Wi-Fi R32 UVnano™



DUAL Inverter Heat Pump

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

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Integrate with Your Senses and Interior

- Pre-Cool & Heat by ThinQ App.
- Pro-active Energy Control : Seamlessly adjust energy consumption levels and cooling capacity, ensuring efficient operation in Cooling mode.
- Plasmaster™ Ionizer++ : Say goodbye to unpleasant odors and harmful bacteria. With over 8 million ions at work, enjoy a safer and cleaner indoor environment free from Escherichia coli and Staphylococcus.
- Interior Allergy Filter : Breathe easier with our advanced filter that absorbs harmful particles like dust mites, pollen, fungi, and mold, providing a cleaner and more allergen-free space.
- UV Light Sanitization : Maintain a 99.99% bacteria-free fan with ultraviolet light, ensuring every breath you take is through clean, purified air.
- Auto Cleaning : Keeps the interior of the air conditioner clean by drying off the heat exchanger and performing an additional cleaning.

Single Combination

SET UNIT				AC09BK.SSJC	AC12BK.SSJC	AC18BK.SSKC	AC24BK.SSKC
Cooling	Capacity	Min ~ Rated ~ Max	kW	0.89 ~ 2.5 ~ 3.7	0.89 ~ 3.5 ~ 4.04	0.9 ~ 5.0 ~ 5.5	0.9 ~ 6.6 ~ 7.42
	Power Input	Min ~ Rated ~ Max	W	200 ~ 656 ~ 1,400	200 ~ 1,080 ~ 1,400	210 ~ 1,562 ~ 1,940	210 ~ 2,164 ~ 2,500
	Running Current	Min ~ Rated ~ Max	A	1.1 ~ 3.3 ~ 6.0	1.1 ~ 4.7 ~ 6.0	1.2 ~ 6.9 ~ 9.0	1.2 ~ 9.8 ~ 14.0
	EER		W/W	3.81	3.24	3.2	3.05
	SEER		-	7.0	6.6	7.0	6.9
	Pdesign C		kW	2.5	3.5	5.0	6.6
	Energy Label Grade (A+++ to D Scale)		-	A++	A++	A++	A++
	Annual Energy Consumption		kWh	125	186	250	335
Heating	Capacity	Min ~ Rated ~ Max	kW	0.89 ~ 3.3 ~ 4.1	0.89 ~ 4.0 ~ 5.1	0.9 ~ 5.8 ~ 6.4	0.9 ~ 7.5 ~ 8.64
		Max (-7°C)	kW	2.6	3.0	4.2	6.0
	Power Input	Min ~ Rated ~ Max	W	195 ~ 800 ~ 1,600	195 ~ 1,050 ~ 1,600	210 ~ 1,611 ~ 2,000	210 ~ 2,238 ~ 2,750
	Running Current	Min ~ Rated ~ Max	A	1.1 ~ 4.0 ~ 7.0	1.1 ~ 4.7 ~ 7.0	1.2 ~ 7.1 ~ 9.5	1.2 ~ 10.0 ~ 14.0
	COP		W/W	4.12	3.81	3.6	3.35
	SCOP (Average / Warmer)	Average (Warmer)	-	4.0 (4.9)	4.0 (4.9)	4.3 (5.3)	4.3 (5.3)
	Pdesign H		kW	2.5	2.5	3.9	5.0
	Energy Label Grade (A+++ to D Scale)	Average (Warmer)	-	A+ (A++)	A+ (A++)	A+ (A+++)	A+ (A+++)
	Annual Energy Consumption	Average (Warmer)	kWh	875 (371)	875 (371)	1,270 (555)	1,628 (713)
INDOOR UNIT				**AC09BK.NSJC**	**AC12BK.NSJC**	**AC18BK.NSKC**	**AC24BK.NSKC**
Dimensions (W x H x D)		Net	mm	837 x 308 x 192	837 x 308 x 192	998 x 345 x 212	998 x 345 x 212
		Shipping	mm	882 x 385 x 253	882 x 385 x 253	1,053 x 424 x 278	1,089 x 428 x 298
Weight		Net	kg	9.9	9.9	12.8	13.5
Air Filter Type				Allergy Filter / Pre Filter (Washable)	Allergy Filter / Pre Filter (Washable)	Allergy Filter / Pre Filter (Washable)	Allergy Filter / Pre Filter (Washable)
Air Flow Rate	Cooling	L / M / H / SH	m^3/min	4.2 / 7.5 / 10.0 / 12.5	4.2 / 7.5 / 10.0 / 12.5	10.5 / 13.0 / 14.5 / 15.5	10.5 / 13.1 / 16.1 / 18.3
	Heating	L / M / H / SH	m^3/min	5.6 / 7.2 / 10.0 / 13.0	5.6 / 7.2 / 10.0 / 13.0	11.0 / 13.5 / 16.0 / 18.5	11.0 / 14.3 / 17.6 / 19.8
Sound Pressure Level*	Cooling	SL / L / M / H / SH	dB(A)	19 / 27 / 35 / 41 / 45	19 / 27 / 35 / 41 / 45	31 / 34 / 39 / 44 / 47	31 / 34 / 42 / 47 / 49
	Heating	L / M / H / SH	dB(A)	27 / 35 / 41 / 45	27 / 35 / 41 / 45	34 / 39 / 44 / 48	34 / 42 / 47 / 50
Sound Power Level			dB(A)	59	59	60	65
Moisture Removal			l/h	1.1	1.3	1.8	2.5
Drain Hose Size		O.D, I.D	mm	21.5 , 16	21.5 , 16	21.5 , 16	21.5 , 16
OUTDOOR UNIT				**AC09BK.UA3C**	**AC12BK.UA3C**	**AC18BK.UL2C**	**AC24BK.U24C**
Dimensions (W x H x D)		Net	mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288	870 x 650 x 330
		Shipping	mm	836 x 540 x 321	836 x 540 x 321	919 x 599 x 392	1,026 x 683 x 446
Weight		Net	kg	25.1	25.1	34.4	46
Air Flow Rate		Max	m^3/min	27	27	35	49
Sound Pressure Level*	Cooling	Rated	dB(A)	48	48	53	54
	Heating	Rated	dB(A)	50	50	55	57
Sound Power Level		Rated	dB(A)	65	65	65	70
Operation Range	Cooling		°C DB	-10 ~ 48	-10 ~ 48	-15 ~ 48	-15 ~ 48
	Heating		°C DB	-10 ~ 24	-10 ~ 24	-10 ~ 24	-10 ~ 24
Power Supply			Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			No. x mm^2	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power and Communication Cable			No. x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675	R32 / 675	R32 / 675
	Pre Charged Amount / t-CO_2eq		kg	0.7 / 0.473	0.7 / 0.473	1.0 / 0.675	1.1 / 0.743
	Chargeless		m	7.5	7.5	7.5	7.5
	Additional Charge		g/m	20	20	20	20
Piping	Size	Liquid	mm	Ø 6.35	Ø 6.35	Ø 6.35	Ø 6.35
		Gas	mm	Ø 9.52	Ø 9.52	Ø 12.7	Ø 15.88
Piping Connection	Piping Length	Min / Standard / Max	m	3 / 7.5 / 15	3 / 7.5 / 15	3 / 7.5 / 20	3 / 7.5 / 30
		No Charge (Chargeless)	m	7.5	7.5	7.5	7.5
	Max. Elevation Difference		m	7	7	10	15
Compressor	Type		-	DUAL Inverter HeatPump	DUAL Inverter HeatPump	DUAL Inverter HeatPump	DUAL Inverter HeatPump
ACCESSORIES & OTHERS							
Multi Compatible				Yes	Yes	Yes	Yes
PI485				-	-	Yes	Yes
Dry Contact				Yes	Yes	Yes	Yes
Wired Remote Controller				Yes	Yes	Yes	Yes

* : Sound Pressure is not a value declared on Eurovent Program.
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※ S : Sleep / L : Low / M : Medium / H : High
※ GWP : Global Warming Potential
※ t-CO_2eq : F-gas(kg)*GWP/1,000
※ Y : Available or Applied / - : Not Available or Not Applied
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Wi-Fi R32 AI Air



AI DUAL Inverter™ HeatPump

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AI-advanced Care with Your Lower Energy Consumption

- ThinQ UP / Pre-Cool & Heat by ThinQ App.
- AI Air adapts airflow with radar sensors for optimal comfort.
- Soft Air and DUAL Vane deliver gentle, tailored cooling.
- Comfort Humidity Control ensures a perfectly balanced environment.
- High SEER provides top performance with lower energy consumption.
- KW Manager adjusts operations based on your energy-saving goals.
- Proactive features like Human Detection and Window Open Detection reduce energy waste.
- All Cleaning, Auto Clean+, Plasmaster™ Ionizer++, and Allergy Filter ensure hygienic air.
- Sleep Timer+ analyzes usage patterns for better nighttime comfort.
- Low Heating protects your home from freezing temperatures.
- ThinQ UP function is available. (Download new features, functionalities and so on via ThinQ App)

Single Combination

SET UNIT				H09S1PA.SS1	H12S1PA.SS1
Cooling	Capacity	Min ~ Rated ~ Max	kW	0.89 ~ 2.5 ~ 4.0	0.89 ~ 3.5 ~ 4.35
	Power Input	Min ~ Rated ~ Max	W	160 ~ 510 ~ 1,400	160 ~ 815 ~ 1,500
	Running Current	Min ~ Rated ~ Max	A	1.3 ~ 3.1 ~ 6.0	1.3 ~ 3.75 ~ 6.5
	EER		W/W	4.90	4.29
	SEER		-	9.7	9.5
	Pdesign C		kW	2.5	3.5
	Energy Label Grade (A+++ to D Scale)		-	A+++	A+++
	Annual Energy Consumption		kWh	90	129
Heating	Capacity	Min ~ Rated ~ Max	kW	0.65 ~ 3.2 ~ 5.5	0.65 ~ 4.0 ~ 6.0
		Max (-7°C)	kW	3.6	4.0
	Power Input	Min ~ Rated ~ Max	W	160 ~ 640 ~ 1,600	160 ~ 850 ~ 1,750
	Running Current	Min ~ Rated ~ Max	A	1.3 ~ 3.2 ~ 7.0	1.3 ~ 4.0 ~ 7.5
	COP		W/W	5.0	4.71
	SCOP (Average / Warmer)	Average (Warmer)	-	5.1 (6.1)	5.1 (6.1)
	Pdesign H		kW	2.8	2.8
	Energy Label Grade (A+++ to D Scale)	Average (Warmer)	-	A+++ (A+++)	A+++ (A+++)
	Annual Energy Consumption	Average (Warmer)	kWh	769 (344)	769 (344)
INDOOR UNIT				**H09S1PA.NS1**	**H12S1PA.NS1**
Dimensions (W x H x D)		Net	mm	895 x 307 x 235	895 x 307 x 235
		Shipping	mm	967 x 383 x 296	967 x 383 x 296
Weight		Net	kg	12.6	12.6
Air Filter Type				Allergy Filter / Pre Filter (Washable)	Allergy Filter / Pre Filter (Washable)
Air Flow Rate	Cooling	L / M / H / SH	m^3/min	5.7 / 8.1 / 10.5 / 13.6	5.7 / 8.1 / 10.5 / 13.6
	Heating	L / M / H / SH	m^3/min	5.7 / 8.1 / 10.5 / 14.2	5.7 / 8.1 / 10.5 / 14.2
Sound Pressure Level*	Cooling	SL / L / M / H / SH	dB(A)	19 / 27 / 35 / 40 / 47	19 / 27 / 35 / 40 / 47
	Heating	L / M / H / SH	dB(A)	27 / 35 / 40 / 48	27 / 35 / 40 / 48
Sound Power Level			dB(A)	60	60
Moisture Removal			l/h	1.15	1.3
Drain Hose Size		O.D, I.D	mm	21.5 , 16	21.5 , 16
OUTDOOR UNIT				**H09S1PA.U18**	**H12S1PA.U18**
Dimensions (W x H x D)		Net	mm	770 x 545 x 288	770 x 545 x 288
		Shipping	mm	919 x 599 x 392	919 x 599 x 392
Weight		Net	kg	29.9	29.9
Air Flow Rate		Max	m^3/min	35	35
Sound Pressure Level*	Cooling	Rated	dB(A)	49	49
	Heating	Rated	dB(A)	51	51
Sound Power Level		Rated	dB(A)	65	65
Operation Range	Cooling		°C DB	-15 ~ 48	-15 ~ 48
	Heating		°C DB	-20 ~ 24	-20 ~ 24
Power Supply			Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Circuit Breaker			A	15	15
Power Supply Cable			No. x mm^2	3 x 1.0	3 x 1.0
Power and Communication Cable			No. x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675
	Pre Charged Amount / t-CO_2eq		kg	0.9 / 0.608	0.9 / 0.608
	Chargeless		m	12.5	12.5
	Additional Charge		g/m	20	20
Piping	Size	Liquid	mm	Ø 6.35	Ø 6.35
		Gas	mm	Ø 9.52	Ø 9.52
Piping Connection	Piping Length	Min / Standard / Max	m	3 / 7.5 / 20	3 / 7.5 / 20
		No Charge (Chargeless)	m	12.5	12.5
	Max. Elevation Difference		m	10	10
Compressor	Type		-	DUAL Inverter HeatPump	DUAL Inverter HeatPump
ACCESSORIES & OTHERS					
Multi Compatible				Yes	Yes
PI485				Yes	Yes
Dry Contact				Yes	Yes
Wired Remote Controller				Yes	Yes

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※ t-CO_2eq : F-gas(kg)*GWP/1,000
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Wi-Fi R32 R410A

AI Air



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AI-Advanced Care with Your Interior and Lower Energy Consumption

- AI AIR : Your air conditioner takes care of everything effortlessly, ensuring optimal comfort by adapting its airflow with radar sensors, tracking your location and ambient temperature via ThinQ.
- Soft Air : Stay comfortably cool with ultra-fine settings for wind strength and temperature, avoiding any chill. (When Soft Air is activated, the airflow comes out in three directions)
- DUAL Vane : Multi-link technology optimizes control of two separate vanes, expanding the airflow range.
- High SEER : Enjoy top performance and significant energy savings.
- Automatic Energy Saving : Detects open windows and activates Pro-active Energy Saving (Included Human Detection) Mode Control.
- Sleep Timer+ : Adjusts cooling temperature based on your air conditioner usage patterns for a restful night.
- Low Heating protects your home from freezing temperatures.
- Plasmaster™ Ionizer++ & Allergy Filter : Ensure a cleaner, healthier, and more comfortable indoor environment.
- ThinQ UP function is available. (Download new features, functionalities and so on via ThinQ App)

Multi Combination

INDOOR				AA09SP.NS1	AA12SP.NS1
Capacity	Cooling	Rated	W	2,500	3,500
	Heating	Rated	W	3,200	4,000
Sound Pressure*	Cooling	SL / L / M / H / SH	dB(A)	19 / 27 / 35 / 40 / 47	19 / 27 / 35 / 40 / 47
	Heating	L / M / H / SH	dB(A)	27 / 35 / 40 / 48	27 / 35 / 40 / 48
Sound Power	Cooling	Power	dB(A)	60	60
Air Flow Rate	Cooling	L / M / H / SH	m^3/min	5.7 / 8.1 / 10.5 / 13.6	5.7 / 8.1 / 10.5 / 13.6
	Heating	L / M / H / SH	m^3/min	5.7 / 8.1 / 10.5 / 14.2	5.7 / 8.1 / 10.5 / 14.2
Dehumidification Rate			l/h	1.15	1.3
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Power and Communication Cable			No. x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Weight		Net	kg	13.7	13.7
Air Filter Type				Allergy Filter / Pre Filter (Washable)	Allergy Filter / Pre Filter (Washable)
Dimensions (W x H x D)		Net	mm	935 x 307 x 235	935 x 307 x 235
ACCESSORIES & OTHERS					
Wall Type Single Split Compatible				Y	Y
Commercial Single Split Compatible				-	-
Dry Contact				Y	Y
Wired Remote Controller				Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y

INDOOR				AA18SP.NS1
Capacity	Cooling	Rated	W	5,000
	Heating	Rated	W	5,800
Sound Pressure*	Cooling	SL / L / M / H / SH	dB(A)	29 / 34 / 39 / 44 / 49
	Heating	L / M / H / SH	dB(A)	34 / 39 / 44 / 50
Sound Power	Cooling	Power	dB(A)	60
Air Flow Rate	Cooling	L / M / H / SH	m^3/min	7.0 / 9.9 / 11.7 / 13.6
	Heating	L / M / H / SH	m^3/min	7.0 / 9.9 / 11.7 / 14.2
Dehumidification Rate			l/h	1.8
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50
Power and Communication Cable			No. x mm^2	4 x 1.0 (Including Earth)
Weight		Net	kg	13.7
Air Filter Type				Allergy Filter / Pre Filter (Washable)
Dimensions (W x H x D)		Net	mm	935 x 307 x 235
ACCESSORIES & OTHERS				
Wall Type Single Split Compatible				Y
Commercial Single Split Compatible				-
Dry Contact				Y
Wired Remote Controller				Y
ThinQ (Embedded Wi-Fi)				Y

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※ t-CO_2eq : F-gas(kg)*GWP/1000
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Wi-Fi R32 R410A

UVnano™



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Integrate with Your Senses and Interior

- Plasmaster™ Ionizer++ : Say goodbye to unpleasant odors and harmful bacteria. With over 8 million ions at work, enjoy a safer and cleaner indoor environment free from Escherichia coli and Staphylococcus.
- Interior Allergy Filter : Breathe easier with our advanced filter that absorbs harmful particles like dust mites, pollen, fungi, and mold, providing a cleaner and more allergen-free space.
- UV Light Sanitization : Maintain a 99.99% bacteria-free fan with ultraviolet light, ensuring every breath you take is through clean, purified air.
- Auto Cleaning : Keeps the interior of the air conditioner clean by drying off the heat exchanger and performing an additional cleaning.

Multi Combination

INDOOR				AM07BK.NSJ	AC09BK.NSJC	AC12BK.NSJC
Capacity	Cooling	Rated	W	2,100	2,500	3,500
	Heating	Rated	W	2,300	3,300	4,000
Sound Pressure*	Cooling	SL / L / M / H / SH	dB(A)	- / 26 / 32 / 36 / -	19 / 27 / 35 / 41 / 45	19 / 27 / 35 / 41 / 45
	Heating	L / M / H / SH	dB(A)	26 / 32 / 36 / -	27 / 35 / 41 / 45	27 / 35 / 41 / 45
Sound Power	Cooling	Power	dB(A)	57	59	59
Air Flow Rate	Cooling	L / M / H / SH	m^3/min	5.0 / 7.2 / 8.6 / -	4.2 / 7.5 / 10.0 / 12.5	4.2 / 7.5 / 10.0 / 12.5
	Heating	L / M / H / SH	m^3/min	5.0 / 7.2 / 8.6 / -	5.6 / 7.2 / 10.0 / 13.0	5.6 / 7.2 / 10.0 / 13.0
Dehumidification Rate			l/h	1.0	1.1	1.3
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1, 220 ~ 240, 50	1 / 220 - 240 / 50
Power and Communication Cable			No. x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Weight		Net	kg	9.9	9.9	9.9
Air Filter Type				Allergy Filter / Pre Filter (Washable)	Allergy Filter / Pre Filter (Washable)	Allergy Filter / Pre Filter (Washable)
Dimensions (W x H x D)		Net	mm	837 x 308 x 192	837 x 308 x 192	837 x 308 x 192
ACCESSORIES & OTHERS						
Wall Type Single Split Compatible				Y	Y	Y
Commercial Single Split Compatible				-	-	-
Dry Contact				Y	Y	Y
Wired Remote Controller				Y	Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y	Y

INDOOR				AC18BK.NSKC	AC24BK.NSKC
Capacity	Cooling	Rated	W	5,000	6,600
	Heating	Rated	W	5,800	7,500
Sound Pressure*	Cooling	SL / L / M / H / SH	dB(A)	31 / 34 / 39 / 44 / 47	31 / 34 / 42 / 47 / 49
	Heating	L / M / H / SH	dB(A)	34 / 39 / 44 / 48	34 / 42 / 47 / 50
Sound Power	Cooling	Power	dB(A)	60	65
Air Flow Rate	Cooling	L / M / H / SH	m^3/min	10.5 / 13.0 / 14.5 / 15.5	10.5 / 13.1 / 16.1 / 18.3
	Heating	L / M / H / SH	m^3/min	11.0 / 13.5 / 16.0 / 18.5	11.0 / 14.3 / 17.6 / 19.8
Dehumidification Rate			l/h	1.8	2.5
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Power and Communication Cable			No. x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Weight		Net	kg	12.8	13.5
Air Filter Type				Allergy Filter / Pre Filter (Washable)	Allergy Filter / Pre Filter (Washable)
Dimensions (W x H x D)		Net	mm	998 x 345 x 212	998 x 345 x 212
ACCESSORIES & OTHERS					
Wall Type Single Split Compatible				Y	Y
Commercial Single Split Compatible				-	-
Dry Contact				Y	Y
Wired Remote Controller				Y	Y
ThinQ (Embedded Wi-Fi)				Y	Y

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