



Inverter 4-Way Cassette

*Economical, energy-efficient eco-friendly
airconditioning for larger areas*



- Energy-efficient Inverter heating/cooling for larger areas
- Available in sizes from 24 000 BTU to 48 000 BTU
- Single and 3-phase models
- 75m piping length to outdoor unit/30m elevation
- Environmentally-friendly R410A gas
- Supported nationwide by Samsung Air

SAMSUNG

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With electricity prices constantly on the increase, the modern trend is towards Inverter technology. The range of Samsung Inverter 4-Way Cassettes is the quality route to airconditioning of larger upmarket domestic areas or commercial applications.



SPECIFICATIONS

Model	Indoor unit		CH070EAV1	CH090EAV	CH105EAV	CH105EAV	CH140EAV	CH140EAV
	Outdoor unit		UH070EAV1	UH090EAV	UH105EAV	UH105GAV	UH140EAV	UH140GAV
Capacity (Min./Standard/Max)	Cooling *1)	Watts	2,100/7,100/8,400	3,200/9,000/10,000	3,200/10,500/12,000	3,200/10,500/12,000	3,800/14,000/15,400	3,800/14,000/15,400
	Heating *2)	Watts	2,000/8,000/11,600	3,000/10,000/13,900	2,600/11,200/15,500	2,600/11,200/15,500	3,450/16,000/18,500	3,450/16,000/18,500
Power Input (Min./Standard/Max)	Cooling	Watts	510/2,120/2,700	750/2,800/3,200	700/3,270/3,800	700/3,270/3,800	900/4,650/5,400	900/4,650/5,400
	Heating	Watts	500/2,190/3,750	580/2,770/4,660	580/3,100/5,600	580/3,100/5,600	750/4,690/5,800	750/4,690/5,800
E.E.R	Cooling	W/W	3.35(A)	3.21(A)	3.21(A)	3.21(A)	3.01(B)	3.01(B)
	Heating	W/W	3.65(A)	3.61(A)	3.61(A)	3.61(A)	3.41(B)	3.41(B)
Running Current (Min./Standard/Max.)	Cooling	Amps	2.8/9.3/12.1	3.5/12.5/14.1	3.3/14.5/16.8	3.3/14.5/16.8	4/20.6/23.5	4/20.6/23.5
	Heating	Amps	2.6/9.6/16.9	2.8/12.2/20.6	3.6/13.7/24.3	3.6/13.7/24.3	3.6/20.8/26.5	3.6/20.8/26.5
Piping Connection	Liquid	mm (inch)	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas	mm (inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	19.05(3/4)	19.05(3/4)
Power Supply		Ø/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	3/380-415/50	1/220-240/50	3/380-415/50
INDOOR UNIT								
Model			CH070EAV1	CH090EAV	CH105EAV	CH105EAV	CH140EAV	CH140EAV
Panel			P4SMA	P4SMA	P4SMA	P4SMA	P4SMA	P4SMA
Fan Type			TURBO FAN	TURBO FAN	TURBO FAN	TURBO FAN	TURBO FAN	TURBO FAN
Air Flow Rate		m³/min	17.2	24	25.7	22.2/25.7	30	28/30
Set	Dimension (Net)	WxHxD	mm	840x218x840	840x298x840	840x298x840	840x298x840	840x298x840
	Dimension (Gross)	WxHxD	mm	926x280x925	925x360x925	925x360x925	925x360x925	925x360x925
	Weight (Net/Gross)		kg	31/35	29/35	29/35	29/35	29/35
Panel	Dimension (Net)	WxHxD	mm	950x35x950	950x35x950	950x35x950	950x35x950	950x35x950
	Dimension (Gross)	WxHxD	mm	1,042x103x1,042	1,042x103x1,042	1,042x103x1,042	1,042x103x1,042	1,042x103x1,042
	Weight (Net/Gross)		kg	7.0/10.3	7.0/10.3	7.0/10.3	7.0/10.3	7.0/10.3
Sound Pressure Level *3)	High/Low	dB(A)	36/30	39/32	40/33	40/33	45/38	45/38
Indoor Filter			DEFAULT	DEFAULT	DEFAULT	DEFAULT	DEFAULT	DEFAULT
OUTDOOR UNIT								
Model			UH070EAV1	UH090EAV	UH105EAV	UH105GAV	UH140EAV	UH140GAV
Compressor			TWIN BLDC	TWIN BLDC	TWIN BLDC	TWIN BLDC	TWIN BLDC	TWIN BLDC
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
Set	Dimension (Net)	WxHxD	mm	880x798x310	932x1,128x375	932x1,128x375	932x1,128x375	932x1,128x375
	Dimension (Gross)	WxHxD	mm	1,038x861x413	1,091x1,286x472	1,091x1,286x472	1,091x1,286x472	1,091x1,286x472
	Weight (Net/Gross)		kg	57/61	95/110	95/110	88/93	105/120
Sound Pressure Level		dB(A)	52	56	56	56	59	
Temperature Range	Cooling	°C	-15~43	-15~50	-15~50	-15~50	-15~50	
	Heating	°C	-20~24	-20~24	-20~24	-20~24	-20~24	
Quantity of Ref.		g	1,900	2,600	2,800	2,800	3,100	
Extension Length (total)		m	50	75	75	75	75	
Extension Length (elevation)		m	30	30	30	30	30	
Standard		m	5	7.5	7.5	7.5	7.5	
Additional Ref.		g/m	30	40	40	40	40	

- Nominal cooling capacities are based on: Indoor temp: 27° CDB, 19° CWB; Outdoor temp: 35° CDB, 24° CWB; Equivalent ref. piping: 7.5m. Level differences: 0m
- Nominal heating capacities are based on: Indoor temp: 20° CDB, 15° CWB; Outdoor temp: 7° CDB, 6° CWB; Equivalent ref. piping: 7.5m. Level differences: 0m.
- Sound pressure acquired in a dead room; actual noise level may differ depending on installation conditions.

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