

SAMSUNG HVAC

RESIDENTIAL AND LIGHT COMMERCIAL
PRODUCT REFERENCE GUIDE



CONTENTS

RESIDENTIAL - SINGLE ZONE

- Wind-Free™
- Smart Pearl
- Smart Whisper
- Quantum
- MAX
- Novus

RESIDENTIAL - SINGLE ZONE **MAX HEAT SERIES**

- Smart Whisper **MAX HEAT**

LIGHT COMMERCIAL - SINGLE ZONE CAC (Ceiling Air Conditioner)

- Slim Duct
- Duct S
- 4-Way Cassette
- 360 Cassette
- Multi Position Air Handler

LIGHT COMMERCIAL - SINGLE ZONE CAC **MAX HEAT SERIES**

- Multi Position Air Handler **MAX HEAT**
- 4-Way Cassette **MAX HEAT**
- HSP Duct **MAX HEAT**

MULTI ZONE

- Free Joint Multi - Outdoor
- Free Joint Multi - Indoor

- Accessories
- Controls
- Fascia Panels

Publication No. RLCRG 05.2017-V3

PLEASE NOTE:

Samsung HVAC maintains a policy of constant product improvements, all specifications are subject to change without prior notice.

samsunghvac.com

©2017. Samsung HVAC - a wholly owned subsidiary of Samsung Electronics of America. All information contained herein is confidential and proprietary to Samsung HVAC and, accordingly, this material is not to be reproduced in whole or in part or used for any purpose except as authorized by Samsung HVAC. It is to be treated as strictly confidential and not disclosed directly or indirectly to any other person, firm or entity.

SAMSUNG

		Wind-Free™	
System	Indoor Unit	AR09MSWXCWNCV	AR12MSWXCWNCV
	Outdoor Unit	AR09MSWXCWXC	AR12MSWXCWXC
Capacity (Btu/h)*	Cooling Capacity (Nominal)	9,000	12,000
	Cooling Range	2,200 - 11,000	2,200 - 13,600
	Heating Capacity (Nominal)	11,000	13,600
	Heating Range	3,000 - 13,600	3,000 - 16,500
Performance	SEER	21.0	19.5
	EER	14.05	11.4
	COP	3.75	3.62
	HSPF	10	9.5
Fan	CFM (L/M/H/Turbo)	212/254/290/325	226/268/314/350
Power	Volt / Phase / Hz	208-230 / 1 / 60	208-230 / 1 / 60
	MCA	11.1	11.1
	Max. Breaker	15	15
Pipe Connections	High x Low Side	1/4 x 3/8 in.	1/4 x 3/8 in.
	Max. Length	49 ft.	49 ft.
	Max Vertical	26 ft.	26 ft.
Refrigerant	R-410a Charge	38.8 oz.	38.8 oz.
	Charged For	25 ft.	25 ft.
Indoor Unit Dimensions	Height	10 1/2 in.	10 1/2 in.
	Width	32 5/8 in.	32 5/8 in.
	Depth	10 7/16 in.	10 7/16 in.
	Weight	22.26 lbs	22.26 lbs
Outdoor Unit Dimensions	Height	21 9/16 in.	21 9/16 in.
	Width	31 1/8 in.	31 1/8 in.
	Depth	11 1/4 in.	11 1/4 in.
	Weight	72.75 lbs	72.75 lbs
Operating Temperatures	Cooling	14 – 115°F	14 – 115°F
	Heating	5 – 75°F	5 – 75°F



Warranty - 10 year compressor and parts, 1 year limited labor
Product registration required. Conditions apply.

The Samsung Smart Home App is available at iTunes® and Google Play®.

Only the 9K Btu model is Energy-Star rated (AR09MSWXCWNCV/AR09MSWXCWXC)

Proper sizing and installation of equipment is critical to achieve optimal 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 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 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

*Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB. Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.

		Smart Pearl	
System	Indoor Unit	AR09KSWDHWKNCV	AR12KSWDHWKNCV
	Outdoor Unit	AR09KSWDHWKXCV	AR12KSWDHWKXCV
Capacity (Btu/h)*	Cooling Capacity (Nominal)	9,000	12,000
	Cooling Range	3,100 - 13,000	3,100 - 13,600
	Heating Capacity (Nominal)	12,600	13,600
	Heating Range	2,700 - 20,800	2,700 - 22,500
Performance	SEER	28.1	26.1
	EER	15.8	14.1
	COP	4.34	4.30
	HSPF	12.0	11.5
Fan	CFM (L/M/H)	240 / 318 / 460	255 / 335 / 490
Power	Volt / Phase / Hz	208-230 / 1 / 60	208-230 / 1 / 60
	MCA	10.3 A	10.3 A
	Max. Breaker	15 A	15 A
Pipe Connections	High x Low Side	1/4 x 3/8 in.	1/4 x 3/8 in.
	Max. Length	50 ft.	50 ft.
	Max Vertical	26 ft.	26 ft.
Refrigerant	R-410a Charge	40.6 oz.	40.6 oz.
	Charged For	25 ft.	25 ft.
Indoor Unit Dimensions	Height	10-1/4 in.	10-1/4 in.
	Width	35-1/4 in.	35-1/4 in.
	Depth	10-1/4 in.	10-1/4 in.
	Weight	24.69 lbs.	24.69 lbs.
Outdoor Unit Dimensions	Height	25-1/8 in.	25-1/8 in.
	Width	34-5/8 in.	34-5/8 in.
	Depth	12-3/16 in.	12-3/16 in.
	Weight	88.18 lb.	88.18 lb.
Operating Temperatures	Cooling	(0**)14 – 115 °F	(0**)14 – 115 °F
	Heating	(-5***)5 – 75 °F	(-5***)5 – 75 °F



Warranty - 10 year compressor and parts, 1 year limited labor
Product registration required. Conditions apply.

The Samsung Smart Home App is available at iTunes® and Google Play®.

Proper sizing and installation of equipment is critical to achieve optimal 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

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

**Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

** With wind baffles

***When heating below 5°F, a field provided base pan heater may be required to prevent ice formation in bottom of unit (120W recommended)

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



		Smart Whisper			
System	Indoor Unit	AR09KSWSJWKNVCV	AR12KSWSJWKNVCV	AR18KSWSJWKNVCV	AR24KSWSJWKNVCV
	Outdoor Unit	AR09KSWSJWKXCV	AR12KSWSJWKXCV	AR18KSWSJWKXCV	AR24KSWSJWKXCV
Capacity (Btu/h)*	Cooling Capacity (Nominal)	9,000	12,000	18,000	22,000
	Cooling Range	3,378 - 10,918	3,378 - 13,648	5,459 - 23,884	8,871 / 31,732
	Heating Capacity (Nominal)	12,000	13,600	20,600	27,000
	Heating Range	3,378 - 17,742	3,378 - 20,472	4,094 - 27,296	7,506 - 39, 238
Performance	SEER	23.0	22.0	20.5	21.6
	EER	15	13.6	13.2	12.5
	COP	4.00	4.50	3.70	3.14
	HSPF	10.5	9.5	9.0	10.7
Fan	CFM (L/M/H)	240 / 318 / 459	255 / 335 / 487	350 / 460 / 640	390 / 480 / 670
Power	Volt / Phase / Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MCA	10.3 A	10.3 A	12.7 A	18.1 A
	Max. Breaker	15 A	15 A	20 A	30 A
Pipe Connections	High x Low Side	1/4 x 3/8 in.	1/4 x 3/8 in.	1/4 x 1/2 in.	1/4 x 5/8 in.
	Max. Length	50 ft.	50 ft.	98 ft.	98 ft.
	Max Vertical	26 ft.	26 ft.	50 ft.	50 ft.
Refrigerant	R-410a Charge	44.1 oz.	44.1 oz.	70.5 oz.	56.4 oz.
	Charged For	25 ft.	25 ft.	25 ft.	25 ft.
Indoor Unit Dimensions	Height	10-1/4 in.	10-1/4 in.	11-7/8 in.	11-7/8 in.
	Width	35-1/4 in.	35-1/4 in.	41-15/16 in.	41-15/16 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	Height	21-9/16 in.	21-9/16 in.	31-1/4 in.	38-1/16 in.
	Width	31-1/8 in.	31-1/8 in.	34-5/8 in.	34-5/8 in.
	Depth	11-1/4 in.	11-1/4 in.	12-1/4 in.	12-5/8 in.
	Weight	78.3 lbs.	78.3 lbs.	117 lbs.	158 lbs.
Operating Temperatures	Cooling	(5**)14 – 115°F	(5**)14 – 115°F	(5**)14 – 115°F	(5**)14 – 115°F
	Heating	(-5***)5 – 75 °F	(-5***)5 – 75 °F	(-5***)5 – 75 °F	(-5***)5 – 75 °F

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

**Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

** With wind baffles

*** Pan heater required when operating in conditions below 5°F in humid environments.

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

Warranty -
10 year compressor and parts, 1 year limited labor
Product registration required. Conditions apply.

The Samsung Smart Home App is available at iTunes® and Google Play®.

Proper sizing and installation of equipment is critical to achieve optimal 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

SMART WHISPER MAX HEAT REFERENCE GUIDE

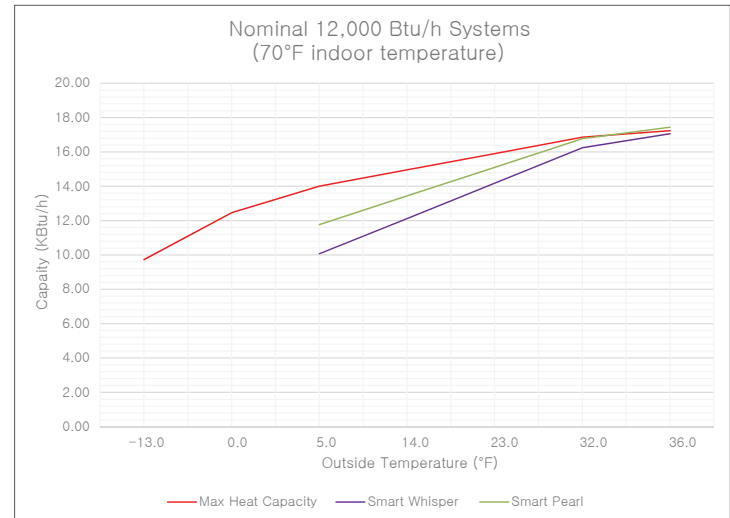
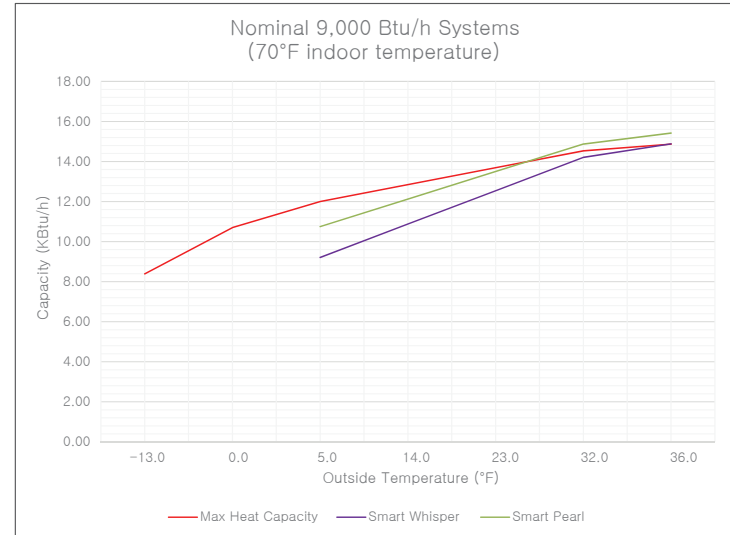


Smart Whisper MAX HEAT			
System	Indoor Unit	AR09KSWSPWKNCV	AR12KSWSPWKNCV
	Outdoor Unit	AR09KSWSPWKXCV	AR12KSWSPWKXCV
Capacity (Btu/h)*	Cooling Capacity (Nominal)	9,000	12,000
	Cooling Range	3,071 - 11,260	3,071 - 13,648
	Heating Capacity (Nominal)	12,000	14,000
	Heating Range	2,730 - 17,740	2,730 - 20,470
Performance	SEER	23.5	21.5
	EER	14.05	12.5
	COP	4.57	4.23
	HSPF	10.5	10.0
Fan	CFM (L/M/H)	270 / 330 / 400	310 / 370 / 430
Power	Volt / Phase / Hz	208-230 / 1 / 60	208-230 / 1 / 60
	MCA	10.5 A	10.5 A
	Max. Breaker	15 A	15 A
Pipe Connections	High x Low Side	1/4 x 3/8 in.	1/4 x 3/8 in.
	Max. Length	50	50
	Max Vertical	26 ft.	26 ft.
Refrigerant	R-410A Charge	42.3	42.3
	Charged For	25 ft.	25 ft.
Indoor Unit Dimensions	Height	10-1/4 in.	10-1/4 in.
	Width	35 - 1/4 in.	35 - 1/4 in.
	Depth	10 - 1/4 in.	10 - 1/4 in.
	Weight	24.69 lbs.	24.69 lbs.
Outdoor Unit Dimensions	Height	31 - 1/8 in.	31 - 1/8 in.
	Width	21 - 9/16 in.	21 - 9/16 in.
	Depth	11 - 1/4 in.	11-1/4 in.
	Weight	79.37 lb.	79.37 lb.
Operating Temperatures	Cooling	5 - 115°F	5 - 115°F
	Heating	-13 - 75°F	-13 - 75°F



MAX HEAT™

Smart Whisper Max Heat Performance Increase



Warranty - 10 year compressor and parts, 1 year limited labor
Product registration required. Conditions apply.

The Samsung Smart Home App is available at iTunes® and Google Play®.

Proper sizing and installation of equipment is critical to achieve optimal 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

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.
*Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.
Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.

QUANTUM 17 SEER REFERENCE GUIDE



		Quantum 17 SEER			
System	Indoor Unit	AR09KSFPDWQNCV	AR12KSFPDWQNCV	AR18KSFPDWQNCV	AR24KSFPDWQNCV
	Outdoor Unit	AR09KSFPDWQXCV	AR12KSFPDWQXCV	AR18KSFPDWQXCV	AR24KSFPDWQXCV
Capacity (Btu/h)*	Cooling Capacity (Nominal)	9,000	12,000	18,000	22,000
	Cooling Range	3,000 - 11,260	3,000 - 13,500	5,500 - 20,500	6,100 - 27,300
	Heating Capacity (Nominal)	11,000	13,600	21,000	24,000
	Heating Range	4,000 - 12,800	4,000 - 14,500	4,100 - 23,200	4,400 - 28,000
Performance	SEER	17.0	17.0	17.0	17.0
	EER	12.5	10.5	11.45	10.05
	COP	3.62	3.26	3.44	3.07
	HSPF	9.0	8.5	9.0	9.0
Fan	CFM (Max)	355.0	390.0	640.0	700.0
Power	Volt / Phase / Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MCA	10.5	10.5	14.5	19.0
	Max. Breaker	15	15	20	25
Pipe Connections	High x Low Side	1/4 x 3/8 in.	1/4 x 3/8 in.	1/4 x 1/2 in.	1/4 x 5/8 in.
	Max. Length	49	49	98	98
	Max Vertical	26 ft.	26 ft.	49 ft.	49 ft.
Refrigerant	R-410a Charge	31.7 oz.	31.7 oz.	40.6 oz.	51.2 oz.
	Charged For	25 ft.	25 ft.	25 ft.	25 ft.
Indoor Unit Dimensions	Height	11-1/4 in.	11-1/4 in.	11-3/4 in.	11-3/4 in.
	Width	32-1/4 in.	32-1/4 in.	41-15/16 in.	41-15/16 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	Height	21-9/16 in.	21-9/16 in.	25-9/16 in.	31-11/16 in.
	Width	31-1/8 in.	31-1/8 in.	35-1/2 in.	35-7/16 in.
	Depth	11-1/4 in.	11-1/4 in.	12-1/16 in.	14-3/16 in.
	Weight	62.83 lbs.	62.83 lbs.	95.9 lbs.	115.74 lbs.
Operating Temperatures	Cooling	14 - 115 °F	14 - 115 °F	14 - 115 °F	14 - 115 °F
	Heating	5 - 75 °F	5 - 75 °F	5 - 75 °F	5 - 75 °F

Only the 9K Btu model is Energy-Star rated (AR09KSFPDWQNCV/AR09KSFPDWQXCV)

Proper sizing and installation of equipment is critical to achieve optimal 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

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

*Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

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

MAX REFERENCE GUIDE



		Max
System	Indoor Unit	AQN36VFUAGM
	Outdoor Unit	AQX36VFUAGM
Capacity (Btu/h)*	Cooling Capacity (Nominal)	36,000
	Cooling Range	9,000 - 38,000
	Heating Capacity (Nominal)	43,000
	Heating Range	9,000 - 45,000
Performance	SEER	18.0
	EER	10.8
	COP	3.11
	HSPF	9.0
Fan	CFM (L/M/H)	580/750/920
Power	Volt / Phase / Hz	208-230 / 1 / 60
	MCA	19.5 A
	Max. Breaker	30 A
Pipe Connections	High x Low Side	1/4 x 5/8 in.
	Max. Length	164 ft.
	Max Vertical	98 ft.
Refrigerant	R-410a Charge	88.1 oz.
	Charged For	25 ft.
Indoor Unit Dimensions	Height	13-9/16 in.
	Width	50-3/8 in.
	Depth	10 in.
	Weight	40 lbs.
Outdoor Unit Dimensions	Height	45-7/8 in.
	Width	36-11/16 in.
	Depth	14-3/4 in.
	Weight	209 lb.
Operating Temperatures	Cooling	(0**)14 – 115°F
	Heating	5 – 75 °F

Warranty - 5 years compressor, 3 years parts, 120 days limited labor
Product registration required. Conditions apply.

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

*Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

** With wind baffles

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

		Novus					
System	Indoor Unit	AR09JSALBWKNCV	AR12JSALBWKNCV	AR09JSFLBWKNCV	AR12JSFLBWKNCV	AR18JSFLBWKNCV	AR24JSFLBWKNCV
	Outdoor Unit	AR09JSALBWKXCV	AR12JSALBWKXCV	AR09JSFLBWKXCV	AR12JSFLBWKXCV	AR18JSFLBWKXCV	AR24JSFLBWKXCV
Capacity (Btu/h)*	Cooling Capacity (Nominal)	9,000	12,000	9,000	12,000	18,000	22,000
	Cooling Range	5,000 - 12,500	5,000 - 14,500	5,000 - 12,500	5,000 - 14,500	8,500 - 20,000	10,000 - 27,000
	Heating Capacity (Nominal)	9000	12,000	9,000	12,000	19,000	24,000
	Heating Range	4,200 - 13,500	4,200 - 16,500	4,200 - 13,500	4,200 - 16,500	7,000 - 24,000	9,500 - 31,000
Performance	SEER	20.0	20.0	20.0	20.0	20.0	20.0
	EER	13.0	12.8	13.0	12.8	12.2	12.2
	COP	3.72	3.38	3.72	3.38	3.31	3.27
	HSPF	9.0	9.0	9.0	9.0	9.5	9.8
Fan	CFM (Turbo/L/M/H)	210 / 250 / 320 / 390	247 / 282 / 353 / 425	210 / 250 / 320 / 390	247 / 282 / 353 / 425	425 / 460 / 530 / 635	495 / 565 / 636 / 812
Power	Volt / Phase / Hz	115 / 1 / 60	115 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MCA	16 A	19 A	10 A	10 A	15 A	22 A
	Max. Breaker	25 A	30 A	15 A	15 A	25 A	30 A
Pipe Connections	High x Low Side	1/4 x 3/8 in.	1/4 x 3/8 in.	1/4 x 3/8 in.	1/4 x 3/8 in.	1/4 x 1/2 in.	3/8 x 5/8 in.
	Max. Length	50 ft.	50 ft.	50 ft.	50 ft.	50 ft.	50 ft.
	Max Vertical	16.4 ft.	16.4 ft.	16.4 ft.	16.4 ft.	16.4 ft.	16.4 ft.
Refrigerant	R-410a Charge	33.51 oz.	40.56 oz.	33.51 oz.	40.56 oz.	61.73 oz.	75.84 oz.
	Charged For	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.
Indoor Unit Dimensions	Height	11-1 / 32 in.	11-3/32 in.	11-1/32 in.	11-3/32 in.	12-5/16 in.	13-3/8 in.
	Width	31-1/2 in.	35-7/16 in.	31-1/2 in.	35-7/16 in.	40-11/16 in.	46-11/16 in.
	Depth	8-9/32 in.	8-29/32 in.	8-9/32 in.	8-29/32 in.	8 in.	10-1/4 in.
	Weight	20 lbs.	26.45 lbs.	19.84 lbs.	26.45 lbs.	28.66 lbs.	37.47 lbs.
Outdoor Unit Dimensions	Height	21-5/8 in.	23-13/16 in.	21-5/8 in.	23-13/16 in.	25-9/16 in.	31-11/16 in.
	Width	29-13/16 in.	30-13/16 in.	29-13/16 in.	30-13/16 in.	35-1/2 in.	35-7/16 in.
	Depth	10-1/16 in.	11-7/16 in.	10-1/16 in.	11-7/16 in.	12-1/16 in.	14-3/16 in.
	Weight	66.14 lbs.	77.16 lbs.	66.14 lbs.	77.16 lbs.	94.8 lbs.	136.69 lbs.
Operating Temperatures	Cooling	14 - 115 °F	14 - 115 °F	14 - 115 °F	14 - 115 °F	14 - 115 °F	14 - 115 °F
	Heating	5 - 75 °F	5 - 75 °F	5 - 75 °F	5 - 75 °F	5 - 75 °F	5 - 75 °F

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

*Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB. Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.

Proper sizing and installation of equipment is critical to achieve optimal 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

Only the 9K and 12K Btu models are Energy-Star rated (AR09JSALBWKNCV/AR09JSALBWKXCV and AR12JSALBWKNCV/AR12JSALBWKXCV)





		CAC - Slim Duct		
System	Indoor Unit	AC009KNLDCH/AA	AC012KNLDCH/AA	AC018KNLDCH/AA
	Outdoor Unit	AC009KXADCH/AA	AC012KXADCH/AA	AC018KXADCH/AA
Capacity (Btu/h)*	Cooling Capacity (Nominal)	9,000	12,000	18,000
	Cooling Range	3,200 - 12,000	3,400 - 15,300	5,000 - 21,000
	Heating Capacity (Nominal)	12,000	14,000	20,000
	Heating Range	2,900 - 14,000	3,000 - 16,200	3,800 - 22,000
Performance	SEER	21.0	20.0	19.5
	EER	13.95	12.0	10.7
	COP	2.98	3.16	2.96
	HSPF	10.5	10.5	9.7
Fan	CFM (LMH)	283 / 318 / 353	318 / 370 / 425	353 / 424 / 495
	Maximum Static Pressure	0.24 in. w.g.	0.24 in. w.g.	0.24 in. w.g.
Power	Volt / Phase / Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	MCA	10.6	10.6	12.7
	Max. Breaker	15 A	15 A	20 A
Pipe Connections	High x Low Side	1/4 x 3/8 in	1/4 x 3/8 in	1/4 x 1/2 in
	Max. Length	65.6 ft.	65.6 ft.	98.4 ft.
	Max Vertical	49 ft.	49 ft.	65.6 ft.
Refrigerant	R-410a Charge	37.04 oz.	37.04 oz.	45.86 oz.
	Charged For	25 ft.	25 ft.	25 ft.
Indoor Unit Dimensions	Height	7-13/16 in.	7-13/16 in.	7-13/16 in.
	Width	27-9/16 in.	27-9/16 in.	35-7/16 in.
	Depth	25-5/8 in.	25-5/8 in.	25-5/8 in.
	Weight	44.03 lb.	44.03 lb.	57.3 lbs.
Outdoor Unit Dimensions	Height	21-9/16 in.	21-9/16 in.	25-1/8 in.
	Width	31-1/8 in.	31-1/8 in.	34-5/8 in.
	Depth	11-1/4 in.	11-1/4 in.	12-3/16 in.
	Weight	65 lb.	65 lb.	98.11 lb.
Operating Temperatures	Cooling	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F
	Heating	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F

Warranty - 10 year compressor and parts, 1 year limited labor
Product registration required. Conditions apply.

Only the 9K Btu model is Energy-Star rated
(AC009KNLDCH/AA/AC009KXADCH/AA)

Proper sizing and installation of equipment is critical to achieve optimal 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

*Nominal cooling capacities are based on: Indoor temperature: 80° F DB, 67° F WB. Outdoor temperature: 95° F DB, 75° F WB.

*Nominal heating capacities are based on: Indoor temperature: 70° F DB, 60° F WB. Outdoor temperature: 47° F DB, 43° F WB.

** With wind baffles

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

		CAC - Duct S					
System	Indoor Unit	AC018MNHDC/AA	AC024MNHDC/AA	AC030MNHDC/AA	AC036MNHDC/AA	AC042MNHDC/AA	AC048MNHDC/AA
	Outdoor Unit	AC018JXADCH/AA	AC024JXADCH/AA	AC030JXADCH/AA	AC036JXADCH/AA	AC042JXADCH/AA	AC048JXADCH/AA
Capacity (Btu/h)*	Cooling Capacity (Nominal)	18,000	24,000	30,000	36,000	42,000	48,000
	Cooling Range	5,000 - 21,000	7,000 - 27,000	9,300 - 35,000	14,000 - 41,000	16,300 - 45,000	18,600 - 48,000
	Heating Capacity (Nominal)	20,000	27,000	32,000	40,000	47,000	53,000
	Heating Range	3,800 - 25,000	5,200 - 31,000	9,000 - 38,000	11,500 - 48,000	13,400 - 50,000	15,300 - 55,000
Performance	SEER	18.6	20.0	18.4	20.0	19.0	17.8
	EER	9.4	11.8	10.0	11.5	9.75	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
Fan	CFM (LMH)	353 / 477 / 600 (at standard ESP)	530 / 618 / 706 (at standard ESP)	671 / 777 / 883 (at standard ESP)	848 / 989 / 1,165 (at standard ESP)	1,024 / 1,130 / 1,236 (at standard ESP)	1,059 / 1,165 / 1,271 (at standard ESP)
	Maximum Static Pressure	0.6"WC	0.8"WC	0.8"WC	0.8"WC	0.8"WC	0.8"WC
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
	MCA	10	13.5	23	26.5	26.5	26.5
	Max. Breaker	15 A	20A	30A	40A	40A	40A
Pipe Connections	High x Low Side	1/4 x 1/2 in	1/4 x 5/8 in	3/8 x 5/8 in	3/8 x 5/8 in	3/8 x 5/8 in	3/8 x 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	R-410a 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.
Indoor Unit Dimensions	Height	9 13/16 in.	9 13/16 in.	9 13/16 in.	27 9/16 in.	27 9/16 in.	27 9/16 in.
	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.
	Depth	27 9/16 in.	27 9/16 in.	27 9/16 in.	11 13/16 in.	11 13/16 in.	11 13/16 in.
	Weight	68.8 lb.	89.3 lb.	89.3 lb.	99.6 lb.	99.6 lb.	99.6 lb.
Outdoor Unit Dimensions	Height	25 1/8 in.	39 11/16 in.	39 11/16 in.	48 in.	48 in.	48 in.
	Width	34 5/8 in.	37 in.	37 in.	37 in.	37 in.	37 in.
	Depth	12 1/4 in.	12 3/4 in.	12 3/4 in.	13 in.	13 in.	13 in.
	Weight	99 lb.	142 lb.	154 lb.	194 lb.	194 lb.	194 lb.
Operating Temperatures	Cooling	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F
	Heating	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

*Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

** With wind baffles

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

Warranty - 10 year compressor and parts, 1 year limited labor
Product registration required. Conditions apply.



4 WAY CASSETTE REFERENCE GUIDE



		CAC - 4 Way Cassette					
System	Indoor Unit	AC018JN4DCH/AA	AC024JN4DCH/AA	AC030JN4DCH/AA	AC036JN4DCH/AA	AC042JN4DCH/AA	AC048JN4DCH/AA
	Outdoor Unit	AC018JXADCH/AA	AC024JXADCH/AA	AC030JXADCH/AA	AC036JXADCH/AA	AC042JXADCH/AA	AC048JXADCH/AA
Capacity (Btu/h)*	Cooling Capacity (Nominal)	18,000	24,000	30,000	36,000	42,000	48,000
	Cooling Range	5,000 - 21,000	7,000 - 27,000	9,300 - 35,000	14,000 - 40,000	16,300 - 45,000	18,600 - 51,000
	Heating Capacity (Nominal)	20,000	27,000	32,000	40,000	47,000	53,000
	Heating Range	3,800 - 25,000	5,200 - 31,000	9,000 / 38,000	11,500 - 48,000	13,400 - 50,000	15,300 - 55,000
Performance	SEER	20.1	20.5	19.2	20.5	19.6	18.8
	EER	11.7	11.4	10.4	12.1	10.4	9.7
	COP	3.66	3.17	3.02	3.37	3.17	3.08
	HSPF	10	9.7	9.8	9.5	9.5	9.5
Fan	CFM (LMH)	460 / 550 / 600	500 / 580 / 640	700 / 800 / 900	840 / 960 / 1180	900 / 1010 / 1250	950 / 1040 / 1300
	Maximum Static Pressure	N/A	N/A	N/A	N/A	N/A	N/A
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
	MCA	8.6 A	12.6 A	23.2 A	25.5 A	25.5 A	25.5 A
	Max. Breaker	15 A	20 A	30 A	35 A	35 A	35 A
Pipe Connections	High x Low Side	1/4 x 1/2 in	1/4 x 5/8 in	3/8 x 5/8 in	3/8 x 5/8 in	3/8 x 5/8 in	3/8 x 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	R-410a 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.
Indoor Unit Dimensions	Height	8 in.	8 in.	11-5/16 in.	11-5/16 in.	11-5/16 in.	11-5/16 in.
	Width	33 in.	33 in.	33 in.	33 in.	33 in.	33 in.
	Depth	33 in.	33 in.	33 in.	33 in.	33 in.	33 in.
	Weight	33.7 lb.	33.7 lb.	41.89 lb.	41.89 lb.	41.89 lb.	41.89 lb.
Outdoor Unit Dimensions	Height	25-1/8 in.	39-11/16 in.	39-11/16 in.	48 in.	48 in.	48 in.
	Width	34-5/8 in.	37 in.	37 in.	37 in.	37 in.	37 in.
	Depth	12-1/4 in.	12-3/4 in.	12-3/4 in.	13 in.	13 in.	13 in.
	Weight	99 lb.	142 lb.	154 lb.	194 lb.	194 lb.	194 lb.
Operating Temperatures	Cooling	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F
	Heating	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F

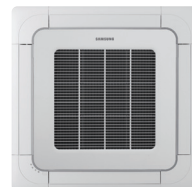
*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

*Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

** With wind baffles

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

Warranty - 10 year compressor and parts, 1 year limited labor
Product registration required. Conditions apply.



360 CASSETTE REFERENCE GUIDE



		CAC - 360 Cassette					
System	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
Capacity (Btu/h)*	Cooling Capacity (Nominal)	18,000	24,000	30,000	36,000	42,000	48,000
	Cooling Range	5,000 - 21,000	7,000 - 27,000	9,300 - 35,000	14,000 - 40,000	16,300 - 45,000	18,600 - 51,000
	Heating Capacity (Nominal)	20,000	27,000	32,000	40,000	47,000	53,000
	Heating Range	3,800 - 25,000	5,200 - 31,000	9,000 / 38,000	11,500 - 48,000	13,400 - 50,000	15,300 - 55,000
Performance	SEER	20.1	20.5	19.2	20.7	19.7	19.0
	EER	11.4	11.1	10.4	12	10	8.9
	COP	3.7	3.2	3.06	3.4	3.04	3.02
	HSPF	10	10	9.9	9.7	9.5	9.5
Fan	CFM (LMH)	480 / 547 / 646	480 / 547 / 646	632 / 741 / 904	710 / 943 / 1179	745 / 981 / 1218	822 / 1024 / 1257
	Maximum Static Pressure	N/A	N/A	N/A	N/A	N/A	N/A
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
	MCA	8.09 A	12.06 A	19.71 A	22.56 A	22.56 A	22.56 A
	Max. Breaker	15 A	20 A	30 A	35 A	35 A	35 A
Pipe Connections	High x Low Side	1/4 x 1/2 in	1/4 x 5/8 in	3/8 x 5/8 in	3/8 x 5/8 in	3/8 x 5/8 in	3/8 x 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	R-410a 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.
Indoor Unit Dimensions	Height	11 in.	11 in.	14-3/8 in.	14-3/8 in.	14-3/8 in.	14-3/8 in.
	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.
	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	46.3 lbs	46.36 lbs.	52.91 lbs.	52.91 lbs.	52.91 lbs.	52.91 lbs.
Outdoor Unit Dimensions	Height	25-1/8 in.	39-11/16 in.	39-11/16 in.	48 in.	48 in.	48 in.
	Width	34-5/8 in.	37 in.	37 in.	37 in.	37 in.	37 in.
	Depth	12-1/4 in.	12-3/4 in.	12-3/4 in.	13 in.	13 in.	13 in.
	Weight	99 lb.	142 lb.	154 lb.	194 lb.	194 lb.	194 lb.
Operating Temperatures	Cooling	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F
	Heating	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F

Please note that the Fascia Panel for the 360 Cassette must be purchased separately (see panels in accessories section).

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

*Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

** With wind baffles

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

Warranty - 10 year compressor and parts, 1 year limited labor
Product registration required. Conditions apply.



MULTI POSITION AIR HANDLER REFERENCE GUIDE



		CAC - Multi Position AHU						
System	Indoor Unit	AC018KNZDCH/AA	AC024KNZDCH/AA	AC030KNZDCH/AA	AC036KNZDCH/AA	AC042KNZDCH/AA	AC048KNZDCH/AA	AC054KNZDCH/AA
	Outdoor Unit	AC018JXADCH/AA	AC024JXADCH/AA	AC030JXADCH/AA	AC036JXADCH/AA	AC042JXADCH/AA	AC048JXADCH/AA	AC054KXADCH/AA
Capacity (Btu/h)*	Cooling Capacity (Nominal)	18,000	24,000	30,000	36,000	42,000	48,000	54,000
	Cooling Range	5,000 - 21,000	7,000 - 27,000	10,000 - 33,000	14,000 - 39,000	17,000 - 44,000	19,000 - 50,000	21,000 - 55,000
	Heating Capacity (Nominal)	20,000	27,000	32,000	40,000	47,000	53,000	60,000
	Heating Range	4,400 - 24,000	6,700 - 29,000	9,000 - 36,000	12,000 - 43,000	14,000 - 49,000	16,000 - 55,000	21,000 - 62,000
Performance	SEER	20.1	19.5	19.6	19.0	18.4	18.0	17.1
	EER	11.25	11	10.15	11.4	10.15	9.6	8.05
	COP	2.92	3.0	3.33	3.24	3.26	3.14	3.03
	HSPF	10	11.5	10.4	10.2	9.6	9.7	9
Fan	CFM (LMH)	495 / 530 / 600	547 / 635 / 760	847 / 918 / 1006	883 / 1042 / 1165	1060 / 1165 / 1271	1130 / 1271 / 1413	1342 / 1501 / 1890
	Maximum Static Pressure	0.80 in. w.g.	0.80 in. w.g.	1.0 in. w.g.	1.0 in. w.g.	1.0 in. w.g.	1.0 in. w.g.	1.0 in. w.g.
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	208-230 / 1 / 60
	MCA	9.40 A	13.58 A	21.7 A	26.4 A	26.4 A	26.4 A	41.64 A
	Max. Breaker	15 A	20 A	35 A	40 A	40 A	40 A	70 A
Pipe Connections	High x Low Side	1/4 x 1/2 in.	1/4 x 5/8 in.	3/8 x 5/8 in.	3/8 x 5/8 in.	3/8 x 5/8 in.	3/8 x 5/8 in.	3/8 x 3/4 in.
	Max. Length	98 ft.	164 ft.	164 ft.	246 ft.	246 ft.	246 ft.	246 ft.
	Max Vertical	66 ft.	98 ft.	98 ft.	98 ft.	98 ft.	98 ft.	98 ft.
Refrigerant	R-410a Charge	45.86 oz.	74.08 oz.	91.71 oz.	98.77 oz.	98.77 oz.	98.77 oz.	123.52 oz.
	Charged For	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.
Indoor Unit Dimensions	Height	43 in.	43 in.	48 in.	48 in.	58-3/4 in.	58-3/4 in.	58-3/4 in.
	Width	17-1/2 in.	17-1/2 in.	21 in.	21 in.	24-1/2 in.	24-1/2 in.	24-1/2 in.
	Depth	21 in.	21 in.	21 in.	21 in.	21-3/4 in.	21-3/4 in.	21-3/4 in.
	Weight	98.1 lbs	98.11 lbs	123.46 lbs.	123.46 lbs.	163.14 lbs.	163.14 lbs.	163.14 lbs.
Outdoor Unit Dimensions	Height	25-1/8 in.	39-11/16 in.	39-11/16 in.	48 in.	48 in.	48 in.	56 in.
	Width	34-5/8 in.	37 in.	37 in.	37 in.	37 in.	37 in.	37 in.
	Depth	12-1/4 in.	13 in.	13 in.	13 in.	13 in.	13 in.	13 in.
	Weight	99 lbs.	142 lbs.	154 lbs.	194 lbs.	194 lbs.	194 lbs.	211.6 lbs.
Operating Temperatures	Cooling	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F
	Heating	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

*Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

** With wind baffles

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

Warranty - 10 year compressor and parts, 1 year limited labor
Product registration required. Conditions apply.



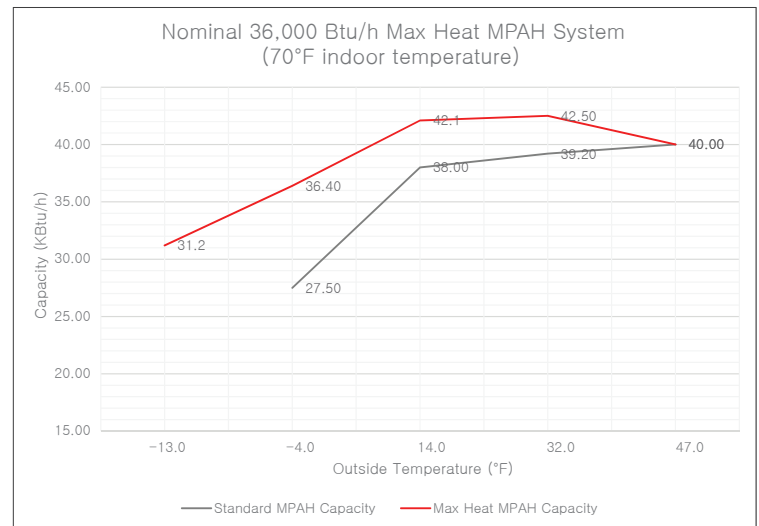
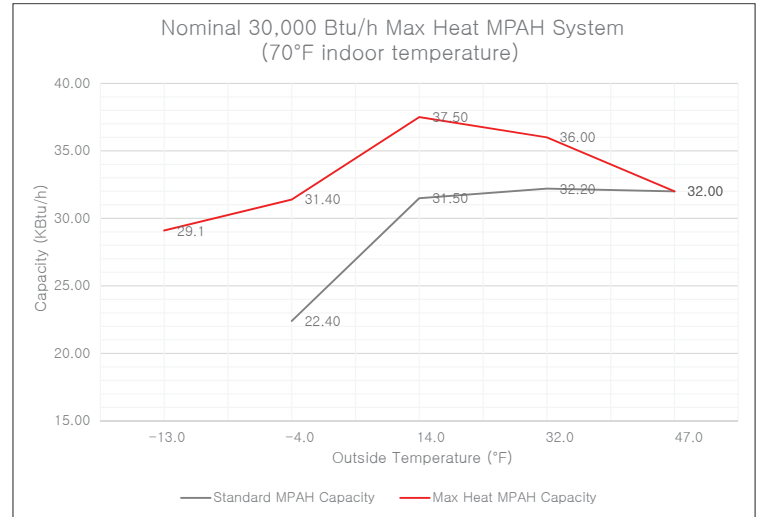
MULTI POSITION AIR HANDLER MAX HEAT REFERENCE GUIDE



CAC Multi-Position AHU Max Heat			
System	Indoor Unit	AC030KNZDCH/AA	AC036KNZDCH/AA
	Outdoor Unit	AC030JXSCCH/AA	AC036JXSCCH/AA
Capacity (Btu/h)*	Cooling Capacity (Nominal)	30,000	36,000
	Cooling Range	14,000 – 36,000	14,000 – 42,000
	Heating Capacity (Nominal)	32,000	40,000
	Heating Range	11,500 – 39,000	12,000 – 48,000
Performance	SEER	20.3	20.0
	EER	12.2	11
	COP	3.45	3.32
	HSPF	10.6	10.4
Fan	CFM (LMH)	848 / 918 / 1,007	883 / 1,042 / 1,165
	Maximum Static Pressure	1.0 in. w.g.	1.0 in. w.g.
Power	Volt / Phase / Hz	208-230 / 1 / 60	208-230 / 1 / 60
	MCA	32 A	32 A
	Max. Breaker	45 A	45 A
Pipe Connections	High x Low Side	3/8 x 5/8 in	3/8 x 5/8 in
	Max. Length	246 ft.	246 ft.
	Max Vertical	98 ft.	98 ft.
Refrigerant	R-410a Charge	102.29 oz.	102.29 oz.
	Charged For	25 ft.	25 ft.
Indoor Unit Dimensions	Height	48 in.	48 in.
	Width	21 in.	21 in.
	Depth	21 in.	21 in.
	Weight	123.5 lbs.	123.5 lbs.
Outdoor Unit Dimensions	Height	55-7/8 in.	55-7/8 in.
	Width	37 in.	37 in.
	Depth	13 in.	13 in.
	Weight	211.64 lbs.	211.64 lbs.
Operating Temperatures	Cooling	(-4**) 23 – 115 °F	(-4**) 23 – 115 °F
	Heating	-13 – 76 °F	-13 – 76 °F



MPAH Max Heat Performance Increase



¹ Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

² Refer to installation manual for full fan curve details

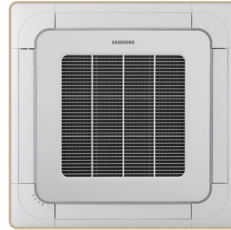
Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.

Warranty - 10 year compressor and parts, 1 year limited labor
Product registration required. Conditions apply.

4 WAY CASSETTE MAX HEAT REFERENCE GUIDE

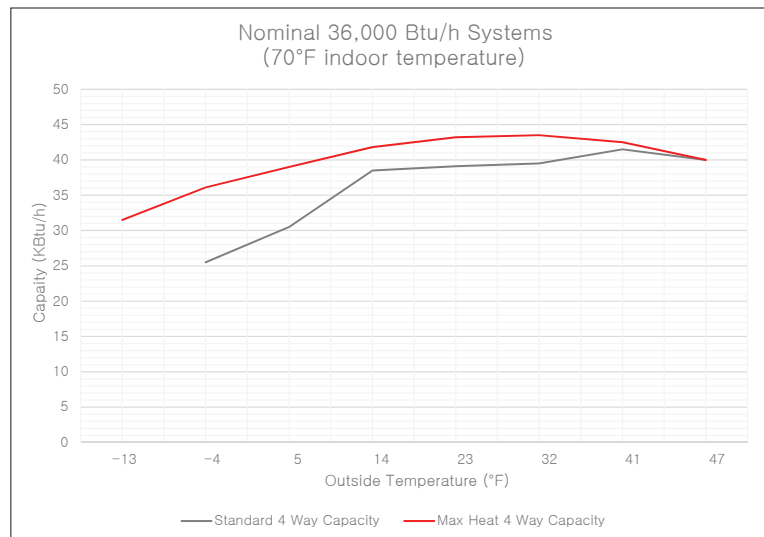
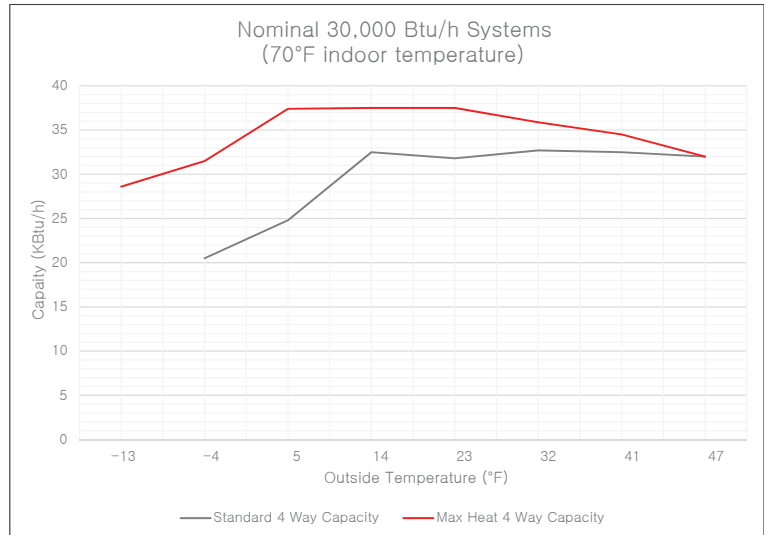


		4 Way Cassette Max Heat	
System	Indoor Unit	AC030JN4DCH/AA	AC036JN4DCH/AA
	Outdoor Unit	AC030JXSCCH/AA	AC036JXSCCH/AA
Capacity (Btu/h)*	Cooling Capacity (Nominal)	30,000	36,000
	Cooling Range	13,000 - 36,000	14,000 - 42,000
	Heating Capacity (Nominal)	32,000	40,000
	Heating Range	11,000 - 39,000	12,000 - 48,000
Performance	SEER	21.0	20.0
	EER	13.1	12.9
	COP	3.84	3.64
	HSPF	10.1	10.4
Fan	CFM (LMH)	600 / 720 / 840	812 / 928 / 1120
	Maximum Static Pressure	N/A	N/A
Power	Volt / Phase / Hz	208-230 / 1 / 60	208-230 / 1 / 60
	MCA	32	32
	Max. Breaker	45 A	45 A
Pipe Connections	High x Low Side	3/8 x 5/8 in	3/8 x 5/8 in
	Max. Length	246 ft.	246 ft.
	Max Vertical	98 ft.	98 ft.
Refrigerant	R-410a Charge	102.29 oz.	102.29 oz.
	Charged For	25 ft.	25 ft.
Indoor Unit Dimensions	Height	11-5/16 in.	11-5/16 in.
	Width	33 in.	33 in.
	Depth	33 in.	33 in.
	Weight	41.89 lb.	41.89 lb.
Outdoor Unit Dimensions	Height	55-7/8 in.	55-7/8 in.
	Width	37 in.	37 in.
	Depth	13 in.	13 in.
	Weight	211.64 lb.	211.64 lb.
Operating Temperatures	Cooling	(0**) 23 – 115 °F	(0**) 23 – 115 °F
	Heating	-13 – 76 °F	-13 – 76 °F



MAX HEAT™

4 Way Cassette Max Heat Performance Increase



Warranty - 10 year compressor and parts, 1 year limited labor
Product registration required. Conditions apply.

Proper sizing and installation of equipment is critical to achieve optimal 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

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.
*Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

** With wind baffles

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

HIGH STATIC PRESSURE (HSP) DUCT MAX HEAT REFERENCE GUIDE

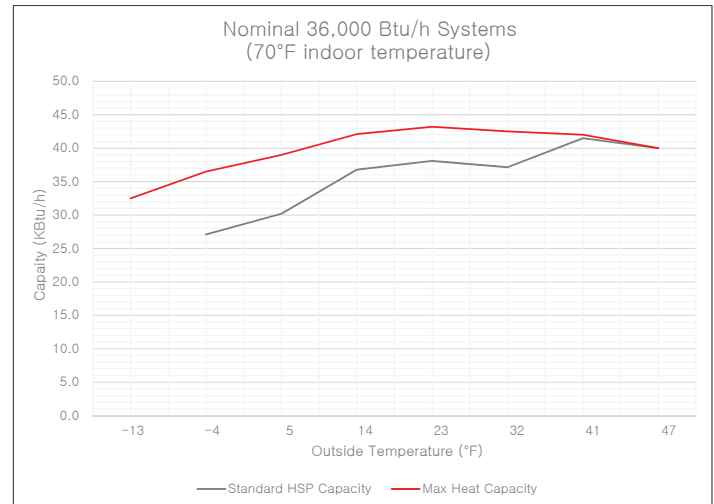
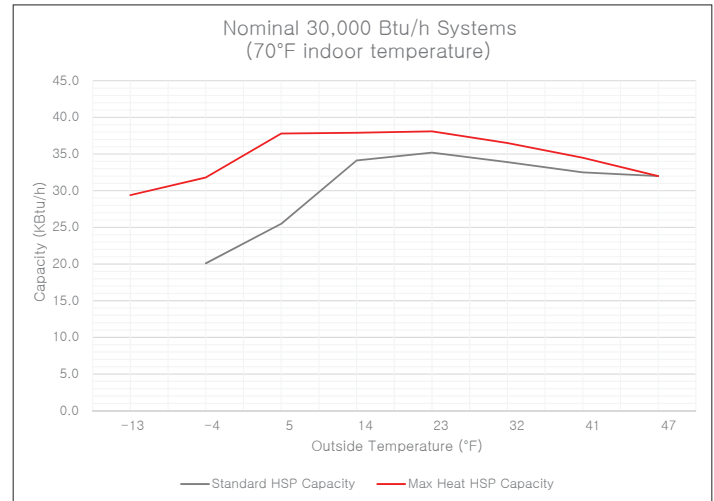


		HSP Duct Max Heat	
System	Indoor Unit	AC030JNHDCH/AA	AC036JNHDCH/AA
	Outdoor Unit	AC030JXSCCH/AA	AC036JXSCCH/AA
Capacity (Btu/h)*	Cooling Capacity (Nominal)	30,000	36,000
	Cooling Range	13,000 - 36,000	14,000 - 42,000
	Heating Capacity (Nominal)	32,000	40,000
	Heating Range	11,000 - 39,000	12,000 - 48,000
Performance	SEER	21.0	20.0
	EER	13.0	12.8
	COP	3.81	3.55
	HSPF	10.1	10.4
Fan	CFM (LMH)	750 / 860 / 960	760 / 960 / 1130
	Maximum Static Pressure	0.80 in. w.g.	0.80 in. w.g.
Power	Volt / Phase / Hz	208-230 / 1 / 60	208-230 / 1 / 60
	MCA	32	32
	Max. Breaker	45 A	45 A
Pipe Connections	High x Low Side	3/8 x 5/8 in	3/8 x 5/8 in
	Max. Length	246 ft.	246 ft.
	Max Vertical	98 ft.	98 ft.
Refrigerant	R-410a Charge	102.29 oz.	102.29 oz.
	Charged For	25 ft.	25 ft.
Indoor Unit Dimensions	Height	14-3/16 in.	14-3/16 in.
	Width	47-1/4 in.	47-1/4 in.
	Depth	25-9/16 in.	25-9/16 in.
	Weight	128 lb.	128 lb.
Outdoor Unit Dimensions	Height	55-7/8 in.	55-7/8 in.
	Width	37 in.	37 in.
	Depth	13 in.	13 in.
	Weight	211.64	211.64
Operating Temperatures	Cooling	(0**) 23 - 115 °F	(0**) 23 - 115 °F
	Heating	-13 - 76 °F	-13 - 76 °F



MAX HEAT™

HSP Max Heat Performance Increase



Warranty - 10 year compressor and parts, 1 year limited labor
Product registration required. Conditions apply.

Proper sizing and installation of equipment is critical to achieve optimal 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

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

*Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

** With wind baffles

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

FREE JOINT MULTI (FJM) OUTDOOR UNITS REFERENCE GUIDE



FJM Outdoor Units					
System	Model		AJ020JCJ2CH/AA	AJ024JCJ3CH/AA	AJ036JCJ5CH/AA
	No. of Ports		2	3	5
	Max IDU Connection Ratio		140%	135%	125%
Capacity	Cooling*	Btu/h	17,000	22,000	36,000
	Minimum Cooling Capacity	Btu/h	6,500	7,500	9,500
	Heating**	Btu/h	22,000	25,000	40,000
	Minimum Heating Capacity	Btu/h	3,500	4,300	7,600
Performance	SEER	Non-Ducted	18.5	18	18.5
		Ducted	17	16	16.5
	EER	Non-Ducted	12.2	12.1	10.4
		Ducted	11.1	10.1	9.8
	HSPF	Non-Ducted	9	9	9.5
		Ducted	8.7	8.7	9
Power	Volt / Phase / Hz		208-230V / 1 / 60	208-230V / 1 / 60	208-230V / 1 / 60
	MCA		11	16.9	18.2
	MOP		15	25	30
Pipe Connections	High Side		1/4" X 2	1/4" X 3	1/4" X 5
	Low Side (Suction)		3/8" X 2	3/8" X 2 + 1/2" X 1	3/8" X 2 + 1/2" X 3
	Included Pipe Adapters		-	1 - 1/2" X 3/8"	3 - 1/2" X 3/8", 2 - 1/2" X 5/8"
	Max Individual		82 ft.	82 ft.	82 ft.
	Max Total		164 ft.	230 ft.	262 ft.
	Max. Vertical Separation	Outdoor to Indoor	49 ft.	49 ft.	49 ft.
		Highest to Lowest Indoor	25 ft.	25 ft.	25 ft.
Refrigerant	R-410a Charge		77.6 oz.	98.8 oz.	116.4 oz.
	Charged For		98 feet	131 feet	131 feet
Dimensions	Height		31-7/16 in.	31 - 7/16 in.	39 - 9/32 in.
	Width		34 - 5/8 in.	34-5/8 in.	37 in.
	Depth		14 - 5/16 in.	14 - 5/16 in.	13 in.
	Weight		126 lbs.	143 lbs.	166 lbs.
Operating Temperatures	Cooling		23 - 115 °F	23 - 115 °F	23 - 115 °F
	Heating		5 - 75 °F	5 - 75 °F	5 - 75 °F

Warranty - 10 year compressor and parts, 1 year limited labor
Product registration required. Conditions apply.

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

**Nominal heating capacities are based on: Indoor temperature: F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

** With wind baffles

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

FJM Indoor Units						
Wall Mount		AJ007JNADCH/AA	AJ009JNADCH/AA	AJ012JNADCH/AA	AJ018JNADCH/AA	AJ024JNADCH/AA
Nominal Capacity*	Cooling	7,000 Btu/h	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h	22,000 Btu/h
	Heating	7,500 Btu/h	10,900 Btu/h	14,000 Btu/h	17,100 Btu/h	25,500 Btu/h
Dimensions	Height	10 - 1/4 in.	10 - 1/4 in.	10 - 1/4 in.	11 - 9/16 in.	11 - 9/16 in.
	Width	32 - 1/2 in.	32 - 1/2 in.	32 - 1/2 in.	41 - 7/8 in.	41 - 7/8 in.
	Depth	10 - 13/16 in.	10 - 13/16 in.	10 - 13/16 in.	12 - 1/2 in.	12 - 1/2 in.
	Weight	21 lbs.	21 lbs.	21 lbs.	29.1 lbs.	31.1 lbs.
Pipe Connections	High x Low Side	1/4 x 3/8 in.	1/4 x 3/8 in.	1/4 x 3/8 in.	1/4 x 1/2 in.	1/4 x 5/8 in.
Fan	CFM (L/M/H)	245 / 260 / 295	265 / 300 / 355	265 / 320 / 390	460 / 495 / 600	425 / 495 / 635
Power	Volt / Phase / Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Mini 4-Way Cassette (2'x2')			AJ009JNNDCH/AA	AJ012JNNDCH/AA	AJ018JNNDCH/AA	
Nominal Capacity*	Cooling		8,900 Btu/h	11,900 Btu/h	17,700 Btu/h	
	Heating		9,900 Btu/h	13,000 Btu/h	19,100 Btu/h	
Dimensions	Height		10 in.	10 in.	10 in.	
	Width		22 - 5/8 in.	22 - 5/8 in.	22 - 5/8 in.	
	Depth		22 - 5/8 in.	22 - 5/8 in.	22 - 5/8 in.	
	Weight		24.25 lbs.	24.25 lbs.	25.79 lbs.	
Pipe Connections	Line Set Diameter		1/4 x 3/8 in.	1/4 x 3/8 in.	1/4 x 3/8 in.	
Fan	CFM (L/M/H)		245 / 290 / 350	260 / 320 / 380	260 / 320 / 380	
Power	Volt / Phase / Hz		208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	
Slim Duct			AJ009JNLDCH/AA	AJ012JNLDCH/AA	AJ018JNLDCH/AA	
Nominal Capacity*	Cooling		9,000 Btu/h	12,000 Btu/h	18,000 Btu/h	
	Heating		10,000 Btu/h	13,000 Btu/h	19,000 Btu/h	
Dimensions	Height		7 - 13/16 in.	7 - 13/16 in.	7 - 13/16 in.	
	Width		35 - 7/16 in.	35 - 7/16 in.	43 - 1/4 in.	
	Depth		23 - 5/8 in.	23 - 5/8 in.	23 - 5/8 in.	
	Weight		51.36 lbs.	51.36 lbs.	77.82 lbs.	
Pipe Connections	Line Set Diameter		1/4 x 3/8 in.	1/4 x 3/8 in.	1/4 x 1/2 in.	
Fan	CFM (L/M/H)		295 / 320 / 345	345 / 355 / 375	525 / 550 / 580	
	Max. External Static Pressure		0.16 "WC	0.16 "WC	0.16 "WC	
Power	Volt / Phase / Hz		208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	

Warranty - 10 year compressor and parts, 1 year limited labor
Product registration required. Conditions apply.

*Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

*Nominal heating capacities are based on: Indoor temperature: F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

** With wind baffles

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

ACCESSORIES REFERENCE GUIDE

Residential, Light Commercial, and FJM accessories (excluding controls)

Line Sets (Excluding Novus AR**JS*LBWKNCV systems)		
Part Number	Size	Length
	High x Low Side	
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	1/4" X 5/8"	25'
ILS5010	1/4" X 5/8"	50'

Wind Baffles	
Part Number	Description
WBMF-9/12/18	Front wind baffle for Pearl 9 & 12K, Whisper 9,12 & 18K LC 18K and all Quantum
WBMF-24/36	Front wind baffle for MAX (2 required), Whisper 24K, and 20K & 24K FJM
WBF-1	Front wind baffle for FJM 36K, LC 24 - 48K (2 required for 30K/36K Max Heat and 36 - 48K)
WBMB-9/12/18/36	Rear wind baffle for MAX (2 required), Pearl 9 & 12K, Whisper 9,12 & 18K, LC 18K and all Quantum
WBMB-24	Rear wind baffle for Whisper 24K
WBB-1	Rear wind baffle for FJM 20 & 24K
WBB-2	Rear wind baffle for LC 36, 42, & 48K
WBB-3	Rear wind baffle for FJM 36K, LC 24 & 30K
WBB-4	Rear wind baffle for Max Heat models

Novus (AR**JS*LBWKNCV) Line Sets		
Part Number	Size	Length
SLS2506	1/4" X 3/8"	25'
SLS2507	1/4" X 1/2"	25'
SLS2508	3/8" X 5/8"	25'
SLS5006	1/4" X 3/8"	50'
SLS5007	1/4" X 1/2"	50'
SLS5008	3/8" X 5/8"	50'

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

Filter Boxes	
Part Number	Description
FB-M3036	Filter box for 18 and 24K LC HSP Duct units (ACO**JNHDCH/AA)
FB-M48/H3648	Filter box for 30 - 48K LC HSP Duct units (ACO**JNHDCH/AA)
FB-SLIM1	Filter box for 9 and 12K LC Slim Duct units (ACO**KNLDCH/AA)
FB-SLIM2	Filter box for 18K LC Slim Duct units (ACO**KNLDCH/AA)
VFB-1	Filter base with MERV8 filter for 18 and 24K LC Multi-Position air handling units (ACO**KNZDCH/AA)
VFB-2	Filter base with MERV8 filter for 30 and 36K LC Multi-Position air handling units (ACO**KNZDCH/AA)
VFB-3	Filter base with MERV8 filter for 42 ~ 54K LC Multi-Position air handling units (ACO**KNZDCH/AA)

Communication Wire (excludes Novus)		
Part Number	Length	Description
I33-100	100'	2 Wire, 16 AWG shielded
I33-250	250'	
I33-500	500'	

Condensate Pump		
Part Number	Description	Used On
ASP-MO-UNIV 110-230	115-230V Mini Orange Pump	115-230V Mini pump for wall units (up to 24,000 Btu/h)
BD-BLUE230	208 - 230V Blue Diamond Pump w/Reservoir	Indoor units up to 48,000 Btu/h
ASP-MAXO-UNIV	230V Maxi Orange Pump	Condensate pump for Max 36K units
MDP-E075SEE3	230V OEM Pump	230V OEM Pump for FJM duct units (AJO**JNLDCH/AA)

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

LC (Light Commercial) = Slim Duct, HSP Duct, 4-Way Cassette, and Multi-Position Air Handler

CONTROLS REFERENCE GUIDE

System	Description	Part Number
FJM	Basic wired controller for duct and cassette models	MWR-WH02
	Premium wired controller for duct and cassette models	MWR-WE10
	Basic wired controller for wall units ¹	AR-WRS02
	Premium wired controller for wall units ²	AR-WRP
	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 (FJM Mini 4-Way Cassette only)	MR-EH00U
	Wireless signal receiver for Slim Duct units (receiver + wire)	DRK-10AU
	External contact control module	MIM-B14
	External temperature sensor	MRW-TA
	Multi Wi-Fi Kit	MIM-H03U
	Wired controller sub PCB for Whisper wall units	DB93-11412A
	Wired controller wire harness for connection to wall units	DB93-11405A
	Service tool/communication converter for use with SNET Pro 2 Service Software	MIM-C02N
CAC Duct and Cassette	Simplified wired controller	MWR-SH00N
	Simple touch wired controller	MWR-SH10N
	Premium wired controller	MWR-WE11N
	Central control interface module for connection to DVM Plus central controls	MIM-B13D
	Wireless remote control for CAC HSP Duct (MRK-A10N required) and CAC 4-Way Cassette	MR-EH00U
	Wireless remote control for CAC 360 Cassette	AR-KH00U
	Wireless remote receiver/wire kit (Ducted only)	MRK-A10N
	External Contact Control Interface Module	MIM-B14
	External temperature sensor	MRW-TA
	Central Control Interface Module for Connection to DVM Plus Controls (non-NASA)	MIM-N01
	Multi Wi-Fi Kit	MIM-H03UN
	Service tool/communication converter for use with SNET Pro 2 Service Software	MIM-C02N
	CN83 Pigtail, 2 pin plug for connection to float switch PCB plug, CN411 12VDC vent output PCB plug (cassettes), etc.	DB39-01263A
RAC (single zone wall units, excludes Novus)	Basic wired controller for Pearl and Whisper wall units ²	AR-WRS
	Premium wired controller for Pearl and Whisper wall units ³	AR-WRP
	Wired controller sub PCB for Whisper and Pearl indoor units	DB93-11412A
	Wired controller wire harness for connection to wall units	DB93-11405A
	Basic wired controller for Max wall units ⁴	AQN-WRS
	Premium wired controller for Max wall units ⁵	AQN-WRP
	Wired controller SUB PCBkit (sub PCB, harness, and sub PCB cover) for Max indoor units	MIM-A00A
	Basic wired controller for RAC indoor units (excludes Novus, requires sub-PCB and wire harness)	MWR-WH00
	Premium wired controller (excludes Novus, requires sub-PCB and wire harness)	MWR-WE10
	External contact control module (requires DB93-11412A and DB93-11405A when connecting to Whisper and Pearl wall units)	MIM-B14

¹ AR-WRS02 includes MWR-WH02 wired controller, sub-PCB (DB93-11412A), and sub-PCB connection harness (DB93-11405A)

² AR-WRS includes MWR-WH00 wired controller, sub-PCB (DB93-11412A), and sub-PCB connection harness (DB93-11405A)

³ AR-WRP includes MWR-WE10 wired controller, sub-PCB (DB93-11412A), and sub-PCB connection harness (DB93-11405A)

⁴ AQN-WRS includes MWR-WH00 wired controller and MIM-A00A sub PCB kit (sub PCB, harness, sub PCB cover)

⁵ AQN-WRP includes MWR-WE10 wired controller and MIM-A00A sub PCB kit (sub PCB, harness, sub PCB cover)

For customer and technical support, please call 888-699-6067.

FASCIA PANELS REFERENCE GUIDE

These fascia panels are for the 360 Cassette, 4 Way Cassette, and Mini 4 Way Cassette

360 Cassette

Fascia Panel	Ceiling Type (Square)	White	PC4NUDMAN
		Black	PC4NBDMAN
		L X W X H (inches)	39 3/8 X 39 3/8 X 2 5/8
		Weight (lbs.)	7.94
	Open Type (Circle)	White	PC4NUNMAN
		Black	PC4NBNMAN
		Diameter X H (inches)	41 5/16 X 3 3/8
		Weight (lbs.)	5.95



4 Way Cassette

Fascia Panel	Model Number		PC4NUSKFN
	L X W X H	Inches	37 3/8 X 37 3/8 X 1
	Weight	lbs.	13.00



FJM Mini 4 Way Cassette

Fascia Panel	Model Number		PC4SUSMB
	L X W X H	Inches	26 1/2 X 1 3/8 X 26 1/2
	Weight	lbs.	8.00



RESIDENTIAL AND LIGHT COMMERCIAL
PRODUCT REFERENCE GUIDE

SAMSUNG