



Samsung MSP Duct S

AC120 & AC140 (Non-Inverter)

- 2 models: 39 000 Btu/h & 44 000 Btu/h (cooling)
- Up to 12.9kW (cooling) and 15.83kW (heating)
- Heat Pump mode
- Compact dimensions: 250 mm high
- Air flow rates from 25 to 42 CMM
- Max. installation piping length: 50m
- Backed nationwide by Fourways Airconditioning South Africa



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A maximum piping installation length of 50 metres ensures convenient flexibility of installation for these 2 latest Samsung MSP Ducted models, while a maximum height of only 250mm allows fitment in restricted spaces. An airflow rate of up to 43 CMM provides cooling/heating for large indoor areas. Indoor units are single phase, while outdoor units are 3-phase. Designed to cool in temperatures of up to 48°C, these top-quality Samsung Ducteds are ideal for commercial or large domestic installations. Backed nationwide by Fourways Airconditioning with branches in all major metropolitan areas.



SPECIFICATIONS

Type					Duct S		Duct S			
Model Name		Indoor Unit			AC120JNMSEH		AC140JNMSEH			
		Outdoor Unit			AC120JXMSGH		AC140JXMSGH			
System	Mode				Heat Pump		Heat Pump			
	Capacity	Cooling(Std)		kW		11.43		12.90		
				Btu/h		39,000		44,000		
		Heating(Std)		kW		13.77		15.83		
				Btu/h		47,000		54,000		
	Power	Power Input	Cooling(Std)		kW		4.40		5.43	
			Heating(Std)				4.51		5.31	
		Current Input	Cooling(Std)		A		7.50		9.20	
			Heating(Std)				7.60		9.20	
		MCA		A		12.00 (MCA)		14.00 (MCA)		
		MFA		A		16.00		20.00		
	Energy Efficiency	EER (Cooling)		-		2.60		2.38		
		COP (Heating)		-		3.05		2.98		
		Liquid Pipe		Ø, mm		9.52		9.52		
				Ø, inch		3/8"		3/8"		
	Piping Connections	Gas Pipe		Ø, mm		15.88		15.88		
				Ø, inch		5/8"		5/8"		
		Installation Limitation		Max. Length		m		50		
				Max. Height		m		30		
	Refrigerant	Type		-		R410A		R410A		
		Factory Charging		kg		2.60		2.70		
	Power Supply			Ø, #, V, Hz		1,2,220-240,50		1,2,220-240,50		
Indoor Unit	Fan	Air Flow Rate		High/Mid/Low	CMM	38.00 / 32.00 / 25.00		43.00 / 3 5.00 / 27.00		
					l/s	633.33 / 533.33 / 416.67		716.67 / 583.33 / 450.00		
		External Static Pressure		Min/Std/Max	mmAq	0.00 / 5.20 / 15.00		0.00 / 5.20 / 15.00		
					Pa	0.00 / 50.96 / 147.00		0.00 / 50.96 / 147.00		
	Drain	Drain Pipe			Ø,mm	VP25 (OD 32,ID 2 5)		VP25 (OD 32,ID 25)		
	Sound	Pressure	High/Mid/Low		dB(A)	42 / 38 / 34		43 / 39 / 34		
		Net Weight			kg	32.50		32.50		
	External Dimension	Net Dimensions (WxHxD)			mm	1,200 x 250 x 700		1,200 x 250 x 700		
	Additional Acc.	Drain pump			-	MDP-G075SP		MDP-G075SP		
	Power Supply			Ø, #, V, Hz		3,4,380-415,50		3,4,380-415,50		
Outdoor Unit	Compressor	Type		-		Rotary		Rotary		
		Oil		Type		-		PO E		
	Fan	Air Flow Rate	Cooling		CMM	105		105		
					l/s	1,750		1,750		
	Sound	Pressure	Cooling/Heating		dB(A)	55 / 56		56 / 56		
	External Dimension	Net Weight			kg	96.00		97.00		
		Net Dimensions (WxHxD)			mm	932 x 1,162 x 375		932 x 1,162 x 375		
	Operating Temp. Range	Cooling			°C	21.0 ~ 48.0		21.0 ~ 48.0		
		Heating			°C	-5.0 ~ 24.0		-5.0 ~ 24.0		

* Specifications may be subject to change without prior notice.

1) Cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Refrigerant piping : 5m , Level differences : 0m

2) Heating capacities are based on; Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Refrigerant piping : 5m, Level differences : 0m

3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

Due to Samsung's policy of constant improvement, specifications are subject to change without notice. E&OE.

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