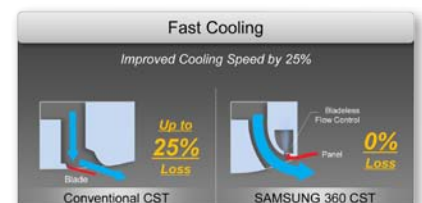


The beautiful solution to draught-free climate control



Samsung 360 Cassette range (Single phase outdoor unit)



- 360° heating/cooling eliminates draughts
- Aesthetic design complements modern décor
- Three 1-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



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Samsung 360 Cassette range (1-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 single-phase Cassettes: backed nationwide by Fourways Airconditioning.

SPECIFICATIONS

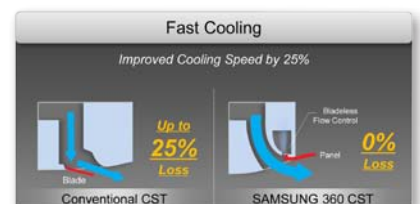
Type				360 Cassette	360 Cassette	360 Cassette	
Model Name		Indoor Unit		AC100KN4DKH/EU	AC120KN4DKH/EU	AC140KN4DKH/EU	
		Outdoor Unit		AC100KX4DKH/EU	AC120KX4DKH/EU	AC140KX4DKH/EU	
System	Mode		-	Heat Pump	Heat Pump	Heat Pump	
	Capacity	Cooling(Min/Std/Max)		kW	3.00 / 10.00 / 12.00	3.50 / 12.00 / 13.50	3.50 / 13.40 / 15.50
				Btu/h	10,200 / 34,100 / 40,900	11,900 / 40,900 / 46,100	11,900 / 45,700 / 52,900
		Heating(Min/Std/Max)		kW	2.20 / 11.20 / 15.50	3.50 / 13.00 / 15.50	3.50 / 15.50 / 18.00
			Btu/h	7,500 / 38,200 / 52,900	11,900 / 44,400 / 52,900	11,900 / 52,900 / 61,400	
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.60 / 3.40 / 4.70	0.90 / 4.70 / 5.30	0.80 / 4.18 / 6.44
			Heating(Min/Std/Max)	kW	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	3.00 / 15.10 / 20.40	4.30 / 20.50 / 23.00	3.70 / 18.20 / 28.00
			Heating(Min/Std/Max)	A	2.50 / 14.60 / 23.00	3.70 / 17.70 / 24.00	3.50 / 18.70 / 32.00
	MCA		A	24.50 (MCA)	26.50 (MCA)	33.50 (MCA)	
	MFA		A	26.95	29.15	36.85	
	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 4.3 (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)		
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	
		Motor	Output		W	97	97
			Air Flow Rate		High/Mid/Low	CMM	31.20 / 25.50 / 19.80
				l/s	520.00 / 425.00 / 330.00	541.67 / 425.00 / 330.00	
	Drain		Drain Pipe		Ø,mm	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
	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	
Outdoor Unit	Power Supply		Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50	
	Compressor	Type		-	BLDC Rotary	Twin BLDC Rotary	
		Model		-	UG8T300FUBJU	UG5T450FUEJX	
		Output		kW	2.82	4.12	4.12
	Oil	Type		-	PVE	PVE	
		Air Flow Rate		CMM	78.00	78.00	111.00
				l/s	1,300.00	1,300.00	
	Sound	Pressure	Cooling/Heating	dB(A)	52 / 54	54 / 56	53 / 54
		Power	Cooling	dB(A)	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.

The beautiful solution to draught-free climate control



Samsung 360 Cassette range (single-phase)



- 360° heating/cooling eliminates draughts
- Aesthetic design complements modern décor
- 2 single-phase models: AC 71 and AC 90
- Air volume increased by 25%
- 'Coanda Effect' ensures horizontal even airflow
- Backed nationwide by Fourways Airconditioning South Africa



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AIRCONDITIONING

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Samsung 360 Cassette range (single-phase)

(AC 71 and AC 90)

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		
Model Name	Indoor Unit			AC071KN4DKH/EU	AC090KN4DKH/EU		
	Outdoor Unit			AC071KX4DKH/EU	AC090KX4DKH/EU		
System	Mode				Heat Pump	Heat Pump	
	Capacity	Cooling(Min/Std/Max)		-	2.20 / 7.10 / 8.00	3.00 / 9.00 / 11.30	
				kW	7,500 / 24,200 / 27,300	10,200 / 30,700 / 38,600	
		Heating(Min/Std/Max)		kW	1.90 / 8.00 / 9.00	2.20 / 10.00 / 13.90	
				Btu/h	6,500 / 27,300 / 30,700	7,500 / 34,100 / 47,400	
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)	kW	0.35 / 2.49 / 3.95	0.60 / 2.82 / 4.46	
			Heating(Min/Std/Max)	kW	0.35 / 2.40 / 3.95	0.46 / 2.65 / 5.20	
		Current Input (Nominal)	Cooling(Min/Std/Max)	A	2.00 / 11.10 / 17.00	3.00 / 12.70 / 19.40	
			Heating(Min/Std/Max)	A	2.00 / 10.70 / 17.00	2.50 / 12.50 / 22.70	
		MCA		A	21.50 (MCA)	24.50 (MCA)	
		MFA		A	23.65	26.95	
	Energy Efficiency	EER (Nominal Cooling)		-	2.85	3.19	
		COP (Nominal Heating)		-	3.33	3.77	
		Energy Grade		-	SEER 6.2 (A++)	SEER 6.8 (A++)	
				-	SCOP 4.1 (A+)	SCOP 4.3 (A+)	
	Piping Connections	Liquid Pipe		Ø, mm	6.35	9.52	
				Ø, inch	1/4"	3/8"	
		Gas Pipe		Ø, mm	15.88	15.88	
				Ø, inch	5/8"	5/8"	
		Installation Limitation	Max. Length	m	50 (55)	50 (55)	
Max. Height			m	30 (30)	30 (30)		
Field Wiring	Power Source Wire		Ø, mm	2.50	2.50		
	Transmission Cable		Ø, mm	0.75 ~ 1.50	0.75 ~ 1.50		
Refrigerant	Type		-	R410A	R410A		
	Control Method		-	EEV	EEV		
	Factory Charging		kg	1.50	3.00		
Indoor Unit	Power Supply		Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50		
	Fan	Type		-	Turbo Fan	Turbo Fan	
		Motor	Output		W	65	97
			Air Flow Rate		High/Mid/Low	CMM	17.50 / 15.90 / 14.30
				l/s	291.67 / 265.00 / 238.33	501.67 / 406.67 / 330.00	
	Drain	Drain Pipe		Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
	Sound	Pressure	High/Mid/Low		36 / 33 / 29	43 / 38 / 33	
		Power	Cooling	dB(A)	53	60	
	External Dimension	Net Weight		kg	21.00	24.00	
		Shipping Weight		kg	25.00	29.00	
		Net Dimensions (WxHxD)		mm	947 x 281 x 947	947 x 365 x 947	
		Shipping Dimensions (WxHxD)		mm	990 x 330 x 990	990 x 414 x 990	
	Panel Size	Panel model		-	PC4NUDMAN	PC4NUDMAN	
		Panel Net Weight		kg	3.60	3.60	
		Shipping Weight		kg	6.00	6.00	
		Net Dimensions (WxHxD)		mm	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	
Outdoor Unit	Power Supply		Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50		
	Compressor	Type		-	BLDC Rotary	BLDC Rotary	
		Model		-	UG4T200FUAE4	UG8T300FUBJU	
		Output		kW	1.79	2.82	
	Fan	Oil	Type	-	POE	PVE	
			Air Flow Rate	Cooling	CMM	58.50	78.00
				l/s	975.00	1,300.00	
	Sound	Pressure	Cooling/Heating	dB(A)	49 / 51	52 / 53	
		Power	Cooling	dB(A)	65	68	
	External Dimension	Net Weight		kg	50.50	72.00	
		Shipping Weight		kg	55.00	77.00	
		Net Dimensions (WxHxD)		mm	880 x 798 x 310	940 x 998 x 330	
		Shipping Dimensions (WxHxD)		mm	1,023 x 891 x 413	995 x 1,096 x 426	
	Operating Temp. Range	Cooling		°C	-15.0 ~ 50.0	-15.0 ~ 50.0	
		Heating		°C	-20.0 ~ 24.0	-20.0 ~ 24.0	

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