

CAC Tropical



SAMSUNG

Lineup & Feature - Indoor Units

Duct - R22 / Heat pump

MODEL		50Hz	
MODEL NAME		NS**SHREA RC**FQREA	NS***SHREA RC***FQREGA
CAPACITY (kW)	3.5	●	
	5.4	●	
	7.0	●	
	10.5	●	●
	14.1		
	16.7		●
FEATURES	Anti-Bacteria Filter	●	●
	Easy Filter Cleaning	●	●
	High Lift-Up Drain Pump	●	●
	Smart Pressure Control	●	●
	Wired Remote Controller	●	●

4Way - R22 / Heat pump

MODEL		50Hz		60Hz	
MODEL NAME		NS***4HREA RC***FQREA	NS***4HREA RC***FQREGA	CH**BTA CH**BTX	CH**FTA CH**FTX
CAPACITY (kW)	5.4	●			
	6.4			●	
	7.0	●			
	10.0			●	
	10.5	●	●		
	11.7			●	
FEATURES	High Lift-Up Drain Pump	●	●	●	
	Quick Connection of Drain Pipe	●	●	●	
					●

Ceiling - R22 / Heat Pump

MODEL		50Hz		60Hz	
MODEL NAME		FH**ETA FH**ETX	FH**ETA FH**ETX	FH**BTA FH**BTX	FH**BTA FH**BTX
CAPACITY (kW)	5.0			●	
	5.6	●			
	6.3			●	
	6.4	●			
FEATURES	Interior Design	●		●	
	Anti-Bacteria Filter	●		●	
	Light Weight	●		●	
	Flexible Pipe Installation	●		●	

cac Tropical

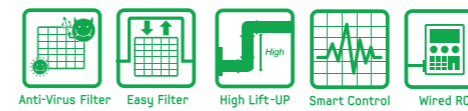


CAC Specification - Indoor Units (R22 | Heat Pump)



MSP Duct

- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



			50Hz				
Indoor Unit			NS012SHREA	NS018SHREA	NS024SHREA	NS036SHREA	
Outdoor Unit			RC012FQREA	RC018FQREA	RC024FQREA	RC036FQREA	
Mode			Heat Pump	Heat Pump	Heat Pump	Heat Pump	
Performance	Cooling (Min. / Std. / Max.)	kW	3.5	5.4	7.0	10.5	
		Btu/h	11,900	18,400	23,900	35,800	
	Capacity (Nominal) Cooling (Outdoor temp. 46°C)	kW					
		Btu/h					
Heating (Min. / Std. / Max.)	kW	4.0	6.3	7.6	10.5		
	Btu/h	13,600	21,500	25,900	35,800		
Energy Grade (C) / Energy Grade (H)		-	-	-	-		
Power	Cooling (Min. / Std. / Max.)	kW	1.55	2.20	2.99	3.90	
		Btu/h					
	Power Input (Nominal)	kW					
		Btu/h					
	Heating (Min. / Std. / Max.)	kW	1.55	2.05	2.86	3.27	
		Btu/h	5,200	7,000	9,700	11,100	
Current Input (Nominal)	Cooling	A	6.90	10.00	12.50	16.00	
	Heating	A	6.70	9.50	12.50	14.00	
Circuit Breaker (MCCB+ELB / ELCB)		A	-	-	-	-	
COP	Nominal Cooling	-	2.26	2.45	2.35	2.69	
	Nominal Heating	-	2.58	3.07	2.66	3.21	
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	6.35 x 1	6.35 x 1	9.52 x 1	
	Gas Pipe	Ø, mm	9.52 x 1	12.7 x 1	15.88 x 1	15.88 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	30.0	30.0	30.0	50.0
		Max. Height (Between ID/OD)	m	15.0	15.0	15.0	30.0
Refrigerant	Type	-	R22	R22	R22	R22	
	Factory Charging	kg	1.0	1.4	2.0	2.4	
INDOOR UNIT							
Power Supply	Ø, #, V, Hz		1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	
Fan	Air Flow Rate	CMM	9.7	16.4	21.9	27.3	
	External Static Pressure	Min. / Std. / Max. mmAq	2000-02-04	2002-04-06	2002-04-06	2006-08-10	
Drain	Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
	Sound Pressure	High / Low dB(A)	36/37	41/41	47/46	46/47	
External Dimension	Net Weight	kg	29	29	29	40	
	Shipping Weight	kg	320	320	320	320	
	Net Dimensions (WxHxD)	mm	480 x 900 x 260	480 x 900 x 260	480 x 900 x 260	480 x 1150 x 320	
	Shipping Dimensions (WxHxD)	mm	593 x 1155 x 354	593 x 1155 x 354	593 x 1155 x 354	590 x 1400 x 430	
Panel Size	Panel model	-	-	-	-	-	
	Panel Net Weight	kg	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	
	Net Dimensions (WxHxD)	mm	-	-	-	-	
Additional Accessories	Drain pump	Drain pump	Optional / MDP-E075SGU3	Optional / MDP-E075SGU3	Optional / MDP-E075SGU3	Optional / MDP-E075SGU3	
		Max. lifting Height / Displacement	750 / 24	750 / 24	750 / 24	750 / 24	
	Air Filter	-	Long life filter	Long life filter	Long life filter	Long life filter	
OUTDOOR UNIT							
Power Supply	Ø, #, V, Hz		1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	
Sound	Sound Pressure	dB(A)	56/57	60/61	61/61	64/65	
External Dimension	Net Weight	kg	37	41	55	85	
	Shipping Weight	kg	320	320	320	320	
	Net Dimensions (WxHxD)	mm	548 x 790 x 285	548 x 790 x 285	638 x 880 x 310	931 x 880 x 320	
	Shipping Dimensions (WxHxD)	mm	600 x 926 x 382	600 x 926 x 382	744 x 1023 x 413	1062 x 1043 x 411	
Operating Temp. Range	Cooling	°C	-5 ~ 54	-5 ~ 54	-5 ~ 54	-5 ~ 54	
	Heating	°C	-5 ~ 24	-5 ~ 24	-5 ~ 24	-5 ~ 24	

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Optional Accessories

Individual Controllers



Drain Pump

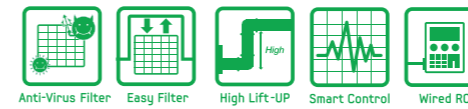


CAC Specification - Indoor Units (R22 | Heat Pump)



MSP Duct

- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



50Hz

Indoor Unit		NS036SHREA	NS048SHREA	NS060SHREA		
Outdoor Unit		RC036FQRGA	RC048FQRGA	RC060FQRGA		
Mode		Heat Pump	Heat Pump	Heat Pump		
Performance	Cooling (Min. / Std. / Max.)	kW	10.5	14.1		
		Btu/h	35,800	48,100		
	Capacity (Nominal)	Cooling (Outdoor temp. 46°C)	kW		16.7	
		Btu/h			57,000	
Heating (Min. / Std. / Max.)	kW	10.5	14.7	17.9		
	Btu/h	35,800	50,200	61,000		
Energy Grade (C) / Energy Grade (H)		-	-	-		
Power	Cooling (Min. / Std. / Max.)	kW	3.75	5.72	6.50	
		Btu/h				
	Power Input (Nominal)	Cooling	kW		5.20	6.35
		Btu/h			11.00	
	Current Input (Nominal)	Cooling	A	6.50	9.50	11.00
		Btu/h				
Circuit Breaker (MCCB+ELB / ELCB)	A	5.80	9.50	11.00		
COP	Nominal Cooling	-	2.80	2.47	2.57	
	Nominal Heating	-	3.28	2.83	2.82	
Piping Connections	Liquid Pipe	Ø, mm	9.52 x 1	9.52 x 1	9.52 x 1	
	Gas Pipe	Ø, mm	15.88 x 1	19.05 x 1	19.05 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	50.0	50.0	50.0
Refrigerant	Max. Height (Between ID/OD)	m	30.0	30.0	30.0	
	Type	-	R22	R22	R22	
Factory Charging	kg	2.6	2.8	4.1		
INDOOR UNIT						
Power Supply	Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50		
Fan	Air Flow Rate	CMM	27.3	38.1	38.1	
	External Static Pressure	Min. / Std. / Max. mmAq	2006-08-10	2006-08-10	2006-08-10	
Drain	Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Sound	Sound Pressure	High / Low	46/47	52/53	52/53	
External Dimension	Net Weight	kg	40	49	49	
	Shipping Weight	kg	320	320	320	
Panel Size	Net Dimensions (WxHxD)	mm	480 x 1150 x 320	650 x 1200 x 360	650 x 1200 x 360	
	Shipping Dimensions (WxHxD)	mm	590 x 1400 x 430	769 x 1477 x 425	769 x 1477 x 425	
	Panel model	-	-	-	-	
Additional Accessories	Panel Net Weight	kg	-	-	-	
	Shipping Weight	kg	-	-	-	
	Net Dimensions (WxHxD)	mm	-	-	-	
	Shipping Dimensions (WxHxD)	mm	-	-	-	
Drain pump	Drain pump	-	Optional / MDP-E075SGU3	Optional / MDP-E075SGU3	Optional / MDP-E075SGU3	
	Max. lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24	
Air Filter		-	Long life filter	Long life filter	Long life filter	
OUTDOOR UNIT						
Power Supply	Ø, #, V, Hz	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50		
Sound	Sound Pressure	dB(A)	64/65	62/63	66/67	
External Dimension	Net Weight	kg	85	104	110	
	Shipping Weight	kg	320	320	320	
	Net Dimensions (WxHxD)	mm	931 x 880 x 320	1128 x 932 x 375	932 x 1129 x 375	
Operating Temp. Range	Shipping Dimensions (WxHxD)	mm	1062 x 1043 x 411	1286 x 1091 x 472	1091 x 1286 x 472	
	Cooling	°C	-5 ~ 54	-5 ~ 54	-5 ~ 54	
Heating	°C	-5 ~ 24	-5 ~ 24	-5 ~ 24		

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Optional Accessories

Individual Controllers



Drain Pump



CAC Specification - Indoor Units (R22 | Heat Pump)



4Way Cassette

- New Turbo Fan
- Compact Size
- Easy Leveling
- Efficient Cooling



50Hz

Indoor Unit		NS0184HREA	NS0244HREA	NS0364HREA	NS0364HREA	NS0484HREA
Outdoor Unit		RC018FQREA	RC024FQREA	RC036FQREA	RC036FQGA	RC018FQREA
Mode		-	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Performance	Cooling (Min. / Std. / Max.)	kW	5.4	7.0	10.5	14.1
		Btu/h	18,400	23,900	35,800	48,100
	Capacity (Nominal)	Cooling (Outdoor temp. 46°C)	kW			
		Btu/h				
Power	Heating (Min. / Std. / Max.)	kW	6.3	7.6	10.5	14.7
		Btu/h	21,500	25,900	35,800	50,200
	Energy Grade (C) / Energy Grade (H)	-	/	/	/	/
	Cooling (Min. / Std. / Max.)	kW	2.12	2.70	3.70	5.40
COP	Power Input (Nominal)	kW				
	Heating (Min. / Std. / Max.)	kW	2.00	2.55	3.45	5.39
	Cooling (Min. / Std. / Max.)	A	9.50	11.50	15.20	9.50
	Heating (Min. / Std. / Max.)	A	9.00	11.00	14.20	9.50
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	6.35 x 1	9.52 x 1	9.52 x 1
	Gas Pipe	Ø, mm	12.7 x 1	15.88 x 1	15.88 x 1	19.05 x 1
Refrigerant	Installation Limitation	Max. Length (Outdoor to indoor)	m	30.0	50.0	50.0
		Max. Height (Between ID/OD)	m	15.0	30.0	30.0
Type	Type	-	R22	R22	R22	R22
	Factory Charging	kg	1.4	2.0	2.4	2.8
INDOOR UNIT						
Power Supply	Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Fan	Air Flow Rate	CMM	-	-	25.2	41.1
	External Static Pressure	Min. / Std. / Max. mmAq	-	-	-	-
Drain	Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure	High / Low	41/42	46/45	49/49	51/51
External Dimension	Net Weight	kg	24	24	30	31
	Shipping Weight	kg	320	320	320	320
	Net Dimensions (WxHxD)	mm	840 x 840 x 218	840 x 840 x 218	840 x 840 x 298	840 x 840 x 298
	Shipping Dimensions (WxHxD)	mm	925 x 925 x 280	925 x 925 x 280	925 x 925 x 360	925 x 925 x 360
Panel Size	Panel model	-	P4SMA	P4SMA	P4SMA	P4SMA
	Panel Net Weight	kg	7	7	7	7
	Shipping Weight	kg	10.3	10.3	10.3	10.3
	Net Dimensions (WxHxD)	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
Additional Accessories	Shipping Dimensions (WxHxD)	mm	1042 x 103 x 1042	1042 x 103 x 1042	1042 x 103 x 1042	1042 x 103 x 1042
	Drain pump	Drain pump	-	Built-in	Built-in	Built-in
Air Filter	Max. lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24	750 / 24
		-	Long life filter	Long life filter	Long life filter	Long life filter
OUTDOOR UNIT						
Power Supply	Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	3, 4, 380~415, 50
Sound	Sound Pressure	dB(A)	60/61	61/61	64/65	64/65
External Dimension	Net Weight	kg	41	55	85	104
	Shipping Weight	kg	320	320	320	320
	Net Dimensions (WxHxD)	mm	548 x 790 x 285	638 x 880 x 310	931 x 880 x 320	931 x 880 x 320
	Shipping Dimensions (WxHxD)	mm	600 x 926 x 382	744 x 1023 x 413	1062 x 1043 x 411	1062 x 1043 x 411
Operating Temp. Range	Cooling	°C	-5 ~ 54	-5 ~ 54	-5 ~ 54	-5 ~ 54
	Heating	°C	-5 ~ 24	-5 ~ 24	-5 ~ 24	-5 ~ 24

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00U

- Panel



PC095MCS / PC095MC1S
PC095MC2S / PC095MC3S

CAC Specification - Indoor Units (R22 | Heat Pump)



Ceiling

- 2Way Installation
- Compact but Powerful



		50Hz				60Hz			
Indoor Unit		FH18ETA1/HAC		FH24ETA1/HAC		FH18BTA1/UMG		FH24BTA1/UMG	
Outdoor Unit		FH18ETX1/HAC		FH24ETX1/HAC		FH18BTX1/UMG		FH24BTX1/UMG	
Mode		Heat Pump		Heat Pump		Heat Pump		Heat Pump	
Performance	Cooling (Min. / Std. / Max.)	kW	5.6	6.4	5.0	6.3			
		Btu/h	19,000	22,000	17,000	21,500			
	Capacity (Nominal)	Cooling (Outdoor temp. 46°C)	kW			4.5	5.6		
		Btu/h			15,400	19,000			
Heating (Min. / Std. / Max.)	kW	5.9	7.2	5.9	6.9				
	Btu/h	20,000	24,500	20,000	23,500				
Energy Grade (C) / Energy Grade (H)		-		-		-		-	
Power	Cooling (Min. / Std. / Max.)	kW	2.80	2.80	1.90	2.45			
		Btu/h			6,500	6,600			
	Power Input (Nominal)	Cooling	kW			2.22	2.75		
		Btu/h			7,500	9,300			
	Heating (Min. / Std. / Max.)	kW	2.80	2.80	1.90	2.30			
		Btu/h	9,600	9,600	6,500	7,800			
Current Input (Nominal)	Cooling	A	13.50	13.50	8.80	10.60			
	Btu/h				12.50	15.10			
Heating (Min. / Std. / Max.)	kW	13.50	13.50	8.80	10.50				
	Btu/h	46,000	46,000	30,000	35,800				
Circuit Breaker (MCCB+ELB / ELCB)		A		A		A		A	
COP	Nominal Cooling	-	1.99	2.30	2.62	2.57			
	Nominal Heating	-	2.09	2.56	3.09	2.99			
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	6.35 x 1	6.35 x 1	6.35 x 1			
		Max. Length (Outdoor to indoor)	m	30.0	30.0	30.0	30.0		
	Gas Pipe	Ø, mm	15.88 x 1	15.88 x 1	12.7 x 1	15.88 x 1			
		Max. Height (Between ID/OD)	m	15.0	15.0	15.0	15.0		
Refrigerant	Type	-	R22	R22	R22	R22			
	Factory Charging	kg	2.0	2.0	1.5	1.5			
INDOOR UNIT									
Power Supply	Ø, #, V, Hz	1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220, 60		1, 2, 220, 60	
Fan	Air Flow Rate	CMM	-	-	-	-			
	External Static Pressure	Min. / Std. / Max. mmAq	-	-	-	-			
Drain	Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP30 (OD 38, ID 31)			
Sound	Sound Pressure	High / Low dB(A)	51 /	51 /	50 /	50 /			
External Dimension	Net Weight	kg	22	22	22	22			
	Shipping Weight	kg	26	26	26	26			
	Net Dimensions (WxHxD)	mm	1000 x 200 x 650	1000 x 200 x 650	1000 x 200 x 650	1000 x 200 x 650			
	Shipping Dimensions (WxHxD)	mm	1080 x 230 x 740	1080 x 230 x 740	1080 x 230 x 740	1080 x 230 x 740			
Panel Size	Panel model	-	-	-	-	-			
	Panel Net Weight	kg	-	-	-	-			
	Shipping Weight	kg	-	-	-	-			
	Net Dimensions (WxHxD)	mm	-	-	-	-			
Additional Accessories	Drain pump	Drain pump	-	-	-	-			
	Max. lifting Height / Displacement	mm / liter/h	-	-	-	-			
Air Filter	-	-	-	-	-				
OUTDOOR UNIT									
Power Supply	Ø, #, V, Hz	1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220, 60		1, 2, 220, 60	
Sound	Sound Pressure	dB(A)	61	61	61	60			
External Dimension	Net Weight	kg	60	60	55	60			
	Shipping Weight	kg	67	67	60	67			
	Net Dimensions (WxHxD)	mm	880 x 638 x 310	880 x 638 x 310	880 x 638 x 310	880 x 638 x 310			
	Shipping Dimensions (WxHxD)	mm	1023 x 744 x 413	1023 x 744 x 413	1023 x 744 x 413	1023 x 744 x 413			
Operating Temp. Range	Cooling	°C	-5 ~ 54	-5 ~ 54	-5 ~ 54	-5 ~ 54			
	Heating	°C	-5 ~ 24	-5 ~ 24	-5 ~ 24	-5 ~ 24			

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Optional Accessories

- Individual Controllers



Standard Accessories

- Wireless Remote Controller



CAC Specification

Model	Indoor Unit		NS0125HREA	NS018SHREA	NS024SHREA		
	Outdoor Unit		RC012FQREA	RC018FQREA	RC024FQREA		
Capacity (90% ↑)	Cooling(ISO)	Btu/hr	12,000	18,500	24,000		
	Heating(ISO)	Btu/hr	13,500	21,500	26,000		
Input (110% ↓)	Cooling(ISO)	W	1,550	2,200	2,985		
	Heating(ISO)	W	1,500	2,050	2,860		
Running Current (110% ↓)	Cooling(ISO)	A	6.9	10.0	12.5		
	Heating(ISO)	A	6.7	9.5	12.5		
Power Supply		∅, V/Hz	1/220-240-/50Hz	1/220-240/50	1/220-240/50		
EER/COP (95% ↑)	Cooling(ISO)	Btu/Wh	7.74	8.41	8.04		
	Heating(ISO)	Btu/Wh	9.00	10.49	9.09		
Option Code			015041-1600EB	015411-1A03D4	011414-1C0215		
Refrigerant Control			EEV	EEV	EEV		
Refrigerant Charge		g, type	1000g, R22	1350g, R22	2000g, R22		
Additional Refrigerant Charge		g/m	20	20	20		
Chassis			MAS	MAS	MAS		
Indoor fan motor	Model		YSK140-200-4E1	YSK140-200-4E1	YSK140-200-4E1		
	Maker		CRBSM	CRBSM	CRBSM		
	No. of Poles		4	4	4		
	Input	W	219	219	219		
	Running Current	A	0.97	0.97	0.97		
Indoor Fan	Type		Sirocco	Sirocco	Sirocco		
	No. Used / Diameter	EA/mm	2/∅175	2/∅175	2/∅175		
Indoor Fan RPM	Fan(H/M/L)		rpm	600/580/560±50	1150/1025/900±50	1340/1300/1250±50	
External Static Pressure (min/std/max)	mmAq		mmAq	0/2/4	2/4/6		
Air Circulation	H/M/L at Std E.S.P		CMM	10.66/9.70/8.53	16.52/14.26/12.13	21.94/21.20/20.27	
Temperature Controller			Thermistor	Thermistor	Thermistor		
Indoor Coil	Tube Size (OD)		mm	7.0	7.0	7.0	
	Fin pitch		mm	1.3	1.3	1.3	
	Fin Type / Coating			Louver/Hydrophilic	Louver/Hydrophilic	Louver/Hydrophilic	
	No. of Rows & Column			2R10C	2R10C	3R10C	
Set Dimensions (W*H*D)	Net		mm	900*480*260	900*480*260	900*480*260	
	Gross		mm	1155*593*354	1155*593*354	1155*593*354	
	Weight (Net/Gross)		kg	28/33	29/35	29/35	
Sound Level (Cooling/Heating)	Pressure Level (High)		dB(A)±3	36/37	41/41	47/46	
Compressor	Chassis			WB	WB	Q	
	Locked Rotor Amp.		A	27.5	45	60.3	
	Type			Rotary	Rotary	Rotary	
	Model			44D129/JAEL-SS	48B200/JAEH-SS	55A250/JAEM-SS	
	Maker			Samsung	Samsung	Samsung	
	Capacity	Btu/hr		12,800	19,500	25,300	
	Capacitor	µF/Vac		45µF/450VAC	50µF/450VAC	50µF/500VAC	
	Outdoor Coil	Tube Size (OD)		mm	7.94	7.0	7.0
		Fin pitch		mm	1.4	1.4	1.4
		Fin Type / Coating			G/Silica	Louver/Hydrophilic	Louver/Hydrophilic
	No. of Rows & Column			1R24C	2R24C	2R28C	
	Outdoor fan motor	Model			YDK95-45-4-2	YDK95-45-4-2	YDK120-93-65X05A
		Maker			CRBSM	CRBSM	CRBSM
		No. of Poles			4	4	6
		Input	W		98/73	98	141
Running Current		A		0.4/0.34	0.4	0.65	
Outdoor Fan	Type			Propeller	Propeller		
	No. Used / Diameter	EA/mm		1/∅401	1/∅460		
	Type	Top / Side		Side	Side		
EEV	Model			DPF(Q)1.4C-01-RK(E)	DPF(Q)1.4C-01-RK(E)	DPF(Q)1.65C-06-RK(E)	
	Maker			Sanhua	Sanhua	Sanhua	
Sound Level (Cooling/Heating)	Pressure level		dB(A)±3	56/57	60/61	61/61	
Dimensions (W*H*D)	Net		mm	790*548*285	790*548*285	880*638*310	
	Gross		mm	926*600*382	926*600*382	1023*744*413	
	Weight (Net/Gross)		kg	35/42	41/44	55/60	
Accumulator	-		ml	340	340	340	
Connecting Tube (∅ Socket Flare)	Liquid Side		inch(mm)	1/4"(6.35)	1/4"(6.35)	1/4"(6.35)	
	Gas Side		inch(mm)	3/8"(9.52)	1/2"(12.7)	5/8"(15.88)	
	Length, std		m	5	5	5	
	Max length/elevation		m	30/15	30/15	30/15	
Drain hose	In /Out Diameter		mm	26/32	26/32	26/32	

- Nominal Capacity are based on (Equivalent refrigerant piping : 5m , Level differences : 0m);
 - Cooling : Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, 24°C WB
 - Heating : Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

Model	Indoor Unit		NS036SHREA	NS036SHREA		
	Outdoor Unit		RC036FQREA	RC036FQREA		
Capacity (90% ↑)	Cooling(ISO)	Btu/hr	36,000	36,000		
	Heating(ISO)	Btu/hr	36,000	36,000		
Input (110% ↓)	Cooling(ISO)	W	3,900	3,750		
	Heating(ISO)	W	3,270	3,200		
Running Current (110% ↓)	Cooling(ISO)	A	16	6.50		
	Heating(ISO)	A	14	5.80		
Power Supply		∅, V/Hz	1/220-240-/50Hz	3N/380-415-/50Hz		
EER/COP (95% ↑)	Cooling(ISO)	Btu/Wh	9.23	9.60		
	Heating(ISO)	Btu/Wh	11.01	11.25		
Option Code			015004-1F02F5	015004-1F02F5		
Refrigerant Control			EEV	EEV		
Refrigerant Charge		g, type	2400, R22	2550, R22		
Additional Refrigerant Charge		g/m	50	50		
Chassis			MA1	MA1		
Indoor fan motor	Model		YSK140-200-4	YSK140-200-4		
	Maker		CRBSM	CRBSM		
	No. of Poles		4	4		
	Input	W	303	303		
	Running Current	A	1.33	1.33		
Indoor Fan	Type		Sirocco cross	Sirocco cross		
	No. Used / Diameter	EA/mm	2/∅200	2/∅200		
Indoor Fan RPM	Fan(H/M/L)		rpm	1320/1220/1020±50	1320/1220/1020±50	
External Static Pressure (min/std/max)	mmAq		mmAq	6/8/10	6/8/10	
Air Circulation	H/M/L at Std E.S.P		CMM	29.2/27.3/23.2	29.2/27.3/23.2	
Temperature Controller			Thermistor	Thermistor		
Indoor Coil	Tube Size (OD)		mm	7.0	7.0	
	Fin pitch		mm	1.5	1.5	
	Fin Type / Coating			Louver/Hydrophilic	Louver/Hydrophilic	
	No. of Rows & Column			4R14C	4R14C	
Set Dimensions (W*H*D)	Net		mm	1150*480*320	1150*480*320	
	Gross		mm	1400*590*430	1400*590*430	
	Weight (Net/Gross)		kg	39/46	39/46	
Sound Level (Cooling/Heating)	Pressure Level (High)		dB(A)±3	46/47	46/47	
Compressor	Chassis			550-1	550-1	
	Locked Rotor Amp.		A	103	42	
	Type			Scroll	Scroll	
	Model			C-SBR120H15P	C-SB263H8A	
	Maker			Sanyo	Sanyo	
	Capacity	Btu/hr		33,100	32,755	
	Capacitor	µF/Vac		2*50µF/500VAC	-	
	Outdoor Coil	Tube Size (OD)		mm	7	7
		Fin pitch		mm	1.4	1.4
		Fin Type / Coating			Louver/Hydrophilic	Louver/Hydrophilic
	No. of Rows & Column			2R42C	2R42C	
	Outdoor fan motor	Model			YDK140-120-4D	YDK140-120-4D
		Maker			CRBSM	CRBSM
		No. of Poles			6	6
		Input	W		217/103	217/103
Running Current		A		0.93/0.45	0.93/0.45	
Outdoor Fan	Type			Propeller	Propeller	
	No. Used / Diameter	EA/mm		3/∅460	3/∅460	
	Type	Top / Side		Side	Side	
EEV	Model			DPF(Q)2.2C-05-RK(E)	DPF(Q)2.2C-05-RK(E)	
	Maker			Sanhua	Sanhua	
Sound Level (Cooling/Heating)	Pressure level		dB(A)±3	64/65	64/65	
Dimensions (W*H*D)	Net		mm	880*931*320	880*931*320	
	Gross		mm	1043*1062*411	1043*1062*411	
	Weight (Net/Gross)		kg	90/95	90/95	
Accumulator	-		ml	1000	1000	
Connecting Tube (∅ Socket Flare)	Liquid Side		inch(mm)	3/8"(9.52)	3/8"(9.52)	
	Gas Side		inch(mm)	5/8"(15.88)	5/8"(15.88)	
	Length, std		m	5	5	
	Max length/elevation		m	50/30	50/30	
Drain hose	In /Out Diameter		mm	26/32	26/32	

- Nominal Capacity are based on (Equivalent refrigerant piping : 5m , Level differences : 0m);
 - Cooling : Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, 24°C WB
 - Heating : Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

CAC Specification

Model	Indoor Unit		NS048SHREA	NS060SHREA
	Outdoor Unit		RC048FORGA	RC060FORGA
Capacity (90% ↑)	Cooling(ISO)	Btu/hr	48,000	57,000
	Heating(ISO)	Btu/hr	50,000	61,000
Input (110% ↓)	Cooling(ISO)	W	5,220	6,550
	Heating(ISO)	W	5,200	6,350
Running Current (110% ↓)	Cooling(ISO)	A	9.5	11.0
	Heating(ISO)	A	9.5	11.0
Power Supply		Ø,V/Hz	3/380-415/50	3N/380-415-/50Hz
EER/COP (95% ↑)	Cooling(ISO)	Btu/Wh	8.39	8.70
	Heating(ISO)	Btu/Wh	9.62	9.60
Option Code			011811-1303A6	015813-14003F
Refrigerant Control			EEV	EEV
Refrigerant Charge		g, type	2800g, R22	4100g, R22
Additional Refrigerant Charge		g/m	40	50
Chassis			MA2	MA2
Indoor fan motor	Model		YDK-370543223-01(E Code)	YDK-370565023-01
	Maker		BOMC	BOMC
	No. of Poles			6
	Input	W	588	556
Running Current	A	2.49	2.70	
Capacitor	µF/Vac	8.0uF/450VAC	8uF/450Vac	
Indoor Fan	Type		Sirocco	Sirocco Cross
	No. Used / Diameter	EA/mm	2/Ø230	2/Ø230
Indoor Fan RPM	Fan(H/M/L)	rpm	1020/970/920±50	1160/1040/840±50
External Static Pressure (min/std/max)		mmAq	6/8/10	6/8/10
Air Circulation	H/M/L at Std E.S.P	CMM	41.13/37.65/33.95	42.3/38.06/28.01
Temperature Controller			Thermistor	Thermistor
Indoor Coil	Tube Size (OD)	mm	7.0	7.0
	Fin pitch	mm	1.3	1.3
	Fin Type / Coating		Louver/Hydrophilic	Louver/Hydrophilic
	No. of Rows & Column		3R16C	4R16C
Set Dimensions (W*H*D)	Net	mm	1200*650*360	1200*650*360
	Gross	mm	1447*769*425	1447*769*425
	Weight (Net/Gross)	kg	50/60	52/64
Sound Level (Cooling/Heating)	Pressure Level (High)	dB(A)±3	49/48	52/53
	Chassis		S50-2	S50-2
Compressor	Locked Rotor Amp.	A	66	73
	Type		TTR	Scroll
	Model		63TS10BTAHV-SS	C-SBX215H38P
	Maker		Samsung	Sanyo
Outdoor Coil	Capacity	Btu/hr	51,900	-
	Capacitor	µF/Vac	-	-
	Tube Size (OD)	mm	7.0	9.5
	Fin pitch	mm	1.4	1.5
Fin Type / Coating			Slit/Hydrophilic	Wave/Antibacteria
No. of Rows & Column			2R52C	2R44C
Outdoor fan motor	Model		YDK120-93-65X05/05A	YDK140-120-4C/D
	Maker		CRBSM	CRBSM
	No. of Poles		6	4
	Input	W	141	217/103
Running Current	A	0.65	0.93/0.45	
Capacitor	µF/Vac	3.5uF/450VAC	6uF/450Vac	
Outdoor Fan	Type		Propeller	Propeller
	No. Used / Diameter	EA/mm	2/Ø460	3/Ø460
	Type	Top / Side	Side	Side
	Speed	rpm	C/H 880/860±50	990(C)/970(H) ± 50
EEV	Model		DPF(Q)2.4C-11-RK(E)	DPF(Q)2.4C-11-RK(E)
	Maker		Sanhua	Sanhua
Sound Level (Cooling/Heating)	Pressure level	dB(A)±3	62/63	66/67
	Net	mm	932*1128*375	932*1128*375
Dimensions (W*H*D)	Gross	mm	1091*1286*472	1091*1286*472
	Weight (Net/Gross)	kg	104/114	109/120
		ml	1500	1500
Connecting Tube (Ø Socket Flare)	Liquid Side	inch(mm)	3/8"(9.52)	3/8"(9.52)
	Gas Side	inch(mm)	3/4"(19.05)	3/4"(19.05)
	Length, std	m	5	5
	Max length/elevation	m	50/30	50/30
Drain hose	In /Out Diameter	mm	26/32	26/32

- Nominal Capacity are based on (Equivalent refrigerant piping : 5m , Level differences : 0m);
 - Cooling : Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, 24°C WB
 - Heating : Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

Model	Indoor Unit		NS0184HREA	NS0244HREA
	Outdoor Unit		RC018FORGA	RC024FORGA
Capacity (90% ↑)	Cooling(ISO)	Btu/hr	18,500	24,000
	Heating(ISO)	Btu/hr	21,500	26,000
Input (110% ↓)	Cooling(ISO)	W	2,120	2,700
	Heating(ISO)	W	2,000	2,550
Running Current (110% ↓)	Cooling(ISO)	A	9.5	11.5
	Heating(ISO)	A	9.0	11.0
Power Supply		Ø,V/Hz	1/220-240/50	1/220-240/50
EER/COP (95% ↑)	Cooling(ISO)	Btu/Wh	8.73	8.89
	Heating(ISO)	Btu/Wh	10.75	10.20
Option Code			041000-1A0000	045000-1C0000
Refrigerant Control			EEV	EEV
Refrigerant Charge		g, type	1350g, R22	2000g, R22
Additional Refrigerant Charge		g/m	20	20
Chassis			VPS 2	VPS 2
Motor Fan	Model		YGN33-8	YGN58-8C-2
	Maker		JEAMO	JEAMO
	No. of Poles		6	6
	Input	W	92	92
Running Current	A	0.45	0.45	
Capacitor	µF/Vac	2.5uF/450VAC	2.5uF/450VAC	
Indoor Fan	Type		Turbo	Turbo
	No. Used / Diameter	EA/mm	1/Ø462	1/Ø462
Indoor Fan RPM	Fan(H/M/L)	rpm	390/365/340±40	530/490/450±40
Temperature Controller			Thermistor	Thermistor
Indoor Coil	Tube Size (OD)	mm	7.0	7.0
	Fin pitch	mm	1.4	1.4
	Fin Type / Coating		Louver/Hydrophilic	Louver/Hydrophilic
	No. of Rows & Column		2R8C	2R8C
Set Dimensions (W*H*D)	Net	mm	840*218*840	840*218*840
	Gross	mm	925*280*925	925*280*925
	Weight (Net/Gross)	kg	24/30	24/30
Sound Level (Cooling/Heating)	Pressure Level (High)	dB(A)±3	41/42	46/45
	Chassis		WB	Q
Compressor	Locked Rotor Amp.	A	45	60.3
	Type		Rotary	Rotary
	Quantity	No	1	1
	Model		48B200TAEH-SS	55A2500JAEM-SS
Maker		Samsung	Samsung	
Outdoor Coil	Capacity	Btu/hr	19,500	25,300
	Tube Size (OD)	mm	7.0	7.0
	Fin pitch	mm	1.4	1.4
	Fin Type / Coating		Louver/Hydrophilic	Louver/Hydrophilic
No. of Rows & Column			2R24C	2R28C
Motor Fan	Model		YDK95-45-4-2	YDK120-93-65X05A
	Maker		CRBSM	CRBSM
	No. of Poles		4	6
	Input	W	98	141
Running Current	A	0.4	0.65	
Capacitor	µF/Vac	2.5uF/450VAC	3.0uF/450VAC	
Outdoor Fan	Type		Propeller	Propeller
	No. Used / Diameter	EA/mm	1/Ø401	1/Ø460
	Type	Top / Side	Side	Side
	Speed	rpm	980±50	860±50
EEV	Model		DPF(Q)1.4C-01-RK(E)	DPF(Q)1.65C-06-RK(E)
	Maker		Sanhua	Sanhua
Sound Level (Cooling/Heating)	Pressure level	dB(A)±3	60/61	61/61
	Net	mm	790*548*285	880*638*310
Dimensions (W*H*D)	Gross	mm	926*600*382	1023*744*413
	Weight (Net/Gross)	kg	41/44	55/60
		ml	340	340
Connecting Tube (Ø Socket Flare)	Liquid Side	inch(mm)	1/4"(6.35)	1/4"(6.35)
	Gas Side	inch(mm)	1/2"(12.7)	5/8"(15.88)
	Length, std	m	5	5
	Max length/elevation	m	30/15	30/15
Drain hose	In /Out Diameter	mm	26/32	26/32

- Nominal Capacity are based on (Equivalent refrigerant piping : 5m , Level differences : 0m);
 - Cooling : Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, 24°C WB
 - Heating : Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
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CAC Specification

Model	Indoor Unit		NS0364HREA	NS0364HREA	NS0484HREA	
	Outdoor Unit		RC036FQREA	RC036FQRGA	RC048FORGA	
COMMON	Capacity (90% ↑)	Cooling(ISO)	Btu/hr	36,000	36,000	48,000
		Heating(ISO)	Btu/hr	36,000	36,000	50,000
	Input (110% ↓)	Cooling(ISO)	W	3,700	3,700	5,395
		Heating(ISO)	W	3,450	3,200	5,390
	Running Current (110% ↓)	Cooling(ISO)	A	15.20	6.20	9.5
		Heating(ISO)	A	14.20	5.70	9.5
	Power Supply	φ,V,Hz		1/220-240~/50Hz	3N/380-415~/50Hz	3/380-415/50
		Cooling(ISO)	Btu/Wh	9.73	9.73	8.90
	EER/COP (95% ↑)	Heating(ISO)	Btu/Wh	10.43	11.25	9.28
		Option Code		045000-1F0000	045000-1F0000	045000-130000
	Refrigerant Control			EEV	EEV	EEV
	Refrigerant Charge		g_type	2400,R22	2550,R22	2800g, R22
	Additional Refrigerant Charge		g/m			40
	Indoor	Chassis		VIPS 1	VIPS 1	VIPS 1
		Motor Fan	Model		YGN58-68	YGN58-68
Maker			JEAMO	JEAMO	JEAMO	
No. of Poles			6	6	6	
Input			W	135	135	167
Running Current			A	0.60	0.60	0.77
Indoor Fan		Capacitor		μF/Vac	3.5μF/450Vac	3.5μF/450VAC
		Type		Turbo Fan	Turbo Fan	Turbo
		No. Used / Diameter	EA/mm	7/Φ462	7/Φ462	1/Φ462
Fan(H/M/L)		rpm	600/570/540±50	600/570/540±50	660/620/580±40	
Temperature Controller			Thermistor	Thermistor	Thermistor	
Indoor Coil		Tube Size (OD)	mm	7.0	7.0	7.0
		Fin pitch	mm	1.3	1.3	1.4
		Fin Type / Coating		Slit,Hydrphilic	Slit,Hydrphilic	Louver,Hydrophilic
		No. of Rows & Column		2R13C	2R13C	3R13C
Set Dimensions (W*H*D)	Net	mm	840*298*840	840*298*840	840*298*840	
	Gross	mm	925*360*925	925*360*925	925*360*925	
	Weight (Net/Gross)	kg	29/35	29/35	30.5/37	
Sound Level (Cooling/ Heating)	Pressure Level (High)	dB(A)±3	49/49	49/49	51/51	
	Chassis		S50-1	S50-1	S50-2	
Compressor	Locked Rotor Amp.		A	103	42	
	Type			Scroll	Scroll	
	Quantity	No	-	-	1	
	Model			C-SBR120H15P	C-SB263H8A	63T510BTAHV-SS
	Maker			Sanyo	Sanyo	Samsung
Outdoor Coil	Capacity	Btu/hr	33,100	32,755	51,900	
	Tube Size (OD)	mm	7	7	7.0	
	Fin pitch	mm	1.4	1.4	1.4	
	Fin Type / Coating		Louver,Hydrphilic	Louver,Hydrphilic	Slit,Hydrophilic	
No. of Rows & Column			2R42C	2R42C	2R52C	
Motor Fan	Model		YDK140-120-4D	YDK140-120-4D	YDK120-93-6SX05/05A	
	Maker		CRBSM	CRBSM	CRBSM	
	No. of Poles		6	6	6	
	Input	W	217/103	217/103	141	
	Running Current	A	0.93/0.45	0.93/0.45	0.65	
Outdoor Fan	Capacitor		μF/Vac	6μF/450Vac	6μF/450Vac	
	Type		Propeller	Propeller	Propeller	
	No. Used / Diameter	EA/mm	3/Φ460	3/Φ460	2/Φ460	
	Type	Top / Side	Side	Side	Side	
EEV	Speed		rpm	960± 50	960± 50	
	Model			DPF(Q)2.2C-05-RK(E)	DPF(Q)2.4C-11-RK(E)	
Sound Level (Cooling/ Heating)	Maker		Sanhua	Sanhua	Sanhua	
	Pressure level	dB(A)±3	64/65	64/65	62/63	
	Net	mm	880*931*320	880*931*320	932*1128*375	
Dimensions (W*H*D)	Gross	mm	1043*1062*411	1043*1062*411	1091*1286*472	
	Weight (Net/Gross)	kg	90/95	90/95	104/114	
	Accumulator	ml	1000	1000	1500	
Connecting Tube (Ø Socket Flare)	Liquid Side	inch(mm)	3/8"(9.52)	3/8"(9.52)	3/8"(9.52)	
	Gas Side	inch(mm)	5/8"(15.88)	5/8"(15.88)	3/4"(19.05)	
	Length, std	m	5	5	5	
	Max length/elevation	m	50/30	50/30	50/30	
Drain hose	In./Out Diameter	mm	26/32	26/32	26/32	

Memo



- Nominal Capacity are based on (Equivalent refrigerant piping : 5m , Level differences : 0m);
 - Cooling : Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, 24°C WB
 - Heating : Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
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Memo



2011 SAMSUNG SYSTEM AIR CONDITIONER

cac Tropical



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