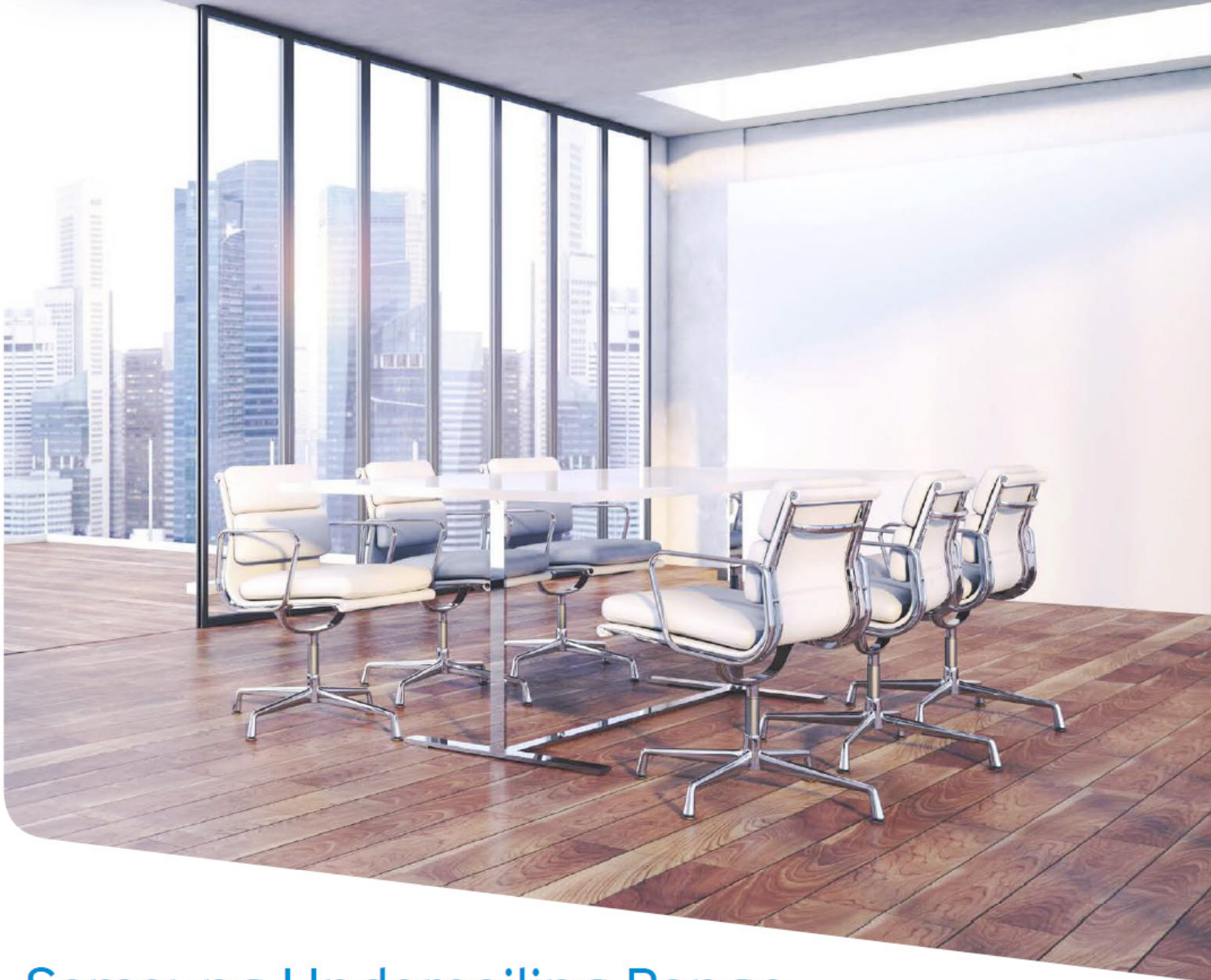


Inverter efficiency. Samsung quality



## 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
- Backed nationwide by Aircon Experts with warehouses in all metropolitan areas



49m

 AIRCON EXPERTS  
(PTY) LTD.

**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. As with all Samsung airconditioners, the new Underceiling range is Backed nationwide by Aircon Experts with warehouses in all metropolitan areas.



## 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)	kW	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)	A	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	
			Cooling		60,0		62,0		64,0		-	
	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 235 x 675						
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 321 x 758						
Outdoor Unit	Power Supply		Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	1,2,220-240,50					
	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	
			Cooling		69,0		70,0		70,0		-	
	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 <sup>m</sup>	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.

# SAMSUNG

Sales (Air-Conditioners ONLY!) – [sales@airconexperts.co.za](mailto:sales@airconexperts.co.za)  
 Quotations (Air-Conditioners WITH Installations – Gauteng Only!) – [quotes@airconexperts.co.za](mailto:quotes@airconexperts.co.za)

 AIRCON EXPERTS  
(PTY) LTD.

[www.airconexperts.co.za](http://www.airconexperts.co.za)