



NEW! Samsung 4-Way Wind-Free Inverter Cassette

AC052 · AC071 · AC090 · AC100

- Smart Inverter technology for fast economical heating/cooling
- 15 000 micro-holes ensure a gentle dispersed airflow with no draughts
- Up to 50% less energy usage compared to non-inverter units
- Cools in outdoor heat of up to 50°C and warms in temperatures of -20°C
- Samsung reliability – backed by the nationwide support of Fourways Airconditioning South Africa



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AIRCONDITIONING

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ACO52 · ACO71 · ACO90 · AC100

Once again, Samsung's advanced technology creates a revolution in room airconditioning with Wind-Free Cassettes. Now, instead of users having to endure unpleasant draughts, 15 000 micro-holes ensure a gentle, dispersed flow of air – defined by ASRAE as 'Still Air', having a wind velocity of less than 0.15 m/sec. Yet Wind-Free Cassettes also deliver powerful, fast cooling/heating along with minimal energy consumption thanks to Samsung's Smart Inverter technology. The result is the best of both worlds for customers who demand the ultimate in climate control. As with all Samsung airconditioners, Wind-Free Cassettes are backed by 9 Fourways Airconditioning South Africa branches nationwide.



SPECIFICATIONS

Type				Wind-Free 4Way Cassette	Wind-Free 4Way Cassette	Wind-Free 4Way Cassette	Wind-Free 4Way Cassette	
System	Model Name	Indoor Unit		ACO52NN4DEH	AC071NN4DEH	AC090NN4DEH	AC100NN4DEH	
		Outdoor Unit		ACO52JX4DEH	AC071JX4DEH	AC090JX4DEH	AC100JX4DGH	
	Mode			-	Heat Pump	Heat Pump	Heat Pump	
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.47 / 4.98 / 5.28	2.08 / 7.18 / 7.77	2.93 / 8.79 / 9.96	3.22 / 10.26 / 10.99
				Btu/h	5,000 / 17,000 / 18,000	7,100 / 24,500 / 26,500	10,000 / 30,000 / 34,000	11,000 / 35,000 / 37,500
			Heating	kW	0.73 / 4.98 / 6.45	1.44 / 7.18 / 8.03	1.29 / 9.23 / 10.26	2.17 / 10.26 / 11.58
				Btu/h	2,500 / 17,000 / 22,000	4,900 / 24,500 / 27,400	4,400 / 31,500 / 35,000	7,400 / 35,000 / 39,500
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.35 / 1.60 / 1.70	0.38 / 2.60 / 3.00	0.87 / 2.80 / 4.50	0.70 / 3.55 / 4.80
			Heating	kW	0.26 / 1.23 / 2.20	0.27 / 2.07 / 2.90	0.60 / 2.45 / 4.10	0.45 / 2.75 / 4.26
		Current Input (Min/Std/Max)	Cooling	A	2.20 / 7.20 / 8.00	2.30 / 11.00 / 13.00	4.70 / 12.50 / 20.00	2.00 / 5.70 / 9.10
			Heating	A	1.60 / 5.70 / 9.00	1.70 / 9.00 / 12.60	3.50 / 11.00 / 18.00	1.50 / 4.50 / 7.90
	Efficiency	EER	Cooling	-	3.11	2.76	3.14	2.89
		COP	Heating	-	4.05	3.47	3.77	3.73
	Piping Connections	Liquid Pipe		Ø, mm (inch)	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")
		Gas Pipe		Ø, mm (inch)	12.70 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
		Piping length (ODU-IDU)	Standard	m	5	5	5	5
			Max.	m	30	30	50	50
	Elevation		m	15	15	30	30	
	Refrigerant	Type		-	R410A	R410A	R410A	R410A
		Factory Charging		kg	1.10	1.30	2.50	2.50
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	H/M/L	m ³ /min	18.00 / 15.00 / 13.00	21.00 / 18.00 / 16.00	29.00 / 24.00 / 19.00	33.00 / 26.00 / 19.00
				l/s	300.00 / 250.00 / 216.67	350.00 / 300.00 / 266.67	483.33 / 400.00 / 316.67	550.00 / 433.33 / 316.67
	Drain	Drain Pipe		Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
	Sound	Sound Pressure Level	H/M/L / (Silent)	dB(A)	37 / 34 / 31	43 / 40 / 37	42 / 38 / 33	43 / 38 / 33
	External Dimension	Net Weight		kg	15.0	15.0	18.5	18.5
		Net Dimensions (WxHxD)		mm	840 x 204 x 840	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840
	Panel	Net Weight		kg	6.3	6.3	6.3	6.3
Net Dimensions (WxHxD)		mm	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950		
Drain Pump	Max. lifting Height / Displacement		mm / Liter/h	750/24	750/24	750/24	750/24	
Outdoor 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	
	Compressor	Oil	Type	-	POE	POE	PVE	
			Initial charge	cc	500	650	1200	
	Sound	Sound Pressure Level	Cooling	dB(A)	47	49	54	
			Heating	dB(A)	48	51	56	
	External Dimension	Net Weight		kg	36.0	45.0	67.0	
		Net Dimensions (WxHxD)		mm	790 x 548 x 285	880 x 638 x 310	880 x 967 x 320	
Operating Temp. Range	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0		
	Heating		°C	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0		

* Specifications may be subject to change without prior notice.

1) Nominal cooling capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level differences : 0m

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

4) These products contain R410A which is fluorinated greenhouse gas.

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

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AIRCONDITIONING

Gauteng: (011) 704-6320
Pretoria: (012) 643-0445
Bloemfontein: 083 381 0074
George: 082 380 0708

Cape Town: (021) 556-8292
KZN: (031) 579-1895
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