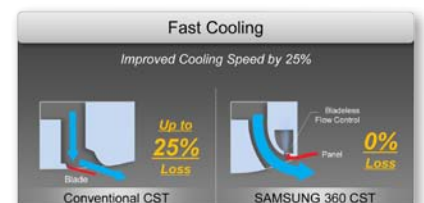


The beautiful solution to draught-free climate control



Samsung 360 Cassette range (3-phase outdoor unit)



- 360° heating/cooling eliminates draughts
- Aesthetic design complements modern décor
- Three 3-phase models: AC 100, 120 and 140
- Air volume increased by 25%
- 'Coanda Effect' ensures horizontal even airflow
- Backed nationwide by Fourways Airconditioning South Africa



49m



fourways
AIRCONDITIONING

SAMSUNG

Samsung 360 Cassette range (3-phase outdoor unit)

(AC 100, 120 and 140)

Samsung introduces a revolutionary new concept: a round Cassette. Not only does it look beautiful, but it also eliminates one of the main problems of a square ceiling cassette: direct draughts. Due to a phenomenon known as the 'Coanda Effect' (whereby a flow of air attaches itself to the curve of a nearby surface – then retains this direction even when the airflow leaves the airconditioner), the new Samsung 360 Cassette directs airflow 360° horizontally and evenly. This not only means no direct draughts but also 25% greater airflow due to there being no blade to obstruct air. Samsung 360 3-phase Cassettes: backed nationwide by Fourways Airconditioning.



SPECIFICATIONS

Type				360 Cassette	360 Cassette	360 Cassette		
Model Name		Indoor Unit		AC100KN4DKH/EU	AC120KN4DKH/EU	AC140KN4DKH/EU		
		Outdoor Unit		AC100KX4DNH/EU	AC120KX4DNH/EU	AC140KX4DNH/EU		
System	Mode		-	Heat Pump	Heat Pump	Heat Pump		
	Capacity		Cooling(Min/Std/Max)		kW 3.00 / 10.00 / 12.00	3.50 / 12.00 / 13.50	3.50 / 13.40 / 15.50	
			Heating(Min/Std/Max)		Btu/h 10,200 / 34,100 / 40,900	11,900 / 40,900 / 46,100	11,900 / 45,700 / 52,900	
					kW 2.20 / 11.20 / 15.50	3.50 / 13.00 / 15.50	3.50 / 15.50 / 18.00	
	Power		Power Input (Nominal)		Cooling(Min/Std/Max) kW 0.60 / 3.40 / 4.70	0.90 / 4.70 / 7.90	0.80 / 4.18 / 7.90	
			Heating(Min/Std/Max)		0.46 / 3.15 / 5.40	0.75 / 4.00 / 7.90	0.70 / 4.30 / 7.90	
			Current Input (Nominal)		Cooling(Min/Std/Max) A 1.50 / 5.30 / 7.10	2.10 / 7.10 / 12.00	2.10 / 6.60 / 12.00	
			Heating(Min/Std/Max)		1.20 / 4.90 / 8.40	2.10 / 6.10 / 12.00	1.90 / 6.80 / 12.00	
	MCA		MCA		17.60 (MCA)	17.60 (MCA)	17.60 (MCA)	
			MFA		A 17.60	A 17.60	A 17.60	
	Energy Efficiency		EER (Nominal Cooling)		- 2.94	- 2.55	- 3.21	
			COP (Nominal Heating)		- 3.56	- 3.25	- 3.60	
			Energy Grade		- SEER 6.8 (A++)	- SEER 5.7 (A+)	- SCOP 4.1 (A+)	
	Piping Connections		Liquid Pipe		Ø, mm 9.52	9.52	9.52	
					Ø, inch 3/8"	3/8"	3/8"	
			Gas Pipe		Ø, mm 15.88	15.88	15.88	
					Ø, inch 5/8"	5/8"	5/8"	
			Installation Limitation		Max. Length m 50 (55)	50 (55)	75 (75)	
	Max. Height m 30 (30)		30 (30)	30 (30)	30 (30)			
	Field Wiring		Power Source Wire		Ø, mm 2.50	2.50	2.50	
Transmission Cable			Ø, mm 0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50			
Refrigerant		Type		- R410A	R410A	R410A		
		Control Method		- EEV	EEV	EEV		
		Factory Charging		kg 3.00	3.00	3.50		
Indoor Unit		Power Supply		Ø, #, V, Hz 1,2,220-240,50	1,2,220-240,50	1,2,220-240,50		
		Fan		Type		- Turbo Fan	Turbo Fan	Turbo Fan
				Motor		Output W 97	97	97
				Air Flow Rate		High/Mid/Low CMM 31.20 / 25.50 / 19.80	32.50 / 25.50 / 19.80	32.40 / 27.10 / 22.80
		Drain		Drain Pipe		Ø,mm VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
		Sound		Pressure		High/Mid/Low 44 / 39 / 33	45 / 40 / 35	45 / 41 / 37
				Power		Cooling dB(A) 61	61	61
		External Dimension		Net Weight		kg 24.00	24.00	25.50
				Shipping Weight		kg 29.00	29.00	30.00
				Net Dimensions (WxHxD)		mm 947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
				Shipping Dimensions (WxHxD)		mm 990 x 414 x 990	990 x 414 x 990	990 x 414 x 990
		Panel Size		Panel model		- PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
				Panel Net Weight		kg 3.60	3.60	3.60
				Shipping Weight		kg 6.00	6.00	6.00
				Net Dimensions (WxHxD)		mm 1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000
Shipping Dimensions (WxHxD)		mm 1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083				
Outdoor Unit		Power Supply		Ø, #, V, Hz 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
				Model		- UG8T300FUCJU	UG5T450FUFJX	UG5T450FUFJX
				Output		kW 2.82	4.12	4.12
		Fan		Oil		Type - PVE	PVE	PVE
				Air Flow Rate		Cooling CMM 78.00	78.00	111.00
		Sound		Pressure		Cooling/Heating dB(A) 52 / 54	54 / 56	53 / 54
		Power		Cooling		69	70	69
		External Dimension		Net Weight		kg 72.00	80.00	92.50
				Shipping Weight		kg 77.00	85.00	102.50
				Net Dimensions (WxHxD)		mm 940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330
				Shipping Dimensions (WxHxD)		mm 995 x 1,096 x 426	995 x 1,096 x 426	995 x 1,338 x 426
		Operating Temp. Range		Cooling		°C -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

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