SAMSUNG

HVAC. Built brave.

RLC Product Reference Guide

Have plenty of options.
We offer a wide range of residential and light commercial systems to meet the needs of almost any project.

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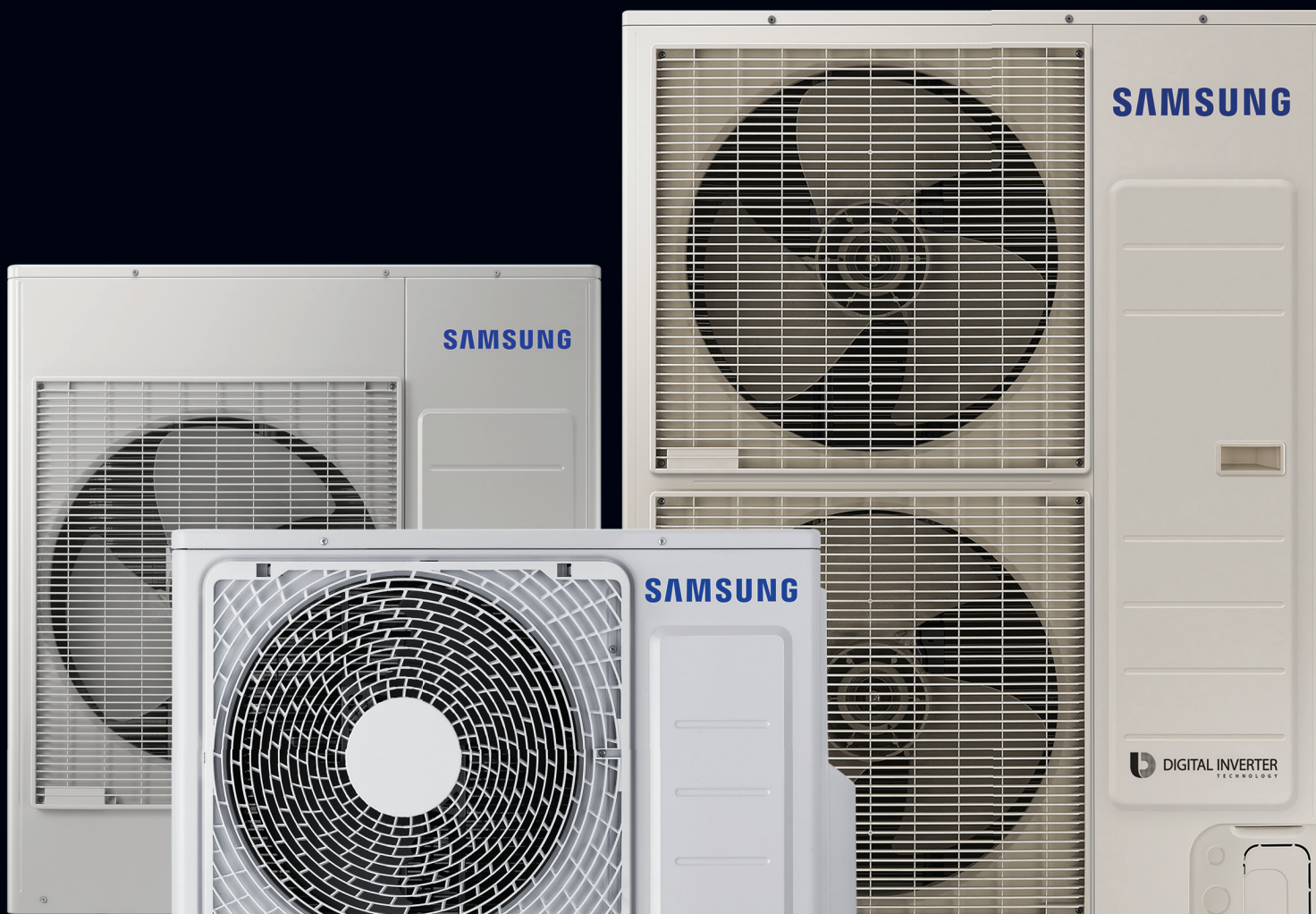

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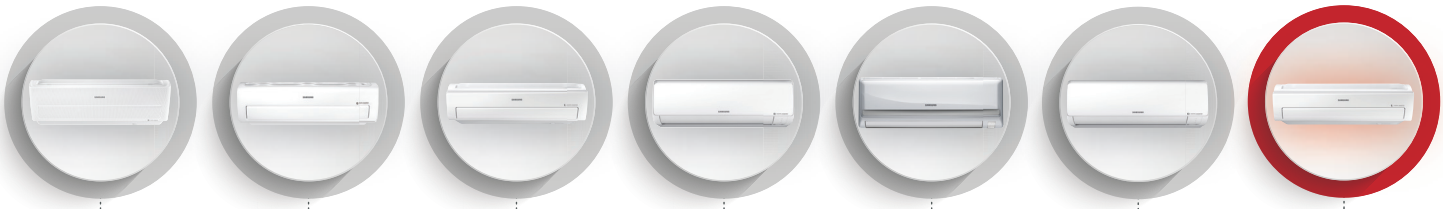
RESIDENTIAL SINGLE ZONE



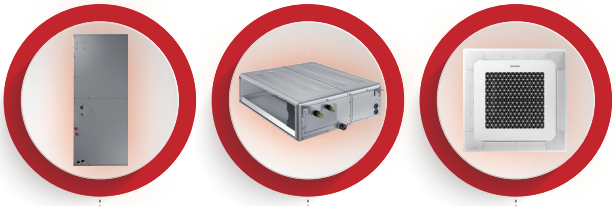
WIND-FREE™* | SMART PEARL | SMART WHISPER | QUANTUM 17 SEER | MAX | NOVUS | SMART WHISPER MAX HEAT®

RESIDENTIAL MULTI-ZONE

FREE JOINT MULTI (FJM) | FREE JOINT MULTI (FJM) MAX HEAT® | SLIM DUCT | WHISPER | WIND-FREE™* MINI 4-WAY CASSETTE

LIGHT COMMERCIAL SINGLE ZONE

HIGH WALL | -40° LOW AMBIENT COOLING | SLIM DUCT | DUCT S | WIND-FREE™* 4-WAY CASSETTE | 360 CASSETTE | MULTI POSITION AIR HANDLER (MPAH)



MULTI POSITION AIR HANDLER (MPAH) MAX HEAT® | DUCT S MAX HEAT® | WIND-FREE™* 4-WAY CASSETTE MAX HEAT®

RLCCT 03.2019 - V9

*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

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WIND-FREE™*

MODEL	INDOOR UNIT	AR09MSWXCWKNCV	AR12MSWXCWKNCV	AR18NSWXCWKNCV	AR24NSWXCWKNCV
	OUTDOOR UNIT	AR09MSWXCWKXCV	AR12MSWXCWKXCV	AR18NSWXCWKXCV	AR24NSWXCWKXCV
PERFORMANCE	COOLING CAPACITY	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h	21,000 Btu/h
	COOLING RANGE	2,200 - 11,000 Btu/h	2,200 - 13,600 Btu/h	7,500 - 23,884 Btu/h	8,800 - 31,700 Btu/h
	HEATING CAPACITY	11,000 Btu/h	13,600 Btu/h	20,600 Btu/h	27,500 Btu/h
	HEATING RANGE	3,000 - 13,600 Btu/h	3,000 - 16,500 Btu/h	7,000 - 30,000 Btu/h	7,500 - 41,000 Btu/h
	SEER / EER	21.00 / 14.05	19.50 / 11.45	20.00 / 13.00	20.00 / 12.50
	COP	3.75	3.62	3.71	3.36
	HSPF	10.00	9.50	10.00	10.00
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	15 A	15 A	30 A	30 A
	MCA	11.1 A	11.1 A	19.0 A	20.0 A
INDOOR UNIT DIMENSIONS	WIDTH	32 5/8 in.	32 5/8 in.	41 15/16 in.	41 15/16 in.
	HEIGHT	10 1/2 in.	10 1/2 in.	11 7/8 in.	11 7/8 in.
	DEPTH	10 7/16 in.	10 7/16 in.	12 1/4 in.	12 1/4 in.
	WEIGHT	22.26 lbs.	22.26 lbs.	31.75 lbs.	31.75 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	31 1/8 in.	31 1/8 in.	34 5/8 in.	37 in.
	HEIGHT	21 9/16 in.	21 9/16 in.	31 1/4 in.	39 11/16 in.
	DEPTH	11 1/4 in.	11 1/4 in.	12 3/16 in.	13 in.
	WEIGHT	72.75 lbs.	72.75 lbs.	123.90 lbs.	147.70 lbs.
OPERATING TEMPERATURE	COOLING	14 ≤ T ≤ 115°F	14 ≤ T ≤ 115°F	14 - 115°F	14 - 115°F
	HEATING	5 ≤ T ≤ 75°F	5 ≤ T ≤ 75°F	5 - 75°F	5 - 75°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	1/4 in. / 3/8 in.	1/4 in. / 3/8 in.	1/4 in. / 1/2 in.	1/4 in. / 5/8 in.
	MAX. LENGTH	50 ft.	50 ft.	98 ft.	98 ft.
	MAX. VERTICAL	26 ft.	26 ft.	66 ft.	66 ft.
REFRIGERANT	R410A CHARGE	38.8 oz.	38.8 oz.	65.52 oz.	88.16 oz.
	CHARGED FOR	25 ft.	25 ft.	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	212 / 254 / 290 / 325	226 / 268 / 314 / 350	364 / 438 / 494 / 551	403 / 494 / 586 / 660
CONDENSER FAN	CFM (MAX.)	1,400	1,400	2,013	2,825
CERTIFICATIONS	ENERGY STAR® CERTIFIED	✓	-	✓	✓

Product registration required. Conditions apply.

The AHRI Certified® mark indicates Samsung's participation in the AHRI Certification program. For verification of individual certified products, go to www.ahridirectory.org.

*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

Select models are ENERGY-STAR® Labeled.
Proper sizing and installation of equipment is critical to achieve performance. Split system air conditioners and heat pumps (excluding ductless systems) must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.

The SmartThings app is available for download on the Google™ Play store and App Store®. A network connection is required. Samsung application account is necessary.

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SMART PEARL

MODEL	INDOOR UNIT	**AR09KSWDHWKNCV**	**AR12KSWDHWKNCV**
	OUTDOOR UNIT	**AR09KSWDHWKXCV**	**AR12KSWDHWKXCV**
PERFORMANCE	COOLING CAPACITY	9,000 Btu/h	12,000 Btu/h
	COOLING RANGE	3,100 - 13,000 Btu/h	3,100 - 13,600 Btu/h
	HEATING CAPACITY	12,600 Btu/h	13,600 Btu/h
	HEATING RANGE	2,700 - 20,800 Btu/h	2,700 - 22,500 Btu/h
	SEER / EER	28.10 / 15.79	26.10 / 14.12
	COP	4.34	4.30
	HSPF	12.00	11.50
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	15 A	15 A
	MCA	10.3 A	10.3 A
INDOOR UNIT DIMENSIONS	WIDTH	35 1/4 in.	35 1/4 in.
	HEIGHT	10 1/4 in.	10 1/4 in.
	DEPTH	10 1/4 in.	10 1/4 in.
	WEIGHT	24.69 lbs.	24.69 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	34 5/8 in.	34 5/8 in.
	HEIGHT	25 1/8 in.	25 1/8 in.
	DEPTH	12 3/16 in.	12 3/16 in.
	WEIGHT	88.18 lbs.	88.18 lbs.
OPERATING TEMPERATURE	COOLING	14 ≤ T ≤ 115 °F	14 ≤ T ≤ 115 °F
	HEATING	5 ≤ T ≤ 75°F	5 ≤ T ≤ 75°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	1/4 in. / 3/8 in.	1/4 in. / 3/8 in.
	MAX. LENGTH	50 ft.	50 ft.
	MAX. VERTICAL	26 ft.	26 ft.
REFRIGERANT	R410A CHARGE	40.6 oz.	40.6 oz.
	CHARGED FOR	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	270 / 330 / 380 / 420	310 / 360 / 420 / 460
CONDENSER FAN	CFM (MAX.)	1,700	1,700
CERTIFICATIONS	ENERGY STAR® CERTIFIED	✓	✓

Product registration required. Conditions apply.

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SMART WHISPER

MODEL	INDOOR UNIT	AR09KSWSJWKNCV	AR12KSWSJWKNCV	AR18KSWSJWKNCV	AR24KSWSJWKNCV
	OUTDOOR UNIT	AR09KSWSJWKXCV	AR12KSWSJWKXCV	AR18KSWSJWKXCV	AR24KSWSJWKXCV
PERFORMANCE	COOLING CAPACITY	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h	21,000 Btu/h
	COOLING RANGE	3,400 - 10,900 Btu/h	3,400 - 13,600 Btu/h	5,500 - 23,900 Btu/h	8,900 - 31,700 Btu/h
	HEATING CAPACITY	12,000 Btu/h	13,600 Btu/h	20,600 Btu/h	27,000 Btu/h
	HEATING RANGE	3,400 - 17,700 Btu/h	3,400 - 20,500 Btu/h	4,100 - 27,300 Btu/h	7,500 - 39,200 Btu/h
	SEER / EER	23.00 / 15.00	22.00 / 13.60	20.50 / 13.20	21.60 / 12.50
	COP	4.00	3.76	3.71	3.13
	HSPF	10.50	9.50	9.00	10.70
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	15 A	15 A	20 A	30 A
	MCA	10.3 A	10.3 A	12.7 A	18.1 A
INDOOR UNIT DIMENSIONS	WIDTH	35 1/4 in.	35 1/4 in.	41 15/16 in.	41 15/16 in.
	HEIGHT	10 1/4 in.	10 1/4 in.	11 7/8 in.	11 7/8 in.
	DEPTH	10 1/4 in.	10 1/4 in.	11 9/16 in.	11 9/16 in.
	WEIGHT	24.25 lbs.	28.66 lbs.	30.86 lbs.	30.86 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	31 1/8 in.	31 1/8 in.	34 5/8 in.	34 5/8 in.
	HEIGHT	21 9/16 in.	21 9/16 in.	31 1/4 in.	38 1/16 in.
	DEPTH	11 1/4 in.	11 1/4 in.	12 1/4 in.	12 5/8 in.
	WEIGHT	81.60 lbs.	81.60 lbs.	116.80 lbs.	144.40 lbs.
OPERATING TEMPERATURE	COOLING	14 ≤ T ≤ 115 °F	14 ≤ T ≤ 115 °F	14 ≤ T ≤ 115 °F	14 ≤ T ≤ 115 °F
	HEATING	5 ≤ T ≤ 75°F	5 ≤ T ≤ 75°F	5 ≤ T ≤ 75°F	5 ≤ T ≤ 75°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	1/4 in. / 3/8 in.	1/4 in. / 3/8 in.	1/4 in. / 1/2 in.	1/4 in. / 5/8 in.
	MAX. LENGTH	50 ft.	50 ft.	98 ft.	98 ft.
	MAX. VERTICAL	26 ft.	26 ft.	49 ft.	49 ft.
REFRIGERANT	R410A CHARGE	44.1 oz.	44.1 oz.	70.5 oz.	56.4 oz.
	CHARGED FOR	25 ft.	25 ft.	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	270 / 330 / 400 / 460	310 / 370 / 430 / 490	430 / 500 / 550 / 600	400 / 430 / 580 / 670
CONDENSER FAN	CFM (MAX.)	1,400	1,400	1,950	2,120
CERTIFICATIONS	ENERGY STAR® CERTIFIED	✓	✓	✓	✓

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QUANTUM 17 SEER

MODEL	INDOOR UNIT	AR09KSFPDWQNCV	AR12KSFPDWQNCV	AR18KSFPDWQNCV	AR24KSFPDWQNCV
	OUTDOOR UNIT	AR09KSFPDWQXCV	AR12KSFPDWQXCV	AR18KSFPDWQXCV	AR24KSFPDWQXCV
PERFORMANCE	COOLING CAPACITY	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h	22,000 Btu/h
	COOLING RANGE	3,000 - 11,260 Btu/h	3,000 - 13,500 Btu/h	5,500 - 20,500 Btu/h	6,100 - 27,300 Btu/h
	HEATING CAPACITY	11,000 Btu/h	13,600 Btu/h	21,000 Btu/h	24,000 Btu/h
	HEATING RANGE	4,000 - 12,800 Btu/h	4,000 - 14,500 Btu/h	4,100 - 23,200 Btu/h	4,400 - 28,000 Btu/h
	SEER / EER	17.00 / 12.50	17.00 / 10.50	17.00 / 11.46	17.00 / 10.48
	COP	3.62	3.26	3.44	3.07
	HSPF	9.00	8.50	9.00	9.00
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	15 A	15 A	20	25 A
	MCA	10.5 A	10.5 A	14.5 A	19 A
INDOOR UNIT DIMENSIONS	WIDTH	32 1/4 in.	32 1/4 in.	41 15/16 in.	41 15/16 in.
	HEIGHT	11 1/4 in.	11 1/4 in.	11 3/4 in.	11 3/4 in.
	DEPTH	8 7/16 in.	8 7/16 in.	9 1/16 in.	9 1/16 in.
	WEIGHT	18.08 lbs.	18.08 lbs.	25.35 lbs.	25.35 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	31 1/8 in.	31 1/8 in.	34 5/8 in.	34 5/8 in.
	HEIGHT	21 9/16 in.	21 9/16 in.	25 1/8 in.	31 9/32 in.
	DEPTH	11 1/4 in.	11 1/4 in.	12 3/16 in.	12 3/16 in.
	WEIGHT	62.83 lbs.	62.83 lbs.	95.90 lbs.	115.74 lbs.
OPERATING TEMPERATURE	COOLING	14 ≤ T ≤ 115°F	14 ≤ T ≤ 115°F	14 ≤ T ≤ 115°F	14 ≤ T ≤ 115°F
	HEATING	5 ≤ T ≤ 75°F	5 ≤ T ≤ 75°F	5 ≤ T ≤ 75°F	5 ≤ T ≤ 75°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	1/4 in. / 3/8 in.	1/4 in. / 3/8 in.	1/4 in. / 1/2 in.	1/4 in. / 5/8 in.
	MAX. LENGTH	50 ft.	50 ft.	98 ft.	98 ft.
	MAX. VERTICAL	26 ft.	26 ft.	49 ft.	49 ft.
REFRIGERANT	R410A CHARGE	31.7 oz.	31.7 oz.	40.6 oz.	51.2 oz.
	CHARGED FOR	25 ft.	25 ft.	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	270 / 300 / 330 / 355	300 / 330 / 360 / 390	400 / 480 / 520 / 570	420 / 490 / 570 / 640
CONDENSER FAN	CFM (MAX.)	1,400	1,400	1,700	1,950
CERTIFICATIONS	ENERGY STAR® CERTIFIED	✓	-	-	-

Warranty - 7 year compressor, 5 year parts
Product registration required.
Conditions apply.

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Select Models are ENERGY STAR® Labeled.
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MAX

MODEL	INDOOR UNIT	**AQN36VFUAGM/CV**
	OUTDOOR UNIT	**AQX36VFUAGM/CV**
PERFORMANCE	COOLING CAPACITY	33,000 Btu/h
	COOLING RANGE	9,000 - 38,000 Btu/h
	HEATING CAPACITY	34,000 Btu/h
	HEATING RANGE	9,000 - 45,000 Btu/h
	SEER / EER	18.00 / 11.00
	COP	3.11
	HSPF	9.00
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60
	MAX. BREAKER	30 A
	MCA	19.5 A
INDOOR UNIT DIMENSIONS	WIDTH	50 3/8 in.
	HEIGHT	13 9/16 in.
	DEPTH	10 in.
	WEIGHT	40.12 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	36 11/16 in.
	HEIGHT	45 7/8 in.
	DEPTH	14 3/4 in.
	WEIGHT	191.80 lbs.
OPERATING TEMPERATURE	COOLING	14 ≤ T ≤ 115 °F
	HEATING	5 ≤ T ≤ 75°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	1/4 in. / 5/8 in.
	MAX. LENGTH	164 ft.
	MAX. VERTICAL	98 ft.
REFRIGERANT	R410A CHARGE	88.1 oz.
	CHARGED FOR	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	580 / 750 / 920 / -
CONDENSER FAN	CFM (MAX.)	2,300
CERTIFICATIONS	ENERGY STAR® CERTIFIED	-

Product registration required. Conditions apply.

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MAX models manufactured after 1/1/2015 qualify for the enhanced 10 Year Warranty with product registration. Conditions apply.

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NOVUS

MODEL	INDOOR UNIT	AR09JSALBWKNCV	AR12JSALBWKNCV
	OUTDOOR UNIT	AR09JSALBWKXCV	AR12JSALBWKXCV
PERFORMANCE	COOLING CAPACITY	9,000 Btu/h	12,000 Btu/h
	COOLING RANGE	5,000 - 12,500	5,000 - 14,500
	HEATING CAPACITY	9,000 Btu/h	12,000 Btu/h
	HEATING RANGE	4,200 - 13,500	4,200 - 16,500
	SEER / EER	20 / 12.7	20 / 12.7
	COP	3.72	3.38
	HSPF	9.0	9.0
POWER	VOLT/ PHASE/ Hz	115 / 1 / 60	115 / 1 / 60
	MAX. BREAKER	25 A	30 A
	MCA	16 A	19 A
INDOOR UNIT DIMENSIONS	WIDTH	31 1/2 in.	35 11/32 in.
	HEIGHT	11 1/32 in.	11 1/32 in.
	DEPTH	8 9/32 in.	8 29/32 in.
	WEIGHT	17.86 lbs.	20.50 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	27 11/16 in.	30 23/32 in.
	HEIGHT	21 1/16 in.	24 1/32 in.
	DEPTH	10 9/32 in.	11 3/4 in.
	WEIGHT	66.14 lbs.	80.69 lbs.
OPERATING TEMPERATURE	COOLING	14 ≤ T ≤ 115°F	14 ≤ T ≤ 115°F
	HEATING	5 ≤ T ≤ 75°F	5 ≤ T ≤ 75°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	1/4 in. / 3/8 in.	1/4 in. / 3/8 in.
	MAX. LENGTH	50 ft.	50 ft.
	MAX. VERTICAL	16.4 ft.	16.4 ft.
REFRIGERANT	R410A CHARGE	33.44 oz.	40.64 oz.
	CHARGED FOR	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	247 / 318 / 388 / -	283 / 353 / 424 / -
CONDENSER FAN	CFM (MAX.)	1,024	1,342
CERTIFICATIONS	ENERGY STAR® CERTIFIED	✓	✓

Warranty - 5 year compressor, 1 year parts
Product registration required.
Conditions apply.

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SMART WHISPER MAX HEAT®

MODEL	INDOOR UNIT	AR09KSWSPWKNCV	AR12KSWSPWKNCV	AR18NSWSPWKNCV	AR24NSWSPWKNCV
	OUTDOOR UNIT	AR09KSWSPWKXCV	AR12KSWSPWKXCV	AR18NSWSPWKXCV	AR24NSWSPWKXCV
PERFORMANCE	COOLING CAPACITY	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h	21,000 Btu/h
	COOLING RANGE	3,071 - 11,260 Btu/h	3,071 - 13,648 Btu/h	7,500 - 23,884 Btu/h	8,800 - 31,700 Btu/h
	HEATING CAPACITY	12,000 Btu/h	14,000 Btu/h	20,600 Btu/h	27,000 Btu/h
	HEATING RANGE	2,730 - 17,740 Btu/h	2,730 - 20,470 Btu/h	7,000 - 30,000 Btu/h	7,500 - 41,000 Btu/h
	SEER / EER	23.50 / 14.05	21.50 / 12.50	20.00 / 13.00	20.00 / 12.50
	COP	4.57	4.23	3.71	3.36
	HSPF	10.50	10.00	10.00	10.00
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	15 A	15 A	30 A	30 A
	MCA	10.5 A	10.5 A	19.0 A	20.0 A
INDOOR UNIT DIMENSIONS	WIDTH	35 1/4 in.	35 1/4 in.	41 15/16 in.	41 15/16 in.
	HEIGHT	10 1/4 in.	10 1/4 in.	11 7/8 in.	11 7/8 in.
	DEPTH	10 1/4 in.	10 1/4 in.	11 9/16 in.	11 9/16 in.
	WEIGHT	24.69 lbs.	24.69 lbs.	32.00 lbs.	32.00 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	31 1/8 in.	31 1/8 in.	34 5/8 in.	37 in.
	HEIGHT	21 9/16 in.	21 9/16 in.	31 1/4 in.	39 5/16 in.
	DEPTH	11 1/4 in.	11 1/4 in.	12 3/16 in.	13 in.
	WEIGHT	79.37 lbs.	79.37 lbs.	126.77 lbs.	143.74 lbs.
OPERATING TEMPERATURE	COOLING	5 ≤ T ≤ 115°F	5 ≤ T ≤ 115°F	5 ≤ T ≤ 115°F	5 ≤ T ≤ 115°F
	HEATING	-13 ≤ T ≤ 75°F	-13 ≤ T ≤ 75°F	-13 ≤ T ≤ 75°F	-13 ≤ T ≤ 75°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	1/4 in. / 3/8 in.	1/4 in. / 3/8 in.	1/4 in. / 1/2 in.	1/4 in. / 5/8 in.
	MAX. LENGTH	50 ft.	50 ft.	98 ft.	98 ft.
	MAX. VERTICAL	26 ft.	26 ft.	66 ft.	66 ft.
REFRIGERANT	R410A CHARGE	42.4 oz.	42.4 oz.	63.5 oz.	88.2 oz.
	CHARGED FOR	25 ft.	25 ft.	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	270 / 330 / 400 / 460	310 / 370 / 430 / 495	364 / 438 / 494 / 551	403 / 494 / 586 / 660
CONDENSER FAN	CFM (MAX.)	1,400	1,400	2,013	2,825
CERTIFICATIONS	ENERGY STAR® CERTIFIED	✓	✓	✓	✓

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FREE JOINT MULTI (FJM)

MODEL	OUTDOOR UNIT	**AJ020JCJ2CH/AA**	**AJ024JCJ3CH/AA**	**AJ036JCJ5CH/AA**
	NUMBER OF PORTS	2	3	5
	MAX. IDU CONNECTION RATIO	140%	135%	125%
PERFORMANCE	COOLING CAPACITY	17,000 Btu/h	22,000 Btu/h	36,000 Btu/h
	MIN. COOLING CAPACITY	6,500 Btu/h	7,500 Btu/h	9,500 Btu/h
	HEATING CAPACITY	22,000 Btu/h	25,000 Btu/h	40,000 Btu/h
	MIN. HEATING CAPACITY	3,500 Btu/h	4,300 Btu/h	7,600 Btu/h
	SEER (DUCTED)	17.0	16.0	16.5
	SEER (NON-DUCTED)	18.5	18.0	18.5
	EER (DUCTED)	11.1	10.1	9.8
	EER (NON-DUCTED)	12.2	12.1	10.4
	HSPF (DUCTED)	8.7	8.7	9.0
	HSPF (NON-DUCTED)	9.0	9.0	9.5
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	11.0 A	16.9 A	18.2 A
	MCA	15 A	25 A	30 A
OUTDOOR UNIT DIMENSIONS	WIDTH	34 5/8 in.	34 5/8 in.	37 in.
	HEIGHT	31 7/16 in.	31 7/16 in.	39 9/32 in.
	DEPTH	12 7/32 in.	12 7/32 in.	13 in.
	WEIGHT	126.00 lbs.	143.00 lbs.	164.00 lbs.
OPERATING TEMPERATURE	COOLING	23 ≤ T ≤ 115°F	23 ≤ T ≤ 115°F	23 ≤ T ≤ 115°F
	HEATING	5 ≤ T ≤ 75°F	5 ≤ T ≤ 75°F	5 ≤ T ≤ 75°F
PIPE CONNECTIONS	HIGH SIDE	1/4 in. X 2	1/4 in. X 3	1/4 in. X 5
	LOW SIDE	3/8 in. X 2	3/8 in. X 2 + 1/2 in. X 1	3/8 in. X 2 + 1/2 in. X 3
	INCLUDED PIPE ADAPTERS	-	(1) 1/2 in. X 3/8 in.	(3) 1/2 in. X 3/8 in., (2) 1/2 in. X 5/8 in.
	MAX. INDIVIDUAL LENGTH	82 ft.	82 ft.	82 ft.
	MAX. TOTAL LENGTH	164 ft.	230 ft.	262 ft.
	MAX. VERTICAL (ODU TO IDU)	49 ft.	49 ft.	49 ft.
	MAX. VERTICAL (HIGH TO LOW IDU)	25 ft.	25 ft.	25 ft.
REFRIGERANT	R410A CHARGE	77.60 oz.	98.80 oz.	116.50 oz.
	CHARGED FOR	98 ft.	131 ft.	131 ft.
CONDENSER FAN	CFM (MAX.)	1,271	1,271	1,526
CERTIFICATIONS	ENERGY STAR® CERTIFIED	-	-	-

Product registration required. Conditions apply.

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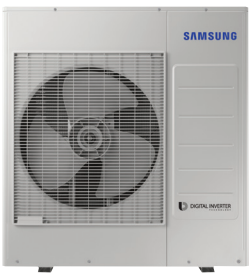

FREE JOINT MULTI (FJM) MAX HEAT®

MODEL	OUTDOOR UNIT	AJ020MCS3CH/AA	AJ024MCS4CH/AA	AJ030MCS4CH/AA
	NUMBER OF PORTS	3	4	4
	MAX. IDU CONNECTION RATIO	128%	128%	140%
PERFORMANCE	COOLING CAPACITY	21,000 Btu/h	25,000 Btu/h	28,400 Btu/h
	MIN. COOLING CAPACITY	7,500 Btu/h	7,500 Btu/h	7,500 Btu/h
	HEATING CAPACITY	22,000 Btu/h	25,000 Btu/h	28,600 Btu/h
	MIN. HEATING CAPACITY	7,600 Btu/h	7,600 Btu/h	7,600 Btu/h
	SEER (DUCTED)	15.5	16.0	17.0
	SEER (NON-DUCTED)	18.0	19.0	18.0
	EER (DUCTED)	11.4	10.6	10.5
	EER (NON-DUCTED)	12.5	12.5	12.5
	HSPF (DUCTED)	9.5	9.5	9.8
	HSPF (NON-DUCTED)	10.0	10.0	11.0
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	30 A	30 A	30 A
	MCA	18.5 A	18.5 A	18.5 A
OUTDOOR UNIT DIMENSIONS	WIDTH	37 in.	37 in.	37 in.
	HEIGHT	39 9/32 in.	39 9/32 in.	39 9/32 in.
	DEPTH	13 in.	13 in.	13 in.
	WEIGHT	167.00 lbs.	167.00 lbs.	167.00 lbs.
OPERATING TEMPERATURE	COOLING	23 ≤ T ≤ 115°F	23 ≤ T ≤ 115°F	23 ≤ T ≤ 115°F
	HEATING	5 ≤ T ≤ 75°F	5 ≤ T ≤ 75°F	5 ≤ T ≤ 75°F
PIPE CONNECTIONS	HIGH SIDE	1/4 in. X 3	1/4 in. X 4	1/4 in. X 4
	LOW SIDE	3/8 in. X 3	3/8 in. X 2 + 1/2 in. X 2	3/8 in. X 2 + 1/2 in. X 2
	INCLUDED PIPE ADAPTERS	-	(2) 1/2 in. X 3/8 in.	(1) 1/2 in. X 3/8 in., (1) 1/2 in. X 5/8 in.
	MAX. INDIVIDUAL LENGTH	82 ft.	82 ft.	82 ft.
	MAX. TOTAL LENGTH	164 ft.	230 ft.	230 ft.
	MAX. VERTICAL (ODU TO IDU)	49 ft.	49 ft.	49 ft.
	MAX. VERTICAL (HIGH TO LOW IDU)	25 ft.	25 ft.	25 ft.
REFRIGERANT	R410A CHARGE	116.80 oz.	116.80 oz.	116.80 oz.
	CHARGED FOR	98 ft.	131 ft.	131 ft.
CONDENSER FAN	CFM (MAX.)	2,472	2,472	2,472
CERTIFICATIONS	ENERGY STAR® CERTIFIED	Non-Ducted Indoor Units Only	Non-Ducted Indoor Units Only	Non-Ducted Indoor Units Only

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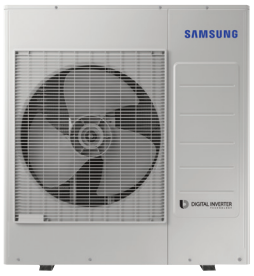

FREE JOINT MULTI (FJM) INDOOR UNITS

WORKS WITH SmartThings

Whisper

MODEL	INDOOR UNIT	AJ007JNADCH/AA	AJ009JNADCH/AA	AJ012JNADCH/AA	AJ018JNADCH/AA	AJ024JNADCH/AA
PERFORMANCE	COOLING CAPACITY	7,000 Btu/h	9,000 Btu/h	12,000 Btu/h	17,000 Btu/h	22,000 Btu/h
	HEATING CAPACITY	7,500 Btu/h	10,900 Btu/h	14,000 Btu/h	20,000 Btu/h	25,000 Btu/h
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
INDOOR UNIT DIMENSIONS	WIDTH	31 1/2 in.	31 1/2 in.	31 1/2 in.	41 7/8 in.	41 7/8 in.
	HEIGHT	10 1/4 in.	10 1/4 in.	10 1/4 in.	11 7/8 in.	11 7/8 in.
	DEPTH	10 1/4 in.	10 1/4 in.	10 1/4 in.	11 1/2 in.	11 1/2 in.
	WEIGHT	21.00 lbs.	21.00 lbs.	21.00 lbs.	29.10 lbs.	30.86 lbs.
PIPE CONNECTIONS	HIGH SIDE X LOW SIDE	1/4 in. X 3/8 in.	1/4 in. X 3/8 in.	1/4 in. X 3/8 in.	1/4 in. X 1/2 in.	1/4 in. X 5/8 in.
EVAPORATOR FAN	CFM (L / M / H / T)	247 / 261 / 297 / -	265 / 300 / 353 / -	265 / 318 / 388 / -	459 / 494 / 600 / -	424 / 494 / 636 / -

Wind-Free™* Mini 4-Way Cassette

MODEL	INDOOR UNIT	AJ009NBNDCH/AA	AJ012NBNDCH/AA	AJ018NBNDCH/AA
PERFORMANCE	COOLING CAPACITY	8,900 Btu/h	11,900 Btu/h	17,700 Btu/h
	HEATING CAPACITY	9,900 Btu/h	13,000 Btu/h	19,100 Btu/h
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
INDOOR UNIT DIMENSIONS	WIDTH	22 5/8 in.	22 5/8 in.	22 5/8 in.
	HEIGHT	10 in.	10 in.	10 in.
	DEPTH	22 5/8 in.	22 5/8 in.	22 5/8 in.
	WEIGHT	25.40 lbs.	25.40 lbs.	25.80 lbs.
PIPE CONNECTIONS	HIGH SIDE X LOW SIDE	1/4 in. X 3/8 in.	1/4 in. X 3/8 in.	1/4 in. X 1/2 in.
EVAPORATOR FAN	CFM (L / M / H / T)	244 / 290 / 318 / -	261 / 318 / 371 / -	261 / 318 / 371 / -

Slim Duct

MODEL	INDOOR UNIT	AJ009JNLDCH/AA	AJ012JNLDCH/AA	AJ018JNLDCH/AA
PERFORMANCE	COOLING CAPACITY	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h
	HEATING CAPACITY	10,000 Btu/h	13,000 Btu/h	19,000 Btu/h
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
INDOOR UNIT DIMENSIONS	WIDTH	35 7/16 in.	35 7/16 in.	43 1/4 in.
	HEIGHT	7 13/16 in.	7 13/16 in.	7 13/16 in.
	DEPTH	23 5/8 in.	23 5/8 in.	23 5/8 in.
	WEIGHT	51.40 lbs.	51.40 lbs.	69.90 lbs.
PIPE CONNECTIONS	HIGH SIDE X LOW SIDE	1/4 in. X 3/8 in.	1/4 in. X 3/8 in.	1/4 in. X 1/2 in.
EVAPORATOR FAN	CFM (L / M / H / T)	293 / 318 / 343 / -	346 / 353 / 374 / -	523 / 547 / 583 / -
	STATIC PRESSURE (STANDARD)	0.08 "WC	0.08 "WC	0.08 "WC
	STATIC PRESSURE (MIN./ MAX.)	0.04 / 0.16 "WC	0.04 / 0.16 "WC	0.04 / 0.16 "WC

Product registration required. Conditions apply.

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*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

Wi-Fi operation requires the MIM-H04U Wi-Fi adapter (sold separately).

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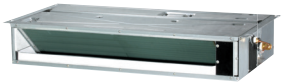
Wind-Free™* Mini 4-Way Cassette

Whisper

Slim Duct



FREE JOINT MULTI (FJM) MODEL SUMMARY

TYPE	DESCRIPTION	MODEL/PART #	PERFORMANCE	
			Nominal Cooling Capacity (Btu/h)	Nominal Heating Capacity (Btu/h)
OUTDOOR UNITS	18,000 Btu/h, 2 port Free Joint Multi	AJ020JCJ2CH/AA	17,000	22,000
	24,000 Btu/h, 3 port Free Joint Multi	AJ024JCJ3CH/AA	22,000	25,000
	36,000 Btu/h, 5 port Free Joint Multi	AJ036JCJ5CH/AA	36,000	40,000
	20,000 Btu/h, 3 port, Free Joint Multi Max Heat®	AJ020MCS3CH/AA	21,000	22,000
	24,000 Btu/h, 4 port, Free Joint Multi Max Heat®	AJ024MCS4CH/AA	25,000	25,000
	30,000 Btu/h, 4 port, Free Joint Multi Max Heat®	AJ030MCS4CH/AA	28,400	28,600
SLIM DUCT	9,000 Btu/h	AJ009JNLDCH/AA	9,000	10,000
	12,000 Btu/h	AJ012JNLDCH/AA	12,000	13,000
	18,000 Btu/h	AJ018JNLDCH/AA	18,000	19,000
WIND-FREE™* MINI 4-WAY CASSETTE	9,000 Btu/h	AJ009NBNDCH/AA	8,900	9,900
	12,000 Btu/h	AJ012NBNDCH/AA	11,900	13,000
	18,000 Btu/h	AJ018NBNDCH/AA	17,000	19,100
WHISPER	7,000 Btu/h	AJ007JNADCH/AA	7,000	7,500
	9,000 Btu/h	AJ009JNADCH/AA	9,000	10,900
	12,000 Btu/h	AJ012JNADCH/AA	12,000	14,000
	18,000 Btu/h	AJ018JNADCH/AA	17,100	20,000
	24,000 Btu/h	AJ024JNADCH/AA	22,000	25,000
CONTROLS	Standard wired controller for duct models	MWR-WH02	-	-
	Standard wired controller for cassette models	MWR-WH00U	-	-
	Premium wired controller for duct and cassette models	MWR-WE13U	-	-
	Standard wired controller and connection kit for wall units	AR-WRS02	-	-
	Premium wired controller and connection kit for wall units	AR-WRP2	-	-
	Central control interface module for connection to DVM S NASA central controls	MIM-N01	-	-
	Central control interface module for connection to DVM Plus central controls	MIM-B13D	-	-
	Wireless Controller (for Wind-Free™* Mini 4-Way Cassette)	AR-EH03U	-	-
	External Contact Control Module	MIM-B14	-	-
	External temperature sensor	MRW-TA	-	-
CONDENSATE PUMPS	115-230V Mini pump for wall units (up to 24,000 btu/h)	ASP-MO-UNIV 110-250	-	-
	230V OEM Pump for FJM duct units (AJ0**JNLDCH/AA)	MDP-E075SEE3	-	-

*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

HIGH WALL

WORKS WITH SmartThings

MODEL	INDOOR UNIT	AC012MNADCH/AA	AC018MNADCH/AA	AC024MNADCH/AA	AC030MNTDCH/AA	AC036MNTDCH/AA
	OUTDOOR UNIT	AC012KXADCH/AA	AC018JXADCH/AA	AC024JXADCH/AA	AC030JXADCH/AA	AC036JXADCH/AA
PERFORMANCE	COOLING CAPACITY	12,000 Btu/h	18,000 Btu/h	24,000 Btu/h	30,000 Btu/h	36,000 Btu/h
	COOLING RANGE	3,400 - 14,500 Btu/h	4,000 - 20,000 Btu/h	7,000 - 27,000 Btu/h	9,300 - 35,000 Btu/h	14,000 - 39,000 Btu/h
	HEATING CAPACITY	14,000 Btu/h	20,000 Btu/h	27,000 Btu/h	32,000 Btu/h	40,000 Btu/h
	HEATING RANGE	3,000 - 16,200 Btu/h	3,800 - 25,000 Btu/h	5,200 - 31,000 Btu/h	9,000 - 38,000 Btu/h	11,500 - 48,000 Btu/h
	SEER / EER	18.0 / 9.85	18.8 / 8.35	18.3 / 10.2	19.5 / 9.5	18.3 / 9.3
	COP	2.44	2.98	3.08	2.78	2.84
	HSPF	9.5	10.0	10.8	9.2	9.5
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	15 A	15 A	20 A	30 A	35 A
	MCA	10.7 A	10 A	12.5 A	20.3 A	23.2 A
INDOOR UNIT DIMENSIONS	WIDTH	29 1/2 in.	34 1/4 in.	41 15/16 in.	50 3/8 in.	50 3/8 in.
	HEIGHT	9 11/16 in.	10 1/4 in.	11 9/16 in.	9 15/16 in.	9 15/16 in.
	DEPTH	9 13/16 in.	10 1/4 in.	11 7/8 in.	13 9/16 in.	13 9/16 in.
	WEIGHT	16.80 lbs.	23.81 lbs.	32.19 lbs.	40.57 lbs.	40.57 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	31 1/8 in.	34 5/8 in.	37 in.	37 in.	37 in.
	HEIGHT	21 9/16 in.	25 1/8 in.	39 11/16 in.	39 11/16 in.	39 11/16 in.
	DEPTH	11 1/4 in.	12 1/4 in.	13 in.	13 in.	13 in.
	WEIGHT	65.00 lbs.	99.00 lbs.	142.00 lbs.	154.00 lbs.	194.00 lbs.
OPERATING TEMPERATURE	COOLING	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F
	HEATING	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	1/4 in. / 3/8 in.	1/4 in. / 1/2 in.	1/4 in. / 5/8 in.	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.
	MAX. LENGTH	65.6 ft.	98 ft.	164 ft.	164 ft.	164 ft.
	MAX. VERTICAL	49 ft.	66 ft.	98 ft.	98 ft.	98 ft.
REFRIGERANT	R410A CHARGE	37.04 oz.	45.86 oz.	74.08 oz.	91.71 oz.	98.77 oz.
	CHARGED FOR	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	194 / 247 / 300 / -	265 / 336 / 406 / -	410 / 477 / 551 / -	671 / 724 / 777 / -	699 / 752 / 830 / -
CONDENSER FAN	CFM (MAX.)	1,271	1,550	2,190	2,221	3,040
CERTIFICATIONS	ENERGY STAR® CERTIFIED	-	-	-	-	-

10 YEAR WARRANTY

Product registration required. Conditions apply.

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*With Wind Baffles

Wi-Fi operation requires the MIM-H04UN Wi-Fi adapter (sold separately).
Please note the body chassis styles for the 12K, 18K, and 24K Btu/h models are different from the 30K and 36K Btu/h models

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-40° LOW AMBIENT COOLING

WORKS WITH SmartThings

MODEL	INDOOR UNIT	AC018MNADCH/AA	AC024MNADCH/AA	AC030MNTDCH/AA	AC036MNTDCH/AA
	OUTDOOR UNIT	AC018MXSCCC/AA	AC024MXSCCC/AA	AC030MXSCCC/AA	AC036MXSCCC/AA
PERFORMANCE	COOLING CAPACITY	18,000 Btu/h	24,000 Btu/h	30,000 Btu/h	36,000 Btu/h
	COOLING RANGE	4,000 - 20,000 Btu/h	7,000 - 27,000 Btu/h	9,000 - 37,000 Btu/h	10,000 - 38,000 Btu/h
	HEATING CAPACITY	-	-	-	-
	HEATING RANGE	-	-	-	-
	SEER / EER	18.8 / 9.05	18.3 / 10.55	19.7 / 10.20	18.0 / 8.1
	COP	-	-	-	-
	HSPF	-	-	-	-
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	15 A	20 A	30 A	30 A
	MCA	13 A	16 A	24 A	24 A
INDOOR UNIT DIMENSIONS	WIDTH	35 1/4 in.	41 15/16 in.	50 3/8 in.	50 3/8 in.
	HEIGHT	10 1/4 in.	11 15/16 in.	13 5/8 in.	13 5/8 in.
	DEPTH	10 1/4 in.	11 6/16 in.	10 in.	10 in.
	WEIGHT	23.81 lbs.	32.19 lbs.	40.57 lbs.	40.57 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	34 9/16 in.	34 9/16 in.	37 in.	37 in.
	HEIGHT	25 1/8 in.	31 7/16 in.	39 5/16 in.	47 9/16 in.
	DEPTH	12 3/16 in.	12 3/16 in.	13 in.	13 in.
	WEIGHT	94.36 lbs.	114.64 lbs.	159.61 lbs.	159.61 lbs.
OPERATING TEMPERATURE	INDOOR COOLING	61 ≤ T ≤ 90°F	61 ≤ T ≤ 90°F	61 ≤ T ≤ 90°F	61 ≤ T ≤ 90°F
	OUTDOOR COOLING	(-40*) 23 ≤ T ≤ 115°F	(-40*) 23 ≤ T ≤ 115°F	(-40*) 23 ≤ T ≤ 115°F	(-40*) 23 ≤ T ≤ 115°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	1/4 in. / 1/2 in.	1/4 in. / 5/8 in.	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.
	MAX. LENGTH	98.4 ft.	164 ft.	164 ft.	164 ft.
	MAX. VERTICAL	65.6 ft.	98.4 ft.	98.4 ft.	98.4 ft.
REFRIGERANT	R410A CHARGE	45.92 oz.	70.56 oz.	84.64 oz.	84.64 oz.
	CHARGED FOR	25 ft.	25 ft.	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	265 / 336 / 406 / -	410 / 477 / 551 / -	671 / 724 / 777 / -	699 / 752 / 830 / -
CONDENSER FAN	CFM (MAX.)	1,412	1,801	2,754	2,754
CERTIFICATIONS	ENERGY STAR® CERTIFIED	-	-	-	-

Warranty - 7 year compressor, 5 year parts
Product registration required.
Conditions apply.

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ETL LISTED C US Intertek

*With Wind Baffles

Wi-Fi operation requires the MIM-H04UN Wi-Fi adapter (sold separately).

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Please Note:
Federal law allows this unit to be installed only in: AK, AL, AR, CO, CT, DC, DE, FL, GA, HI, ID, IL, IA, IN, KS, KY, LA, MA, ME, MD, MI, MN, MO, MS, MT, NC, ND, NE, NH, NJ, NY, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, VT, WA, WV, WI, WY and U.S. territories. Federal law prohibits installation of this unit in other states.

SLIM DUCT

MODEL	INDOOR UNIT	**AC009KNLDCH/AA**	**AC012KNLDCH/AA**	**AC018KNLDCH/AA**
	OUTDOOR UNIT	**AC009KXADCH/AA**	**AC012KXADCH/AA**	**AC018KXADCH/AA**
PERFORMANCE	COOLING CAPACITY	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h
	COOLING RANGE	3,200 - 12,000 Btu/h	3,400 - 15,300 Btu/h	5,000 - 21,000 Btu/h
	HEATING CAPACITY	12,000 Btu/h	14,000 Btu/h	20,000 Btu/h
	HEATING RANGE	2,900 - 14,000 Btu/h	3,000 - 16,200 Btu/h	3,800 - 22,000 Btu/h
	SEER / EER	21.0 / 13.95	20.0 / 12.0	19.5 / 10.7
	COP	2.98	3.16	2.96
	HSPF	10.5	10.5	9.7
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	15 A	15 A	20 A
	MCA	10.6 A	10.6 A	12.7 A
INDOOR UNIT DIMENSIONS	WIDTH	27 9/16 in.	27 9/16 in.	35 7/16 in.
	HEIGHT	7 13/16 in.	7 13/16 in.	7 13/16 in.
	DEPTH	23 5/8 in.	23 5/8 in.	23 5/8 in.
	WEIGHT	44.00 lbs.	44.00 lbs.	52.03 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	31 1/8 in.	31 1/8 in.	34 5/8 in.
	HEIGHT	21 9/16 in.	21 9/16 in.	25 1/8 in.
	DEPTH	11 1/4 in.	11 1/4 in.	12 3/16 in.
	WEIGHT	79.8 lbs.	78.9 lbs.	103.6 lbs.
OPERATING TEMPERATURE	COOLING	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F
	HEATING	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	1/4 in. / 3/8 in.	1/4 in. / 3/8 in.	1/4 in. / 1/2 in.
	MAX. LENGTH	65.6 ft.	65.6 ft.	98.4 ft.
	MAX. VERTICAL	49 ft.	49 ft.	65.6 ft.
REFRIGERANT	R410A CHARGE	36.96 oz.	36.96 oz.	45.92 oz.
	CHARGED FOR	25 ft.	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	283 / 318 / 353 / -	318 / 370 / 425 / -	353 / 424 / 495 / -
CONDENSER FAN	CFM (MAX.)	1,271	1,271	1,526
CERTIFICATIONS	ENERGY STAR® CERTIFIED	✓	-	-

Product registration required. Conditions apply.

The AHRI Certified® mark indicates Samsung's participation in the AHRI Certification program. For verification of individual certified products, go to www.ahridirectory.org.

Select Models are ENERGY STAR® Labeled.
Proper sizing and installation of equipment is critical to achieve performance. Split system air conditioners and heat pumps (excluding ductless systems) must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.

*With Wind Baffles

Wi-Fi operation requires the MIM-H04UN Wi-Fi adapter (sold separately).

The SmartThings app is available for download on the Google™ Play store and App Store®. A network connection is required. Samsung application account is necessary.

DUCT S

MODEL	INDOOR UNIT	AC018MNHDCH/AA	AC024MNHDCH/AA	AC030MNHDCH/AA	AC036MNHDCH/AA	AC042MNHDCH/AA	AC048MNHDCH/AA
	OUTDOOR UNIT	AC018JXADCH/AA	AC24JXADCH/AA	AC030JXADCH/AA	AC036JXADCH/AA	AC042JXADCH/AA	AC048JXADCH/AA
PERFORMANCE	COOLING CAPACITY	18,000 Btu/h	24,000 Btu/h	30,000 Btu/h	36,000 Btu/h	42,000 Btu/h	48,000 Btu/h
	COOLING RANGE	5,000 - 21,000 Btu/h	7,000 - 27,000 Btu/h	9,300 - 35,000 Btu/h	14,000 - 41,000 Btu/h	16,300 - 45,000 Btu/h	18,600 - 48,000 Btu/h
	HEATING CAPACITY	20,000 Btu/h	27,000 Btu/h	32,000 Btu/h	40,000 Btu/h	47,000 Btu/h	53,000 Btu/h
	HEATING RANGE	3,800 - 25,000 Btu/h	5,200 - 31,000 Btu/h	9,000 - 38,000 Btu/h	11,500 - 48,000 Btu/h	13,400 - 50,000 Btu/h	15,300 - 55,000 Btu/h
	SEER / EER	18.6 / 9.4	20.0 / 11.8	18.4 / 10.0	20.0 / 11.5	19.0 / 9.75	17.8 / 9.15
	COP	3.10	3.44	3.16	3.54	3.36	2.98
	HSPF	10.6	10.6	10.2	10.2	10.2	9.8
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	15 A	20 A	30 A	40 A	40 A	40 A
	MCA	10.0 A	13.5 A	23 A	26.5 A	26.5 A	26.5 A
INDOOR UNIT DIMENSIONS	WIDTH	33 1/2 in.	47 1/4 in.	47 1/4 in.	51 3/16 in.	51 3/16 in.	51 3/16 in.
	HEIGHT	9 13/16 in.	9 13/16 in.	9 13/16 in.	11 13/16 in.	11 13/16 in.	11 13/16 in.
	DEPTH	27 9/16 in.	27 9/16 in.	27 9/16 in.	27 9/16 in.	27 9/16 in.	27 9/16 in.
	WEIGHT	68.80 lbs.	89.30 lbs.	89.30 lbs.	99.60 lbs.	99.60 lbs.	99.60 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	34 5/8 in.	37 in.	37 in.	37 in.	37 in.	37 in.
	HEIGHT	25 1/8 in.	39 11/16 in.	39 11/16 in.	48 in.	48 in.	48 in.
	DEPTH	12 1/4 in.	12 3/4 in.	12 3/4 in.	13 in.	13 in.	13 in.
	WEIGHT	99.00 lbs.	142.00 lbs.	154.00 lbs.	194.00 lbs.	194.00 lbs.	194.00 lbs.
OPERATING TEMPERATURE	COOLING	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F
	HEATING	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	1/4 in. / 1/2 in.	1/4 in. / 5/8 in.	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.
	MAX. LENGTH	98 ft.	164 ft.	164 ft.	246 ft.	246 ft.	246 ft.
	MAX. VERTICAL	66 ft.	98 ft.	98 ft.	98 ft.	98 ft.	98 ft.
REFRIGERANT	R410A CHARGE	45.86 oz.	74.08 oz.	91.71 oz.	98.77 oz.	98.77 oz.	98.77 oz.
	CHARGED FOR	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	353 / 477 / 600 / -	530 / 618 / 706 / -	671 / 777 / 883 / -	848 / 989 / 1,165 / -	1,024 / 1,130 / 1,236 / -	1,059 / 1,165 / 1,271 / -
CONDENSER FAN	CFM (MAX.)	1,550	2,190	2,219	3,040	3,040	3,040
CERTIFICATIONS	ENERGY STAR® CERTIFIED	-	-	-	-	-	-

Product registration required. Conditions apply.

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*With Wind Baffles

Wi-Fi operation requires the MIM-H04UN Wi-Fi adapter (sold separately).

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SAMSUNG

WIND-FREE™* 4-WAY CASSETTE

MODEL	INDOOR UNIT	AC018NN4DCH/AA	AC024NN4DCH/AA	AC030NN4DCH/AA	AC036NN4DCH/AA	AC042NN4DCH/AA	AC048NN4DCH/AA
	OUTDOOR UNIT	AC018JXADCH/AA	AC024JXADCH/AA	AC030JXADCH/AA	AC036JXADCH/AA	AC042JXADCH/AA	AC048JXADCH/AA
PERFORMANCE	COOLING CAPACITY	18,000 Btu/h	24,000 Btu/h	30,000 Btu/h	36,000 Btu/h	42,000 Btu/h	48,000 Btu/h
	COOLING RANGE	5,000 - 21,000 Btu/h	7,000 - 27,000 Btu/h	9,300 - 35,000 Btu/h	14,000 - 41,000 Btu/h	16,300 - 45,000 Btu/h	18,600 - 51,000 Btu/h
	HEATING CAPACITY	20,000 Btu/h	27,000 Btu/h	32,000 Btu/h	40,000 Btu/h	47,000 Btu/h	53,000 Btu/h
	HEATING RANGE	3,800 - 25,000 Btu/h	5,200 - 31,000 Btu/h	9,000 - 38,000 Btu/h	11,500 - 48,000 Btu/h	13,400 - 50,000 Btu/h	15,300 - 55,000 Btu/h
	SEER / EER	20.1 / 11.7	20.5 / 11.4	19.2 / 10.4	20.5 / 12.1	19.6 / 10.4	18.8 / 9.7
	COP	3.66	3.16	3.02	3.36	3.16	3.08
	HSPF	10.0	9.7	9.8	9.5	9.5	9.5
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	15 A	20 A	30 A	35 A	35 A	35 A
	MCA	8.1 A	12.06 A	19.71 A	22.08 A	22.08 A	22.08 A
INDOOR UNIT DIMENSIONS	WIDTH	33 1/16 in.	33 1/16 in.	33 1/16 in.	33 1/16 in.	33 1/16 in.	33 1/16 in.
	HEIGHT	8 in.	8 in.	11 3/8 in.	11 3/8 in.	11 3/8 in.	11 3/8 in.
	DEPTH	33 1/16 in.	33 1/16 in.	33 1/16 in.	33 1/16 in.	33 1/16 in.	33 1/16 in.
	WEIGHT	33.07 lbs.	33.07 lbs.	40.79 lbs.	40.79 lbs.	40.79 lbs.	40.79 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	34 5/8 in.	37 in.	37 in.	37 in.	37 in.	37 in.
	HEIGHT	25 1/8 in.	39 11/16 in.	39 11/16 in.	48 in.	48 in.	48 in.
	DEPTH	12 1/4 in.	12 3/4 in.	12 3/4 in.	13 in.	13 in.	13 in.
	WEIGHT	99.00 lbs.	154.00 lbs.	154.00 lbs.	194.00 lbs.	194.00 lbs.	194.00 lbs.
OPERATING TEMPERATURE	COOLING	(0**) 23 ≤ T ≤ 115°F	(0**) 23 ≤ T ≤ 115°F	(0**) 23 ≤ T ≤ 115°F	(0**) 23 ≤ T ≤ 115°F	(0**) 23 ≤ T ≤ 115°F	(0**) 23 ≤ T ≤ 115°F
	HEATING	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	1/4 in. / 1/2 in.	1/4 in. / 5/8 in.	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.
	MAX. LENGTH	98 ft.	164 ft.	164 ft.	246 ft.	246 ft.	246 ft.
	MAX. VERTICAL	66 ft.	98 ft.	98 ft.	98 ft.	98 ft.	98 ft.
REFRIGERANT	R410A CHARGE	45.86 oz.	74.08 oz.	91.71 oz.	98.77 oz.	98.77 oz.	98.77 oz.
	CHARGED FOR	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	430 / 490 / 580 / -	430 / 490 / 580 / -	590 / 715 / 840 / -	620 / 840 / 1,020 / -	670 / 890 / 1,170 / -	715 / 940 / 1,230 / -
CONDENSER FAN	CFM (MAX.)	1,550	2,190	2,221	3,040	3,040	3,040
CERTIFICATIONS	ENERGY STAR® CERTIFIED	-	-	-	-	-	-

Product registration required. Conditions apply.

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*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

**With Wind Baffles

Wi-Fi operation requires the MIM-H04UN Wi-Fi adapter (sold separately).

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360 CASSETTE

MODEL	INDOOR UNIT	AC018KN4DCH/AA	AC024KN4DCH/AA	AC030KN4DCH/AA	AC036KN4DCH/AA	AC042KN4DCH/AA	AC048KN4DCH/AA
	OUTDOOR UNIT	AC018JXADCH/AA	AC024JXADCH/AA	AC030JXADCH/AA	AC036JXADCH/AA	AC042JXADCH/AA	AC048JXADCH/AA
PERFORMANCE	COOLING CAPACITY	18,000 Btu/h	24,000 Btu/h	30,000 Btu/h	36,000 Btu/h	42,000 Btu/h	48,000 Btu/h
	COOLING RANGE	5,000 - 21,000 Btu/h	7,000 - 27,000 Btu/h	9,300 - 35,000 Btu/h	14,000 - 41,000 Btu/h	16,300 - 45,000 Btu/h	18,600 - 51,000 Btu/h
	HEATING CAPACITY	20,000 Btu/h	27,000 Btu/h	32,000 Btu/h	40,000 Btu/h	47,000 Btu/h	53,000 Btu/h
	HEATING RANGE	3,800 - 25,000 Btu/h	5,200 - 31,000 Btu/h	9,000 - 38,000 Btu/h	11,500 - 48,000 Btu/h	13,400 - 50,000 Btu/h	15,300 - 55,000 Btu/h
	SEER / EER	20.10 / 11.40	20.50 / 11.10	19.20 / 10.40	20.70 / 12.00	19.70 / 10.00	19.00 / 8.90
	COP	3.66	3.20	3.06	3.40	3.04	3.20
	HSPF	10.0	10.0	9.9	9.7	9.5	9.5
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	15 A	20 A	30 A	35 A	35 A	35 A
	MCA	8.1 A	12.06 A	19.7 A	22.08 A	22.08 A	22.08 A
INDOOR UNIT DIMENSIONS	WIDTH	37 1/4 in.	37 1/4 in.	37 1/4 in.	37 1/4 in.	37 1/4 in.	37 1/4 in.
	HEIGHT	11 in.	11 in.	14 3/8 in.	14 3/8 in.	14 3/8 in.	14 3/8 in.
	DEPTH	37 1/4 in.	37 1/4 in.	37 1/4 in.	37 1/4 in.	37 1/4 in.	37 1/4 in.
	WEIGHT	46.30 lbs.	46.30 lbs.	52.91 lbs.	52.91 lbs.	52.91 lbs.	52.91 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	34 5/8 in.	37 in.	37 in.	37 in.	37 in.	37 in.
	HEIGHT	25 1/8 in.	39 11/16 in.	39 11/16 in.	48 in.	48 in.	48 in.
	DEPTH	12 1/4 in.	13 in.	13 in.	13 in.	13 in.	13 in.
	WEIGHT	99.00 lbs.	142.00 lbs.	154.00 lbs.	194.00 lbs.	194.00 lbs.	194.00 lbs.
OPERATING TEMPERATURE	COOLING	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F
	HEATING	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	1/4 in. / 1/2 in.	1/4 in. / 5/8 in.	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.
	MAX. LENGTH	98 ft.	164 ft.	164 ft.	246 ft.	246 ft.	246 ft.
	MAX. VERTICAL	66 ft.	98 ft.	98 ft.	98 ft.	98 ft.	98 ft.
REFRIGERANT	R410A CHARGE	45.86 oz.	74.08 oz.	91.71 oz.	98.77 oz.	98.77 oz.	98.77 oz.
	CHARGED FOR	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	480 / 547 / 646 / -	480 / 547 / 646 / -	632 / 741 / 904 / -	710 / 943 / 1,179 / -	745 / 981 / 1,218 / -	822 / 1,024 / 1,257 / -
CONDENSER FAN	CFM (MAX.)	1,550	2,190	2,219	3,040	3,040	3,040
CERTIFICATIONS	ENERGY STAR® CERTIFIED	-	-	-	-	-	-

Product registration required. Conditions apply.

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*With Wind Baffles

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MULTI-POSITION AIR HANDLER (MPAH)

MODEL	INDOOR UNIT	AC018KNZDCH/AA	AC024KNZDCH/AA	AC030KNZDCH/AA
	OUTDOOR UNIT	AC018JXADCH/AA	AC024JXADCH/AA	AC030JXADCH/AA
PERFORMANCE	COOLING CAPACITY	18,000 Btu/h	24,000 Btu/h	30,000 Btu/h
	COOLING RANGE	5,000 - 21,000 Btu/h	7,000 - 27,000 Btu/h	9,3000 - 35,000 Btu/h
	HEATING CAPACITY	20,000 Btu/h	27,000 Btu/h	32,000 Btu/h
	HEATING RANGE	4,400 - 24,000 Btu/h	6,700 - 29,000 Btu/h	9,000 - 38,000 Btu/h
	SEER / EER	20.10 / 11.25	19.50 / 11.00	19.60 / 10.15
	COP	2.92	3.00	3.33
	HSPF	10.0	11.5	10.4
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	15 A	20 A	35 A
	MCA	9.4 A	13.58 A	21.71 A
INDOOR UNIT DIMENSIONS	WIDTH	17 1/2 in.	17 1/2 in.	21 in.
	HEIGHT	43 in.	43 in.	48 in.
	DEPTH	21 in.	21 in.	12 in.
	WEIGHT	98.10 lbs.	98.10 lbs.	123.46 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	34 5/8 in.	37 in.	37 in.
	HEIGHT	25 1/8 in.	39 11/16 in.	39 11/16 in.
	DEPTH	12 1/4 in.	13 in.	13 in.
	WEIGHT	99.00 lbs.	142.00 lbs.	154.00 lbs.
OPERATING TEMPERATURE	COOLING	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F
	HEATING	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	1/4 in. / 1/2 in.	1/4 in. / 5/8 in.	3/8 in. / 5/8 in.
	MAX. LENGTH	98 ft.	164 ft.	164 ft.
	MAX. VERTICAL	66 ft.	98 ft.	98 ft.
REFRIGERANT	R410A CHARGE	45.86 oz.	74.08 oz.	91.71 oz.
	CHARGED FOR	25 ft.	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	495 / 530 / 600 / -	547 / 635 / 760 / -	847 / 918 / 1,006 / -
CONDENSER FAN	CFM (MAX.)	1,550	2,190	2,219
CERTIFICATIONS	ENERGY STAR® CERTIFIED	-	-	-

Product registration required. Conditions apply.

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*With Wind Baffles

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MULTI-POSITION AIR HANDLER (MPAH)

MODEL	INDOOR UNIT	**AC036KNZDCH/AA**	**AC042KNZDCH/AA**	**AC048KNZDCH/AA**	**AC054KNZDCH/AA**
	OUTDOOR UNIT	**AC036JXADCH/AA**	**AC042JXADCH/AA**	**AC048JXADCH/AA**	**AC054JXADCH/AA**
PERFORMANCE	COOLING CAPACITY	36,000 Btu/h	42,000 Btu/h	48,000 Btu/h	54,000 Btu/h
	COOLING RANGE	14,000 - 39,000 Btu/h	17,000 - 44,000 Btu/h	19,000 - 50,000 Btu/h	21,000 - 55,000 Btu/h
	HEATING CAPACITY	40,000 Btu/h	47,000 Btu/h	53,000 Btu/h	60,000 Btu/h
	HEATING RANGE	12,000 - 43,000 Btu/h	14,000 - 49,000 Btu/h	16,000 - 55,000 Btu/h	21,000 - 62,000 Btu/h
	SEER / EER	19.00 / 11.40	18.40 / 10.15	18.00 / 9.60	17.10 / 8.05
	COP	3.24	3.26	3.14	3.03
	HSPF	10.2	9.6	9.7	9
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	40 A	40 A	40 A	70 A
	MCA	26.36 A	26.36 A	26.36 A	41.64 A
INDOOR UNIT DIMENSIONS	WIDTH	21 in.	24 1/2 in.	24 1/2 in.	24 1/2 in.
	HEIGHT	48 in.	58 3/4 in.,	58 3/4 in.,	58 3/4 in.,
	DEPTH	12 in.	21 3/4 in.	21 3/4 in.	21 3/4 in.
	WEIGHT	123.46 lbs.	163.14 lbs.	163.14 lbs.	163.14 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	37 in.	37 in.	37 in.	37 in.
	HEIGHT	39 11/16 in.	39 11/16 in.	48 in.	56 in.
	DEPTH	13 in.	13 in.	13 in.	13 in.
	WEIGHT	194.00 lbs.	194.00 lbs.	194.00 lbs.	211.64 lbs.
OPERATING TEMPERATURE	COOLING	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F	(0*) 23 ≤ T ≤ 115°F
	HEATING	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F	-4 ≤ T ≤ 76°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.	3/8 in. / 3/4 in.
	MAX. LENGTH	246 ft.	246 ft.	246 ft.	246 ft.
	MAX. VERTICAL	98 ft.	98 ft.	98 ft.	98 ft.
REFRIGERANT	R410A CHARGE	98.77 oz.	98.77 oz.	98.77 oz.	123.52 oz.
	CHARGED FOR	25 ft.	25 ft.	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	883 / 1,042 / 1,165 / -	1,060 / 1,165 / 1,271 / -	1,130 / 1,271 / 1,413 / -	1,342 / 1,501 / 1,890 / -
CONDENSER FAN	CFM (MAX.)	3,040	3,040	3,040	5,160
CERTIFICATIONS	ENERGY STAR® CERTIFIED	-	-	-	-

Product registration required. Conditions apply.

The AHRI Certified® mark indicates Samsung's participation in the AHRI Certification program. For verification of individual certified products, go to www.ahridirectory.org.

*With Wind Baffles

Wi-Fi operation requires the MIM-H04UN Wi-Fi adapter (sold separately).

The SmartThings app is available for download on the Google™ Play store and App Store®. A network connection is required. Samsung application account is necessary.

Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.

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MULTI-POSITION AIR HANDLER (MPAH) MAX HEAT®

MODEL	INDOOR UNIT	**AC030KNZDCH/AA**	**AC036KNZDCH/AA**
	OUTDOOR UNIT	**AC030JXSCCH/AA**	**AC036JXSCCH/AA**
PERFORMANCE	COOLING CAPACITY	30,000 Btu/h	36,000 Btu/h
	COOLING RANGE	14,000 - 36,000 Btu/h	14,000 - 42,000 Btu/h
	HEATING CAPACITY	32,000 Btu/h	40,000 Btu/h
	HEATING RANGE	11,500 - 39,000 Btu/h	12,000 - 48,000 Btu/h
	SEER / EER	20.3 / 12.2	20.0 / 11.0
	COP	3.45	3.32
	HSPF	10.6	10.4
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	45 A	45 A
	MCA	32 A	32 A
INDOOR UNIT DIMENSIONS	WIDTH	21 in.	21 in.
	HEIGHT	48 in.	48 in.
	DEPTH	12 in.	12 in.
	WEIGHT	123.46 lbs.	123.46 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	37 in.	37 in.
	HEIGHT	55 7/8 in.	55 7/8 in.
	DEPTH	13 in.	13 in.
	WEIGHT	211.64 lbs.	211.64 lbs.
OPERATING TEMPERATURE	COOLING	(-4*) 23 ≤ T ≤ 115°F	(-4*) 23 ≤ T ≤ 115°F
	HEATING	-13 ≤ T ≤ 76°F	-13 ≤ T ≤ 76°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.
	MAX. LENGTH	246 ft.	246 ft.
	MAX. VERTICAL	98 ft.	98 ft.
REFRIGERANT	R410A CHARGE	102.29 oz.	102.29 oz.
	CHARGED FOR	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	848 / 918 / 1,007 / -	883 / 1,042 / 1,165 / -
CONDENSER FAN	CFM (MAX.)	4,415	4,415
CERTIFICATIONS	ENERGY STAR® CERTIFIED	-	-

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DUCT S MAX HEAT®

MODEL	INDOOR UNIT	AC030MNHDCH/AA	AC036MNHDCH/AA
	OUTDOOR UNIT	AC030JXSCCH/AA	AC036JXSCCH/AA
PERFORMANCE	COOLING CAPACITY	30,000 Btu/h	36,000 Btu/h
	COOLING RANGE	14,000 - 36,000 Btu/h	14,000 - 42,000 Btu/h
	HEATING CAPACITY	32,000 Btu/h	40,000 Btu/h
	HEATING RANGE	11,500 - 39,000 Btu/h	12,000 - 48,000 Btu/h
	SEER / EER	19.0 / 11.0	20.0 / 12.20
	COP	3.81	3.34
	HSPF	10.1	10.4
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	45 A	45 A
	MCA	32 A	32 A
INDOOR UNIT DIMENSIONS	WIDTH	41 1/4 in.	51 3/16 in.
	HEIGHT	9 13/16 in.	11 3/16 in.
	DEPTH	27 9/16 in.	27 9/16 in.
	WEIGHT	89.30 lbs.	99.60 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	37 in.	37 in.
	HEIGHT	55 7/8 in.	55 7/8 in.
	DEPTH	13 in.	13 in.
	WEIGHT	211.64 lbs.	211.64 lbs.
OPERATING TEMPERATURE	COOLING	(-4*) 23 ≤ T ≤ 115°F	(-4*) 23 ≤ T ≤ 115°F
	HEATING	-13 ≤ T ≤ 76°F	-13 ≤ T ≤ 76°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.
	MAX. LENGTH	246 ft.	246 ft.
	MAX. VERTICAL	98 ft.	98 ft.
REFRIGERANT	R410A CHARGE	102.29 oz.	102.29 oz.
	CHARGED FOR	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	671 / 777 / 883 / -	848 / 989 / 1,165 / -
CONDENSER FAN	CFM (MAX.)	4,415	4,415
CERTIFICATIONS	ENERGY STAR® CERTIFIED	-	-

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WIND-FREE™* 4-WAY CASSETTE MAX HEAT®

MODEL	INDOOR UNIT	**AC030NN4DCH/AA**	**AC036NN4DCH/AA**
	OUTDOOR UNIT	**AC030JXSCCH/AA**	**AC036JXSCCH/AA**
PERFORMANCE	COOLING CAPACITY	30,000 Btu/h	36,000 Btu/h
	COOLING RANGE	13,000 - 36,000 Btu/h	14,000 - 42,000 Btu/h
	HEATING CAPACITY	32,000 Btu/h	40,000 Btu/h
	HEATING RANGE	11,000 - 39,000 Btu/h	12,000 - 48,000 Btu/h
	SEER / EER	21.0 / 13.1	20.0 / 12.9
	COP	3.84	3.64
	HSPF	10.1	10.4
POWER	VOLT/ PHASE/ Hz	208-230 / 1 / 60	208-230 / 1 / 60
	MAX. BREAKER	45 A	45 A
	MCA	26.31 A	26.31 A
INDOOR UNIT DIMENSIONS	WIDTH	33 in.	33 in.
	HEIGHT	11 5/16 in.	11 5/16 in.
	DEPTH	33 in.	33 in.
	WEIGHT	41.89 lbs.	41.89 lbs.
OUTDOOR UNIT DIMENSIONS	WIDTH	37 in.	37 in.
	HEIGHT	55 7/8 in.	55 7/8 in.
	DEPTH	13 in.	13 in.
	WEIGHT	211.64 lbs.	211.64 lbs.
OPERATING TEMPERATURE	COOLING	(-4**) 23 ≤ T ≤ 115°F	(-4**) 23 ≤ T ≤ 115°F
	HEATING	-13 ≤ T ≤ 76°F	-13 ≤ T ≤ 76°F
PIPE CONNECTIONS	HIGH SIDE / LOW SIDE	3/8 in. / 5/8 in.	3/8 in. / 5/8 in.
	MAX. LENGTH	246 ft.	246 ft.
	MAX. VERTICAL	98 ft.	98 ft.
REFRIGERANT	R410A CHARGE	102.29 oz.	102.29 oz.
	CHARGED FOR	25 ft.	25 ft.
EVAPORATOR FAN	CFM (L / M / H / T)	600 / 720 / 840 / -	812 / 928 / 1021 / -
CONDENSER FAN	CFM (MAX.)	4,415	4,415
CERTIFICATIONS	ENERGY STAR® CERTIFIED		

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*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

Proper sizing and installation of equipment is critical to achieve performance. Split system air conditioners and heat pumps (excluding ductless systems) must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.

**With Wind Baffles

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ACCESSORIES

Line Sets (Excluding Novus AR**JS*LBWKNCV systems)		
Part Number	Size (HXL)	Length
ILS2506	1/4" X 3/8"	25'
ILS5006	1/4" X 3/8"	50'
ILS2507	1/4" X 1/2"	25'
ILS5007	1/4" X 1/2"	50'
ILS2509	1/4" X 5/8"	25'
ILS5009	1/4" X 5/8"	50'
ILS2510	3/8" X 5/8"	25'
ILS5010	3/8" X 5/8"	50'

Novus (AR**JS*LBWKNCV) Line Sets		
Part Number	Size (HXL)	Length
SLS2506	1/4" X 3/8"	25'
SLS5006	1/4" X 3/8"	50'

Communication Wire (excludes Novus)		
Part Number	Description	Used On
I33-100	100 ft	2 Wire, 16 AWG shielded
I33-250	250 ft	
I33-500	500 ft	

Condenser Wall Bracket	
Part Number	Description
CKN-250	Outdoor unit mounting bracket

Condensate Pumps		
Part Number	Description	Used On
ASP-MO-UNIV 110-250	115-230V Mini Orange Pump	115-230V mini pump for wall units (up to 24K Btu/h)
BD-BLUE230	208–230V Blue Diamond Pump w/Reservoir	Indoor units up to 48K Btu/h
ASP-MAXO-UNIV	230V Maxi Orange Pump	Max 36K Btu/h units
MDP-E075SEE3	230V OEM Pump	FJM duct units (AJ0**JNLDCH/AA)

Filter Boxes	
Part Number	Description
FB-DS1, FB-DS2, FB-DS3	Filter box for Duct S units
FB-SLIM1	Filter box for 9 & 12K Slim Duct units (AC0**KNLDCH/AA)
FB-SLIM2	Filter box for 18K Slim Duct units (AC0**KNLDCH/AA)
VFB-1	Filter base with MERV8 filter for 18 & 24K Multi-Position air handling units (AC0**KNZDCH/AA)
VFB-2	Filter base with MERV8 filter for 30 & 36K Multi-Position air handling units (AC0**KNZDCH/AA)
VFB-3	Filter base with MERV8 filter for 42-54K Multi-Position air handling units (AC0**KNZDCH/AA)

Supplemental Electric Heat Kits for the Multi-Position Air Handler							
Multi-Position Air Handler Model Number	VHK-103A	VHK-105A	VHK-205A	VHK-210A	VHK-305A	VHK-310A	VHK-315A
	3kW	5kW	5kW	10kW	5kW	10kW	15kW
AC018KNZDCH/AA	•	•					
AC024KNZDCH/AA	•	•					
AC030KNZDCH/AA			•	•			
AC036KNZDCH/AA			•	•			
AC042KNZDCH/AA					•	•	
AC048KNZDCH/AA					•	•	
AC054KNZDCH/AA					•	•	•

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WIND BAFFLES

Front

Baffle Model	ODU Model	ODU Model type
WBF-1M2	AC036JXADCH/AA	Light Commercial
	AC042JXADCH/AA	Light Commercial
	AC048JXADCH/AA	Light Commercial
WBF-2M	AC024MXSCCC/AA	-40° Low Ambient Cooling
	AC030MXSCCC/AA	-40° Low Ambient Cooling
	AC036MXSCCC/AA	-40° Low Ambient Cooling
	AJ036JCJ5CH/AA	Free Joint Multi
	AJ020MCS3CH/AA	Free Joint Multi Max Heat®
	AJ024MCS4CH/AA	Free Joint Multi Max Heat®
	AJ030MCS4CH/AA	Free Joint Multi Max Heat®
	AC024JXADCH/AA	Light Commercial
	AC030JXADCH/AA	Light Commercial
	AR24NSWXCWKXCV	Wind-Free™*
WBF-3M	AR09KSWDHWKXCV	Smart Pearl
	AR12KSWDHWKXCV	Smart Pearl
	AR09KSWSJWKXCV	Smart Whisper
	AR12KSWSJWKXCV	Smart Whisper
	AR09MSWXCWKXCV	Wind-Free™*
	AR12MSWXCWKXCV	Wind-Free™*
	AR09KSWSPWKXCV	Smart Whisper Max Heat®
	AR12KSWSPWKXCV	Smart Whisper Max Heat®
	AR09KSFPDWQXCV	Quantum 17 SEER
	AR12KSFPDWQXCV	Quantum 17 SEER
	AC009KXADCH/AA	Light Commercial
	AC012KXADCH/AA	Light Commercial
WBF-4M	AQX36VFUAGM/CV	MAX
	AR18KSWSJWKXCV	Smart Whisper
	AR18KSFPDWQXCV	Quantum 17 SEER
	AR24KSWSJWKXCV	Smart Whisper
	AR24KSFPDWQXCV	Quantum 17 SEER
	AJ020JCJ2CH/AA	Free Joint Multi
	AJ024JCJ3CH/AA	Free Joint Multi
	AC018JXADCH/AA	Light Commercial
	AC018KXADCH/AA	Light Commercial
	AR18NSWXCWKXCV	Wind-Free™*
WBF-5M	AC018MXSCCC/AA	-40° Low Ambient Cooling
WBF-6M	AC030JXSCCH/AA	Light Commercial Max Heat®
	AC036JXSCCH/AA	Light Commercial Max Heat®
	AC054KXADCH/AA	Light Commercial

Back

Baffle Model	ODU Model	ODU Model type
WBB-1M	AJ020JCJ2CH/AA	Free Joint Multi
	AJ024JCJ3CH/AA	Free Joint Multi
WBB-2M	AC036JXADCH/AA	Light Commercial
	AC042JXADCH/AA	Light Commercial
	AC048JXADCH/AA	Light Commercial
WBB-3M	AC024JXADCH/AA	Light Commercial
	AC030JXADCH/AA	Light Commercial
	AC030MXSCCC/AA	-40° Low Ambient Cooling
	AC036MXSCCC/AA	-40° Low Ambient Cooling
	AJ036JCJ5CH/AA	Free Joint Multi
	AJ020MCS3CH/AA	Free Joint Multi Max Heat®
	AJ024MCS4CH/AA	Free Joint Multi Max Heat®
	AJ030MCS4CH/AA	Free Joint Multi Max Heat®
	AR24NSWXCWKXCV	Wind-Free™*
WBB-4M	AC030JXSCCH/AA	Light Commercial Max Heat®
	AC036JXSCCH/AA	Light Commercial Max Heat®
	AC054KXADCH/AA	Light Commercial
WBB-5M	AR09MSWXCWKXCV	Wind-Free™*
	AR12MSWXCWKXCV	Wind-Free™*
	AR09KSWSJWKXCV	Smart Whisper
	AR12KSWSJWKXCV	Smart Whisper
	AR09KSFPDWQXCV	Quantum 17 SEER
	AR12KSFPDWQXCV	Quantum 17 SEER
	AR09KSWSPWKXCV	Smart Whisper Max Heat®
	AR12KSWSPWKXCV	Smart Whisper Max Heat®
	AC009KXADCH/AA	Light Commercial
	AC012KXADCH/AA	Light Commercial
WBB-6M	AR18KSFPDWQXCV	Quantum 17 SEER
	AR09KSWDHWKXCV	Smart Pearl
	AR12KSWDHWKXCV	Smart Pearl
	AC018KXADCH/AA	Light Commercial
	AC018JKADCH/AA	Light Commercial
	AC018MXSCC/AA	-40° Low Ambient Cooling
WBB-7M	AR24KSFPDWQXCV	Quantum 17 SEER
	AR18KSWSJWKXCV	Smart Whisper
	AC024MXSCCC/AA	-40° Low Ambient Cooling
	AR18NSWXCWKXCV	Wind-Free™*
WBB-9M	AQX36VFUAGM/CV	Max
WBB-10M	AR24KSWSJWKXCV	Smart Whisper

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CONTROLS

System	Description	Part Number
Residential Single Zone Systems	Standard Wired Controller and Connection Kit (Excluding Novus and MAX models)	AR-WRS02
	Standard Wired Controller and Connection Kit (MAX models only)	AQN-WRS02
	Premium Wired Controller and Connection Kit (Excluding Novus and MAX models)	AR-WRP2
	Premium Wired Controller and Connection Kit (MAX models only)	AQN-WRP2
	External Contact Control Module (Excluding Novus Models)	MIM-B14
Residential Multi-Zone Systems	Wireless Controller (Wind-Free™* Mini 4-Way Cassette models)	AR-EH03U
	Wireless Signal Receiver (Slim Duct models)	MRK-A10N
	Wi-Fi Adapter	MIM-H04U
	Standard Wired Controller and Connection Kit (Whisper models only)	AR-WRS02
	Standard Wired Controller (Slim Duct models)	MWR-WH02
	Standard Wired Controller (Wind-Free™* 4-Way Cassette models)	MWR-WH00U
	Premium Wired Controller and Connection Kit (Whisper models only)	AR-WRP2
	Premium Wired Controller (Slim Duct and Wind-Free™* Mini 4-Way Cassette models)	MWR-WE13U
	External Contact Control Module	MIM-B14
	External Temperature Sensor	MRW-TA
	Central Control Interface Module for Connection to DVM S NASA Central Controls	MIM-N01
	Central Control Interface Module for Connection to DVM Plus Central Controls	MIM-B13D
Residential/ Light Commercial Single Zone Systems	Wireless Remote Controller (Excluding 360 Cassette models)	AR-EH03U
	Wireless Remote Controller (360 Cassette models only)	AR-KH03U
	Wireless Signal Receiver (Duct models only)	MRK-A10N
	Wi-Fi Adapter	MIM-H04UN
	Touchscreen Controller	MWR-SH11UN
	Premium Wired Controller	MWR-WE13UN
	External Contact Control Module	MIM-B14
	External Temperature Sensor	MRW-TA
	Central Control Interface Module for Connection to DVM S NASA Central Controls	MIM-N01
	Central Control Interface Module for Connection to DVM Plus Central Controls	MIM-B13D

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FASCIA PANELS

360 Cassette Fascia Panels		
Ceiling Type (Square)	Part Number (White)	PC4NUDMUN
	Part Number (Black)	PC4NBDMUN
	Size (L x W x H)	39 3/8 X 39 3/8 X 2 5/8 in.
	Weight	7.94 lbs
Open Type (Circle)	Part Number (White)	PC4NUNMUN
	Part Number (Black)	PC4NBNMUN
	Size (L x W x H)	41 5/16 X 3 3/8 in.
	Weight	5.95 lbs

Wind-Free™* 4-Way Cassette Fascia Panel	
Part Number	PC4NUFMUN
Size (L x W x H)	37 3/8 x 37 3/8 x 2 1/2 in.
Weight	13.88 lbs

Wind-Free™* Mini 4-Way Cassette Fascia Panel	
Part Number	PC4SUFMUN
Size (L x W x H)	24 3/8 X 2 1/4 X 24 3/8 in.
Weight	5.95 lbs

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PRODUCT OVERVIEW

Main Features	Model Name	Available Capacities	Efficiency	ENERGY STAR® Models	Wi-Fi Capable	Outdoor Operating Temperature (Heating Mode)
Residential Single Zone Systems						
WORKS WITH SmartThings	Wind-Free™*	9K, 12K, 18K, and 24K	SEER: Up to 21 HSPF: Up to 10	Excludes 12K model	Standard	5 - 75°F
WORKS WITH SmartThings	Smart Pearl	9K and 12K	SEER: Up to 28.1 HSPF: Up to 12	All models	Standard	5- 75°F
WORKS WITH SmartThings	Smart Whisper	9K, 12K, 18K, and 24K	SEER: Up to 23 HSPF: Up to 10.7	All models	Standard	5 - 75°F
	Novus	9K and 12K	SEER: Up to 20 HSPF: Up to 9.8	All models	Not available	5 - 75°F
	Quantum 17 SEER	9K, 12K, 18K, and 24K	SEER: Up to 17 HSPF: Up to 9	9K Btu/h model only	Not available	5 - 75°F
	MAX**	36K	SEER: Up to 18 HSPF: Up to 9	None	Not available	5 - 75°F
WORKS WITH SmartThings	Smart Whisper Max Heat®	9K, 12K, 18K, and 24K	SEER: Up to 23.5 HSPF: Up to 10.5	All models	Standard	-13 - 75°F
Residential Multi Zone Systems						
WORKS WITH SmartThings	Free Joint Multi (FJM)	18K, 24K, and 36K	SEER: Up to 18.5 HSPF: Up to 10.5	None	Optional	5 - 75°F
WORKS WITH SmartThings	Free Joint Multi (FJM) Max Heat®	20K, 24K, and 30K	SEER: Up to 19 HSPF: Up to 11	Non-ducted indoor units only	Optional	-13 - 75°F
Light Commercial Single Zone Systems						
WORKS WITH SmartThings	Slim Duct	9K, 12K, and 18K	SEER: Up to 21 HSPF: Up to 10.5	9K Btu/h model only	Optional	-4 - 76°F
WORKS WITH SmartThings	Duct S	18K, 24K, 30K, 36K, 42K, and 48K	SEER: Up to 20 HSPF: Up to 10.6	None	Optional	-4 - 76°F
WORKS WITH SmartThings	Wind-Free™* 4-Way Cassette	18K, 24K, 30K, 36K, 42K, and 48K	SEER: Up to 20.5 HSPF: Up to 10	None	Optional	-4 - 76°F
WORKS WITH SmartThings	360 Cassette	18K, 24K, 30K, 36K, 42K, and 48K	SEER: Up to 20.7 HSPF: Up to 10	None	Optional	-4 - 76°F
WORKS WITH SmartThings	Multi-Position Air Handler	18K, 24K, 30K, 36K, 42K, 48K, and 54K	SEER: Up to 20.1 HSPF: 11.5	None	Optional	-4 - 76°F
WORKS WITH SmartThings	High Wall	12K, 18K, 24K, 30K, and 36K	SEER: Up to 19.5 HSPF: 10.8	None	Optional	-4 - 76°F
WORKS WITH SmartThings	-40° Low Ambient Cooling	18K, 24K, 30K, and 36K	SEER: Up to 19.7	None	Optional	N/A
WORKS WITH SmartThings	Wind-Free™* 4-Way Cassette Max Heat®	30K and 36K	SEER: Up to 21 HSPF: Up to 10.4	None	Optional	-13 - 76°F
WORKS WITH SmartThings	Duct S Max Heat™	30K and 36K	SEER: Up to 20 HSPF: Up to 10.4	None	Optional	-13 - 76°F
WORKS WITH SmartThings	Multi-Position Air Handler Max Heat®	30K and 36K	SEER: Up to 20.3 HSPF: 10.6	None	Optional	-13 - 76°F

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Select Models are ENERGY STAR® Labeled.
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Residential Multi-Zone and Light Commercial Single Zone systems require a Wi-Fi Adapter for wireless operation.
The SmartThings app is available for download on the Google™ Play store and App Store®. A network connection is required.
Samsung application account is necessary.

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**Models manufactured after 1/1/2015 qualify for the Enhanced 10 Year Warranty.

NOTES

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RLC Product Reference Guide

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