

SANYO

**Air Conditioning
& Heat Pump Products**

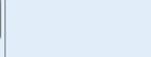
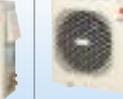
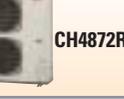
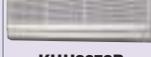
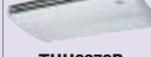
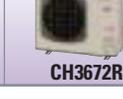


A
NEW
GENERATION

...For Tomorrow



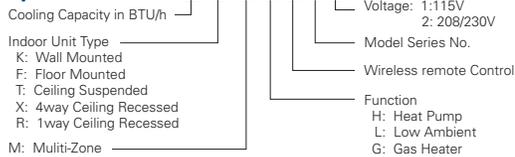
SANYO Air Conditioners & Heat Pumps

BTU/h		9,000		12,000		18,000		24,000		26,000		30,000		36,000		48,000							
Type		Standard	Low Ambient	Standard	Low Ambient	Standard	Low Ambient	Standard	Low Ambient	Standard	Low Ambient	Standard	Low Ambient	Standard	Low Ambient	Standard	Low Ambient						
MODEL (System)		09KS71	09KLS71	12KS71	12KLS71	18KS72	18KLS72	24KS72	24KLS72	24KS62R	24KLS62R	26KS72R	26TS72R	26XS72R	26US72R	30KS72R	36KS72R	36XS72R	36TS72R	36US72R	48TS72R	48XS72R	
AIR CONDITIONER	Wall Mounted	 KS0971	 KS1271	 KS1872	 KS2472R	 KS2462R	 KH2672R	 KH3072R	 KH3672R														
	Ceiling Suspended									 TH2672R					 TH3672R	 TH4872R							
	Ceiling Recessed									 XH2672R					 XH3672R	 XH4872R							
	Concealed Duct									 UH2672R					 UH3672R								
	Outdoor	 C0971	 CL0971	 C1271	 CL1271	 C1872	 CL1872	 C2472	 CL2472	 C2462R for KS2462R CL2462R	 C2672R for KH2672R, TH2672R, XH2672R, UH2672R	 C3072R	 C3672R	 C4872R									
MODEL (System)		09KHS71	12KHS71	18KHS72	24KHS72	26KH72R		26TH72R		26XH72R		26UH72R		30KH72R	36KH72R	36TH72R	36XH72R	36UH72R	48TH72R	48XH72R			
HEAT PUMP WITHOUT HEATER	Wall Mounted	 KHS0971	 KHS1271	 KHS1872	 KHS2472	4 SERIES HEAT PUMPS						 KH2672R	 KH3072R	 KH3672R									
	Ceiling Suspended										 TH2672R				 TH3672R	 TH4872R							
	Ceiling Recessed										 XH2672R				 XH3672R	 XH4872R							
	Concealed Duct										 UH2672R				 UH3672R								
	Outdoor	 CH0971	 CH1271	 CH1872	 CH2472	 CH2672R	 CH3072R	 CH3672R for KH3642, TH3642, XH3642, UH3642	 CH4872R														
MODEL (System)										26KHH72R	26THH72R			36THH72R									
HEAT PUMP WITH HEATER	Wall Mounted									 KHH2672R													
	Ceiling Suspended									 THH2672R				 THH3672R									
	Outdoor									 CH2672R			 CH3672R										

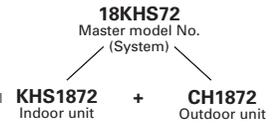
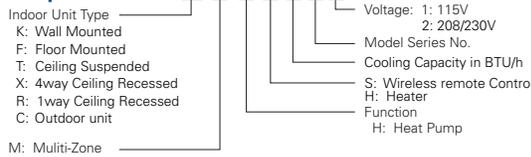
Models with "L" in the Model No. are Low Ambient Type units that operates in the A/C mode down to 0°F ambient temperature.

Model Identification

System



Component



Flexi Multi Inverter

BTU/h		7,000		9,000		12,000		18,000		24,000	
Type		Standard	Low Ambient								
AIR CONDITIONER	Wall Mounted										
		KMS0772		KMS0972		KMS1272		KMS1872		KMS2472	
BTU/h		19,000		24,000		31,000					
Type		Standard	Low Ambient	Standard	Low Ambient	Standard	Low Ambient				
AIR CONDITIONER	Outdoor										
		CM1972	CLM1972	CM2472	CLM2472	CM3172	CLM3172				
BTU/h		7,000		9,000		12,000		18,000		24,000	
HEAT PUMP	Wall Mounted										
		KMHS0772		KMHS0972		KMHS1272		KMHS1872		KMHS2472	
BTU/h		19,000		24,000		31,000					
HEAT PUMP	Outdoor										
		CMH1972		CMH2472		CMH3172					

STW-2 Series



		Heater	7000	9000	12000	14000
COOL W/ HEATER	230/208V	2.55kW	STW0622C2	STW0922C2	STW1222C2	
		3.45kW	STW0623C2	STW0923C2	STW1223C2	STW1523C2
	265V	5.00kW		STW0925C2	STW1225C2	STW1525C2
		3.00kW	STW0633C2	STW0933C2	STW1233C2	
HEAT PUMP W/ HEATER	230/208V	4.00kW	STW0634C2	STW0934C2	STW1234C2	STW1534C2
		5.00kW		STW0935C2	STW1235C2	STW1535C2
	265V	2.55kW	STW0622H2	STW0922H2	STW1222H2	
		3.45kW	STW0623H2	STW0923H2	STW1223H2	STW1523H2
265V	5.00kW		STW0925H2	STW1225H2	STW1525H2	
	3.00kW	STW0633H2	STW0933H2	STW1233H2		
	4.00kW	STW0634H2	STW0934H2	STW1234H2	STW1534H2	
	5.00kW		STW0935H2	STW1235H2	STW1535H2	

STB-1 Series



		V	8000	10000	12000
COOLING ONLY	115V	230/208	STB0810C1	STB1010C1	
				STB1020C1	STB1220C1
COOLING W/HEATER	115V	230/208	STB0811C1		
HEAT PUMP W/HEATER	230/208			STB1023C1	STB1123C1
				STB0823H1	



MODEL FEATURE CHART

OP: Option

		AIR CONDITIONERS								LOW-AMBIENT AIR CONDITIONERS							
	Wall Mounted	09KS71 12KS71	18KS72 24KS72	24KS62R	26KS72R	30KS72R 36KS72R			09KLS71 12KLS71 18KLS72	24KLS72R	24KLS62R	26KS72R	30KS72R 36KS72R				
	Ceiling Suspended						26TS72R 36TS72R 48TS72R							26TS72R 36TS72R 48TS72R			
	Ceiling Recessed							26XS72R 36XS72R 48XS72R							26XS72R 36XS72R 48XS72R		
	Concealed Duct															26US72R 36US72R	
	Apatite Filter	●	●	-	-	-	-	●	●	-	-	-	-	-	-	-	
	Negative Ion Generator	●	●	-	-	-	-	●	●	-	-	-	-	-	-	-	
	Microprocessor-Controlled Operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Wireless Remote Control	●	●	●	OP	OP	OP	OP	●	●	●	OP	OP	OP	OP	OP	
	Wired Remote Control	-	-	OP	OP	OP	OP	OP	-	OP	OP	OP	OP	OP	OP	OP	
	Self-Diagnosing Function	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Dry Mode	●	●	●	-	-	-	-	●	●	●	-	-	-	-	-	
	3 Fan Speeds and Automatic Fan Operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Air Sweep Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	
	Louver Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	
	Automatic Heating and Cooling Changeover	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Night Setback Mode for Cooling and Heating	●	●	●	OP	OP	OP	OP	●	●	●	OP	OP	OP	OP	OP	
	Hot Start Heating System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24-Hour Clock with ON/OFF Program Timer	●	●	●	OP	OP	OP	OP	-	-	-	OP	OP	OP	OP	OP	
	12-Hour ON/OFF Timer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	72-Hour ON/OFF Timer	-	-	-	OP	OP	OP	OP	-	-	-	OP	OP	OP	OP	OP	
	1-Hour OFF Timer	●	●	●	-	-	-	-	●	●	●	-	-	-	-	-	
	Weekly Timer	-	-	-	OP	OP	OP	OP	-	-	-	OP	OP	OP	OP	OP	
	System Controller	-	-	-	OP	OP	OP	OP	-	-	-	OP	OP	OP	OP	OP	
	Anti-Mold Filter	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	
	Filter Sign	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Automatic Restart Function after Power Failure	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Fresh Air Intake	-	-	-	-	-	●	OP	-	-	-	-	-	●	OP	-	
	Duct Extension	-	-	-	-	-	-	●	-	-	-	-	-	-	●	●	
	Built-In Drain Pump	-	-	-	-	-	-	●	-	-	-	-	-	-	●	●	
	Low Ambient Operation	-	-	-	-	-	-	-	●	●	●	●	●	●	●	●	
	Electric Expansion Valve	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ODP=0 Refrigerant	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

Features



Microprocessor-controlled Operation

Microprocessor control ensures that the temperature and humidity levels in the room are always comfortable.



Wireless Remote Control

Sanyo's infrared Remote Control with an easy-to-read LCD Display, gives the user the capability to adjust & set: temperature, sweep (louver control), fan speeds, timer, night setback and more, for complete automatic operation.



Dry Mode

By coupling compressor and fan operation, intermittent operation can be precisely controlled according to room temperature, so that air is efficiently dehumidified.



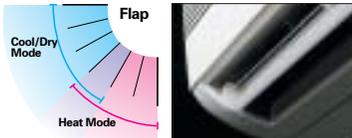
3 Fan speeds and Automatic Fan Operation

Convenient microprocessor control automatically adjusts fan speed to High, Medium or Low. According to room temperature to maintain a comfortable airflow throughout the room.



Air Sweep Control

The air sweep function moves the louver up and down in the air outlet, directing air in a "sweeping" motion around the room and providing comfort in every corner.



Negative Ions Generator

The abundance of negative ions is found near waterfalls and forests. The negative ion generator fills your room with negative ions throughout the year.

*Ion generating power - over 100,000 parts/cc



Louver Control

Louver can be manually set to the desired angle by remote control.



Automatic Heating and Cooling Changeover

After setting the temperature and functions you desire, just relax. If the room temperature is higher than the set temperature, cooling operation begins. If the room temperature is lower than the set temperature, heating operation begins. During normal thermostat cycle operation, cooling and heating operations automatically change in accordance with set temperature, time and room temperature. (Heat Pump unit only)



1-hour OFF Timer

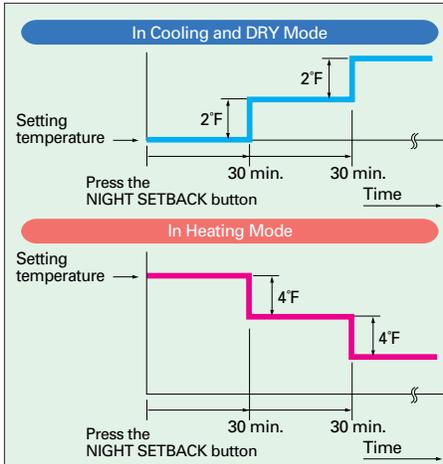
When this button is pushed either while the unit is operating or while it is stopped, the unit will operate for one hour and then switch off automatically.



Night Setback Mode for Cooling and Heating

Cooling and DRY Mode: With the Night Setback Mode, the air conditioner automatically raises the setting temperature 2°F after 30 minutes, and then another 2°F after the next 30 minutes.

Heating Mode: With the Night Setback Mode, the setting temperature is automatically lowered 4°F after 30 minutes, and then another 4°F after the next 30 minutes. This saves energy without sacrificing comfort and is ideal for gentle cooling and heating.



Automatic Restart Function after Power Failure

This feature allows the system to automatically resume operation at its preset program, after power is restored from a power failure.



Hot Start Heating System

Right from the start, air is warm and comfortable. The Hot Start Heating System prevents any cold blasts at the beginning while the heat pump is warming up. (Heat pump unit only)



24-hour Clock with ON/OFF Program Timer

The remote control unit allows you to set a wide variety of timer-based operations. Such functions include automatic ON/OFF with a timer setting, same time ON/OFF every day, ON timer, OFF timer and Combination timer.



12-hour ON/OFF Timer

This timer can be set to automatically turn the unit on or off at any time within a 12-hour period.



Air Clean Apatite Filter

Apatite or calcium phosphate is highly effective in trapping germs, mites and mite excrement, pollen, dirt and dust, and cigarette odor. The triple layered air clean apatite filter consists of antibacterial, deodorizing, and dust-collecting sections that maintain healthy, clean air in your room.



ON/OFF Timer

Remote controller (RCS-SH80UG)

ON/OFF timer can be set to 0.5 hour gradations (max. 72 hours).



Anti-mold Filter

Filter is treated with anti-mold chemicals to prevent mold or bacteria from occurring.



Built-in Drain Pump

Max. head 30 inches¹ from the bottom of the unit. (condensate pump is only for allowing drain line to meet minimum gravity flow requirements.)

¹: Excluding RS1211



Electric Refrigerant Control Valve

The circulation volume of the refrigerant is controlled by a pulse type electric control valve. In order to attain optimum efficiency, when the power is switched ON, the opening degree of the electric control valve is controlled between 90 and 480 steps.

Additional Features



Filter Sign

Filter sign informs you when maintenance is necessary.

2,500 hrs: X, T-types

150 hrs: K-type



(RCS-TM80BG)



Self-diagnosing Function

Details of previous warnings are stored and can be verified on the liquid crystal display. This makes it easier to diagnose malfunctions, greatly reducing service labor. (Wired remote controller)



(RCS-TM80BG)

Additional Features

Wired remote controllers (Optional)

Timer Remote Controller (RCS-TM80BG)



- Group (collective) control of up to 8 indoor units (maximum) with a remote controller is possible.
- Control with multiple remote controls (main/sub) is possible (max.2).
- Operating status appears on a large crystal display, and service check function is also provided.
- Comes with 72-hour ON/OFF timer.
- Size (inch): 4-23/32(H) x 4-23/32(W) x 5/8(D)

System Controller (SHA-KC64UG)



- Used in combination with remote controllers, the system controller can control up to 64 groups of indoor units (max. 64 indoor units).
- Separating the 64 indoor units into 4 zones, each zone can be controlled individually.
- Up to 16 groups (indoor units) can be registered to each zone.
- Collective control and individual group (unit) control can also be performed.
- System without remote controller is also available.
- Up to 2 system controllers (1 main, 1 sub) can be installed in a system.
- Alarm and operation outputs for an external collected signal are available (potential free contact).

Wireless remote controllers (Optional)

Wireless Remote Controller	Applicable Unit	X-series (Ceiling Recessed Type)		For All Indoor Units			
		T-series (Ceiling Suspended Type)		U-series	K-series	X-series	T-series
	BUILT-IN TYPE <ul style="list-style-type: none"> • Signal receiving unit can be installed in the outer panel of indoor unit. • Control panel can be installed in the inside indoor unit. <p>RCS-SH80UA-WL</p>	EXTERNAL TYPE <ul style="list-style-type: none"> • Separate type signal receiving unit. <p>RCS-BH80UA-WL</p>					

Remote controllers functions

		Timer Remote Controller (RCS-TM80BG)	System Controller (SHA-KC64UG)	
Function	ON/OFF	●	● (Collective/Individual)	
	Operation mode switch	Heating	●	● (Individual)
		Dry	●	● (Individual)
		Cooling	●	● (Individual)
		Fan	●	● (Individual)
	Temp setting	●	● (Individual)	
	Fan speed setting (Hi/Mid./Lo/Auto)	●	● (Individual)	
	Auto flap	Auto airflow direction setting	●	●*
		Arbitrary airflow direction setting	●	●*
	Sweep (Flap swing)	●	●	
72 hr. ON/OFF timer	●	×		
Sensor temp. display	●	×		
Self-diagnostic function	●	●		
System	Central control (at hand inhibited)	×	●	
	Group control	● (Up to 8 units)	● (Up to 16 groups)	
	Concurrent use with weekly timer	●	●	
Setting Range	Cooling, dry (°F)		65 – 86	
	Heating (°F)		61 – 79	

●: Controllable
×: Uncontrollable

NOTE:

*This function is not usable for indoor unit which is connected to a remote controller.

NOTE:

If you use both remote controller and system controller concurrently, both controllers can be used on a last-signal priority basis.

Wall-Mounted Air Conditioners



09KS71/09KLS71

12KS71/12KLS71

Indoor Unit

KS0971

KS1271



Outdoor Unit

C0971/CL0971

C1271/CL1271



18KS72

18KLS72

24KS72/24KLS72

Indoor Unit

KS1872

KS2472



Outdoor Unit

C1872/CL1872



Outdoor Unit

C2472/CL2472



LOW AMBIENT
Only for 09KLS71, 12KLS71, 18KLS72, 18KLS72

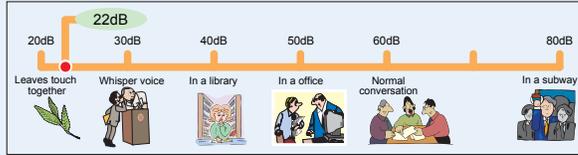
Wall Mounted Air Conditioners

Model No.	09KS71 / 09KLS71		12KS71 / 12KLS71		18KS72 / 18KLS72		24KS72 / 24KLS72	
	Indoor Unit KS0971	Outdoor Unit C0971/CL0971	Indoor Unit KS1271	Outdoor Unit C1271/CL1271	Indoor Unit KS1872	Outdoor Unit C1872/CL1872	Indoor Unit KS2472A	Outdoor Unit C2472/CL2472
Performance & Electrical Ratings								
Capacity	Cooling	Btu/h	9,000(3,100-9,000)	11,900(3,100-11,900)	17,600(4,100-17,700)	24,200(4,100-24,200)		
	Heating	Btu/h	---	---	---	---		
Moisture Removal	High	Pints/H	3.4	4.26	4.89	4.89		
Dry Air Flow	Hi/Med/Low	CFM	282(High)	294(High)	524(High)	600(High)		
SEER	Cooling		16	16	16	16		
EER	Cooling							
HSPF	Heating		---	---	---	---		
COP	Heating		---	---	---	---		
Power Supply	V, Phase, Hz		115V, 1PH, 60Hz	115V, 1PH, 60Hz	230 / 208V, 1PH, 60Hz	230 / 208V, 1PH, 60Hz		
Running Amps	Cooling	A	7.6(2.5-7.6)	10.9(2.5-10.9)	7 / 7.7(1.2-7.7)	10.8 / 12.1(1.3-12.1)		
	Heating	A	---	---	---	---		
Power Input	Cooling	W	755(250-755)	1,090(250-1,090)	1,500 / 1,500(250-1,500)	2,355 / 2,355(280-2,355)		
	Heating	W	---	---	---	---		
Back-up Heater		kW	---	---	---	---		
Maximum Fuse Size Amps		A	20	20	20	20		
Features								
Controls	Microcomputer		Microcomputer		Microcomputer		Microcomputer	
Low Ambient Control	Equip		Equip		Equip		Equip	
Wireless Remote Controller	---		---		---		Optional (RCS-KS2432AWD)	
Wired Remote Controller	---		---		---		---	
Fan Speeds	Hi/Me/Lo & Auto		Hi/Me/Lo & Auto		Hi/Me/Lo & Auto		Hi/Me/Lo & Auto	
Timer	1hr OFF and 24-hr PROGRAM		1hr OFF and 24-hr PROGRAM		1hr OFF and 24-hr PROGRAM		1hr OFF and 24-hr PROGRAM	
Air Deflection	Horizontal	Manual	Manual	Manual	Manual	Manual	Manual	Manual
	Vertical	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Air Filter	Washable		Washable		Washable		Washable	
Refrigerant	R-410A		R-410A		R-410A		R-410A	
Refrigerant control	Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi/Me/Lo)	dB-A	34/31/28	36/33/29	42/38/30	47/44/41		
	Outdoor(Hi)	dB-A	46	47	51	55		
Refrigerant Piping	Type	Flare Type	Flare Type	Flare Type	Flare Type	Flare Type	Flare Type	Flare Type
	Discharge	1/4" Discharge	1/4" Discharge	1/4" Discharge	1/4" Discharge	1/4" Discharge	1/4" Discharge	1/4" Discharge
	Suction	3/8" Suction	3/8" Suction	3/8" Suction	1/2" Suction	1/2" Suction	5/8" Suction	5/8" Suction
Refrigerant Pipe Length**		Ft.	Max. 50Ft	Max. 65Ft	Max. 100Ft	Max. 100Ft		
Elevation Difference	Outdoor Above	Ft.	Max. 23Ft	Max. 23Ft	Max. 50Ft	Max. 50Ft		
	Outdoor Below	Ft.	Max. 23Ft	Max. 23Ft	Max. 50Ft	Max. 50Ft		
Dimensions & Weight								
Height	inches		Indoor Unit 11-7/32" Outdoor Unit 21-9/16"	Indoor Unit 11-7/32" Outdoor Unit 21-9/16"	Indoor Unit 11-23/32" Outdoor Unit 26-3/8"	Indoor Unit 11-23/32" Outdoor Unit 29-1/8"		
Width	inches		32-15/32" 28-11/32"	32-15/32" 28-11/32"	41-15/16" 34-21/32"	41-15/16" 35-7/16"		
Depth	inches		7-7/16" 10-7/16"	7-7/16" 10-7/16"	8-19/32" 11-7/32"	8-19/32" 12-19/32"		
Net Weight	Lbs.		19.8 72.8	19.8 75.0	26.5 90.4	26.5 119.0		
Approvals								

** This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalogue for more detail.)

Super Quiet: 22dB (at Quiet Mode)

With the sound level during operation at 22dB-A, Shiki Sai Kan provide you quality of the time spent resting and relaxing.



24KS62R/24KLS62R

26KS72R

**Indoor Unit
KS2462R
KH2672R**



**Outdoor Unit
C2462R/CL2462R
C2672R**



30KS72R

36KS72R

**Indoor Unit
KH3072R
KH3672R**



**Outdoor Unit
C3072R
C3672R**



Wall Mounted Air Conditioners									
Model No.	24KS62R / 24KLS62R		26KS72R		30KS72R		36KS72R		
	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	
Unit Model No.	KS2462A	C2462R/CL2462R	KH2672R	C2672R	KH3072R	C3072R	KH3672R	C3672R	
Performance & Electrical Ratings									
Capacity	Cooling	Btu/h	22,800/22,400		26,000(9,500-26,00)		30,000(9,500-30,000)		33,500(9,500-33,500)
	Heating	Btu/h	---		---		---		---
Moisture Removal	High	Pints/H	7.2/7.2		6.5		9.7		10.6
Dry Air Flow	Hi/Med/Low	CFM	650 / 580 / 520		559 / 475 / 390		840 / 740 / 620		830 / 710 / 590
SEER	Cooling		10.0 / 10.0		16.0		15.0		16.0
EER	Cooling		9.7 / 9.7		12.1 / 11.8		10.4 / 10.5		10.3 / 10.6
HSPF	Heating		---		---		---		---
COP	Heating		---		---		---		---
Power Supply	V, Phase, Hz		230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz
Running Amps	Cooling	A	10.9 / 11.5		17.3	19.1	17.3	19.1	17.5
	Heating	A	---		---		---		---
Power Input	Cooling	W	2,340 / 2,300		3,670		3,670 / 3,670		3,700 / 3,700
	Heating	W	---		---		---		---
Back-up Heater		kW	---		---		---		---
Maximum Fuse Size Amps		A	25		35		30		35
Features									
Controls			Microcomputer		Microprocessor		Microprocessor		Microprocessor
Low Ambient Control			24KLS72A Equip.		Built-in 0°F		Built-in 0°F		Built-in 0°F
Wireless Remote Controller			Equip		RCS-SH1UA / RCS-BH80UA.WL		RCS-SH1UA / RCS-BH80UA. WL		RCS-SH1UA / RCS-BH80UA. WL
Wired Remote Controller			Optional (RCS-KS2432AWD)		Optional (RCS-SH80UG)		Optional (RCS-SH80UG)		Optional (RCS-SH80UG)
Fan Speeds			3 + Automatic		3 and Automatic Control/Variable		3 and Automatic Control/Variable		3 and Automatic Control/Variable
Timer			On / Off / 24hr Program 1hr Off		On / Off / 24hr Program 1hr Off		On / Off / 24hr Program 1hr Off		On / Off / 24hr Program 1hr Off
Air Deflection	Horizontal		Manual		---		---		---
	Vertical		Automatic		Automatic		Automatic		Automatic
Air Filter			Washable		Washable		Washable		Washable
Refrigerant			R-41A		R-410A		R-410A		R-410A
Refrigerant control			Capillary Tube		Electronic Expansion Control Valve		Electronic Expansion Control Valve		Electronic Expansion Control Valve
Operation Sound	In(Hi/Me/Lo)	dB-A	47 / 42 / 38		48 / 42 / 38		46 / 42 / 38		48 / 44 / 40
	Outdoor(Hi)	dB-A	53		49		52		52
Refrigerant Piping	Type		Flare Type		Flare Type		Flare Type		Flare Type
	Discharge	inches	3/8" Discharge		3/8" Discharge		3/8" Discharge		3/8" Discharge
	Suction	inches	3/4" Suction		5/8" Suction		5/8" Suction		5/8" Suction
Refrigerant Pipe Length**		Ft.	Max. 132Ft		Max. 165Ft		Max. 165Ft		Max. 165Ft
Elevation Difference	Outdoor Above	Ft.	Max. 50Ft		Max. 100Ft		Max. 100Ft		Max. 100Ft
	Outdoor Below	Ft.	Max. 50Ft		Max. 50Ft		Max. 50Ft		Max. 50Ft
Dimensions & Weight									
Height		inches	Indoor Unit 13" Outdoor Unit 28-15/16"		Indoor Unit 13" Outdoor Unit 30-23/32"		Indoor Unit 14-9/16" Outdoor Unit 30-23/32"		Indoor Unit 14-9/16" Outdoor Unit 30-23/32"
Width		inches	44-7/8" 37"		44-7/8" 37"		59-1/16" 37"		59-1/16" 37"
Depth		inches	8-31/32" 13-3/8"		8-31/32" 13-3/8"		9-7/16" 13-3/8"		9-7/16" 13-3/8"
Net Weight		Lbs.	40.0 150.0		40.0 128.0		63.9 143.0		72.8 143.0
Approvals									

* Field installed ** This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalogue for more detail.)

Wall-Mounted Heat Pump



Indoor Unit
KHS0971
KHS1271

09KHS71
12KHS71



WASHABLE FRONT GRILLE



Outdoor Unit
CH0971
CH1271



Outdoor Unit
CH1872

Outdoor Unit
CH2472



Indoor Unit
KHS1872

18KHS72
24KHS72



Above models do not have back up heater

Wall Mounted Heat Pump										
Model No.	09KHS71		12KHS71		18KHS72		24KHS72			
Unit Model No.	Indoor Unit KHS0971	Outdoor Unit CH0971	Indoor Unit KHS1271	Outdoor Unit CH1271	Indoor Unit KHS1872	Outdoor Unit CH1872	Indoor Unit KHS2472	Outdoor Unit CH2472		
Performance & Electrical Ratings										
Capacity	Cooling	Btu/h	9,000(3,100-9,000)	12,300(3,100-12,300)	11,900(3,100-11,900)	14,300(3,100-14,300)	17,600(4,100-17,700)	20,500(4,400-20,500)	24,200(4,100-24,200)	29,000(4,400-29,000)
	Heating	Btu/h	10,900		11,700		19,000 / 18,500		25,000 / 24,300	
Moisture Removal	High	Pints/H	3.4		4.26		4.89		4.89	
Dry Air Flow	Hi/Med/Low	CFM	282(High)	312(High)	294(High)	312(High)	524(High)	541(High)	600(High)	653(High)
SEER	Cooling		16		16		16		16	
EER	Cooling									
HSPF	Heating									
COP	Heating									
Power Supply	V, Phase, Hz		115V, 1PH, 60Hz		115V, 1PH, 60Hz		230V / 208V, 1PH, 60Hz		230V / 208V, 1PH, 60Hz	
Running Amps	Cooling	A	7.6(2.5-7.6)	10.3(2.6-10.3)	10.9(2.5-10.9)	11.7(2.5-11.7)	7/7.7(1.2-7.7)	7.4/8.1(1.3-8.1)	10.8/12.1(1.3-12.1)	12/13.5(1.3-13.5)
	Heating	A								
Power Input	Cooling	W	755(250-755)	995(250-995)	1,090(250-1090)	1,165(250-1165)	1,500/1,500(250-1500)	1,575/1,575(270-1575)	2,355/2,355(280-2355)	2,490/2,490(290-2490)
	Heating	W								
Back-up Heater		kW	---		1,170		---		---	
Maximum Fuse Size Amps		A	20		20		20		20	
Features										
Controls			Microcomputer		Microcomputer		Microcomputer		Microcomputer	
Low Ambient Control										
Wireless Remote Controller			Equip		Equip		Equip		Optional (RCS-BH80UA-WL)	
Wired Remote Controller			---		---		---		Optional (RCS-SH80UG)	
Fan Speeds			Hi/Me/Lo & Auto							
Timer			1hr OFF and 24-hr PROGRAM							
Air Deflection	Horizontal		Manual		Manual		Manual		Manual	
	Vertical		Automatic		Automatic		Automatic		Automatic	
Air Filter			Washable		Washable		Washable		Washable	
Refrigerant			R-410A		R-410A		R-410A		R-410A	
Refrigerant control			Electric Expansion Valve							
Operation Sound	In(Hi/Me/Lo)	dB-A	34 / 31 / 28		36 / 33 / 29		42 / 38 / 30		47 / 44 / 41	
	Outdoor(Hi)	dB-A	46	47	47	49	51	52	55	56
Refrigerant Piping	Type		Flare Type		Flare Type		Flare Type		Flare Type	
	Discharge	inches	1/4" Discharge		1/4" Discharge		1/4" Discharge		1/4" Discharge	
	Suction	inches	3/8" Suction		3/8" Suction		1/2" Suction		5/8" Suction	
Refrigerant Pipe Length**		Ft.	Max. 50Ft		Max. 65Ft		Max. 100Ft		Max. 100Ft	
Elevation Difference	Outdoor Above	Ft.	Max. 23Ft		Max. 23Ft		Max. 50Ft		Max. 50Ft	
	Outdoor Below	Ft.	Max. 23Ft		Max. 23Ft		Max. 23Ft		Max. 100Ft	
Dimensions & Weight										
Height		inches	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			11-7/32"	21-9/16"	11-7/32"	21-9/16"	11-23/32"	26-3/8"	11-23/32"	29-1/8"
Width		inches	32-15/32"	28-11/32"	32-15/32"	28-11/32"	41-15/16"	34-21/32"	41-15/16"	35-7/16"
Depth		inches	7-7/16"	10-7/16"	7-7/16"	10-7/16"	8-19/32"	11-7/32"	8-19/32"	12-19/32"
Net Weight		Lbs.	17.6	75.0	19.8	77.2	26.5	97.0	26.5	130.1
Approvals										

* Field installed ** This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalogue)

*** When air discharge chamber is installed.



**Indoor Unit
KH2672R**



**Outdoor Unit
CH2672R**

26KH72R



**Indoor Unit
KHH2472**



**Outdoor Unit
CH2672R**

26KHH72R



**Indoor Unit
KH3072R
KH3672R**



**Outdoor Unit
CH3072R
CH3672R**

30KH72R

36KH72R



Only for 12KHS32, 18KHS22, 24KHS32

1H Timer Electronic Only for 24KHS32

Model No.	Wall Mounted Heat Pump W/ Heater				Wall Mounted Heat Pump			
	26KHH72R		26KH72R		30KH72R		36KH72R	
Unit Model No.	Indoor Unit KHH2672R	Outdoor Unit CH2672R	Indoor Unit KH2672R	Outdoor Unit CH2672R	Indoor Unit KH3072R	Outdoor Unit CH3072R	Indoor Unit KH3672R	Outdoor Unit CH3672R
Performance & Electrical Ratings								
Capacity	Cooling	Btu/h	23,000(9,500-23,000)	26,000(9,500-26,000)	30,000(9,500-30,000)	33,500(9,500-33,500)		
	Heating	Btu/h	27,500(8,000-27,500)	30,000(8,000-30,000)	35,000(8,000-35,000)	37,000(8,000-37,000)		
Moisture Removal	High	Pints/H	7.4	6.5	9.7	10.6		
Dry Air Flow	Hi/Med/Low	CFM	540 / 460 / 380	559 / 475 / 390	840 / 740 / 620	830 / 710 / 590		
SEER	Cooling		16.0 / 10.4	16.0 / 10.4	15.0 / 9.0	16.0 / 9.0		
EER	Cooling							
HSPF	Heating							
COP	Heating							
Power Supply	V, Phase, Hz		230V / 208V	230V / 208V	230V / 208V	230V / 208V		
Running Amps	Cooling	A	14.0 / 15.5	14.0 / 15.5	17.3 / 19.1	17.5 / 19.4		
	Heating	A	14.5 / 16.0	14.5 / 16.0	16.0 / 17.7	15.5 / 17.1		
Power Input	Cooling	W	2,600 / 2,600	2,600 / 2,600	3,670 / 3,670	3,700 / 3,700		
	Heating	W	2,700 / 2,700	2,700 / 2,700	3,350 / 3,350	3,400 / 3,400		
Back-up Heater		kW	1.8 / 1.47	1.0 / 0.82	1.8 / 1.47	1.8 / 1.47		
Maximum Fuse Size Amps		A	15 / 30	15	30	30		
Features								
Controls			Microprocessor	Microprocessor	Microprocessor	Microprocessor		
Low Ambient Control			Built-in 0°F	Built-in 0°F	Built-in 0°F	Built-in 0°F		
Wireless Remote Controller			RCS-SH1UA/RCS-BH80UA.WL	RCS-SH1UA/RCS-BH80UA.WL	RCS-SH1UA/RCS-BH80UA.WL	RCS-SH1UA/RCS-BH80UA.WL		
Wired Remote Controller			Optional(RCS-SH80UG)	Optional(RCS-SH80UG)	Optional(RCS-SH80UG)	Optional(RCS-SH80UG)		
Fan Speeds			3 and Automatic Control/Variable					
Timer								
Air Deflection	Horizontal		---	---	---	---		
	Vertical		Automatic	Automatic	Automatic	Automatic		
Air Filter			Washable	Washable	Washable	Washable		
Refrigerant			R-410A	R-410A	R-410A	R-410A		
Refrigerant control			Electronic Expansion Control Valve					
Operation Sound	In(Hi/Me/Lo)	dB-A	45 / 42 / 40	48 / 42 / 38	46 / 42 / 38	45 / 42 / 40		
	Outdoor(Hi)	dB-A	49	49	52	53		
Refrigerant Piping	Type		Flare Type	Flare Type	Flare Type	Flare Type		
	Discharge	inches	3/8" Discharge	3/8" Discharge	3/8" Discharge	3/8" Discharge		
	Suction	inches	5/8" Suction	5/8" Suction	5/8" Suction	5/8" Suction		
Refrigerant Pipe Length**		Ft.	Max. 165Ft	Max. 165Ft	Max. 165Ft	Max. 165Ft		
Elevation Difference	Outdoor Above	Ft.	Max. 100Ft	Max. 100Ft	Max. 100Ft	Max. 100Ft		
	Outdoor Below	Ft.	Max. 50Ft	Max. 50Ft	Max. 50Ft	Max. 50Ft		
Dimensions & Weight								
Height		inches	Indoor Unit 14-9/16"	Outdoor Unit 30-23/32"	Indoor Unit 13"	Outdoor Unit 30-23/32"	Indoor Unit 14-9/16"	Outdoor Unit 30-23/32"
Width		inches	49-7/32"	37"	44-7/8"	37"	59-1/16"	37"
Depth		inches	8-9/32"	13-3/8"	8-31/32"	13-3/8"	9-7/16"	13-3/8"
Net Weight		Lbs.	44.1	128.0	40.0	128.0	63.9	143.0
Approvals								

* Field Installed ** This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalogue)

INVERTER Multi-System "Flexi-Multi"

Fits with various size of room and life style

The multi-system type allows a single outdoor unit to be connected to 2 to 4 indoor units. It also solves the problem of limited installation space and does not clutter the exterior of your home.



KMS0772 / KMS0972 / KMS1272

KMH0772 / KMHS0972 / KMHS1272

KMS1872 / KMS2472

KMHS1872 / KMHS2472

Indoor Unit: Wall Mounted Type

		Cooling Only				
Model No.		KMS0772	KMS0972	KMS1272	KMS1872	KMS2472
Power Source	kW			230 / 208V-60Hz		
Capacity	Cooling kW					
	Heating kW					
Unit Dimensions (HxWxD)	mm (inch)	285 x 825 x 189 (11-1/4" x 32-1/2" x 7-1/2")			298 x 1065 x 218 (11-3/4" x 41-15/16" x 8-5/8")	
Weight Net (Shipping)	kg	-	-	-	-	-
Air Circulation (H/L)	Cooling m ³ /h	-	-	-	-	-
	Heating m ³ /h	-	-	-	-	-
Operating Sound (H/L)	Cooling dB-A					
	Heating dB-A					
Refrigerant	Narrow Tube mm (inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Wide Tube mm (inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	15.88 (5/8")

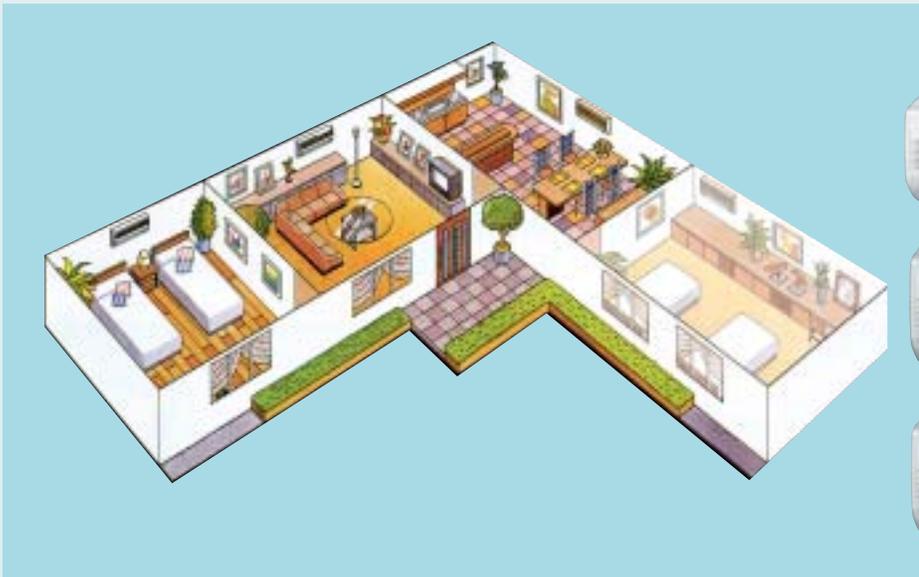
* SAP-DMRV243 can operate only in areas with 50Hz power source. Therefore, do not use it in regions where the source is 60Hz.

		Heat Pump				
Model No.		KMHS0772	KMHS0972	KMHS1272	KMHS1872	KMHS2472
Power Source	kW			230 / 208V-60Hz		
Capacity	Cooling BTU/h (kW)	7,500 (2.20)	9,000 (2.65)	11,900 (3.50)	17,500 (5.15)	24,200 (7.10)
	Heating BTU/h (kW)	8,500 (2.50)	12,200 (3.60)	14,300 (4.20)	20,400 (6.00)	29,000 (8.50)
Unit Dimensions (HxWxD)	mm (inch)	285 x 825 x 189 (11-1/4" x 32-1/2" x 7-1/2")			298 x 1065 x 218 (11-3/4" x 41-15/16" x 8-5/8")	
Weight Net (Shipping)	kg	-	-	-	-	-
Air Circulation (H/L)	Cooling m ³ /h	-	-	-	-	-
	Heating m ³ /h	-	-	-	-	-
Operating Sound (H/L)	Cooling dB-A	33 / 23	34 / 23	36 / 25	42 / 28	45 / 30
	Heating dB-A	33 / 23	34 / 23	34 / 25	41 / 28	44 / 30
Refrigerant	Narrow Tube mm (inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Wide Tube mm (inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	15.88 (5/8")

* SAP-DMRV243 can operate only in areas with 50Hz power source. Therefore, do not use it in regions where the source is 60Hz.

DC Inverter Multi-System Outdoor Unit

Connectable to 2 to 3 Indoor Units



For **3** Rooms



CM1972 / CML1972



CMH1972

Model No.	Outdoor Unit	CM1972 / CLM1972		CMH1972	
		Cooling		Cooling	Heating
Capacity	kW	5.8		5.6	7.3
	Btu/h	19,700		19,100	24,900
Air Circulation (High)	High	m ³ /h			
Type					
Number of Connectable Indoor Units		2 ~ 3		2 ~ 3	
Maximum Capacity of Connected Indoor Units	kW				
Maximum Capacity of Operating Indoor Units	kW				
Electrical Rating					
Power Source					
Voltage Rating	V	230 / 208V 60Hz		230 / 208V 60Hz	
Available Voltage Range	V				
Running Amperes	A				
Power Input	W				
Power Factor	%				
C.O.P.	W/W				
Starting Amperes	A				
Features					
Controls		Microprocessor		Microprocessor	
Fan Speeds		Auto (Hi, Me, Lo)		Auto (Hi, Me, Lo)	
Compressor		DC Inverter		DC Inverter	
Refrigerant/Amount Charged at Shipment	g	R410A / -		R410A / -	
Refrigerant Control		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	Hi	dB-A			
Refrigerant Tubing Connections		Flare Type		Flare Type	
Max. Allowable Tubing Length per Unit	m (Feet)	45 (147.63')		45 (147.63')	
Refrigerant	Narrow Tube	ø (inch)		6.35 (1/4") x 3	
Tube Diameter	Wide Tube	ø (inch)		9.52 (3/8") x 2 / 12.7 (1/2") x 1	
Dimensions & Weight					
Unit Dimensions	H x W x D mm (inch)	740 x 900 x 320 (29-1/8" x 35-1/2" x 12-5/8")		740 x 900 x 320 (29-1/8" x 35-1/2" x 12-5/8")	
Package Dimensions	H x W x D mm				
Weight	Net (Shipping)	Kg			
Shipping Volume		m ³			

IMPORTANT

It is not possible to connect an outdoor unit to only a single indoor unit. If operated with only ONE indoor unit installed, the returning refrigerant to the compressor may cause a malfunction.

DC Inverter Multi-System Outdoor Unit

Connectable to 2 to 3 Indoor Units



For **3** Rooms



CM2472 / CML2472



CMH2472

Model No.	Outdoor Unit	CM2472 / CLM2472	CMH2472	
Performance		Cooling	Cooling	Heating
Capacity	kW	7.5	6.8	8.6
	Btu/h	25,500	23,200	29,300
Air Circulation (High)	High			
	m ³ /h			
Type				
Number of Connectable Indoor Units		2 ~ 3	2 ~ 3	
Maximum Capacity of Connected Indoor Units	kW			
Maximum Capacity of Operating Indoor Units	kW			
Electrical Rating				
Power Source				
Voltage Rating	V	230 / 208V 60Hz		230 / 208V 60Hz
Available Voltage Range	V			
Running Amperes	A			
Power Input	W			
Power Factor	%			
C.O.P.	W/W			
Starting Amperes	A			
Features				
Controls		Microprocessor	Microprocessor	
Fan Speeds		Auto (Hi, Me, Lo)	Auto (Hi, Me, Lo)	
Compressor		DC Inverter	DC Inverter	
Refrigerant/Amount Charged at Shipment	g	R410A/-	R410A / -	
Refrigerant Control		Electric Expansion Valve	Electric Expansion Valve	
Operation Sound	Hi			
	dB-A			
Refrigerant Tubing Connections		Flare Type	Flare Type	
Max. Allowable Tubing Length per Unit	m (Feet)	60 (196.85')	60 (196.85')	
Refrigerant	Narrow Tube	ø (inch)	6.35 (1/4") x 3	
Tube Diameter	Wide Tube	ø (inch)	9.52 (3/8") x 2 / 12.7 (1/2") x 1 / 15.88 (5/8") x 1	
Dimensions & Weight				
Unit Dimensions	H x W x D mm (inch)	740 x 900 x 320 (29-1/8" x 35-1/2" x 12-5/8")		740 x 900 x 320 (29-1/8" x 35-1/2" x 12-5/8")
Package Dimensions	H x W x D mm			
Weight	Net (Shipping) Kg			
Shipping Volume	m ³			

IMPORTANT

It is not possible to connect an outdoor unit to only a single indoor unit. If operated with only ONE indoor unit installed, the returning refrigerant to the compressor may cause a malfunction.

Connectable to 2 to 4 Indoor Units



For **4** Rooms



CM3172 / CML3172



CMH3172

Model No.	Outdoor Unit	CM3172 / CLM3172	CMH3172	
Performance		Cooling	Cooling	Heating
Capacity	kW	9.0	9.0	10.0
	Btu/h	30,700	30,700	29,300
Air Circulation (High)	High			
	m ³ /h			
Type				
Number of Connectable Indoor Units		2 ~ 4	2 ~ 4	
Maximum Capacity of Connected Indoor Units	kW			
Maximum Capacity of Operating Indoor Units	kW			
Electrical Rating				
Power Source				
Voltage Rating	V	230V / 208V 60Hz		230V / 208V 60Hz
Available Voltage Range	V			
Running Amperes	A			
Power Input	W			
Power Factor	%			
C.O.P.	W/W			
Starting Amperes	A			
Features				
Controls		Microprocessor	Microprocessor	
Fan Speeds		Auto (Hi, Me, Lo)	Auto (Hi, Me, Lo)	
Compressor		DC Inverter	DC Inverter	
Refrigerant/Amount Charged at Shipment	g	R410A / -	R410A / -	
Refrigerant Control		Electric Expansion Valve	Electric Expansion Valve	
Operation Sound	Hi			
	dB-A			
Refrigerant Tubing Connections		Flare Type	Flare Type	
Max. Allowable Tubing Length per Unit	m (Feet)	70 (229.66')	70 (229.66')	
Refrigerant	Narrow Tube	ø (inch)	6.35 (1/4") x 3	
Tube Diameter	Wide Tube	ø (inch)	9.52 (3/8") x 2 / 12.7 (1/2") x 1 / 15.88 (5/8") x 1	
Dimensions & Weight				
Unit Dimensions	H x W x D mm (inch)	890 x 900 x 320 (35-1/32" x 35-1/2" x 12-5/8")		890 x 900 x 320 (35-1/32" x 35-1/2" x 12-5/8")
Package Dimensions	H x W x D mm			
Weight	Net (Shipping) Kg			
Shipping Volume	m ³			

IMPORTANT

It is not possible to connect an outdoor unit to only a single indoor unit. If operated with only ONE indoor unit installed, the returning refrigerant to the compressor may cause a malfunction.

Ceiling-Suspended Air Conditioner & Heat



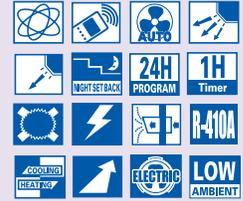
26TS72R/26TH72R

**Indoor Unit
TH2672R**



36TS72R/48TS72R

**Indoor Unit
TH3672R
TH4872R**



**Outdoor Unit
C2672R
CH2672R**



**Outdoor Unit
C3672R
CH3672R**



**Outdoor Unit
C4872R
CH4872R**



26THH72R

**Indoor Unit
THH2672R**



36THH72R

**Indoor Unit
THH3672R**



**Outdoor Unit
CH2672R
CH3672R**



**Outdoor Unit
CH2672R**

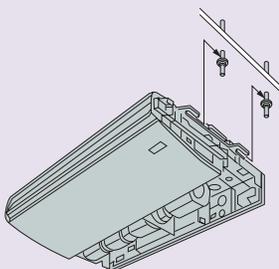


Quiet operation

The ceiling-mounted unit is equipped with a highly efficient, multi-blade centrifugal fan that generates a powerful yet gentle airflow throughout the room. A redesigned aerodynamically tested louver structure minimizes operational sound even at high fan speed.



Improved serviceability / Easy Installation



External suspension method. Installation time can be shortened.



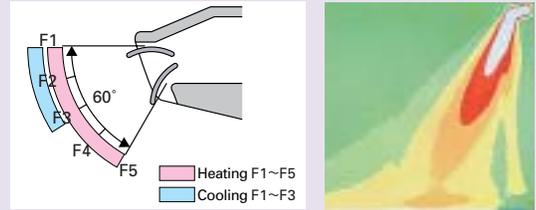
Improved accessibility to electronic components (control box) for servicing.

Model No.		
Unit Model No.		
Performance & Electrical Ratings		
Capacity	Cooling	Btu/h
	Heating	Btu/h
Moisture Removal	High	Pints/H
Dry Air Flow	Hi/Med/Low	CFM
SEER	Cooling	
EER	Cooling	
HSPF	Heating	
COP	Heating	
Power Supply	V, Phase, Hz	
Running Amps	Cooling	A
	Heating	A
Power Input	Cooling	W
	Heating	W
Back-up Heater		kW
Maximum Fuse Size Amps		A
Features		
Controls		
Low Ambient Control (for Cooling)		
Wireless Remote Controller		
Wired Remote Controller		
Fan Speeds		
Timer		
Air Deflection	Horizontal	
	Vertical	
Air Filter		
Refrigerant		
Refrigerant control		
Operation Sound	In(Hi/Me/Lo)	dB-A
	Outdoor(Hi)	dB-A
Refrigerant Piping	Type	
	Discharge	inches
	Suction	inches
Refrigerant Pipe Length**		Ft.
Elevation Difference	Outdoor Above	Ft.
	Outdoor Below	Ft.
Dimensions & Weight		
Height		inches
Width		inches
Depth		inches
Net Weight		Lbs.
Approvals		

Pumps

Auto louver function provides optimum airflow during heating or cooling operation.

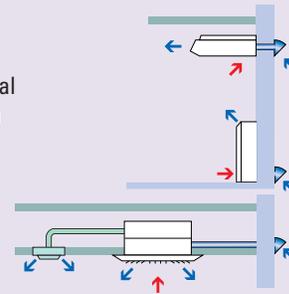
Auto louver function is a standard feature which provide optimum airflow during heating or cooling operation. Angle of louver is automatically set for heating or cooling. For example, when heating with fan speed set to low, the discharge is aimed downward so that warm air reaches the floor. The louver angle can be set to between 4° above and 80° below the horizontal in five steps. An auto sweep function to distribute the airflow over a wide area is also provided. Wind direction is adjusted automatically in both heating and cooling operation. The louver can also be set to swing automatically from F1 to F5 in any operation mode (heat pump type only).



Fresh Air Intake Capability & Duct Extension

(Ceiling Recessed models (X-series))

Ceiling Recessed models (X-series), Ceiling Suspended models (T-series) have the capability of bringing fresh air from outside using an air intake duct (field supplied). (X-series require optional Fresh Air intake plenum) Using Air intake plenum, it is possible to connect an air duct extension (field supplied) to Ceiling Recessed models (X-series) to improve the room air circulation.



Ceiling - Suspended Air Conditioners				Ceiling - Suspended Heat Pumps w/ Heater				Ceiling - Suspended Heat Pumps							
26TS72R		36TS72R		48TS72R		26THH72R		36THH72R		26TH72R		36TH72R		48TH72R	
Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
23,000 (9,500-23,000)		33,500 (9,500-33,500)		42,000 (9,500-42,000)		23,000 (9,500-23,000)		33,500 (9,500-33,500)		23,000 (9,500-23,000)		33,500 (9,500-33,500)		42,000 (9,500-42,500)	
---		---		---		27,500 (8,000-27,500)		37,000 (8,000-37,000)		27,500 (8,000-27,500)		37,000 (8,000-37,000)		44,000 (8,000-44,000)	
7.4		10.6		13.6		7.4		10.6		7.4		10.6		13.6	
550 / 490 / 460		1100 / 930 / 750		1130 / 950 / 775		550 / 490 / 460		1100 / 930 / 750		550 / 490 / 460		1100 / 930 / 750		1130 / 950 / 775	
15.0		16.0		14.5		16.0 / 10.4		16.0 / 9.0		16.0 / 10.4		16.0 / 9.0		14.5 / 8.5	
230/208		230/208		230/208		230/208		230/208		230/208		230 / 208		230 / 208	
17.3 / 19.1		17.5 / 19.4		19.3 / 18.9		14.0 / 15.5		17.5 / 19.4		14.0 / 15.5		17.5 / 19.4		19.3 / 21.3	
3,670 / 3,670		3,700 / 3,700		3,890 / 3,830		2,600 / 2,600		3,700 / 3,700		2,600 / 2,600		3,700 / 3,700		3,890 / 3,890	
						2,700 / 2,700		3,400 / 3,400		2,700 / 2,700		3,400 / 3,400		3,830 / 3,830	
15 / 30		15 / 35		15 / 40		1.8 / 1.47		2.4 / 1.95		1.8 / 1.47		-		-	
15 / 30		15 / 35		15 / 40		15 / 30		15 / 35		15 / 30		15 / 35		15 / 40	
Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Built-in 0°F		Built-in 0°F		Built-in 0°F		Built-in 0°F		Built-in 0°F		Built-in 0°F		Built-in 0°F		Built-in 0°F	
Optional (RCS-SH80UA.WL, RCS-BH80UA.WL)		Optional (RCS-SH80UA.WL, RCS-BH80UA.WL)		Optional (RCS-SH80UA.WL, RCS-BH80UA.WL)		Optional (RCS-SH80UA.WL, RCS-BH80UA.WL)		Optional (RCS-SH80UA.WL, RCS-BH80UA.WL)		Optional (RCS-SH80UA.WL, RCS-BH80UA.WL)		Optional (RCS-SH80UA.WL, RCS-BH80UA.WL)		Optional (RCS-SH80UA.WL, RCS-BH80UA.WL)	
Optional (RCS-SH80UG)		Optional (RCS-SH80UG)		Optional (RCS-SH80UG)		Optional (RCS-SH80UG)		Optional (RCS-SH80UG)		Optional (RCS-SH80UG)		Optional (RCS-SH80UG)		Optional (RCS-SH80UG)	
3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable	
---		---		---		---		---		---		---		---	
Automatic		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic	
Washable		Washable		Washable		Washable		Washable		Washable		Washable		Washable	
R-410A		R-410A		R-410A		R-410A		R-410A		R-410A		R-410A		R-410A	
Electronic Expansion Control Valve		Electronic Expansion Control Valve		Electronic Expansion Control Valve		Electronic Expansion Control Valve		Electronic Expansion Control Valve		Electronic Expansion Control Valve		Electronic Expansion Control Valve		Electronic Expansion Control Valve	
39/37/33		42/40/35		44/41/37		39/37/33		42/40/35		39/37/33		42 / 40 / 35		44 / 41 / 37	
52		52		53		49		52		49		52		53	
Flare Type 3/8" Discharge 5/8" Suction		Flare Type 3/8" Discharge 5/8" Suction		Flare Type 3/8" Discharge 5/8" Suction		Flare Type 3/8" Discharge 5/8" Suction		Flare Type 3/8" Discharge 5/8" Suction		Flare Type 3/8" Discharge 5/8" Suction		Flare Type 3/8" Discharge 5/8" Suction		Flare Type 3/8" Discharge 5/8" Suction	
Max. 165Ft		Max. 165Ft		Max. 165Ft		Max. 165Ft		Max. 165Ft		Max. 165Ft		Max. 165Ft		Max. 165Ft	
Max. 100Ft		Max. 100Ft		Max. 100Ft		Max. 100Ft		Max. 100Ft		Max. 100Ft		Max. 100Ft		Max. 100Ft	
Max. 50Ft		Max. 50Ft		Max. 50Ft		Max. 50Ft		Max. 50Ft		Max. 50Ft		Max. 50Ft		Max. 50Ft	
Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
7-17/32"	30-23/32"	9-7/16"	30-23/32"	9-7/16"	48-7/16"	7-17/32"	30-23/32"	9-7/16"	30-23/32"	7-17/32"	30-23/32"	9-7/16"	30-23/32"	9-7/16"	48-7/16"
51-3/16"	37"	62-1/32"	37"	62-1/32"	37"	51-3/16"	37"	62-1/32"	37"	51-3/16"	37"	62-1/32"	37"	62-1/32"	37"
26-3/8"	13-3/8"	26-3/8"	13-3/8"	26-3/8"	13-3/8"	26-3/8"	13-3/8"	26-3/8"	13-3/8"	26-3/8"	13-3/8"	26-3/8"	13-3/8"	26-3/8"	13-3/8"
57.0	143.0	84.0	143.0	84.0	220.0	64.0	128.0	96.0	143.0	57.0	128.0	84.0	143.0	84.0	220.0

* Field Installed ** This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalogue)

*** When air discharge chamber is installed.

Ceiling-Recessed Air Conditioners & Heat



Indoor Unit
XH2672R

26XS72R



Outdoor Unit
C2672R



Indoor Unit
XH3672R
XH4872R

36XS72R

48XS72R



Outdoor Unit
C3672R
C4872R



Indoor Unit
XH2672R

26XH72R



Outdoor Unit
C2672R



Indoor Unit
XH3672R
XH4872R

36XH72R

48XH72R



Outdoor Unit
CH3672R

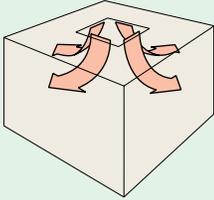


Outdoor Unit
CH4872R

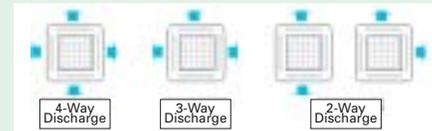


Pump

4-way airflow design sends cool air in all directions



Air is returned through the center of the grille, while evenly distributing air through each of the 4 supply air openings. Installation in the center of the room provides for the greatest comfort. However, 1 or 2 supply louvers can be closed for installation near 1 wall to provide 3 or 2 way airflow. Also, by closing off 1 supply louver, you may attach a duct (field supply) to the upper plenum and provide conditioned air to another, separate area.



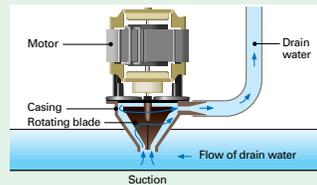
Whisper-quiet operation

Thanks to the newly developed turbo fan and decreased resistance of the air path, one of the industry's lowest levels of noise has been achieved.



Integrated drain pump

Drain pump is built into the unit to raise the drain pipe up 20 inches[†] from the drain pan. †: Excluding RS1211



Fresh Air Intake Plenum (Option)

When used to take in fresh air, attach the fresh air-intake plenum to the unit. Air-intake plenum is optionally supplied. CMB-GSJ80T for XH2672R, CMB-GSJ140T for XH3672R, XH4872R CMB-GSJ80U for XH2672 CMB-GSJ140U for XH3672R, XH4872R



Ceiling - Recessed Air Conditioners												Ceiling-Recessed H/P					
Model No.	26XS72R		36XS72R		48XS72R		26XH72R		36XH72R		48XH72R						
	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit					
Unit Model No.	XH2672R	C2672R	XH3672R	C3672R	XH4872R	C4872R	XH2672R	CH2672R	XH3672R	CH3672R	XH4872R	CH4872R					
Performance & Electrical Ratings																	
Capacity	Cooling	Btu/h	23,000(9,500 ~ 23,000)		33,500(9,500 ~ 33,500)		42,000(9,500 ~ 42,000)		23,000(9,500 ~ 23,000)		33,500(9,500 ~ 33,500)		42,000(9,500 ~ 42,000)				
	Heating	Btu/h	---		---		---		27,500(8,000 ~ 27,500)		37,000(8,000 ~ 37,000)		44,000(8,000 ~ 44,000)				
Moisture Removal	High	Pints/H	8.6		10.5		14.4		8.6		10.5		13.6				
Dry Air Flow	Hi/Med/Low	CFM	710 / 530 / 450		1050 / 840 / 720		1050 / 840 / 720		710 / 530 / 450		1050 / 840 / 720		1050 / 840 / 720				
SEER	Cooling		15.0		16.0		16.0		16.0 / 10.4		16.0 / 9.0		14.5 / 8.5				
EER	Cooling		---		---		---		---		---		---				
HSPF	Heating		---		---		---		---		---		---				
COP	Heating		---		---		---		---		---		---				
Power Supply	V, Phase, Hz		230 / 208		230 / 208		230 / 208		230 / 208		230 / 208		230 / 208				
Running Amps	Cooling	A	17.3 / 19.1		17.5 / 19.4		19.3 / 21.3		14.0 / 15.5		17.5 / 19.4		19.3 / 21.3				
	Heating	A	---		---		---		14.5 / 16.0		15.5 / 17.1		18.9 / 20.9				
Power Input	Cooling	W	3,670 / 3,670		3,700 / 3,700		3,890 / 3,890		2,600 / 2,600		3,700 / 3,700		3,890 / 3,890				
	Heating	W	---		---		---		2,700 / 2,700		3,400 / 3,400		3,830 / 3,830				
Back-up Heater		kW	---		---		---		1.8 / 1.47		---		---				
Maximum Fuse Size Amps	A		15 / 30		15 / 35		15 / 40		15 / 30		15 / 35		15 / 40				
Features																	
Controls			Microprocessor		Microprocessor												
Low Ambient Control (for Cooling)			Built-in 0°F		Built-in 0°F												
Wireless Remote Controller			Op. (RCS-SH80UAWL, RCS-BH80UA, WL)		Op. (RCS-SH80UAWL, RCS-BH80UA, WL)												
Wired Remote Controller			Optional (RCS-SH80UG)		Optional (RCS-SH80UG)												
Fan Speeds			3 and Automatic Control / Variable		3 and Automatic Control / Variable												
Timer			---		---		---		---		---		---				
Air Deflection	Horizontal		---		---		---		---		---		---				
	Vertical		Automatic		Automatic												
Air Filter			Washable		Washable												
Refrigerant			R-410A		R-410A												
Refrigerant control			Electronic Expansion Control Valve		Electronic Expansion Control Valve												
Operation Sound	In(Hi/Me/Lo)	dB-A	37 / 35 / 31		44 / 37 / 33		45 / 38 / 34		38 / 35 / 31		44 / 37 / 33		45 / 38 / 34				
	Outdoor(Hi)	dB-A	52		52		52		49		52		52				
Refrigerant Piping	Type		Flare Type		Flare Type		Flare Type		Flare Type		Flare Type		Flare Type				
	Discharge	inches	3/8" Discharge		3/8" Discharge												
	Suction	inches	5/8" Suction		5/8" Suction												
Refrigerant Pipe Length**		Ft.	Max. 165Ft		Max. 165Ft												
Elevation Difference	Outdoor Above	Ft.	Max. 100Ft		Max. 100Ft												
	Outdoor Below	Ft.	Max. 50Ft		Max. 50Ft												
Dimensions & Weight																	
Height		inches	12-1/8"	30-23/32"	14-1/2"	30-23/32"	14-1/2"	48-7/16"	12-1/8"	30-23/32"	14-1/2"	30-23/32"	14-1/2"	48-7/16"			
Width		inches	30-9/16"	37"	41-31/32"	37"	41-31/32"	37"	30-9/16"	37"	41-31/32"	37"	41-31/32"	37"			
Depth		inches	30-9/16"	13-3/8"	30-9/16"	13-3/8"	30-9/16"	13-3/8"	30-9/16"	13-3/8"	30-9/16"	13-3/8"	30-9/16"	13-3/8"			
Net Weight		Lbs.	49.0	143.0	60.0	143.0	60.0	220.0	49.0	128.0	60.0	143.0	60.0	220.0			
Approvals																	

* Field installed ** This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalogue for more detail.)
 *** When air discharge chamber is installed

Concealed Duct Air Conditioners & Heat Pump



UH2672R Indoor Unit
UH2672R



Outdoor Unit
C2672R
CH2672R

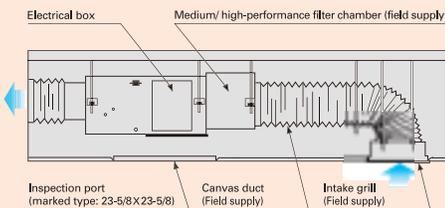


UH3672R Indoor Unit
UH3672R



Outdoor Unit
C3672R
CH3672R

Outline diagram with medium-or high-performance filter installed.

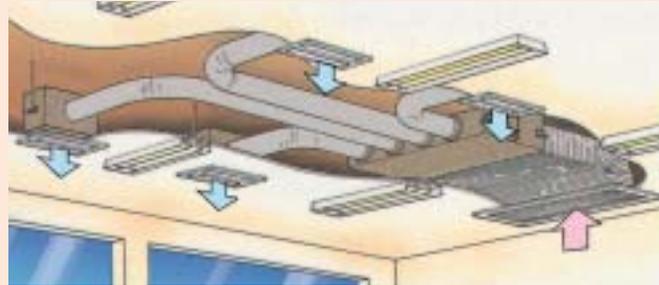


Built-in drain pump

Max. head 30 inches from the bottom of the unit.(condensate pump is only for allowing drain line to meet minimum gravity flow requirements.)

Installation Example

The basic systems in the concealed-duct type air conditioner.



Above picture shows the standard ducting system, where air is taken in from the back of the unit. This system is useful for places which need extensive air conditioning, including conference halls, showrooms, and restaurants.

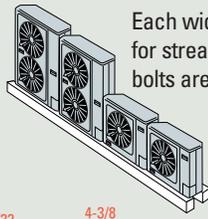
Concealed Duct Air Conditioners Concealed Duct Heat Pumps

Model No.	26UH72R		36UH72R		26UH72R		36UH72R	
	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Unit Model No.	UH2672R	C2672R	UH3672R	C3672R	UH2672R	CH2672R	UH3672R	CH3672R
Performance & Electrical Ratings								
Capacity	Cooling	Btu/h	23,000(9,500 ~ 23,000)	33,500(9,500 ~ 33,500)	23,000(9,500 ~ 23,000)	33,500(9,500 ~ 33,500)	23,000(9,500 ~ 23,000)	33,500(9,500 ~ 33,500)
	Heating	Btu/h	-	-	27,500(8,000 ~ 27,500)	37,000(8,000 ~ 37,000)	27,500(8,000 ~ 27,500)	37,000(8,000 ~ 37,000)
Moisture Removal	High	Pints/H	8.4	10.0	8.4	10.0	8.4	10.0
Dry Air Flow	Hi/Med/Low	CFM	670 / 530 / 460	1060 / 920 / 750	670 / 530 / 460	1060 / 920 / 750	670 / 530 / 460	1060 / 920 / 750
External Static Pressure		in. Aq						
SEER	Cooling		15.0	16.0	16.0 / 10.4	16.0 / 9.0	16.0 / 10.4	16.0 / 9.0
EER	Cooling							
HSPF	Heating							
COP	Heating							
Power Supply	V, Phase, Hz		230 / 208	230 / 208	230 / 208	230 / 208	230 / 208	230 / 208
Running Amps	Cooling	A	17.3 / 19.1	17.5 / 19.4	14.0 / 15.5	17.5 / 19.4	14.0 / 15.5	17.5 / 19.4
	Heating	A			14.5 / 16.0	15.5 / 17.1	14.5 / 16.0	15.5 / 17.1
Power Input	Cooling	W	3,670 / 3,670	3,700 / 3,700	2,600 / 2,600	3,700 / 3,700	2,600 / 2,600	3,700 / 3,700
	Heating	W	---	---	2,700 / 2,700	3,400 / 3,400	2,700 / 2,700	3,400 / 3,400
Back-up Heater		kW	---	---	1.8 / 1.47	---	---	---
Maximum Fuse Size Amps		A	15 / 30	15 / 35	15 / 30	15 / 35	15 / 30	15 / 35
Features								
Controls			Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Low Ambient Control			Built-in 0°F					
Wireless Remote Controller			Optional (RCS-BH80UA.WL)					
Wired Remote Controller			Optional (RCS-SH80UG)					
Fan Speeds			3 and Automatic Control / Variable					
Timer								
Air Deflection	Horizontal		---	---	---	---	---	---
	Vertical		---	Automatic	---	---	---	---
Air Filter			---	Washable	---	---	---	---
Refrigerant								
Refrigerant control			Electronic Expansion Control Valve					
Operation Sound	In(Hi/Me/Lo)	dB-A	34 / 30 / 27	38 / 33 / 31	34 / 30 / 27	38 / 33 / 31	34 / 30 / 27	38 / 33 / 31
	Outdoor(Hi)	dB-A	52	52	49	52	52	52
Refrigerant Piping	Type		Flare Type					
	Discharge	inches	3/8" Discharge					
	Suction	inches	5/8" Suction					
Refrigerant Pipe Length**		Ft.	Max. 165Ft					
Elevation Difference	Outdoor Above	Ft.	Max. 100Ft					
	Outdoor Below	Ft.	Max. 50Ft					
Dimensions & Weight								
Height		inches	12-7/32" 30-23/32"	12-7/32" 30-23/32"	12-7/32" 30-23/32"	12-7/32" 30-23/32"	12-7/32" 30-23/32"	12-7/32" 30-23/32"
Width		inches	39-3/8" 37"	58-9/32" 37"	39-3/8" 37"	58-9/32" 37"	39-3/8" 37"	58-9/32" 37"
Depth		inches	24-13/16" 13-3/8"	24-13/16" 13-3/8"	24-13/16" 13-3/8"	24-13/16" 13-3/8"	24-13/16" 13-3/8"	24-13/16" 13-3/8"
Net Weight		Lbs.	71.0 143.0	104.0 143.0	71.0 128.0	104.0 143.0	71.0 128.0	104.0 143.0
Approvals								

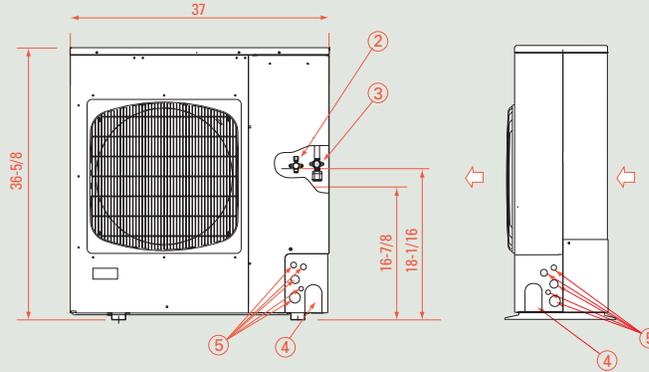
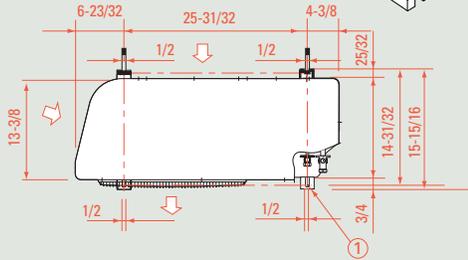
** This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalogue for more detail.) *** When air discharge chamber is installed

Space saving and easy to install outdoor unit (2t & up)

C2472R / CL2472R



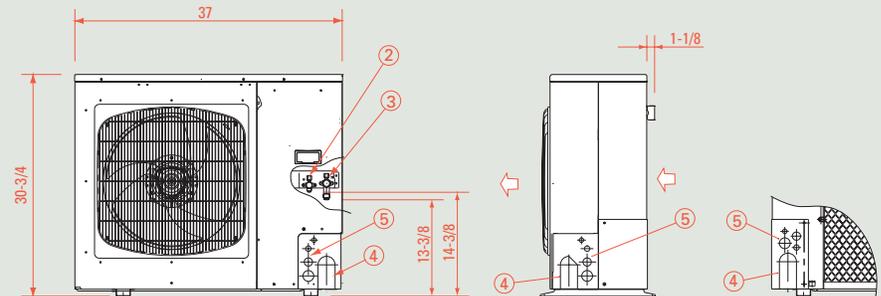
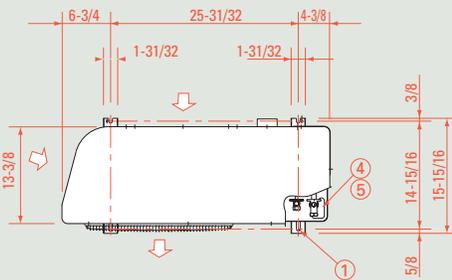
Each width and depth is designed to be unified for streamlined multiple installations. Anchoring bolts are also identical.



①	Hole for anchor bolt (4- ϕ 1/2)
②	Refrigerant tube joint (narrow tube) • Flare connection 1/4 in (6.35 mm)
③	Refrigerant tube joint (wide tube) • Flare connection 3/4 in (19.05 mm)
④	Refrigerant tubing inlet
⑤	Power supply inlet

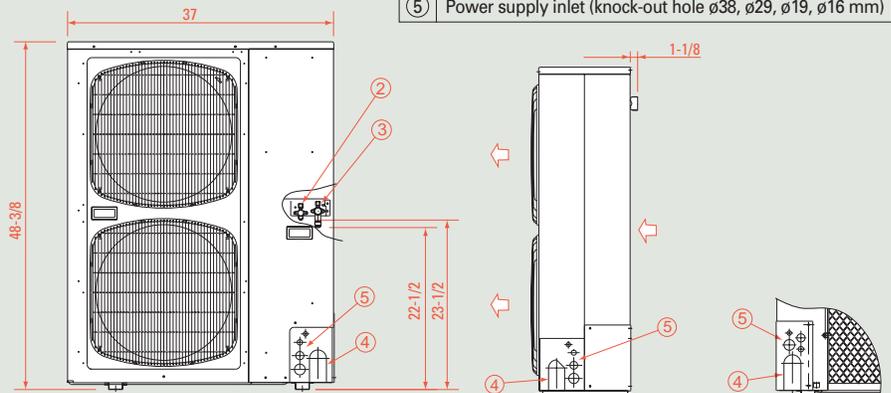
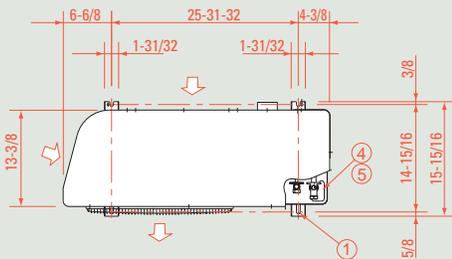
C2672R / CH2672R / C3072R / CH3072R / C3672R / CH3672R

①	Hole for anchor bolt (4-R6.5) / Anchor bolt: M10
②	Refrigerant tube joint (liquid line tube) • Flare connection 3/8 in (9.52 mm)
③	Refrigerant tube joint (gas line tube) • Flare connection 5/8 in (15.88 mm)
④	Refrigerant tubing inlet (knock-out hole)
⑤	Power supply inlet (knock-out hole ϕ 38, ϕ 29, ϕ 19, ϕ 16 mm)



C4872R / CH4872R

①	Hole for anchor bolt (4-R6.5) / Anchor bolt: M10
②	Refrigerant tube joint (liquid line tube) • Flare connection 3/8 in (9.52 mm)
③	Refrigerant tube joint (gas line tube) • Flare connection 5/8 in (15.88 mm)
④	Refrigerant tubing inlet (knock-out hole)
⑤	Power supply inlet (knock-out hole ϕ 38, ϕ 29, ϕ 19, ϕ 16 mm)



Packaged Terminal Air Conditioner



STW-2 Series



Quieter & More Efficient Than Ever!

- Energy Efficient Operation with High EER (up to 11.6)
- Quiet 2 Fan Motors operation
- Industry Standard size (42" x 16")
- Attractive Appearance
- Easy to Operate Controls
- Solid State Control
- Fan Cycle Switch
- Discrete Electric Resistance Heater
- Freeze Protection
- 2-way Adjustable Discharge Louver
- Easy to Clean Up-front Filters
- 2 Stage Thermostat (H/P only)
- Heat Pump Operation as low as 25°F (H/P only)
- Indoor Coil Freeze Control
- Manual Ventilation Control up to 70 CFM
- Weather-Resistant Super Seal
- Front Desk Control Capability (Optional)
- Remote Control Capability (Optional)
- Temperature Limiter
- Load Shedding Control Capability
- Random Restart Circuit
- Automatic Emergency Heat (H/P only)
- Compressor Restart Function

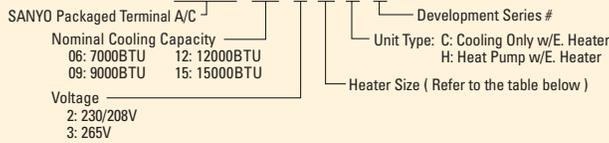


Direct Driven Cross-Flow Fan:

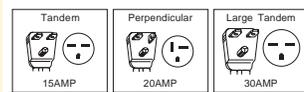
Aluminum Random Skew Fan was employed for the indoor fan. Air flap curvatures and their unique spacing system help to reduce noise while increasing the air volume compared to the conventional model.

Model Identification

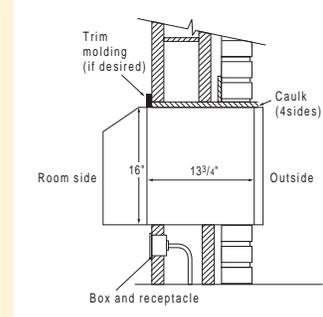
STW 09 2 * C 2



Cord plug and wall outlet (230/208v)



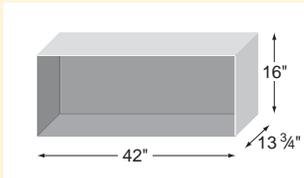
Minimum Wall Sleeve Opening



Heater Specification Table

Heater Designator	230 / 208V Model			
	Heater Amp	Watt	Min. Amp	BTU/h
2	11.1/10.0	2550/2090	15	8600/7100
3	15.0/13.6	3450/2820	20	11700/9600
5	21.7/19.7	5000/4090	30	17000/13900
Heater Designator	265V Model			
	Heater Amp	Watt	Min. Amp	BTU/h
3	11.3	3000	15	10200
4	15.1	4000	20	13600
5	18.9	5000	30	17000

Wall Case Dimensions



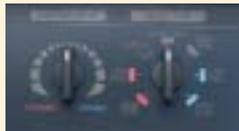
Cooling & Electric Heating Model									Heat Pump Model								
Model Number	STW062_C2	STW063_C2	STW092_C2	STW093_C2	STW122_C2	STW123_C2	STW152_C2	STW153_C2	STW062_H2	STW063_H2	STW092_H2	STW093_H2	STW122_H2	STW123_H2	STW152_H2	STW153_H2	
Voltage Rating	230/208	265	230/208	265	230/208	265	230/208	265	230/208	265	230/208	265	230/208	265	230/208	265	
Cooling Capacity	BTU/h	7100/7000	7100	9100/8900	9100	12000/11900	12000	14200/14000	14200	7100/7000	7100	9000/8800	9000	12000/11800	12000	14000/13800	14000
Cooling EER	BTU/hw	11.6/11.6	11.6	11.4/11.4	11.4	10.9/10.9	10.9	9.5/9.6	9.5	11.6/11.6	11.6	11.4/11.4	11.4	10.9/10.9	10.9	9.4/9.4	9.4
Cooling Power	W	610/600	610	800/780	800	1100/1090	1100	1490/1460	1490	610/600	610	790/770	790	1100/1080	1100	1490/1470	1490
Amp FL	A	2.7/2.9	2.4	3.5/3.8	3.1	4.9/5.4	4.2	6.9/7.2	5.8	2.7/2.9	2.4	3.5/3.8	3.0	4.9/5.3	4.2	6.6/7.2	5.7
Amp L.R.	A	17	13	22	15	29	24	41	31	17	13	22	15	29	24	41	31
H/P Capacity	BTU/h	---	---	---	---	---	---	---	6400/6200	6400	8100/8000	8100	10800/10600	10800	13300/13200	13300	
H/P COP	W/W	---	---	---	---	---	---	---	3.3/3.3	3.3	3.2/3.2	3.2	3.1/3.1	3.1	2.9/2.9	2.9	
H/P Power	Watts	---	---	---	---	---	---	---	570/550	570	740/730	740	1020/1000	1020	1350/1340	1350	
H/P Amp	A	---	---	---	---	---	---	---	2.5/2.7	2.2	3.3/3.6	2.9	4.5/4.9	3.9	6.0/6.6	5.2	
Indoor CFM Hi		315/285	315	315/285	315	410/370	410	410/370	410	315/285	315	315/285	315	410/370	410	410/370	410
Indoor CFM Low		275/235	275	275/235	275	355/320	355	355/320	355	275/235	275	275/235	275	355/320	355	355/320	355
Moisture Removal	Pints/h	1.8	1.8	2.3	2.3	2.8	2.8	3.8	3.8	2.3	2.3	2.8	2.8	3.8	3.8	3.8	3.8
Sensible Heat Ratio		0.71	0.71	0.71	0.71	0.69	0.69	0.65	0.65	0.81	0.81	0.8	0.8	0.69	0.69	0.65	0.65
Vent CFM		65	65	65	65	70	70	70	70	40	40	65	65	70	70	70	70
Weight	Ship/Net (Lb)	110/95	110/95	110/95	110/95	120/105	120/105	120/105	120/105	110/95	110/95	115/100	115/100	125/110	125/110	125/110	125/110

Because its products are subject to continuous improvements, SANYO reserves the right to modify product design and specifications without notice and without incurring any obligations.

26" Through The Wall



Cooling Only Model



Cooling + Heating Model



Heat Pumps Model



STB Series



- Attractive Appearance
- 8 Different models which include a variety of cooling, Cool/Heat and Heat Pump
- Industry Standard Wall Sleeve (Not included) 26"(W) X 15-5/8"(H) X 16-7/8"
- Solid State Control (H/P)
- Up Front Slide Out Washable Air Filter
- Two Fan speeds and Fan Only Setting
- Slide out Chassis
- Efficient Rotary Compressor
- 2 Stage Thermostat (H/P)
- 4 Way Adjustable Air Discharge
- Hidden Vent Control
- Fan Cycle Switch
- Indoor Coil Freeze Control (H/P)
- Compressor Random Restart Function (H/P)

Model Identification

STB 09 2 3 C 1

Sanyo 26" Thru the wall

Nominal Cooling Capacity
08: 8000BTU 11: 11000BTU
10: 10000BTU 12: 12000BTU

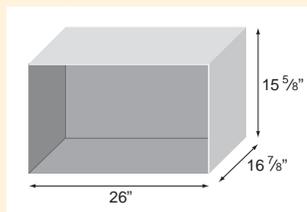
Voltage
1: 115V 2: 230/208V

Development Flag

Type
C: Cooling H: Heat Pump

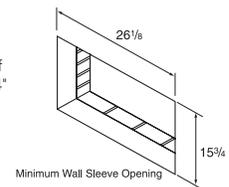
Electric Heater size (See below)
0: No Electric Heater
1: 1.2kw 3: 3.4kw

Wall Sleeve Dimension

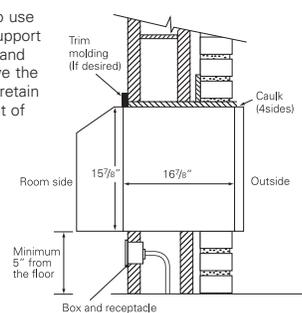


Dimension of Wall Opening

Wall opening of 26-1/8" x 15-3/4" is required



Be sure to use lintel to support the block and brick above the sleeve to retain the weight of the unit



Wall Receptacles



	Cooling & Electric Heating Model				Heat Pump Model	Cooling Only Model			
Model Number	STB0811C1	STB1023C1	STB1123C1	STB0823H1	STB0810C1	STB1010C1	STB1020C1	STB1220C1	
Voltage	V	115	230/208	230/208	115	115	230/208	230/208	
Cooling Capacity	BTU/h	8000	9500/9300	11300/11000	8000/7800	10200	9700/9500	11500/11300	
Cooling EER	BTU/hW	8.7	8.5/8.5	8.5/8.5	8.5/8.5	8.7	8.5	8.5/8.5	
Cooling Watts	W	920	1120/1090	1330/1310	940/920	940	1200	1140/1110	
Cooling Amps	A	8.3	5.0/5.3	6.0/6.5	4.2/4.5	8.3	10.6	5.0/5.3	
Plug Type		Parallel	Perp.	Perp.	Perp.	Parallel	Parallel	Tandem	
Recommended Circuit Protection	Time Delay (A)	15	20	20	20	15	15	15	
H/P CAPACITY	BTU/h	---	---	---	7500/7400	---	---	---	
H/P COP	W/W	---	---	---	2.5/2.5	---	---	---	
H/P Watts	W	---	---	---	880/870	---	---	---	
H/P Amperes	A	---	---	---	4.0/4.3	---	---	---	
Electric Heating Capacity	BTU/h	4040	11250/9200	11250/9200	11250/9200	---	---	---	
Electric Heating Watts	kW	1350	3550/2930	3550/2930	3550/2980	---	---	---	
Electric Heating Amperes	A	12.0	15.5/14.2	15.5/14.2	15.5/14.2	---	---	---	
Moisture Removal	Pints/h	2.0	2.6	3.2	2.0	2.0	2.7	2.6	
Indoor CFM	Hi/Lo	250/220	250/220	250/220	250/220	270/240	270/240	270/240	
Weight	Ship/Net (Lb)	93/82	100/89	106/95	101/90	93/82	101/90	100/89	

Specifications subject to change without notice.

Portable Air Conditioners



- 3 Fan Speed with Horizontal auto-swing-louvers.
- Built-in water tank with over flow alarm (Continuous Drain Fitting also equipped)
- Programmable 18-hour On/Off timer
- Hot Air Exhaust Duct included
- Multi-Function(Cooling, Fan & Dehumidifier)

P0811

Portable Air Conditioners

Model No.	P0811
Performance & Electrical Ratings	
Cooling Capacity	7200 BTU/h @ 86°F/70% Humidity
Dehumidification (per day)	37.5 Liters (1267 oz.)
Fan Control	Low-Med-High
Electrical	115 V, 60 Hz, 6.2 A
Power Consumption	692 W
Refrigerant	HCFC R22
Features	
Controls	Microcomputer
Thermostat Control	61°F-86°F
Filter	Washable
Operation Sound	51.5 dB-A
Timer	On/Off/18-hour
Extension Flexible Duct	6 Ft
Dimensions	
Height	31"
Width	12-7/8"
Depth	16-3/8"
Net Weight	74 lbs.
Accessory	
PWK60AL	Window Exhaust Kit

"Eco Multi" Air Conditioners

Suitable air-conditioning for numerous commercial applications including office and industrial.

"ECO MULTI SYSTEM," the new individual air-conditioning system that effectively combines a power control compressor and an electronic refrigerant control valve.

With the ECO MULTI it is possible to connect indoor units with a capacity of up to 135%* of the outdoor unit maximum capacity. Assuming that the minimum capacity of an indoor unit is 12,000 BTU/h, it is possible to connect eight units to one outdoor unit.

* The actual total capacity of the indoor unit's can not exceed the outdoor unit maximum capacity.

• For more detail information refer to "ECO MULTI" CATALOG.

Max. 8 units

CHY7243

Outdoor Unit

Capacity
Cooling Max. 72,000 BTU/h
Heating Max. 80,000 BTU/h



System Option & Accessories

Fresh Air Intake Plenum

CMB-GSJ80T
CMB-GSJ80U
CMB-GSJ140T
CMB-GSJ140U



Condensate Drain Pump
SI3100-1
SI3100-2
SI1730-2



Wireless Remote
RCS-BH80UA-WL



Wireless Remote
RCS-SH80UA-WL

Locking Bracket for Remote Control
RCS5PS4B



Refrigerant Line Set

AP0905BH	AP2507BH
AP0907BH	AP2510BH
AP0910BH	AP2515BH
AP1205BH	AP3010BH
AP1207BH	AP3015BH
AP1210BH	AP3210BH
	AP3215BH

Outdoor Unit Mounting Bracket

STK-KS2050
STK-K5050



System Option & Accessories



Timer Remote Controller
RCS-TM80BG



System Controller
SHA-KC64UG

H.V.A.C. Accessories

MODEL NO.	DESCRIPTION	USE WITH
AP0905BH	Insulated Tubing Kit 1/4" and 3/8" x 15'	09KS71, 09KLS71, 09KHS71, 12KS71, 12KLS71, 12KHS71
AP0907BH	Insulated Tubing Kit 1/4" and 3/8" x 20'	
AP0910BH	Insulated Tubing Kit 1/4" and 3/8" x 33'	
AP1205BH	Insulated Tubing Kit 1/4" and 1/2" x 15'	18KS72, 18KLS72, 18KHS72
AP1207BH	Insulated Tubing Kit 1/4" and 1/2" x 20'	
AP1210BH	Insulated Tubing Kit 1/4" and 1/2" x 33'	
AP2507BH	Insulated Tubing Kit 1/4" and 5/8" x 20'	24KS72, 24KLS72, 24KHS72
AP2510BH	Insulated Tubing Kit 1/4" and 5/8" x 30'	
AP2515BH	Insulated Tubing Kit 1/4" and 5/8" x 50'	
AP3010BH	Insulated Tubing Kit 3/8" and 5/8" x 30'	26KS72R, 26TS72R, 26XS72R, 26US72R, 26KH72R, 26TH72R, 26XH72R, 26UH72R, 30KS72R, 30KH72R, 36KS72R, 36TS72R, 36XS72R, 36US72R, 36KH72R, 36TH72R, 36XH72R, 36UH72R, 48TS72R, 48XS72R, 48TH72R, 48XH72R
AP3015BH	Insulated Tubing Kit 3/8" and 5/8" x 50'	
AP3210BH	Insulated Tubing Kit 3/8" and 3/4" x 30'	
AP3215BH	Insulated Tubing Kit 3/8" and 3/4" x 50'	24KS62R, 24KLS62R
RCS5PS4B	Locking Bracket for Remote Controller	24KS62R, 24KLS62R
STK-KS2050	Mounting Bracket for Outdoor Unit	09KS71, 09KLS71, 09KHS71, 12KS71, 12KLS71, 12KHS71
STK-K5050	Mounting Bracket for Outdoor Unit	18KS72, 18KLS72, 18KHS72, 24KS72, 24KLS72, 24KHS72
SI3100-1	Condensate Pump	All 115 volt Models
SI3100-2	Condensate Pump	All 230 volt Models (Recommended: up to 2t)
SI1730-2	Condensate Pump	All 230 volt Models (High Vol. Condensate Removal) (Recommended: 2t or more)
RCS-TM80BG	Wired Remote Controller	
RCS-SH80UA-WL	Wireless Remote Controller	26XH72R, 26TH72R, 36XH72R, 36TH72R, 42XH72R, 48TH72R
RCS-BH80UA-WL	Wireless Remote Controller	26UH72R, 26KH72R, 26XH72R, 26TH72R, 36UH72R, 36KH72R, 36XH72R, 36TH72R, 48XH72R, 48TH72R
SHA-KC64UG	System controller	26UH72R, 26KH72R, 26XH72R, 26TH72R, 36UH72R, 36KH72R, 36XH72R, 36TH72R, 48XH72R, 48TH72R
CMB-GSJ80U	Fresh Air Intake Plenum	26XS72R, 26XH72R
CMB-GSJ140U	Fresh Air Intake Plenum	36XS72R, 36XH72R, 48XS72R, 48XH72R

STW / STB Accessories

Model No.	DESCRIPTION	USE WITH
SC2001	24VAC Wired Remote Thermostat	STW_---C2 (Cooling w/strip heat model), Requires STK02LVC
SC2201	24VAC Wired Remote Thermostat	STW_---H2 (Heat Pump w/strip heat model), Requires STK02LVC
STK-B01RG	Rear Grille	STB Series
STK-B01WC	Wall Case	STB Series
STK01AF	Air Filter for Replacement	STW 2Series
STK01DK	Internal/External Drain Kit	STW 2Series
STK01FG	Front Grille for Replacement	STW 2Series
STK01RG	Stamped Aluminum Rear Grille	STW 2Series
STK01SB	Sub Base - Non Electric	STW 2Series
STK01WC1	Insulated Wall Sleeve	STW 2Series
STK01WCEX	2-1/4" Wall Sleeve Extension	STW 2Series
STK02LVC	Remote Thermostat & Front Desk Control Interface Board	STW 2Series (Use with SC2001 or SC2201)
STK02RG	Architectural Rear Grille	STW 2Series
STK02JB	Junction Box Kit	STW 2Series

TUBING, SIZES, LENGTH & ELEVATION DIFFERENCE, REFRIGERANT CHARGE ADJUSTMENT & INSULATION CHART

SYSTEM MODEL#	OD TUBE SIZE (Inches)		MAXIMUM LENGTH (Ft) OF TUBING BETWEEN IN/OUTDOOR	MAXIMUM ELEVATION DIFFERENCE (Ft) BETWEEN IN/OUTDOOR		MAXIMUM LENGTH (Ft) OF TUBING AT SHIPMENT*	REQUIRED ADDITIONAL REFRIGERANT OZ/FT	(see**)
	NARROW	WIDE		OUTDOOR ABOVE	OUTDOOR BELOW			
09KS71								
09KLS71			50'					
09KHS71		3/8"		23'	23'		R410A 0.16	
12KS71								
12KLS71			65'			25'		
12KHS71								
18KS72	1/4"							Both Tubes
18KLS72		1/2"	98'					
18KHS72								
24KS72				50'	50'		R410A 0.27	
24KLS72		5/8"	131'			33'		
24KHS72			98'					
24KS62R	3/8"	3/4"	132'	50'	50'	23'	R410A 0.43	Wide Tubes
26KS72R								
26TS72R								Wide Tubes
26XS72R								
26US72R								
26KH72R								
26TH72R								
26XH72R								
26UH72R								Both Tubes
26KHH72R								
26THH72R								
30KS72R								Wide Tubes
30KH72R								Both Tubes
36KS72R	3/8"	5/8"	165'	100'	50'	10 - 100'	R410A 0.43	
36TS72R								Wide Tubes
36XS72R								
36US72R								
36KH72R								
36TH72R								
36XH72R								Both Tubes
36UH72R								
36THH72R								
48TS72R								Wide Tubes
48XS72R								
48TH72R								
48XH72R								Both Tubes

*condenser is shipped with enough REFRIGERANT to operate the SYSTEM to this length. Additional refig. Is required if this length is exceeded. See next Column.

** Line sets for systems 1.5 ton & less come with both lines insulated. Line sets for 2 ton & above come with the wide tube insulated only. For Low Ambient & Heat Pump applications, the narrow tube must be insulated (installer provided) in the field at time of installation. (excluding 24KS32A)

THIS INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE. PLEASE READ INSTALLATION MANUAL FOR PROPER PROCEDURES.



OPERATION RANGE

Cooling Unit

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	67°F DB

Heat Pump Unit

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	67°F DB
Heating	Maximum	80°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	-°F DB / -°F WB	17°F DB / 15°F WB

Low Ambient Model

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	0°F DB

More than 26000 Btu Model

Cooling & Low Ambient Model

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	109°F DB
	Minimum	67°F DB / 57°F WB	0°F DB

Heat Pump Unit

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	109°F DB
	Minimum	67°F DB / 57°F WB	0°F DB
Heating	Maximum	80°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	-°F DB / -°F WB	17°F DB / 5°F WB



Because its products are subject to continuous improvements, Sanyo reserves the right to modify product design and specifications without notice and without incurring any obligations.
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