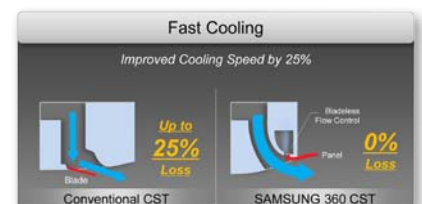


The beautiful solution to draught-free climate control



Samsung 360 Cassette range (single-phase)



- 360° heating/cooling eliminates draughts
- Aesthetic design complements modern décor
- 5 single-phase models: AC 71 to AC 140
- Air volume increased by 25%
- 'Coanda Effect' ensures horizontal even airflow
- Backed nationwide by Fourways Airconditioning South Africa

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Samsung 360 Cassette range (single-phase)

(AC71 to AC140)

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 Cassettes: backed nationwide by Fourways Airconditioning.



SPECIFICATIONS

Type				360 Cassette	360 Cassette	360 Cassette	360 Cassette	360 Cassette		
Model Name	Indoor Unit			AC071KN4DKH/EU	AC090KN4DKH/EU	AC100KN4DKH/EU	AC120KN4DKH/EU	AC140KN4DKH/EU		
	Outdoor Unit			AC071KX4DKH/EU	AC090KX4DKH/EU	AC100KX4DKH/EU	AC120KX4DKH/EU	AC140KX4DKH/EU		
System	Mode			-	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	
		Capacity	Cooling(Min/Std/Max)		kW	2.20 / 7.10 / 8.00	3.00 / 9.00 / 11.30	3.00 / 10.00 / 12.00	3.50 / 12.00 / 13.50	3.50 / 13.40 / 15.50
			Btu/h	7,500 / 24,200 / 27,300	10,200 / 30,700 / 38,600	10,200 / 34,110 / 40,900	11,900 / 40,900 / 46,100	11,900 / 52,900 / 61,400		
	Heating(Min/Std/Max)		kW	1.90 / 8.00 / 9.00	2.20 / 10.00 / 13.90	2.20 / 11.20 / 15.50	3.50 / 13.00 / 15.50	3.50 / 15.50 / 18.00		
			Btu/h	6,500 / 27,300 / 30,700	7,500 / 34,100 / 47,400	7,500 / 38,207 / 52,900	11,900 / 44,400 / 52,900	11,900 / 45,700 / 61,400		
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.35 / 2.49 / 3.95	0.60 / 2.82 / 4.46	0.60 / 3.40 / 4.70	0.90 / 4.70 / 5.30	0.80 / 4.18 / 6.44	
			Heating(Min/Std/Max)		0.35 / 2.40 / 3.95	0.46 / 2.65 / 5.20	0.46 / 3.15 / 5.40	0.75 / 4.00 / 5.50	0.70 / 4.30 / 7.36	
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	2.00 / 11.10 / 17.00	3.00 / 12.70 / 19.40	3.00 / 15.10 / 20.40	4.30 / 20.50 / 23.00	3.70 / 18.20 / 28.00	
			Heating(Min/Std/Max)		2.00 / 10.70 / 17.00	2.50 / 12.50 / 22.70	2.50 / 14.60 / 23.00	3.70 / 17.70 / 24.00	3.50 / 18.70 / 32.00	
		MCA	A	21.50 (MCA)	24.50 (MCA)	24.50 (MCA)	26.50 (MCA)	33.50 (MCA)		
		MFA	A	23.65	26.95	26.95	29.15	36.85		
	Energy Efficiency	EER (Nominal Cooling)		-	2.85	3.19	2.94	2.55	3.21	
		COP (Nominal Heating)		-	3.33	3.77	3.56	3.25	3.60	
		Energy Grade		-	SEER 6.2 (A++)	SEER 6.8 (A++)	SEER 6.8 (A++)	SEER 5.7 (A+)	-	
				-	SCOP 4.1 (A+)	SCOP 4.3 (A+)	SCOP 4.3 (A+)	SCOP 4.1 (A+)	-	
	Piping Connections	Liquid Pipe		Ø, mm	6.35	9.52	9.52	9.52	9.52	
				Ø, inch	1/4"	3/8"	3/8"	3/8"	3/8"	
		Gas Pipe		Ø, mm	15.88	15.88	15.88	15.88	15.88	
				Ø, inch	5/8"	5/8"	5/8"	5/8"	5/8"	
		Installation Limitation	Max. Length	m	50 (55)	50 (55)	50 (55)	50 (55)	75 (75)	
			Max. Height	m	30 (30)	30 (30)	30 (30)	30 (30)	30 (30)	
	Field Wiring	Power Source Wire		Ø, mm	2.50	2.50	2.50	2.50	2.50	
		Transmission Cable		Ø, mm	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A		
	Control Method		-	EEV	EEV	EEV	EEV	EEV		
	Factory Charging		kg	1.50	3.00	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	1,2,220-240,50	1,2,220-240,50		
	Type		-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan		
	Fan	Motor	Output	W	65	97	97	97	97	
		Air Flow Rate	High/Mid/Low	CMM	17.50 / 15.90 / 14.30	30.10 / 24.40 / 19.80	31.20 / 25.50 / 19.80	32.50 / 25.50 / 19.80	32.40 / 27.10 / 22.80	
				l/s	291.67 / 265.00 / 238.33	501.67 / 406.67 / 330.00	520.00 / 425.00 / 330.00	541.67 / 425.00 / 330.00	540.00 / 451.67 / 380.00	
	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)	VP25 (OD 32, ID 25)	
	Sound	Pressure	High/Mid/Low		36 / 33 / 29	43 / 38 / 33	44 / 39 / 33	45 / 40 / 35	45 / 41 / 37	
		Power	Cooling	dB(A)	53	60	61	61	61	
	External Dimension	Net Weight		kg	21.00	24.00	24.00	24.00	25.50	
		Shipping Weight		kg	25.00	29.00	29.00	29.00	30.00	
		Net Dimensions (WxHxD)		mm	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947	
		Shipping Dimensions (WxHxD)		mm	990 x 330 x 990	990 x 414 x 990	90 x 414 x 990	990 x 414 x 990	990 x 414 x 990	
	Panel Size	Panel model		-	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	
		Panel Net Weight		kg	3.60	3.60	3.60	3.60	3.60	
		Shipping Weight		kg	6.00	6.00	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	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	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	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50	
		Type		-	BLDC Rotary	BLDC Rotary	BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	
		Compressor	Model		-	UG4T200FUAE4	UG8T300FUBJU	UG8T300FUBJU	UG5T450FUEJX	UG5T450FUEJX
			Output		kW	1.79	2.82	2.82	4.12	4.12
			Oil	Type	-	POE	PVE	PVE	PVE	PVE
				CMM	58.50	78.00	78.00	78.00	111.00	
Fan		Air Flow Rate	Cooling	l/s	975.00	1,300.00	1,300.00	1,300.00	1,850.00	
		Pressure	Cooling/Heating	dB(A)	49 / 51	52 / 53	52 / 54	54 / 56	53 / 54	
Sound		Power	Cooling		65	68	69	70	69	
				kg	50.50	72.00	72.00	80.00	92.50	
External Dimension		Shipping Weight		kg	55.00	77.00	77.00	85.00	102.50	
		Net Dimensions (WxHxD)		mm	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330	
		Shipping Dimensions (WxHxD)		mm	1,023 x 891 x 413	995 x 1,096 x 426	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	-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	-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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