

MULTI SPLIT SYSTEM THE HYDRA

**Direct Expansion System
Inverter System**



ACSON
International
Air Conditioners

MULTI SPLIT SYSTEM

The Hydra

Acson Multi Split System allows one outdoor unit to couple with up to three indoor units. It utilises minimum floor space and is specially suitable for confined environment like condominium and for a better looking building exterior.



Model: A5MSY 20/25/30BR

Cooling Capacity: 18,500 ~ 26,000 BTU/h

Refrigerant: R410A

Input Power: 1.3 ~ 2.7kW



Wall Mounted S Series



Ceiling Mounted/ Exposed E Series



Ceiling Cassette C/E Series



Ceiling Concealed C Series





Features

Space Saving

With only 1 outdoor unit that can couple up to 3 indoor units, the system maximises space utilisation and promise a nicer exterior. You will never regret with Acson Multi Split System when installtion area is a constraint.

Different Capacity Combinations

Acson multi split could cater multiple units of different size and unit. For example, A A5MSY30BR unit could couple 10,000 BTU/h Wall Mounted and 20,000 BTU/h Ceiling Cassette at the same time.

Inverter Compressor

A5MSY-BR series using inverter compressor, the benefit of inverter system now is shared across two room in one single system at a cheaper price.

Freedom of Control

Each indoor unit can be controlled separately or simultaneously without depending on other units. The unit is under your control at all time.

Wide Indoor Range

The available fan coil units are:

- Wall Mounted S Series
- Ceiling Cassette C/E Series
- Ceiling Concealed C Series
- Ceiling Mounted/Exposed E Series

Peace of Mind Service

With nationwide service points, there must be one around you to provide fast and reliable service when assistance is needed.



** Please refer to our warranty policy*

Specifications

A5MSY 20/25/30BR (Multisplit Inverter)

Model			A5MSY 20BR	A5MSY 25BR	A5MSY 30BR
Nominal Cooling Capacity (Minimum - Maximum)		BTU/h	18,500 (5,100 - 21,200)	22,000 (3,400 - 30,000)	26,000 (4,100 - 31,000)
		W	5,400 (1,500 - 6,200)	6,400 (1,000 - 8,800)	7,600 (1,200 - 9,000)
Power Source		V/Ph/Hz	220 - 240 / 1 / 50		
Refrigerant		Type	R410A		
Refrigerant Control (Expansion Device)			OUTDOOR EXV		
Piping Connection	Liquid	mm (in)	2 x 6.35 (2 x 1/4)	3 x 6.35 (3 x 1/4)	4 x 6.35 (4 x 1/4)
	Gas	mm (in)	2 x 12.70 (2 x 1/2)	9.52 (3/8) & 2 x 12.70 (2 x 1/2)	2 x 9.52 (2 x 3/8) & 2 x 12.70 (2 x 1/2)
Piping Length	Max Total Length	m	50	60	
	Max Individual Indoor	m	25		
	Max Height	m	15		
Refrigerant Charge		kg (lb)	2.00 (4.41)	2.60 (5.72)	
Sound Pressure Level		dBA	48	49	
Air Flow		l/s (CFM)	773 (1,638)	843 (1,786)	
Unit Dimension (Outdoor Unit)	Height	mm (in)	753 (29.65)		
	Width	mm (in)	940 (37.01)		
	Depth	mm (in)	392 (15.43)		
Unit Weight (Outdoor Unit)		kg (lb)	45 (99.21)	55 (121.25)	

A5MSY 20BR

Combination of Indoor Unit (1 to 2 SYS)	Each Capacity (BTU/h)		Total Capacity (BTU/h)		Total Input (W)		EER	Total Current (A)	
	A Room	B Room	Rated	Max	Rated	Max	Rated	Rated	Max
10 + 10	8,550	8,550	17,100	19,800	1,430	1,780	11.96	6.3	7.8
10 + 15	7,930	10,570	18,500	20,500	1,550	2,140	11.94	6.9	9.4
10 + 20	6,940	11,560	18,500	20,700	1,500	2,200	12.33	6.6	9.6
15 + 15	9,250	9,250	18,500	20,600	1,400	2,140	13.21	6.2	9.4
15 + 20	7,280	11,220	18,500	21,200	1,320	1,720	14.02	5.9	7.6

- All specifications are subjected to change by the manufacturer without prior notice.
- Nominal Cooling Capacity are based in the conditions below:

On Coil Condition	27 °C DB / 19 °C WB
Ambient Condition	35 °C DB / 24 °C WB

- Units are tested & comply to international standards such as ISO 5151 (Non Ducted unit) or ISO 13253 (Ducted unit).



A5MSY 25BR

Combination of Indoor Unit (1 to 2 SYS)	Each Capacity (BTU/h)			Total Capacity (BTU/h)		Total Input (W)		EER	Total Current (A)	
	A Room	B Room	C Room	Rated	Max	Rated	Max	Rated	Rated	Max
10 + 10	9,000	9,000	-	18,000	20,000	1,580	2,100	11.39	7.00	9.30
10 + 15	9,000	12,000	-	21,000	24,000	2,060	3,100	10.19	9.10	13.50
10 + 20	7,200	-	14,800	22,000	26,200	2,300	3,060	9.57	10.10	13.40
15 + 15	11,000	11,000	-	22,000	26,000	2,250	3,190	9.78	9.90	14.10
15 + 20	8,650	-	13,350	22,000	26,500	2,300	3,200	9.57	10.30	14.20
20 + 20	-	11,000	11,000	22,000	27,200	1,850	2,930	11.89	8.30	12.90
10 + 10 + 10	7,333	7,333	7,333	22,000	26,600	2,200	2,750	10.00	9.70	12.10
10 + 10 + 15	6,600	6,600	8,800	22,000	27,000	2,120	2,800	10.38	9.40	12.20
10 + 10 + 20	5,430	5,430	11,140	22,000	27,800	1,880	2,900	11.70	8.30	12.80
10 + 15 + 15	6,000	8,000	8,000	22,000	27,300	2,030	2,650	10.84	8.90	11.70
10 + 15 + 20	5,010	6,680	10,310	22,000	30,000	1,700	3,300	12.94	7.60	14.40
15 + 15 + 15	7,333	7,333	7,333	22,000	27,900	1,900	3,200	11.58	8.50	14.10

A5MSY 30BR

Combination of Indoor Unit (1 to 2 SYS)	Each Capacity (BTU/h)				Total Capacity (BTU/h)		Total Input (W)		EER	Total Current (A)	
	A Room	B Room	C Room	D Room	Rated	Max	Rated	Max	Rated	Rated	Max
10 + 10	9,000	9,000	-	-	18,000	20,000	1,580	2,100	11.39	7.00	9.30
10 + 15	9,000	12,000	-	-	21,000	24,000	2,060	3,100	10.19	9.10	13.50
10 + 20	8,500	-	17,500	-	26,000	26,200	2,750	3,060	9.45	12.10	13.40
10 + 25	7,670	-	18,330	-	26,000	26,300	2,750	3,090	9.45	12.00	13.50
15 + 15	12,000	12,000	-	-	24,000	26,000	2,650	3,190	9.06	11.70	14.10
15 + 20	10,220	-	15,780	-	26,000	26,500	2,600	3,200	10.00	11.50	14.20
15 + 25	9,310	-	16,690	-	26,000	26,600	2,740	3,230	9.49	12.00	14.30
20 + 20	-	13,000	13,000	-	26,000	27,200	2,490	2,930	10.44	11.20	12.90
10 + 10 + 10	8,667	8,667	8,667	-	26,000	26,600	2,450	2,750	10.61	10.90	12.10
10 + 10 + 15	7,800	7,800	10,400	-	26,000	27,000	2,430	2,800	10.7	10.60	12.20
10 + 10 + 20	6,410	6,410	13,180	-	26,000	27,800	2,400	2,900	10.83	10.50	12.80
10 + 15 + 15	7,080	9,460	9,460	-	26,000	27,300	2,400	2,650	10.83	10.50	11.70
10 + 15 + 20	5,920	7,900	12,180	-	26,000	30,000	2,370	3,300	10.97	10.50	14.40
15 + 15 + 15	8,667	8,667	8,667	-	26,000	27,900	2,200	3,200	11.82	9.70	14.10
10 + 10 + 10 + 10	6,500	6,500	6,500	6,500	26,000	28,500	2,200	2,950	11.82	9.80	13.00
10 + 10 + 10 + 15	6,000	6,000	6,000	8,000	26,000	31,000	2,110	2,960	12.32	9.30	13.00

1. All specifications are subjected to change by the manufacturer without prior notice.

2. Nominal Cooling Capacity are based in the conditions below:

On Coil Condition	27 °C DB / 19 °C WB
Ambient Condition	35 °C DB / 24 °C WB

3. Units are tested & comply to international standards such as ISO 5151 (Non Ducted unit) or ISO 13253 (Ducted unit).



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