

Samsung Inverter MSP Duct

Samsung quality and energy-efficient Inverter technology ensure economical, reliable airconditioning of large areas



- Top-quality energy-efficient Inverter Ducted heating/cooling
- Available in sizes from 24 000 BTU to 48 000 BTU
- Single and 3-phase models
- 50m to 75m piping length to outdoor unit/30m elevation
- Environmentally-friendly R410A gas
- Supported nationwide by Samsung Air

SAMSUNG

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Wherever ducted airconditioning is called for, Samsung Inverter MSP is the logical choice. Thanks to highly-efficient Inverter technology, electricity usage is kept to a minimum, while R410A gas ensures eco-friendliness. For full information, please contact Samsung Air.



SPECIFICATIONS

Model	Indoor unit		DH070EAV1	DH090EAV	DH105EAV	DH105EAV	DH140EAV	DH140EAV
	Outdoor unit		UH070EAV1	UH090EAV	UH105EAV	UH105GAV	UH140EAV	UH140GAV
Capacity (Min./Standard/Max)	Cooling *1)	Watts	2,200/7,100/8,000	3,000/9,000/10,000	3,350/10,500/12,000	3,350/10,500/12,000	3,450/14,000/15,400	3,450/14,000/15,400
	Heating *2)	Watts	1,900/8,000/11,000	3,300/9,500/13,500	2,600/11,200/15,500	2,600/11,200/15,500	3,750/16,000/18,500	3,750/16,000/18,500
Power Input (Min./Standard/Max)	Cooling	Watts	600/2,210/2,600	840/2,800/3,400	830/3,270/3,700	830/3,270/3,700	1,110/4,650/5,700	1,110/4,650/5,700
	Heating	Watts	470/2,210/3,700	760/2,780/4,790	740/3,100/5,500	740/3,100/5,500	1,020/4,430/5,800	1,020/4,430/5,800
E.E.R	Cooling	W/W	3.21(A)	3.21(A)	3.21(A)	3.21(A)	3.01(B)	3.01(B)
	Heating	W/W	3.62(A)	3.41(B)	3.61(A)	3.61(A)	3.61(A)	3.61(A)
Running Current (Min./Standard/Max.)	Cooling	Amps	2.9/10.0/12.0	3.5/12.4/15.0	3.8/14.7/16.8	3.8/14.7/16.8	5.0/20.6/23.5	5.0/20.6/23.5
	Heating	Amps	2.8/10.0/16.5	3.1/12.3/24.5	4.5/14.1/25.0	4.5/14.1/25.0	4.5/19.6/26.5	4.5/19.6/26.5
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/N/Hz	1/220-240/50	1/220-240/50	1/220-240/50	3/380-415/50	1/220-240/50
INDOOR UNIT								
Model			DH070EAV1	DH090EAV	DH105EAV	DH105EAV	DH140EAV	DH140EAV
Panel			-	-	-	-	-	-
Fan Type			SIROCCO FAN	SIROCCO FAN	SIROCCO FAN	SIROCCO FAN	SIROCCO FAN	SIROCCO FAN
Air Flow Rate			m ³ /min	19.6	24	28.1	27.5/28.1	36.8
External Static Pressure (Min./Standard/Max.)			mmAq	0/4/8	0/6/8	0/8/10	0/8/12	0/8/10
Set	Dimension (Net)	WxHxD	mm	1,150x260x480	1,150x260x480	1,150x320x480	1,150x320x480	1,200x360x650
	Dimension (Gross)	WxHxD	mm	1,390x345x575	1,390x345x575	1,396x424x584	1,396x424x584	1,447x425x769
	Weight (Net/Gross)		kg	34/40	33/40	39/46	39/46	55/60
Panel	Dimension (Net)	WxHxD	mm	-	-	-	-	-
	Dimension (Gross)	WxHxD	mm	-	-	-	-	-
	Weight (Net/Gross)		kg	-	-	-	-	-
Sound Pressure Level *3)	High/Low	dB(A)	39/35	39/35	39/35	39/35	43/38	43/38
Drain Pump Kit (Option)			MDP-M075SGU1	MDP-M075SGU1	MDP-M075SGU1	MDP-M075SGU1	MDP-M075SGU2	MDP-M075SGU2
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	1,038x861x406	1,091x1,286x472	1,091x1,286x472	1,091x1,286x472	1,091x1,286x472
	Weight (Net/Gross)		kg	57/61	102/117	102/117	102/117	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	-15~50
	Heating	°C	-20~24	-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.
- Specifications are subject to change without prior notice for product improvement.

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