS C 9612 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.4m BELOW FASCIA.
FOR ACK 30/40/50 A/AR, SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.5m BELOW FASCIA.

CEILING CASSETTE ACK-C SERIES - R22

HEAT PUMP MODEL		INDOOR UNIT		ACK 10CR	ACK 15CR	ACK 20CR		
		OUTDOOR UNIT		ALC 10CR	ALC 15CR	ALC 18CR	ALC 20CR	
NOMINAL COOLING CAPACITY		Btu/h		9500	12500	18000	19000	
		W		2780	3660	5280	5570	
NOMINAL HEATING CAPACITY		Btu/h		9500	12500	18400	19500	
		W		2780	3660	5390	5720	
50Hz	NOMINAL TOTAL INPUT POWER	COOLING	W	889	1206	1840	1832	
		HEATING	W	779	1056	1680	1782	
	EER		W/W	3.13	3.03	2.87	3.04	
	COP		W/W	3.57	3.47	3.21	3.21	
COOLING ONLY MODEL		INDOOR UNIT		ACK 10C	ACK 15C	ACK 20C		
		OUTDOOR UNIT		ALC 10C	ALC 15C	ALC 18C	ALC 20C	
NOMINAL CAPACITY		Btu/h		9500	12500	18000	19000	
		W		2782	3663	5280	5570	
50Hz	NOMINAL TOTAL INPUT POWER		W	889	1231	1840	1832	
	EER		W/W	3.13	2.98	2.87	3.04	
POWER SOURCE			V/Ph/Hz	220 - 240 / 1 / 50		220 - 240 / 1 / 50		
INDOOR UNIT	AIR FLOW	HIGH	l/s / CFM	194 / 410	194 / 410	212 / 450		
		MEDIUM	l/s / CFM	184 / 390	184 / 390	203 / 430		
		LOW	l/s / CFM	175 / 370	170 / 360	194 / 410		
	SOUND PRESSURE LEVEL (H/M/L)		dBA	44 / 43 / 42	44 / 42 / 41	47 / 46 / 44		
	UNIT DIMENSION () - WITH PANEL	HEIGHT	mm/in	250 (295) / 9.8 (11.6)			250 (295) / 9.8 (11.6)	
		WIDTH	mm/in	570 (640) / 22.4 (25.2)			570 (640) / 22.4 (25.2)	
		DEPTH	mm/in	570 (640) / 22.4 (25.2)			570 (640) / 22.4 (25.2)	
UNIT WEIGHT (UNIT + PANEL)		kg/lb	22 + 2 / 48.5 + 4.4	23.2 / 50.7 + 4.4	23 + 2 / 50.7 + 4.4			
OUTDOOR UNIT	SOUND PRESSURE LEVEL		dBA	46	49	51	51	
	UNIT DIMENSION	HEIGHT	mm/in	540 / 21.3		654 / 25.7		
		WIDTH	mm/in	700 / 27.6		855 / 33.7		
		DEPTH	mm/in	250 / 9.8		328 / 12.9		
	UNIT WEIGHT		kg/lb	33 / 72.8	35 / 77.2	58 / 127.9	59 / 130.1	
	PIPE CONNECTION	TYPE		FLARE VALVE			FLARE VALVE	
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4	6.35 / 1/4	
GAS			mm/in	9.52 / 3/8	12.70 / 1/2	15.88 / 5/8		

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) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS C 9612 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.4m BELOW FASCIA.

CEILING CASSETTE A5CK-A SERIES - R410A

HEATPUMP MODEL		INDOOR UNIT		A5CK 20AR	A5CK 25AR	A5CK 30AR	A5CK 40AR		A5CK 50AR					
		OUTDOOR UNIT		A5LC 20CR	A5LC 25CR	A5LC 28CR	A5LC 35CR	A5LC 40CR	A5LC 50CR					
NOMINAL COOLING CAPACITY - 1Ø <3Ø>		Btu/h		18500 <18500>	20000 <22860>	28000 <27000>	33500 <33500>	39000 <39000>	<48500>					
		W		5420 <5420>	5860 <6700>	8210 <7910>	9820 <9820>	11430 <11430>	<14210>					
NOMINAL HEATING CAPACITY - 1Ø <3Ø>		Btu/h		18500 <18500>	21500 <23200>	28000 <27000>	35000 <35000>	41000 <41000>	<49000>					
		W		5420 <5420>	6300 <6800>	8210 <7910>	10260 <10260>	12020 <12020>	<14360>					
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>	COOLING	W	1703 <1778>	2003 <2260>	2680 <2729>	3050 <2950>	3834 <3780>	<5000>					
		HEATING	W	1563 <1573>	2033 <2153>	2150 <2381>	2800 <2750>	3310 <3290>	<4580>					
	EER - 1Ø <3Ø>	W/W	3.18 <3.05>	2.93 <2.96>	3.06 <2.90>	3.22 <3.33>	2.98 <3.02>	<2.84>						
		W/W	3.47 <3.45>	3.10 <3.16>	3.82 <3.32>	3.66 <3.73>	3.63 <3.65>	<3.14>						
COP - 1Ø <3Ø>		W/W	3.47 <3.45>	3.10 <3.16>	3.82 <3.32>	3.66 <3.73>	3.63 <3.65>	<3.14>						
COOLING ONLY MODEL		INDOOR UNIT		A5CK 20A	A5CK 25A	A5CK 30A	A5CK 40A		A5CK 50A					
		OUTDOOR UNIT		A5LC 20C	A5LC 25C	A5LC 28C	A5LC 35C	A5LC 40C	A5LC 50C					
NOMINAL CAPACITY - 1Ø <3Ø>		Btu/h		18500 <18500>	20000 <22860>	28000 <27000>	33500 <33500>	39000 <39000>	<48500>					
		W		5420 <5420>	5860 <6700>	8210 <7910>	9820 <9820>	11430 <11430>	<14210>					
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		W	1703 <1778>	2003 <2260>	2680 <2729>	3050 <2950>	3834 <3780>	<5000>					
	EER - 1Ø <3Ø>		W/W	3.18 <3.05>	2.93 <2.96>	3.06 <2.90>	3.22 <3.33>	2.98 <3.02>	<2.84>					
POWER SOURCE - 1Ø <3Ø>		V/Ph/Hz		220-240/1/50 <380-415/3/50>			220-240/1/50 <380-415/3/50>							
INDOOR UNIT	AIR FLOW	HIGH	l/s / CFM	349 / 740		368 / 780		415 / 880		467 / 990		491 / 1040		
		MEDIUM	l/s / CFM	297 / 630		311 / 660		349 / 740		406 / 860		448 / 950		
		LOW	l/s / CFM	283 / 600		283 / 600		321 / 680		359 / 760		411 / 870		
	SOUND PRESSURE LEVEL (H/M/L)		dBA		42 / 39 / 37		45 / 42 / 40		49 / 45 / 43		51 / 48 / 46		53 / 52 / 50	
	UNIT DIMENSION () - WITH PANEL	HEIGHT	mm/in	335 (363) / 13.2 (14.3)			335 (363) / 13.2 (14.3)			335 (363) / 13.2 (14.3)			335 (363) / 13.2 (14.3)	
WIDTH		mm/in	820 (930) / 32.2 (36.6)			820 (930) / 32.2 (36.6)			820 (930) / 32.2 (36.6)			820 (930) / 32.2 (36.6)		
DEPTH		mm/in	820 (930) / 32.2 (36.6)			820 (930) / 32.2 (36.6)			820 (930) / 32.2 (36.6)			820 (930) / 32.2 (36.6)		
WEIGHT (UNIT + PANEL)		kg/lb		31 + 4 / 68.3 + 8.8		32 + 4 / 70.5 + 8.8		35 + 4 / 77.2 + 8.8		38 + 4 / 83.8 + 8.8		40 + 4 / 88.2 + 8.8		
OUTDOOR UNIT	SOUND PRESSURE LEVEL		dBA		52		52		54		58		68	
	UNIT DIMENSION	HEIGHT	mm/in	654 / 25.7		756 / 29.8		756 / 29.8		850 / 33.46		850 / 33.46		
		WIDTH	mm/in	855 / 33.7		855 / 33.7		855 / 33.7		1030 / 40.55		1030 / 40.55		
		DEPTH	mm/in	328 / 12.9		328 / 12.9		328 / 12.9		400 / 15.75		400 / 15.75		
	UNIT WEIGHT		kg/lb		59 / 130.1		62 / 136.7		68 / 149.9		95 / 209.4		100 / 220.5	
PIPE CONNECTION	SIZE	LIQUID	mm/in	6.35 / 1/4		6.35 / 1/4		9.52 / 3/8		9.52 / 3/8		9.52 / 3/8		
		GAS	mm/in	12.70 / 1/2		15.88 / 5/8		15.88 / 5/8		15.88 / 5/8		15.88 / 5/8		

CEILING CASSETTE A5CK-C SERIES - R410A

HEATPUMP MODEL		INDOOR UNIT		A5CK 10CR	A5CK 15CR	A5CK 20CR				
		OUTDOOR UNIT		A5LC 10CR	A5LC 15CR	A5LC 20CR				
NOMINAL COOLING CAPACITY - 1Ø <3Ø>		Btu/h		9500	12500	17500 <18000>				
		W		2780	3660	5129 <5280>				
NOMINAL HEATING CAPACITY - 1Ø <3Ø>		Btu/h		9500	11500	17500 <18500>				
		W		2780	3370	5129 <5420>				
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>	COOLING	W	950	1261	1690 <1724>				
		HEATING	W	802	1111	1520 <1494>				
	EER - 1Ø <3Ø>	W/W	2.93	2.90	3.03 <3.06>					
		W/W	3.47	3.03	3.37 <3.63>					
COOLING ONLY MODEL		INDOOR UNIT		A5CK 10C	A5CK 15C	A5CK 20C				
		OUTDOOR UNIT		A5LC 10C	A5LC 15C	A5LC 20C				
NOMINAL CAPACITY - 1Ø <3Ø>		Btu/h		9500	12500	17500 <18000>				
		W		2780	3360	5129 <5280>				
50 Hz	NOMINAL TOTAL INPUT POWER - 1Ø <3Ø>		W	950	1261	1690 <1724>				
	EER - 1Ø <3Ø>		W/W	2.93	2.90	3.03 <3.06>				
POWER SOURCE - 1Ø <3Ø>		V/Ph/Hz		220 - 240 / 1 / 50		220-240/1/50 <380-415/3/50>				
INDOOR UNIT	AIR FLOW	HIGH	l/s / CFM	189 / 400		194 / 410		212 / 450		
		MEDIUM	l/s / CFM	184 / 390		184 / 390		203 / 430		
		LOW	l/s / CFM	175 / 370		170 / 360		194 / 410		
	SOUND PRESSURE LEVEL (H/M/L)		dBA		44 / 43 / 42		44 / 42 / 41		47 / 46 / 44	
	UNIT DIMENSION () - WITH PANEL	HEIGHT	mm/in	250 (295) / 9.8 (11.6)			250 (295) / 9.8 (11.6)			
WIDTH		mm/in	570 (640) / 22.4 (25.2)			570 (640) / 22.4 (25.2)				
DEPTH		mm/in	570 (640) / 22.4 (25.2)			570 (640) / 22.4 (25.2)				
UNIT WEIGHT (UNIT + PANEL)		kg/lb		22 + 2 / 48.5 + 4.4		23.2 / 50.7 + 4.4		23 + 2 / 50.7 + 4.4		
OUTDOOR UNIT	SOUND PRESSURE LEVEL		dBA		46		49		52	
	UNIT DIMENSION	HEIGHT	mm/in	540 / 21.3		540 / 21.3		654 / 25.7		
		WIDTH	mm/in	700 / 27.6		700 / 27.6		855 / 33.7		
		DEPTH	mm/in	250 / 9.8		250 / 9.8		328 / 12.9		
	UNIT WEIGHT		kg/lb		31 / 72.75		35 / 77.16		59 / 130.1	
PIPE CONNECTION	SIZE	LIQUID	mm/in	6.35 / 1/4		6.35 / 1/4		6.35 / 1/4		
		GAS	mm/in	9.52 / 3/8		9.52 / 3/8		12.70 / 1/2		

- 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 A5CK 20/25 A/A/R & A5CK-C SERIES, SOUND PRESSURE LEVEL ARE ACCORDING TO JIS C 9612 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.4m BELOW FASCIA. FOR A5CK 30/40/50 A/A/R, SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1.5m BELOW FASCIA.

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.



Makes Life A Luxury