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Air Conditioning  
& Heat Pump Products



A  
NEW  
**GENERATION**

...For Tomorrow

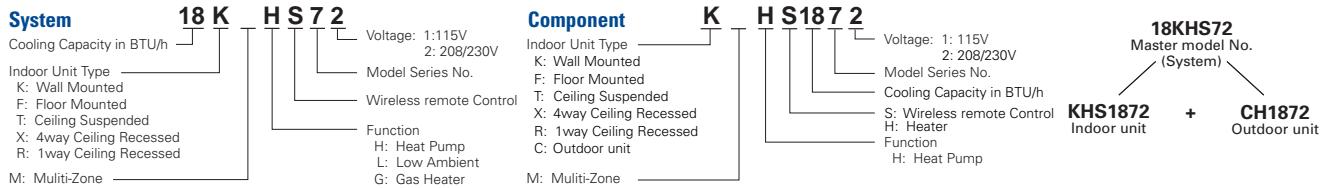


# SANYO Air Conditioners & Heat Pumps

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 26KS72R 26XS72R	24KLS62R 26TS72R 26US72R	30KS72R	36KS72R 36XS72R	36TS72R 36US72R	48TS72R 48XS72R	48US72R		
AIR CONDITIONER	Wall Mounted																
	Ceiling Suspended																
	Ceiling Recessed																
	Concealed Duct																
	Outdoor																
MODEL (System)		09KHS71	12KHS71	18KHS72	24KHS72	26KH72R 26XH72R 26UH72R	30KH72R	36KH72R 36XH72R 36UH72R	48KH72R 48XH72R								
HEAT PUMP WITHOUT HEATER	Wall Mounted																
	Ceiling Suspended																
	Ceiling Recessed																
	Concealed Duct																
	Outdoor																
MODEL (System)						26KHH72R 26THH72R					36THH72R						
HEAT PUMP WITH HEATER	Wall Mounted																
	Ceiling Suspended																
	Outdoor																

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



## Flexi Multi Inverter

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

## STW-2 Series



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

## STB-1 Series



	V	8000	10000	12000
COOLING ONLY	115V	STB0810C1	STB1010C1	
	230/208		STB1020C1	STB1220C1
COOLING W/HEATER	115V	STB0811C1		
	230/208		STB1023C1	STB1123C1
HEAT PUMP W/HEATER	230/208	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	OP
	Wired Remote Control	-	-	OP	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	OP
	Hot Start Heating System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Hour Clock with ON/OFF Program Timer	●	●	●	OP	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	OP
	1-Hour OFF Timer	●	●	●	-	-	-	-	●	●	●	-	-	-	-	-	-
	Weekly Timer	-	-	-	OP	OP	OP	OP	-	-	-	OP	OP	OP	OP	OP	OP
	System Controller	-	-	-	OP	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	R-410A	ODP=0 Refrigerant	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

HEAT PUMPS W/O HEATER				HEAT PUMPS W/ HEATER		
09KHS71 12KHS71 18KHS72 24KHS72	26KH72R 30KH72R 36KH72R			26KHH72R		
	26TH72R 36TH72R 48TH42R				26THH72R 36THH72R	
		26XH72R 36XH72R 48XH72R				
			26UH72R 36UH72R			
●						
●						
● ●	OP	OP	OP	OP	OP	OP
-	OP	OP	OP	OP	OP	OP
-	● ●	● ●	● ●	● ●	-	-
● ●	● ●	● ●	● ●	● ●	-	-
● ●	● ●	● ●	● ●	● ●	● ●	● ●
● ●	● ●	● ●	● ●	-	● ●	● ●
● ●	● ●	● ●	● ●	● ●	-	● ●
● ●	● ●	● ●	● ●	● ●	● ●	● ●
● ●	-	-	-	-	● ●	● ●
-	-	-	-	-	-	-
-	OP	OP	OP	OP	-	-
●	-	-	-	-	● ●	● ●
-	OP	OP	OP	OP	-	-
-	OP	OP	OP	OP	-	-
● ●	● ●	● ●	● ●	-	● ●	● ●
-	OP	OP	OP	-	-	-
● ●	● ●	● ●	● ●	-	● ●	● ●
-	-	● ●	OP	OP	-	● ●
-	-	-	● ●	● ●	-	-
-	● ●	● ●	● ●	● ●	-	-
-	● ●	● ●	● ●	● ●	-	-
● ●	● ●	● ●	● ●	● ●	● ●	● ●

# Features

## SANYO: Your Best Choice in Ductless Split Air Conditioning Systems

Sanyo's Ductless Split Air Conditioner & Heat Pump products offer wide versatility in solving your cooling and heating requirements. The Indoor unit(evaporator) is mounted inside the room, enclosed in a handsome space saving cabinet. It is connected to the outdoor unit(condenser) via refrigerant lines & inter-unit wiring through a 3-1/2" opening in the wall. Since no ductwork is required, installation is simple, fast & efficient. There is no need to use up window space or cut large openings in existing walls, which could undermine the integrity of your structure, and even pose security risks. Since the Sanyo-manufactured Rotary compressor is located in the outdoor unit, compressor operating noise is virtually eliminated from the indoor. The indoor unit has been uniquely designed to provide Whisper Quiet operation while delivering comfort throughout the room(s). In addition, Sanyo-perfected rotary compressors provide efficient, powerful cooling at the lowest noise levels in the industry.

### SANYO's DC INVERTER is outstanding for it's RAPID COOLING & HEATING POWER.

As soon as the temperature is reached, it automatically adjusts current frequency temperature fluctuation. It also provides "ENERGY-SAVING" (which saves your electricity charges) as well as "QUIETER OPERATION".

#### ■ Energy-saving operation

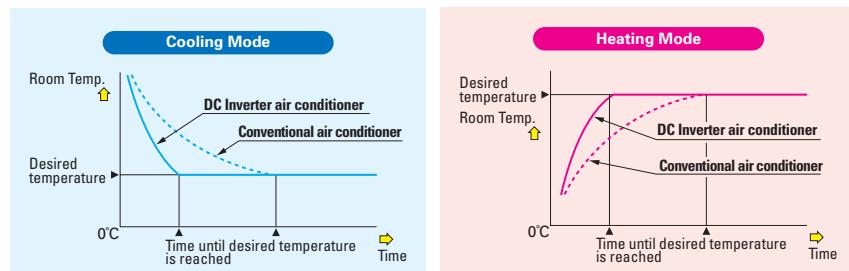
The DC Inverter Air Conditioner affords continuous operation, while it adjusts capacity according to the room temperature. The accurate sensing of cooling or heating loads prevents frequent changes in capacity and ensures efficient, economical operation.

#### ■ Quiet operation

The DC Inverter Air Conditioner uses a twin rotary compressor. (Except for single Inverter Type, single rotary compressor) Compared to the conventional single cylinder type, the twin rotary compressor dramatically reduces vibration and noise during operation, thus ensuring quiet operation.

#### ■ Rapid cooling and heating

Since the DC Inverter Air Conditioner has efficient rapid heating and cooling capacity produced by variable compressor rotation speed, it ensures quicker control of room temperatures than conventional air conditioners.



#### ■ High EER

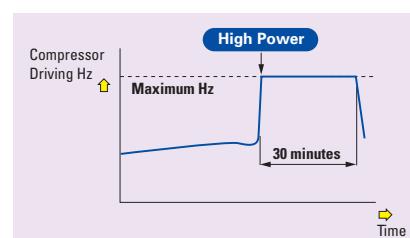
With the integration of inverter technology and R-410A refrigerant, our products meet the DOE of a minimum requirement of 13 SEER.

#### ■ R-410A

ODP (Ozon Depletion Potential) = 0 of HFC refrigerant is used.

#### ■ High Power Mode

The unit operates at maximum capacity by pressing a High Power Mode button.



# 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 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 Dry Mode

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



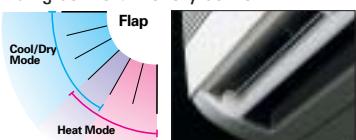
## 3 Fan speeds and Automatic Fan Operation

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

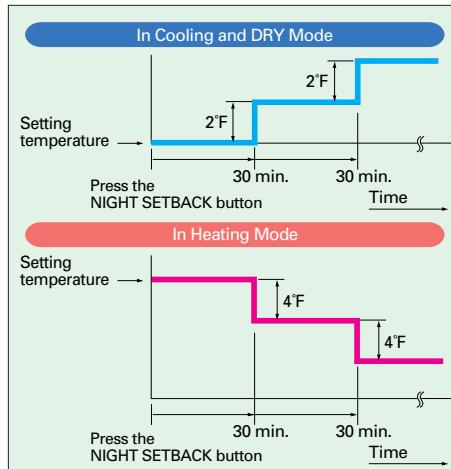
When this button is pushed either while the unit is operating or while it is stopped, the unit will operate for one hour and then switch off automatically.



## 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 inches<sup>t</sup> from the bottom of the unit. (condensate pump is only for allowing drain line to meet minimum gravity flow requirements.)

t: 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)

72H  
ON/OFF Filter sign



- 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)

Filter sign



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

## Remote controllers functions

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



Wireless  
Remote Controller



**09KS71/09KLS71**  
**12KS71/12KLS71**

**Indoor Unit**  
**KS0971**  
**KS1271**



**Outdoor Unit**  
**C0971/CL0971**  
**C1271/CL1271**



WASHABLE FRONT GRILLE



**18KS72**  
**18KLS72**  
**24KS72/24KLS72**

**Indoor Unit**  
**KS1872**  
**KS2472**



**Outdoor Unit**  
**C1872/CL1872**



**Outdoor Unit**  
**C2472/CL2472**



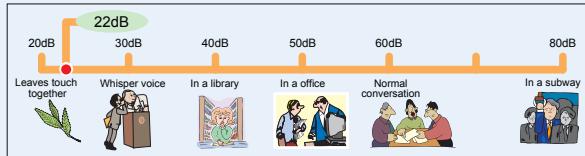
Only for 09KLS71,  
12KLS71, 18KLS72,  
18KLS72

Wall Mounted Air Conditioners									
Model No.		09KS71 / 09KLS71		12KS71 / 12KLS71		18KS72 / 18KLS72		24KS72 / 24KLS72	
Unit Model No.		Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
<b>Performance &amp; Electrical Ratings</b>									
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)
Capacity	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)
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)
Power Input	Heating	W	---		---		---		---
Back-up Heater	kW		---		---		---		---
Maximum Fuse Size Amps	A		20		20		20		20
<b>Features</b>									
Controls	Microcomputer		Microcomputer		Microcomputer		Microcomputer		
Low Ambient Control									
Wireless Remote Controller	Equip		Equip		Equip		Equip		
Wired Remote Controller	---		---		---		---		Optional (RCS-KS2432AWD)
Fan Speeds	Hi/Me/Lo & Auto		Hi/Me/Lo & Auto						
Timer	1hr OFF and 24-hr PROGRAM		24-hr PROGRAM						
Air Deflection	Horizontal	Manual	Manual	Automatic	Automatic	Manual	Manual	Automatic	Automatic
Air Deflection	Vertical								
Air Filter	Washable		Washable		Washable		Washable		Washable
Refrigerant	R-410A		R-410A		R-410A		R-410A		R-41A
Refrigerant control	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
Operation Sound	Outdoor(Hi)	dB-A	46		47		51		55
Refrigerant Piping	Type	Flare Type	Flare Type	1/4" Discharge	1/4" Discharge	1/4" Discharge	1/2" Suction	1/4" Discharge	Flare Type
Refrigerant Piping	Discharge	inches		3/8" Suction				5/8" Suction	1/4" Discharge
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		Max. 50Ft
Elevation Difference	Outdoor Below	Ft.	Max. 23Ft	Max. 23Ft	Max. 50Ft		Max. 50Ft		Max. 50Ft
<b>Dimensions &amp; Weight</b>									
Height	inches		11-7/32"	21-9/16"	11-7/32"	21-9/16"	11-23/32"	26-3/8"	11-23/32"
Width	inches		32-15/32"	28-11/32"	32-15/32"	28-11/32"	41-15/16"	34-21/32"	41-15/16"
Depth	inches		7-7/16"	10-7/16"	7-7/16"	10-7/16"	8-19/32"	11-7/32"	8-19/32"
Net Weight	Lbs.		19.8	72.8	19.8	75.0	26.5	90.4	26.5
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**



Only for 26KS72R



**30KS72R  
36KS72R**

**Indoor Unit  
KH3072R  
KH3672R**



**Outdoor Unit  
C3072R  
C3672R**



Only for  
Low AMBIENT

Wall Mounted Air Conditioners							
Model No.		24KS62R / 24KLS62R		26KS72R		30KS72R	
Unit Model No.		Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
<b>Performance &amp; Electrical Ratings</b>							
Capacity	Cooling	Btu/h	22,800/22,400	26,000(9,500~26,00)		30,000(9,500~30,00)	33,500(9,500~33,500)
Capacity	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
	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
<b>Features</b>							
Controls	Microcomputer		Microprocessor	Microprocessor		Microprocessor	Microprocessor
Low Ambient Control	24KLS72A Equip.		Built-in 0°F	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	RCS-SH1UA / RCS-BH80UA.WL
Wired Remote Controller	Optional (RCS-KS2432AWD)		Optional (RCS-SH80UG)	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	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	On / Off / 24hr Program 1hr Off
Air Deflection	Horizontal	Manual	---		---	---	---
	Vertical	Automatic	Automatic		Automatic	Automatic	Automatic
Air Filter	Washable		Washable	Washable		Washable	Washable
Refrigerant	R-41A		R-41A	R-410A		R-410A	R-410A
Refrigerant control	Capillary Tube		Electronic Expansion Control Valve	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	3/8" Discharge
	Suction	inches	3/4" Suction	5/8" 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	Max. 100Ft
	Outdoor Below	Ft.	Max. 50Ft	Max. 50Ft	Max. 50Ft	Max. 50Ft	Max. 50Ft
<b>Dimensions &amp; Weight</b>							
Height	inches	Indoor Unit	28-15/16"	Indoor Unit	30-23/32"	Indoor Unit	30-23/32"
Width	inches		44-7/8"		37"	59-1/16"	37"
Depth	inches		8-31/32"	13-3/8"	8-31/32"	9-7/16"	9-7/16"
Net Weight	Lbs.		40.0	150.0	40.0	128.0	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



Above models do not have back up heater

Wall Mounted Heat Pump									
Model No.	09KHS71		12KHS71		18KHS72		24KHS72		
Unit Model No.	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	
<b>Performance &amp; Electrical Ratings</b>									
Cooling Capacity	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)		
Heating Capacity	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		
Dry Air Flow	Hi/Med/Low	CFM	282(High)	312(High)	294(High)	312(High)	524(High)		
SEER	Cooling		16		16		541(High)		
EER	Cooling						600(High)		
HSPF	Heating						653(High)		
COP	Heating								
Power Supply	V, Phase, Hz	115V, 1PH, 60Hz		115V, 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)		
	Heating	A					7.4/8.1(1.3~8.1)		
Power Input	Cooling	W	755(250~755)	995(250~995)	1,090(250~1090)	1,165(250~1165)	1,500/1,500(250~1500)		
	Heating	W					1,575/1,575(270~1575)		
Back-up Heater	kW	---		1,170		---			
Maximum Fuse Size Amps	A	20		20		20			
<b>Features</b>									
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		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	
	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		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		
Operation Sound	In(Hi/Me/Lo)	dB-A	34 / 31 / 28	36 / 33 / 29	34 / 31 / 29	42 / 38 / 30	41 / 38 / 30	47 / 44 / 41	46 / 43 / 40
	Outdoor(Hi)	dB-A	46	47	47	49	51	52	55
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	
<b>Dimensions &amp; Weight</b>									
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
<b>Approvals</b>									

\* 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

Only for 24KHS32

		Wall Mounted Heat Pump W/ Heater		Wall Mounted Heat Pump					
Model No.		26KHH72R		26KH72R		30KH72R		36KH72R	
Unit Model No.		Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
<b>Performance &amp; Electrical Ratings</b>									
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)	30,000(9,500–30,000)	33,500(9,500–33,500)	30,000(9,500–30,000)
Capacity	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)	35,000(8,000–35,000)	37,000(8,000–37,000)	35,000(8,000–35,000)
Moisture Removal	High	Pints/H	7.4	6.5	9.7	10.6	9.7	10.6	9.7
Dry Air Flow	Hi/Med/Low	CFM	540 / 460 / 380	559 / 475 / 390	840 / 740 / 620	830 / 710 / 590	840 / 740 / 620	830 / 710 / 590	840 / 740 / 620
SEER	Cooling		16.0 / 10.4	16.0 / 10.4	15.0 / 9.0	16.0 / 9.0	15.0 / 9.0	16.0 / 9.0	15.0 / 9.0
EER	Cooling								
HSPF	Heating								
COP	Heating								
Power Supply	V, Phase, Hz		230V / 208V						
Running Amps	Cooling	A	14.0 / 15.5	14.0 / 15.5	17.3 / 19.1	17.5 / 19.4	17.3 / 19.1	17.5 / 19.4	17.3 / 19.1
Running Amps	Heating	A	14.5 / 16.0	14.5 / 16.0	16.0 / 17.7	15.5 / 17.1	16.0 / 17.7	15.5 / 17.1	16.0 / 17.7
Power Input	Cooling	W	2,600 / 2,600	2,600 / 2,600	3,670 / 3,670	3,700 / 3,700	2,600 / 2,600	3,670 / 3,670	2,600 / 2,600
Power Input	Heating	W	2,700 / 2,700	2,700 / 2,700	3,350 / 3,350	3,400 / 3,400	2,700 / 2,700	3,350 / 3,350	2,700 / 2,700
Back-up Heater	kW		1.8 / 1.47	1.0 / 0.82	1.8 / 1.47	1.8 / 1.47	1.8 / 1.47	1.8 / 1.47	1.8 / 1.47
Maximum Fuse Size Amps	A		15 / 30	15	30	30	30	30	30
<b>Features</b>									
Controls			Microprocessor						
Low Ambient Control			Built-in 0°F						
Wireless Remote Controller			RCS-SH1UA/RCS-BH80UA.WL						
Wired Remote Controller			Optional(RCS-SH80UG)						
Fan Speeds			3 and Automatic Control/Variable						
Timer									
Air Deflection	Horizontal		---	---	---	---	---	---	---
Air Deflection	Vertical		Automatic						
Air Filter			Washable						
Refrigerant			R-410A						
Refrigerant control			Electronic Expansion Control Valve						
Operation Sound	In(Hi/Med/Lo)	dB-A	45 / 42 / 40	48 / 42 / 38	48 / 42 / 38	46 / 42 / 38	46 / 42 / 38	45 / 42 / 40	45 / 42 / 40
Operation Sound	Outdoor(Hi)	dB-A	49	49	52	52	52	52	53
Refrigerant Piping	Type		Flare Type						
Refrigerant Piping	Discharge	inches	3/8" Discharge						
Refrigerant Piping	Suction	inches	5/8" Suction						
Refrigerant Pipe Length**	Ft.		Max. 165Ft						
Elevation Difference	Outdoor Above	Ft.	Max. 100Ft						
Elevation Difference	Outdoor Below	Ft.	Max. 50Ft						
<b>Dimensions &amp; Weight</b>		Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height	inches	14-9/16"	30-23/32"	13"	30-23/32"	14-9/16"	30-23/32"	14-9/16"	30-23/32"
Width	inches	49-7/32"	37"	44-7/8"	37"	59-1/16"	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"	9-7/16"	13-3/8"
Net Weight	Lbs.	44.1	128.0	40.0	128.0	63.9	143.0	72.8	143.0
<b>Approvals</b>									

\* 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 m³/h	-	-	-	-
	Heating m³/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")
Tube Diameter	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)
	Heating BTU/h (kW)	8,500 (2.50)	12,200 (3.60)	14,300 (4.20)	20,400 (6.00)
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 m³/h	-	-	-	-
	Heating m³/h	-	-	-	-
Operating Sound (H/L)	Cooling dB-A	33 / 23	34 / 23	36 / 25	42 / 28
	Heating dB-A	33 / 23	34 / 23	34 / 25	41 / 28
Refrigerant	Narrow Tube mm (inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
Tube Diameter	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
Performance		Cooling	Cooling      Heating
Capacity	kW	5.8	5.6      7.3
Capacity	Btu/h	19,700	19,100      24,900
Air Circulation (High)	m³/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	6.35 (1/4") x 3
Tube Diameter	Wide Tube      Ø (inch)	9.52 (3/8") x 2 / 12.7 (1/2") x 1	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	m³		

**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	
		Cooling	Cooling	Heating
<b>Performance</b>				
Capacity	kW	7.5	6.8	8.6
	Btu/h	25,500	23,200	29,300
Air Circulation (High)	m³/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			
<b>Electrical Rating</b>				
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			
<b>Features</b>				
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 4		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		9.52 (3/8") x 2 / 12.7 (1/2") x 1 / 15.88 (5/8") x 1
<b>Dimensions &amp; Weight</b>				
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	m³			

**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	
		Cooling	Cooling	Heating
Performance				
Capacity	kW	9.0	9.0	10.0
	Btu/h	30,700	30,700	29,300
Air Circulation (High)	m³/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 4	
Tube Diameter	Wide Tube	ø (inch)	9.52 (3/8") x 2 / 12.7 (1/2") x 1 / 15.88 (5/8") x 1	
<b>Dimensions &amp; Weight</b>				
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")		880 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	m³			

**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



**Indoor Unit**  
**TH2672R**

**26TS72R/26TH72R**



**Outdoor Unit**  
**C2672R**  
**CH2672R**



**Indoor Unit**  
**TH3672R**  
**TH4872R**

**36TS72R/48TS72R**  
**36TH72R/48TH72R**



**Indoor Unit**  
**THH2672R**



**Outdoor Unit**  
**CH2672R**



**Indoor Unit**  
**THH3672R**



**Outdoor Unit**  
**C4872R**  
**CH4872R**



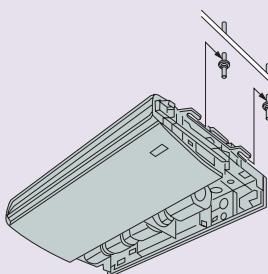
**Outdoor Unit**  
**CH2672R**  
**CH3672R**

## 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.



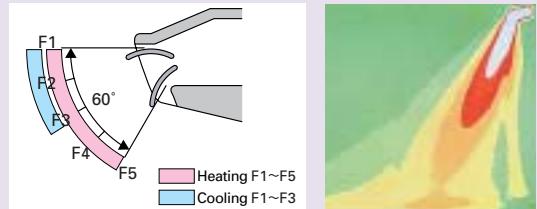
Improved accessibility to  
electronic components  
(control box) for serving.

<b>Model No.</b>	
Unit Model No.	
<b>Performance &amp; Electrical Ratings</b>	
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
<b>Features</b>	
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/Med/Low) 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.
<b>Dimensions &amp; Weight</b>	
Height	inches
Width	inches
Depth	inches
Net Weight	Lbs.
<b>Approvals</b>	

# Pumps

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

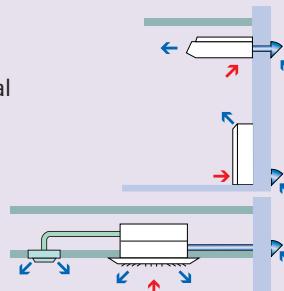
Auto louver function is a standard feature which provide optimum airflow during heating or cooling operation. Angle of louver is automatically set for heating or cooling. For example, when heating with fan speed set to low, the discharge is aimed downward so that warm air reaches the floor. The louver 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

26TS72R		36TS72R		48TS72R		26THH72R		36THH72R		26TH72R		36TH72R		48TH72R	
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	
						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 Washable		Automatic Washable		Automatic Washable		Automatic Washable		Automatic Washable		Automatic Washable		Automatic Washable		Automatic 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"	51-3/16"	37"	62-1/32"	37"	51-3/16"	37"	62-1/32"	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	90.0	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**



**LOW AMBIENT**



**Indoor Unit**  
**XH3672R**  
**XH4872R**

**36XS72R**  
**48XS72R**



**Outdoor Unit**  
**C3672R**  
**C4872R**



**LOW AMBIENT**



**Indoor Unit**  
**XH2672R**

**26XH72R**



**Outdoor Unit**  
**C2672R**



**Indoor Unit**  
**XH3672R**  
**XH4872R**

**36XH72R**  
**48XH72R**



**Outdoor Unit**  
**CH3672R**

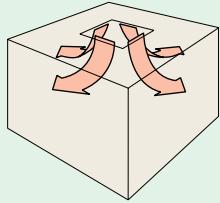


**Outdoor Unit**  
**CH4872R**

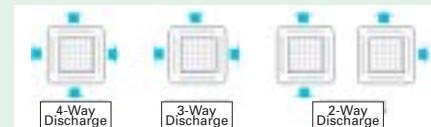


# Pump

## 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.



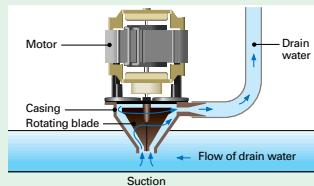
## Whisper-quiet operation

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<sup>†</sup> from the drain pan. <sup>†</sup>: 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			
Unit Model No.		Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit										
<b>Performance &amp; Electrical Ratings</b>															
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			
<b>Features</b>															
Controls	Microprocessor		Microprocessor												
Low Ambient Control (for Cooling)	Built-in 0°F		Built-in 0°F												
Wireless Remote Controller	Op.(RCS-SH80UA.WL, RCS-BH80UA.WL)		Op.(RCS-SH80UA.WL, 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															
Refrigerant															
Refrigerant control															
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											
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											
<b>Dimensions &amp; Weight</b>															
	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit										
Height	inches	12-1/8"	30-23/32"	14-1/2"	48-7/16"	12-1/8"	30-23/32"	14-1/2"	48-7/16"	12-1/8"	30-23/32"	14-1/2"	48-7/16"	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"	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"	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		
<b>Approvals</b>															

\* 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**



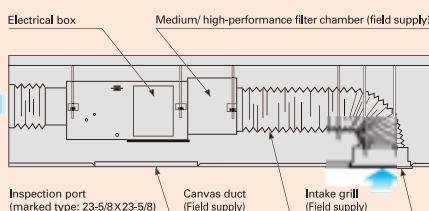
**UH3672R**

**Indoor Unit  
UH3672R**



**Outdoor Unit  
C3672R  
CH3672R**

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

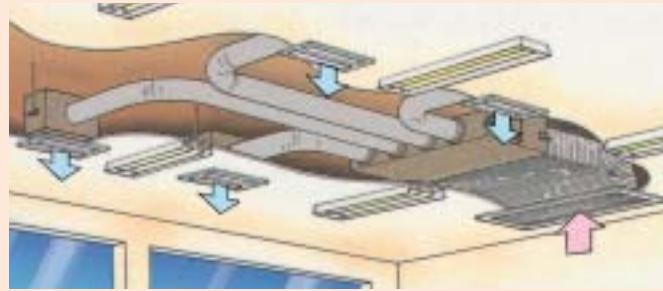


## Built-in drain pump

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.

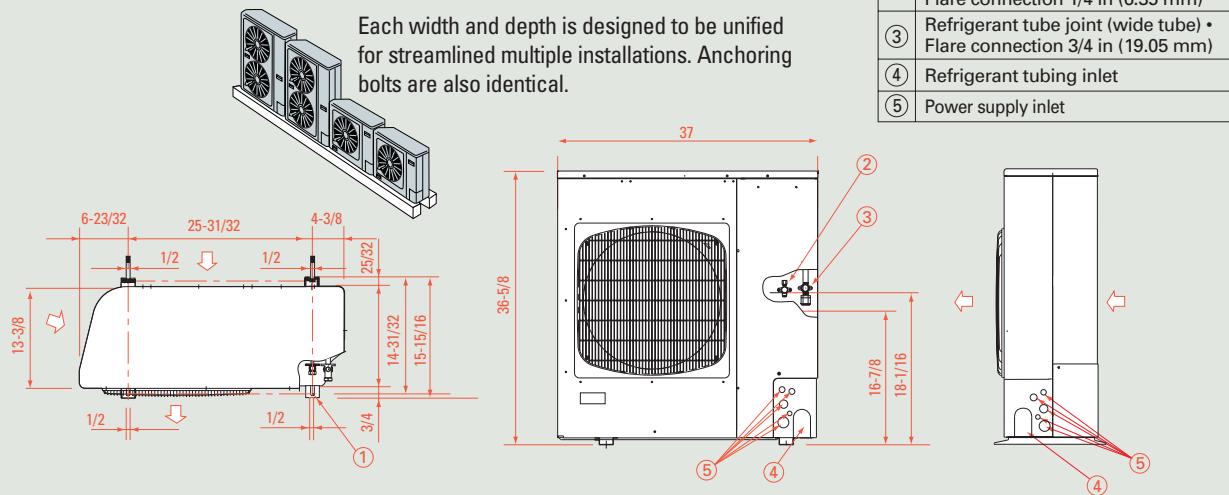
		Concealed Duct Air Conditioners		Concealed Duct Heat Pumps	
Model No.		26UH72R	36UH72R	26UH72R	36UH72R
Unit Model No.		Indoor Unit UH2672R	Outdoor Unit C2672R	Indoor Unit UH3672R	Outdoor Unit CH2672R
<b>Performance &amp; Electrical Ratings</b>					
Capacity	Cooling Btu/h	23,000(9,500 ~ 23,000)	33,500(9,500 ~ 33,500)	23,000(9,500 ~ 23,000)	33,500(9,500 ~ 33,500)
Heating Btu/h		-	-	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
Dry Air Flow	Hi/Med/Low CFM	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
EER	Cooling				
HSPF	Heating				
COP	Heating				
Power Supply	V, Phase, Hz	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
	Heating A			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
	Heating W	---	---	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
<b>Features</b>					
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		Optional (RCS-BH80UA.WL)	Optional (RCS-BH80UA.WL)	Optional (RCS-BH80UA.WL)	Optional (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	---	---
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
	Outdoor(Hi) dB-A	52	52	49	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	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
<b>Dimensions &amp; Weight</b>					
	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit
Height	inches	12-7/32"	30-23/32"	12-7/32"	30-23/32"
Width	inches	39-3/8"	37"	58-9/32"	37"
Depth	inches	24-13/16"	13-3/8"	24-13/16"	13-3/8"
Net Weight	Lbs.	71.0	143.0	71.0	128.0
<b>Approvals</b>					

\*\* 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

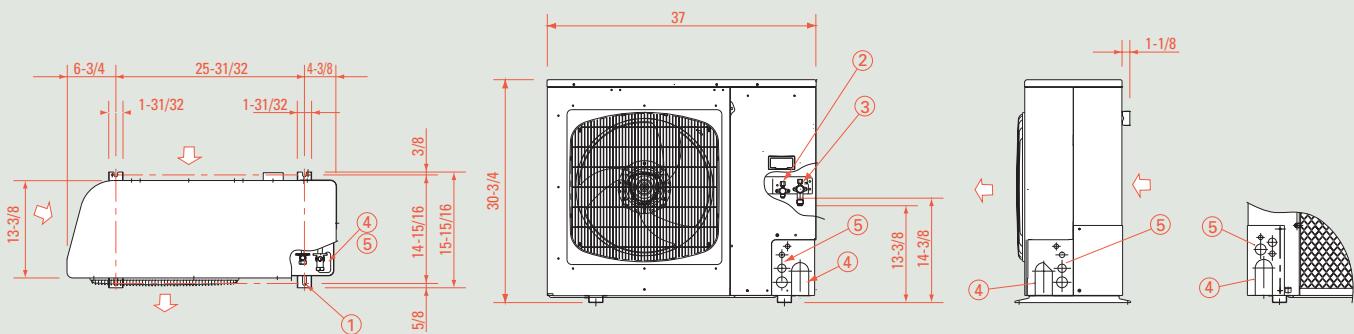
Each width and depth is designed to be unified for streamlined multiple installations. Anchoring bolts are also identical.



①	Hole for anchor bolt (4-ø1/2)
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

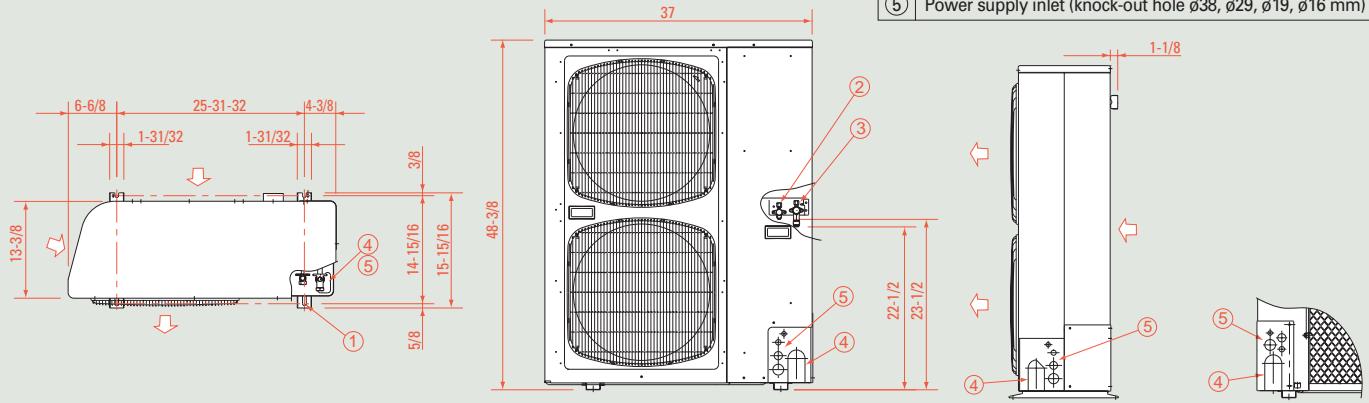
### C2672R / CH2672R / C3072R / CH3072R / C3672R / CH3672R

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 ø38, ø29, ø19, ø16 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 ø38, ø29, ø19, ø16 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

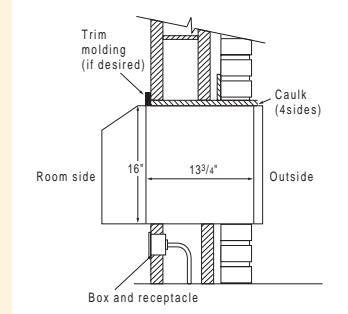


### Direct Driven Cross-Flow Fan:

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.



### Minimum Wall Sleeve Opening



## Model Identification

### STW 09 2 \* C 2

SANYO Packaged Terminal A/C	□	□	□	□	□	□	□
Nominal Cooling Capacity	□	□	□	□	□	□	□
06: 7000BTU	12: 12000BTU	18: 18000BTU	24: 24000BTU	30: 30000BTU	36: 36000BTU	42: 42000BTU	48: 48000BTU
09: 9000BTU	15: 15000BTU	21: 21000BTU	27: 27000BTU	33: 33000BTU	39: 39000BTU	45: 45000BTU	51: 51000BTU
Voltage	□	□	□	□	□	□	□
2: 230/208V	3: 265V	4: 110V	5: 100V	6: 208V	7: 110V	8: 100V	9: 110V

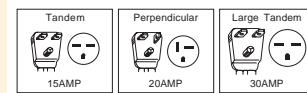
### Heater Specification Table

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

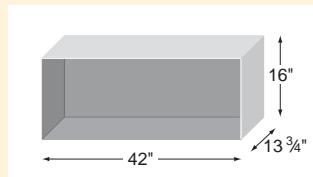
  

Heater Designator	265V Model			
	Heater Amp	Watt	Min. Amp	BTU/h
3	11.3	3000	15	10200
4	15.1	4000	20	13600
5	18.9	5000	30	17000

### Cord plug and wall outlet (230/208V)



### Wall Case Dimensions



### 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 F.L. 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

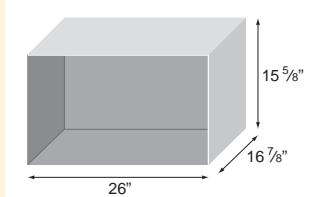
Sanyo 26" Thru the wall	_____
Nominal Cooling Capacity	_____
08: 8000BTU	11: 11000BTU
10: 10000BTU	12: 12000BTU
Voltage	_____
1: 115V	2: 230/208V

Development Flag  
Type C: Cooling H: Heat Pump  
Electric Heater size (See below)  
0: No Electric Heater  
1: 1.2kw 3: 3.4kw

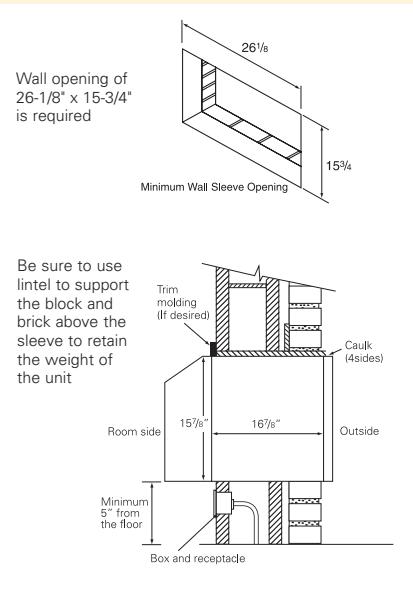
## Wall Receptacles



## Wall Sleeve Dimension



## Dimension of Wall Opening



Model Number	Cooling & Electric Heating Model			Heat Pump Model		Cooling Only Model		
	STB081C1	STB102C1	STB112C1	STB082H1	STB081C1	STB101C1	STB102C1	STB122C1
Voltage	V	115	230/208	230/208	115	115	230/208	230/208
Cooling Capacity	BTU/h	8000	9500/9300	11300/10000	8000/7800	8200	10200	9700/9500
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	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	---	---	---	---
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	HFC 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.

**Max. 8 units**

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



**CHY7243**

### Outdoor Unit

Capacity

**Cooling** Max. 72,000 BTU/h

**Heating** Max. 80,000 BTU/h

## System Option & Accessories



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

<b>Refrigerant Line Set</b>	
<b>AP0905BH</b>	<b>AP2507BH</b>
<b>AP0907BH</b>	<b>AP2510BH</b>
<b>AP0910BH</b>	<b>AP2515BH</b>
<b>AP1205BH</b>	<b>AP3010BH</b>
<b>AP1207BH</b>	<b>AP3015BH</b>
<b>AP1210BH</b>	<b>AP3210BH</b>
	<b>AP3215BH</b>



**Wireless Remote**  
**RCS-BH80UA-WL**



**Wireless Remote**  
**RCS-SH80UA-WL**

**Locking Bracket for Remote Control**  
**RCS5PS4B**



**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'	
AP0907BH	Insulated Tubing Kit 1/4" and 3/8" x 20'	09KS71, 09KLS71, 09KHS71, 12KS71, 12KLS71, 12KHS71
AP0910BH	Insulated Tubing Kit 1/4" and 3/8" x 33'	
AP1205BH	Insulated Tubing Kit 1/4" and 1/2" x 15'	
AP1207BH	Insulated Tubing Kit 1/4" and 1/2" x 20'	18KS72, 18KLS72, 18KHS72
AP1210BH	Insulated Tubing Kit 1/4" and 1/2" x 33'	
AP2507BH	Insulated Tubing Kit 1/4" and 5/8" x 20'	
AP2510BH	Insulated Tubing Kit 1/4" and 5/8" x 30'	24KS72, 24KLS72, 24KHS72
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			50'					
09KLS71								
09KHS71								
12KS71								
12KLS71								
12KHS71								
18KS72								
18KLS72								
18KHS72								
24KS72								
24KLS72								
24KHS72								
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	Wide Tubes
36TS72R								
36XS72R								
36US72R								
36KH72R								
36TH72R								
36XH72R								Both Tubes
36UH72R								
36THH72R								
48TS72R								Wide Tubes
48XS72R								
48TH72R								Both Tubes
48XH72R								

\*condenser is shipped with enough REFRIGERANT to operate the SYSTEM to this length. Additional refrigerant 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 / 15°F WB



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**SANYO Fisher Company**  
**A Division of SANYO North America Corporation**  
21605 Plummer Street Chatsworth, CA 91311 USA  
Phone: 818-998-7322 Fax: 818-717-2703  
website: <http://www.sanyohvac.com>