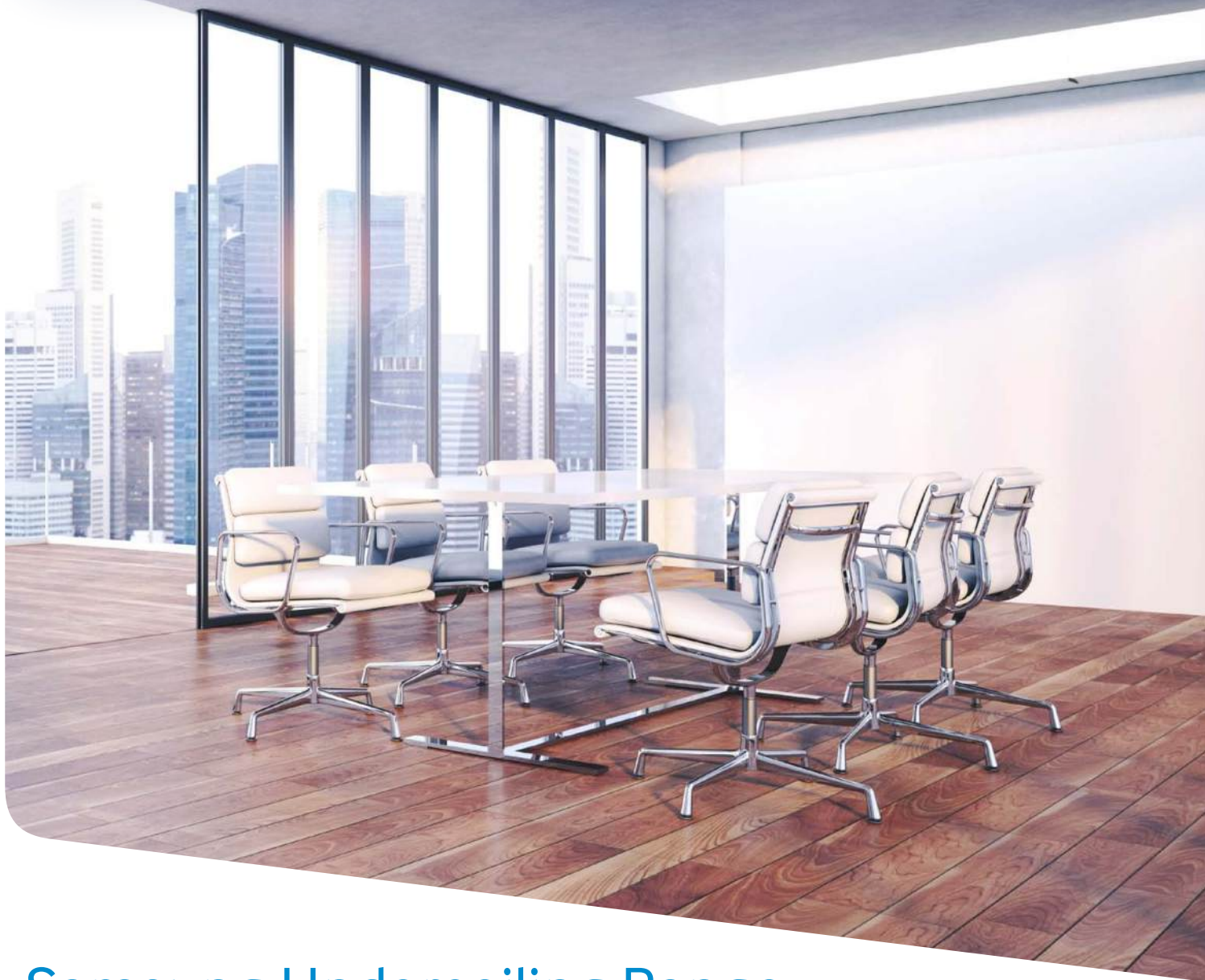


Inverter efficiency. Samsung quality



Samsung Underceiling Range

R410A Inverter



- Samsung quality with Inverter efficiency
- 4 Models: AC100 to AC160
- Max. cooling: 17.3kW/max. heating 19.00kW (AC 160 model)
- Airflow rate up to 34 CMM
- Max. piping length indoor to outdoor 75m



49m



Total Comfort

SAMSUNG

Samsung Underceiling Range - R410A Inverter

With its sleek elegant new design, the high-powered Samsung Underceiling range blends in with any décor. Inverter efficiency and an A+ Energy Grade (Cooling) ensures maximum electricity savings. Ideal for boardrooms, conference rooms, hotel lobbies and other commercial applications, an indoor-to-outdoor piping length of up to 75 metres allows for convenient placement of outdoor unit.



SPECIFICATIONS

Type				Ceiling		Ceiling		Ceiling		Ceiling			
Model Name		Indoor Unit			AC100JNCDEH/EU		AC120JNCDEH/EU		AC140JNCDEH/EU		AC160JNCDEH/EU		
		Outdoor Unit			AC100JXADGH/EU		AC120JXADGH/EU		AC140JXADGH/EU		AC160JXADGH/EU		
System	Mode			-	Heat Pump		Heat Pump		Heat Pump		Heat Pump		
	Capacity	Cooling(Min/Std/Max)		kW	2.80 / 10.00 / 12.00		3.50 / 12.00 / 13.50		4.30 / 14.00 / 15.40		4.30 / 15.00 / 17.30		
				Btu/h	9,600 / 34,100 / 40,900		11,900 / 40,900 / 46,100		14,700 / 47,800 / 52,500		14,700 / 51,200 / 59,000		
		Heating(Min/Std/Max)		kW	2.90 / 11.20 / 15.50		3.80 / 13.00 / 16.50		4.70 / 16.00 / 18.00		4.70 / 17.50 / 19.00		
				Btu/h	9,900 / 38,200 / 52,900		13,000 / 44,400 / 56,300		16,000 / 54,600 / 61,400		16,000 / 59,700 / 64,800		
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.75 / 3.45 / 5.00		0.90 / 4.70 / 5.50		0.90 / 4.65 / 5.50		0.90 / 5.28 / 6.40		
			Heating(Min/Std/Max)		0.65 / 3.15 / 5.50		0.70 / 3.75 / 5.60		0.80 / 4.43 / 5.70		0.80 / 4.86 / 6.50		
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	1.60 / 5.40 / 7.50		1.70 / 7.20 / 9.50		1.70 / 7.10 / 9.50		1.70 / 8.20 / 9.80		
			Heating(Min/Std/Max)		1.40 / 4.90 / 9.00		1.50 / 5.80 / 9.10		1.70 / 6.80 / 8.80		1.70 / 7.50 / 10.00		
		MCA		A	14.70 (MCA)		14.70 (MCA)		14.70 (MCA)		14.70 (MCA)		
		MFA		A	16.20		16.20		16.20		16.20		
	Energy Efficiency	EER (Nominal Cooling)		-	2.90		2.55		3.01		2.84		
		COP (Nominal Heating)		-	3.56		3.47		3.61		3.60		
		Energy Grade		-	Energy Grade(C) A+		Energy Grade(C) A+		-		-		
				-	Energy Grade(H) A		Energy Grade(H) A+		-		-		
	Piping Connections	Liquid Pipe		Ø, mm	9.52		9.52		9.52		9.52		
				Ø, inch	3/8"		3/8"		3/8"		3/8"		
		Gas Pipe		Ø, mm	15.88		15.88		15.88		15.88		
				Ø, inch	5/8"		5/8"		5/8"		5/8"		
		Installation Limitation	Max. Length	m	50		50		75		75		
			Max. Height	m	30		30		30		30		
	Refrigerant	Type		-	R410A		R410A		R410A		R410A		
		Factory Charging		kg	2.80		2.90		3.20		3.50		
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		1,2,220-240,50		1,2,220-240,50		
	Fan	Air Flow Rate		High/Mid/Low	CMM	26.00 / 23.00 / 19.00		30.00 / 24.00 / 20.00		34.00 / 27.00 / 23.00		37.00 / 31.00 / 26.00	
					l/s	433.33 / 383.33 / 316.67		500.00 / 400.00 / 333.33		566.67 / 450.00 / 383.33		616.67 / 516.67 / 433.33	
	Drain	Drain Pipe		Ø,mm	VP20 (OD 25,ID 20)		VP20 (OD 25,ID 20)		VP20 (OD 25,ID 20)		VP20 (OD 25,ID 20)		
	Sound	Pressure	High/Mid/Low	dB(A)	42.0 / 38.0 / 34.0		44.0 / 41.0 / 37.0		46.0 / 42.0 / 38.0		51.0 / 47.0 / 44.0		
		Power	Cooling		60.0		62.0		64.0		68.0		
	External Dimension	Net Weight		kg	42.00		42.00		42.00		42.00		
		Shipping Weight		kg	48.00		48.00		48.00		48.00		
		Net Dimensions (WxHxD)		mm	1,650 x 675 x 235		1,650 x 675 x 235		1,650 x 675 x 235		1 650 x 675 x 235		
Shipping Dimensions (WxHxD)		mm	1,739 x 758 x 321		1,739 x 758 x 321		1,739 x 758 x 321		1 739 x 758 x 321				
Outdoor Unit	Power Supply			Ø, #, V, Hz	3,4,380-415,50		3,4,380-415,50		3,4,380-415,50		3,4,380-415,50		
	Compressor	Type		-	Twin BLDC Rotary		Twin BLDC Rotary		Twin BLDC Rotary		Twin BLDC Rotary		
		Output		kW	2.82		4.12		4.12		4.01		
		Oil	Type	-	POE		POE		POE		POE		
	Fan	Air Flow Rate	Cooling	CMM	68.00		70.00		100.00		115.00		
				l/s	1,133.33		1,166.67		1,666.67		1,916.67		
	Sound	Pressure	Cooling/Heating	dB(A)	52.0 / 54.0		54.0 / 56.0		53.0 / 54.0		56.0 / 58.0		
		Power	Cooling		69.0		70.0		70.0		73.0		
	External Dimension	Net Weight		kg	72.00		79.00		90.00		96.00		
		Shipping Weight		kg	76.00		84.00		100.00		106.00		
		Net Dimensions (WxHxD)		mm	940 x 998 x 330		940 x 998 x 330		940 x 1,210 x 330		940 x 1,420 x 330		
		Shipping Dimensions (WxHxD)		m ^m	995 x 1,096 x 426		995 x 1,096 x 426		995 x 1,388 x 426		995 x 1,598 x 426		
	Operating Temp. Range	Cooling		°C	-15.0 ~ 50.0		-15.0 ~ 50.0		-15.0 ~ 50.0		-15.0 ~ 50.0		
		Heating		°C	-20.0 ~ 24.0		-20.0 ~ 24.0		-20.0 ~ 24.0		-20.0 ~ 24.0		

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

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