



**SAMSUNG**

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360 Cassette

Brochure



### All-round cooling and comfort

The Samsung 360 Cassette air-conditioner offers a brand new way of comfortably cooling every corner of your room. Its innovative circular design not only fits everywhere perfectly and adds an air of sophistication, it also blows cool air in all directions so that the whole room maintains the same temperature\*. Its bladeless outlet ensures that cool air is gently dispersed without creating a cold draft\*\* or blocking airflow, even at low angles, and spreading it farther by expelling 25% more air\*.

### EVENLY CIRCULATES & COOLS EVERY CORNER

Unlike general 4-way cassette-type air-conditioners that create areas of uneven airflow where cool air can't reach\*, the Samsung 360 Cassette air-conditioner has a circular outlet that blows cool air in all directions so the same temperature\*\* is maintained in every corner of the room.

\* Samsung testing compared to a general 4-way cassette-type air-conditioner.

\*\* Within a 9.3m radius, the temperature difference is less than 0.6°C.



### Comfortably cool, not cold

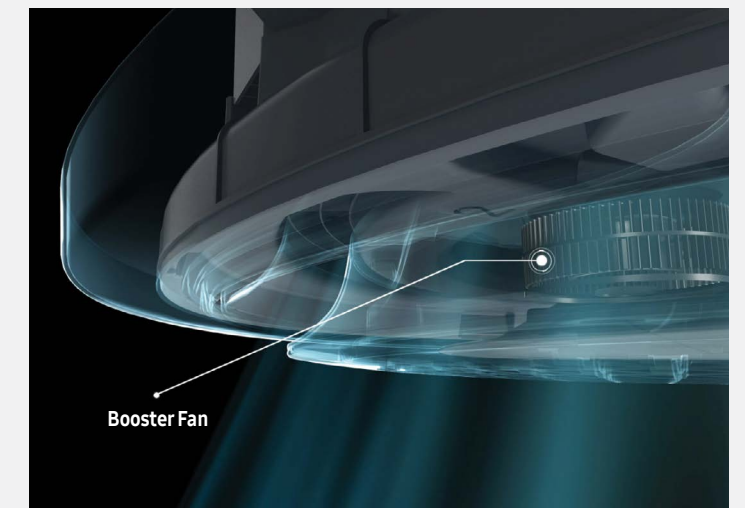
A bladeless design softly disperses cool air across the room so you feel comfortably cool without experiencing a cold draft\*\*. With no blades to block the air flow, it expels 25% more air\* and spreads it farther.

### MORE AIR SPREAD IN MORE WAYS

An innovative Booster Fan enables cool air to be expelled at much lower angles. It creates a low-pressure area around the outlet so that cool air comes out parallel to the ceiling and is dispersed across a wider area.



\* Within a 5m radius, no cold draft between 0-1.5m in height (with 14.0kW).



# SPECIFICATIONS

360 Casette					
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)		kW	2.20/7.10/8.00	
			Btu/h	7,500/24,200/27,300	
	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)		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)		2.00/10.70/17.00	2.50/12.50/22.70
	MCA		A	21.50	24.50
	MFA		A	23.65	26.95
Energy Efficiency	EER (Nominal Cooling)		-	9.72	10.88
	COP (Nominal Heating)		-	3.33	3.77
Piping Connections	Liquid Pipe		Ø, mm	6.35	9.52
			Ø, inch	1/4"	3/8"
		Gas Pipe		Ø, mm	15.88
			Ø, inch	5/8"	5/8"
	Installation Limitation		Max. Length	m	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
	Airflow Rate	High/Mid/Low	CFM	618/562/505	1063/862/699
			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	dB (A)	36/33/29	43/38/33
	Power	Cooling		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
	Oil	Type	-	POE	PVE
Fan	Airflow Rate	Cooling	CFM	2065	2754
			l/s	975.00	1,300.00
Sound	Pressure	Cooling/Heating	dB (A)	49/51	52/53
	Power	Cooling		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

# SPECIFICATIONS

360 Casette					
Model Name	Indoor Unit		AC100KN4DKH/EU	AC100KN4DKH/EU	
	Outdoor Unit		AC100KX4DNH/EU	AC100KX4DKH/EU	
System					
Mode			Heat Pump	Heat Pump	
Capacity	Cooling (Min/Std/Max)		kW	3.00/10.00/12.00	3.00/10.00/12.00
			Btu/h	10,200/34,100/40,900	10,200/34,100/40,900
	Heating (Min/Std/Max)		kW	2.20/11.20/15.50	2.20/11.20/15.50
		Btu/h	7,500/38,200/52,900	7,500/38,200/52,900	
Power	Power Input (Nominal)	Cooling (Min/Std/Max)	kW	0.60/3.40/4.70	0.60/3.40/4.70
		Heating (Min/Std/Max)		0.46/3.15/5.40	0.46/3.15/5.40
	Current Input (Nominal)	Cooling (Min/Std/Max)	A	1.50/5.30/7.10	3.00/15.10/20.40
		Heating (Min/Std/Max)		1.20/4.90/8.40	2.50/14.60/23.00
	MCA		A	17.60	24.50
	MFA		A	17.60	26.95
Energy Efficiency	EER (Nominal Cooling)		-	10.03	10.03
	COP (Nominal Heating)		-	3.56	3.56
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52
			Ø, inch	3/8"	3/8"
		Gas Pipe		Ø, mm	15.88
			Ø, inch	5/8"	5/8"
	Installation Limitation		Max. Length	m	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	3.00	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	97	97
	Airflow Rate	High/Mid/Low	CFM	1101/900/699	1101/900/699
			l/s	520.00/425.00/330.00	520.00/425.00/330.00
Drain	Drain Pipe		Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Pressure	High/Mid/Low	dB (A)	44/39/33	44/39/33
	Power	Cooling		61	61
External Dimension	Net Weight		kg	24.00	24.00
	Shipping Weight		kg	29.00	29.00
	Net Dimensions (WxHxD)		mm	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
	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	3, 4, 380-415, 50	1, 2, 220-240, 50
Compressor	Type		-	Twin BLDC Rotary	BLDC Rotary
	Model		-	UG8T300FUCJU	UG8T300FUBJU
	Output		kW	2.82	2.82
	Oil	Type	-	PVE	PVE
Fan	Airflow Rate	Cooling	CFM	2754	2754
			l/s	1,300.00	1,300.00
Sound	Pressure	Cooling/Heating	dB (A)	52/54	52/54
	Power	Cooling		69	69
External Dimension	Net Weight		kg	72.00	72.00
	Shipping Weight		kg	77.00	77.00
	Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330
	Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	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

# SPECIFICATIONS

360 Casette				
Model Name	Indoor Unit		AC120KN4DKH/EU	AC120KN4DKH/EU
	Outdoor Unit		AC120KX4DNH/EU	AC120KX4DKH/EU
System				
Mode			-	Heat Pump
Capacity	Cooling (Min/Std/Max)		kW	3.50/12.00/13.50
			Btu/h	11,900/40,900/46,100
	Heating (Min/Std/Max)		kW	3.50/13.00/15.50
			Btu/h	11,900/44,400/52,900
Power	Power Input (Nominal)	Cooling (Min/Std/Max)	kW	0.90/4.70/7.90
		Heating (Min/Std/Max)		0.75/4.00/7.90
	Current Input (Nominal)	Cooling (Min/Std/Max)	A	2.10/7.10/12.00
		Heating (Min/Std/Max)		2.10/6.10/12.00
	MCA	A	17.60	26.50
	MFA	A	17.60	29.15
Energy Efficiency	EER (Nominal Cooling)		-	8.70
	COP (Nominal Heating)		-	3.25
Piping Connections	Liquid Pipe		Ø, mm	9.52
			Ø, inch	3/8"
			Ø, mm	15.88
	Gas Pipe		Ø, mm	15.88
			Ø, inch	5/8"
			Installation Limitation	Max. Length
		Max. Height	m	30(30)
Field Wiring	Power Source Wire		Ø, mm	2.50
	Transmission Cable		Ø, mm	0.75~1.50
Refrigerant	Type		-	R410A
	Control Method		-	EEV
	Factory Charging		kg	3.00
Indoor Unit				
Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50
Fan	Type		-	Turbo Fan
	Motor	Output	W	97
	Airflow Rate	High/Mid/Low	CFM	1147/900/699
			l/s	541.67/425.00/330.00
Drain	Drain Pipe		Ø, mm	VP25 (OD 32, ID 25)
Sound	Pressure	High/Mid/Low	dB (A)	45/40/35
	Power	Cooling		61
External Dimension	Net Weight		kg	24.00
	Shipping Weight		kg	29.00
	Net Dimensions (WxHxD)		mm	947 x 365 x 947
	Shipping Dimensions (WxHxD)		mm	990 x 414 x 990
Panel Size	Panel Model		-	PC4NUDMAN
	Panel Net Weight		kg	3.60
	Shipping Weight		kg	6.00
	Net Dimensions (WxHxD)		mm	1,000 x 66 x 1,000
	Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083
Outdoor Unit				
Power Supply			Ø, #, V, Hz	3, 4, 380-415, 50
Compressor	Type		-	Twin BLDC Rotary
	Model		-	UG5T450FUFJX
	Output		kW	4.12
	Oil	Type	-	PVE
Fan	Airflow Rate	Cooling	CFM	2754
			l/s	1,300.00
Sound	Pressure	Cooling/Heating	dB (A)	54/56
	Power	Cooling		70
External Dimension	Net Weight		kg	80.00
	Shipping Weight		kg	85.00
	Net Dimensions (WxHxD)		mm	940 x 998 x 330
	Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426
Operating Temp. Range	Cooling		°C	-15.0~50.0
	Heating		°C	-20.0~24.0

# SPECIFICATIONS

360 Casette				
Model Name	Indoor Unit		AC140KN4DKH/EU	AC140KN4DKH/EU
	Outdoor Unit		AC140KX4DNH/EU	AC140KX4DKH/EU
System				
Mode			-	Heat Pump
Capacity	Cooling (Min/Std/Max)		kW	3.50/13.40/15.50
			Btu/h	11,900/45,700/ 52,900
	Heating (Min/Std/Max)		kW	3.50/15.50/18.00
			Btu/h	11,900/52,900/61,400
Power	Power Input (Nominal)	Cooling (Min/Std/Max)	kW	0.80/4.18/7.90
		Heating (Min/Std/Max)		0.70/4.30/7.90
	Current Input (Nominal)	Cooling (Min/Std/Max)	A	2.10/6.60/12.00
		Heating (Min/Std/Max)		1.90/6.80/12.00
	MCA	A	17.60	33.50
	MFA	A	17.60	36.85
Energy Efficiency	EER (Nominal Cooling)		-	10.95
	COP (Nominal Heating)		-	3.60
Piping Connections	Liquid Pipe		Ø, mm	9.52
			Ø, inch	3/8"
			Ø, mm	15.88
	Gas Pipe		Ø, mm	15.88
			Ø, inch	5/8"
			Installation Limitation	Max. Length
		Max. Height	m	30(30)
Field Wiring	Power Source Wire		Ø, mm	2.50
	Transmission Cable		Ø, mm	0.75~1.50
Refrigerant	Type		-	R410A
	Control Method		-	EEV
	Factory Charging		kg	3.50
Indoor Unit				
Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50
Fan	Type		-	Turbo Fan
	Motor	Output	W	1
	Airflow Rate	High/Mid/Low	CFM	1144/957/805
			l/s	540.00/451.67/380.00
Drain	Drain Pipe		Ø, mm	VP25 (OD 32, ID 25)
Sound	Pressure	High/Mid/Low	dB (A)	45/41/37
	Power	Cooling		61
External Dimension	Net Weight		kg	25.50
	Shipping Weight		kg	30.00
	Net Dimensions (WxHxD)		mm	947 x 365 x 947
	Shipping Dimensions (WxHxD)		mm	990 x 414 x 990
Panel Size	Panel Model		-	PC4NUDMAN
	Panel Net Weight		kg	3.60
	Shipping Weight		kg	6.00
	Net Dimensions (WxHxD)		mm	1,000 x 66 x 1,000
	Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083
Outdoor Unit				
Power Supply			Ø, #, V, Hz	3, 4, 380-415, 50
Compressor	Type		-	Twin BLDC Rotary
	Model		-	UG5T450FUFJX
	Output		kW	4.12
	Oil	Type	-	PVE
Fan	Airflow Rate	Cooling	CFM	3919
			l/s	1,850.00
Sound	Pressure	Cooling/Heating	dB (A)	53/54
	Power	Cooling		69
External Dimension	Net Weight		kg	92.50
	Shipping Weight		kg	102.50
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330
	Shipping Dimensions (WxHxD)		mm	995 x 1,338 x 426
Operating Temp. Range	Cooling		°C	-15.0~50.0
	Heating		°C	-20.0~24.0

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