

SANYO

Air Conditioning & Heat Pump Products



A NEW GENERATION















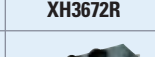




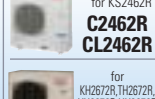
















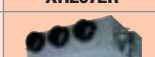
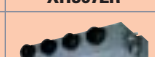



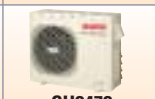

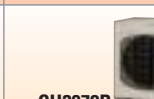
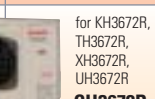

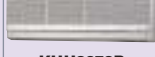
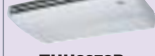
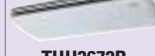


...For Tomorrow



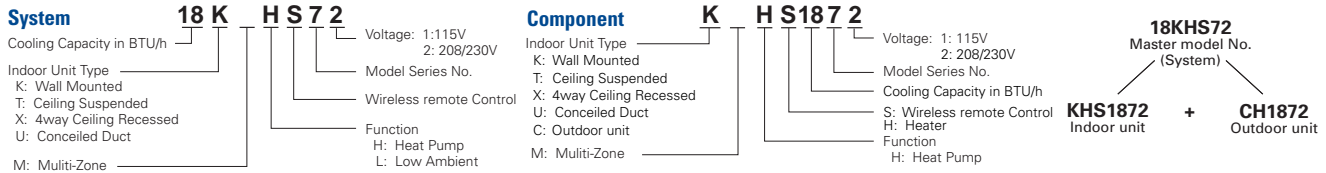
Using
R-410A Cooler On

Preliminary

SANYO Air Conditioners & Heat Pumps

Btu/h		9,000		12,000		18,000		24,000		26,000		30,000		36,000		42,000		
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 26K72R 26T72R 26X72R 26U72R	24KLS62R	30K72R		36K72R 36X72R	36T72R 36U72R	42T72R 42X72R		
AIR CONDITIONER	Wall Mounted																	
	Ceiling Suspended																	
	Ceiling Recessed																	
	Concealed Duct																	
	Outdoor																	
MODEL (System)	09KHS71		12KHS71		18KHS72		24KHS72		26KH72R 26TH72R 26XH72R 26UH72R		30KH72R		36KH72R 36TH72R 36XH72R 36UH72R		42TH72R 42XH72R			
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																	

Single split over 26000Btu (except 24KS62R) that operates in the A/C mode down to 0°F ambient temperature.

Model Identification

NOTE: All 7 series are R410A models
Flexi Multi Inverter

Type	7,000		9,000		12,000		18,000		24,000			
	Standard	Low Ambient	Standard	Low Ambient	Standard	Low Ambient	Standard	Low Ambient	Standard	Low Ambient		
WALL MOUNTED												
	KMS0772		KMS0972		KMS1272		KMS1872		KMS2472			
OUTDOOR	19,000		24,000		31,000							
	Standard	Low Ambient	Standard	Low Ambient	Standard	Low Ambient						
WALL MOUNTED												
	KMHS0772		KMHS0972		KMHS1272		KMHS1872		KMHS2472			
OUTDOOR	Up to 3 Rooms		Up to 4 Rooms		Up to 4 Rooms		Up to 4 Rooms					
	CM1972 CLM1972		CM2472 CLM2472		CM3172 CLM3172							
WALL MOUNTED												
	KMS0772		KMS0972		KMS1272		KMS1872		KMS2472			
OUTDOOR	Up to 3 Rooms		Up to 4 Rooms		Up to 4 Rooms		Up to 4 Rooms					
	CMH1972		CMH2472		CMH3172							

STW-2 Series

	V	Heater	7000	9000	12000	15000
COOL W/ HEATER	230/208V	2.55kW	STW0622C2P	STW0922C2P	STW1222C2P	
		3.45kW	STW0623C2P	STW0923C2P	STW1223C2P	STW1523C2P
		5.00kW	STW0925C2P	STW1225C2P	STW1525C2P	
HEAT PUMP W/ HEATER	265V	3.00kW	STW0633C2	STW0933C2	STW1233C2	STW1533C2
		4.00kW	STW0634C2	STW0934C2	STW1234C2	STW1534C2
		5.00kW	STW0935C2	STW1235C2	STW1535C2	
COOL W/ HEATER	230/208V	2.55kW	STW0622H2P	STW0922H2P	STW1222H2P	
		3.45kW	STW0623H2P	STW0923H2P	STW1223H2P	STW1523H2P
		5.00kW	STW0925H2P	STW1225H2P	STW1525H2P	
HEAT PUMP W/ HEATER	265V	3.00kW	STW0633H2	STW0933H2	STW1233H2	STW1533H2
		4.00kW	STW0634H2	STW0934H2	STW1234H2	STW1534H2
		5.00kW	STW0935H2	STW1235H2	STW1535H2	

STB-1 Series

	V	8000	10000	12000
COOLING ONLY	115V	STB0810C1P	STB1010C1P	
	230/208		STB1020C1P	STB1220C1P
COOLING W/HEATER	115V	STB0811C1P		
HEAT PUMP W/HEATER	230/208		STB1023C1P	STB1123C1P
	230/208	STB0823H1P		

MODEL FEATURE CHART

OP: Option

		AIR CONDITIONERS		LOW-AMBIENT AIR CONDITIONERS						HEAT PUMPS W/O HEATER					HEAT PUMPS W/ HEATER		
		09KS71 12KS71 18KS72 24KS72	24KS62R	09KLS71 12KLS71 18KLS72 24KLS72	24KLS62R	26K72R	30K72R 36K72R				09KHS71 12KHS71 18KHS72 24KHS72	26KH72R 30KH72R 36KH72R				26KH72R	
Wall Mounted																	
Ceiling Suspended								26T72R 36T72R 42T72R					26TH72R 36TH72R 42TH42R				26THH72R 36THH72R
Ceiling Recessed								26X72R 36X72R 42X72R					26XH72R 36XH72R 42XH72R				
Concealed Duct									26U72R 36U72R						26UH72R 36UH72R		
	Apatite Filter	●	-	●	-	-	-	-	-	●							
	Negative Ion Generator	●	-	●	-	-	-	-	-	●							
	Microprocessor-Controlled Operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Wireless Remote Control	●	●	●	●	OP	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	●	●	●	●	-	-	-	-	●	-	-	-	-	-	-	-
	Hot Start Heating System	-	-	-	-	-	-	-	-	●	●	●	●	●	●	●	●
	24-Hour Clock with ON/OFF Program Timer	●	●	●	●	OP	OP	OP	OP	OP	●	OP	OP	OP	OP	OP	OP
	72-Hour ON/OFF Timer	-	-	-	-	OP	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	OP
	System Controller	-	-	-	-	OP	OP	OP	OP	-	OP	OP	OP	OP	OP	OP	OP
	Anti-Mold Filter	●	●	●	●	●	●	●	-	●	●	●	●	-	●	●	●
	Filter Sign	-	-	-	-	OP	OP	OP	OP	-	OP	OP	OP	-	OP	OP	OP
	Automatic Restart Function after Power Failure	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Fresh Air Intake	-	-	-	-	-	-	OP	OP	-	-	-	OP	OP	-	-	OP
	Duct Extension	-	-	-	-	-	-	●	●	-	-	-	●	●	-	-	-
	Built-In Drain Pump	-	-	-	-	-	-	●	●	-	-	-	●	●	-	-	-
	Low Ambient Operation	-	-	●	●	●	●	●	●	-	●	●	●	●	●	●	●
	Electric Expansion Valve	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	ODP=0 Refrigerant	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

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 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).

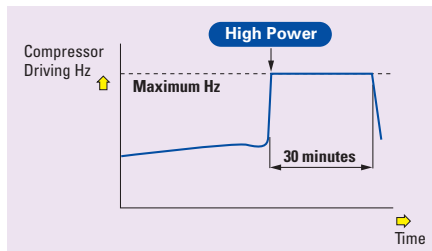
In addition, rotary compressors provide efficient, powerful cooling at the lowest noise levels in the industry.

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".

High Power Mode

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



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. Compared to the conventional single cylinder type, the twin rotary compressor dramatically reduces vibration and noise during operation, thus ensuring quiet operation.

High SEER

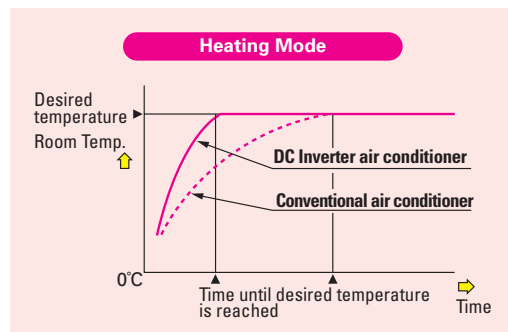
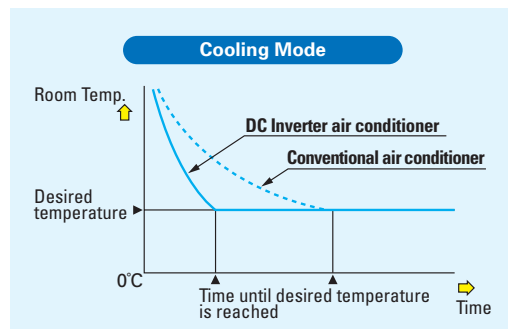
With the integration of inverter technology and R-410A refrigerant, our products meet the DOE of a minimum requirement of 13 SEER.

R-410A

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

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.



All Sanyo units are conduit connectable for more safety.

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.



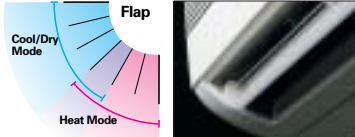
3 Fan Speeds and Automatic Fan Operation

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.



Louver Control

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



Negative Ions Generator

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

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



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.



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.



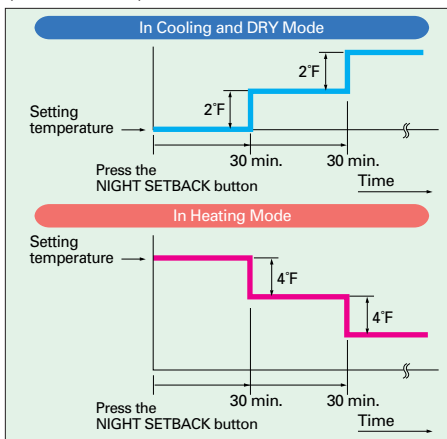
24-hour Clock with ON/OFF Program Timer

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.



72-hour ON/OFF Remote controller

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



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)



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.



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.)



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 filter maintenance is necessary.

2,500 hrs: X, T-types

150 hrs: K-type

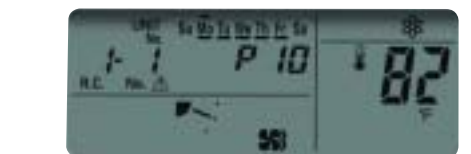


(RCS-TM80BG)



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) over 26000 Btu, Except 24KS62R / 24KLS62R

Timer Remote Controller (RCS-TM80BG)



Basic remote controller ON/OFF

- Operation mode changeover (Cooling, Heating, Dry, Auto, Fan)
- Temperature setting (Cooling/Dry: 64°F-86°F Heating: 61°F-86°F)
- Air volume adjustment (HH, H, LL, Auto)
- Air flow direction adjustment

Time Function

- 24 hours real time clock
- Day of the week indicator

Weekly Program Function

- A maximum of 6 actions can be programmed for each day

Unoccupied Function

- Allows the temperature of the conditioned space to be preset to a desired temperature, which will be maintained until manually changed. This feature is initiated by pressing the symbol then setting the temperature by using the up or down arrows on the control. This provides a method of maintaining room temperature while at work or away on vacation, etc.

Sleeping Function

- This function controls the room temperature for comfortable sleeping

Max. 8 indoor units can be controlled from one remote controller.

Remote control by main remote controller and sub controller is possible

- Max. 2 remote controller (main remote controller and sub controller) can be installed for one indoor unit.

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) over 26000 Btu, Except 24KS62R / 24KLS62R

Wireless Remote Controller	Applicable Unit	X-series (Ceiling Recessed Type)	T-series (Ceiling Suspended Type)	For All Indoor Units
				U-series X-series T-series
 K-series RCS-SH1UA				
		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. RCS-SH80UA.WL		EXTERNAL TYPE <ul style="list-style-type: none"> • Separate type signal receiving unit. RCS-BH80UA.WL

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)	●	●*	
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.

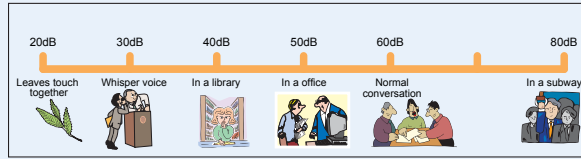
NOTE:

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

Super Quiet: at Quiet Mode

With the sound level during operation at 28dB-A, it provides you quality time resting and relaxing.



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



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			
	KS0971	C0971/CL0971	KS1271	C1271/CL1271	KS1872	C1872/CL1872	KS2472	C2472/CL2472			
Performance & Electrical Ratings											
Capacity	Cooling	Btu/h		9,000 (3,000-9,000)		11,900 (3,000-11,900)		17,500 (4,000-17,500)		24,200 (4,000-24,200)	
	Heating	Btu/h		---		---		---		---	
Moisture Removal	High	Pints/H		3.4		4.26		4.89		4.89	
	Hi/Med/Low	CFM		200 / 247 / 282		212 / 259 / 294		417 / 470 / 524		482 / 541 / 600	
SEER	Cooling	16		16		16		16		16	
HSPF	Heating	---		---		---		---		---	
COP	Heating	---		---		---		---		---	
Power Supply	V, Phase, Hz	115V, 1PH, 60Hz		115V, 1PH, 60Hz		230 / 208V, 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	---		---		---		---		---	
Fuse or Circuit Breaker Capacity	A	20		20		20		20		20	
Features											
Controls	Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		
Low Ambient Control	09KLS71 Equip.		12KLS71 Equip.		18KLS71 Equip.		24KLS71 Equip.		24KLS71 Equip.		
Fan Speeds	Hi/Me/Lo & Auto		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		1hr OFF and 24-hr PROGRAM		
Air Deflection	Horizontal	Manual		Manual		Manual		Manual		Manual	
	Vertical	Automatic		Automatic		Automatic		Automatic		Automatic	
Air Filter	Washable + Apatite		Washable + Apatite		Washable + Apatite		Washable + Apatite		Washable + Apatite		
Refrigerant	R-410A		R-410A		R-410A		R-410A		R-410A		
Refrigerant control	Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve Control		
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	
	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		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"		21-9/16"		11-23/32"		26-3/8"	
	inches	Outdoor Unit		32-15/32"		28-11/32"		41-15/16"		34-21/32"	
Width	inches	Indoor Unit		7-7/16"		10-7/16"		8-19/32"		11-7/32"	
	inches	Outdoor Unit		32-15/32"		28-11/32"		41-15/16"		35-7/16"	
Depth	inches	Indoor Unit		7-7/16"		10-7/16"		8-19/32"		12-19/32"	
	inches	Outdoor Unit		19.8		72.8		19.8		75.0	
Net Weight	Lbs.	Indoor Unit		19.8		75.0		26.5		90.4	
	Lbs.	Outdoor Unit		26.5		119.0		26.5		119.0	

** 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.)

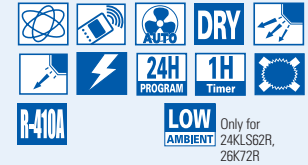


24KS62R / 24KLS62R
24KLS62R / 26K72R

Indoor Unit
KS2462R
KH2672R



Outdoor Unit
C2462R/CL2462R
C2672R

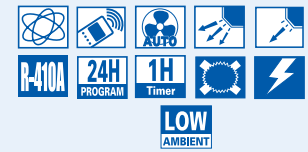


30K72R
36K72R

Indoor Unit
KH3072R
KH3672R



Outdoor Unit
C3072R
C3672R



Wall Mounted Air Conditioners									
Model No.	24KS62R / 24KLS62R		26K72R		30K72R		36K72R		
Unit Model No.	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	
	KS2462R	C2462R/CL2462R	KH2672R	C2672R	KH3072R	C3072R	KH3672R	C3672R	
Performance & Electrical Ratings									
Capacity	Cooling	Btu/h	27,000 / 26,000		26,000 (9,500-26,000)		30,000 (9,500-30,000)		33,500 (9,500-33,500)
	Heating	Btu/h	---		---		---		---
Moisture Removal	High	Pints/H	6.5 / 6.4		6.5		9.7		10.6
Dry Air Flow	Hi/Med/Low	CFM	559 (High)		559 / 475 / 390		840 / 740 / 620		830 / 710 / 590
SEER	Cooling		13.0		16.0		15.0		16.0
EER	Cooling		12.1 / 11.8		---		---		---
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	10.2 / 10.9		17.3 / 19.1		17.3 / 19.1		17.5 / 19.4
	Heating	A	---		---		---		---
Power Input	Cooling	W	2,240 / 2,200		3,670		3,670 / 3,670		3,700 / 3,700
	Heating	W	---		---		---		---
Back-up Heater		kW	---		---		---		---
Fuse or Circuit Breaker Capacity		A	35		15 30		15 35		15 35
Features									
Controls	Microprocessor		Microprocessor		Microprocessor		Microprocessor		
Low Ambient Control	24KLS62R 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	RCS-KS2432AWD		RCS-TM80BG		RCS-TM80BG		RCS-TM80BG		
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		Option		Option		Option		
Air Deflection	Horizontal		Manual		---		---		
	Vertical		Automatic		Automatic		Automatic		
Air Filter	Washable		Washable		Washable		Washable		
Refrigerant	R-410A		R-410A		R-410A		R-410A		
Refrigerant control	Capillary Tube		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		
Operation Sound	In(Hi/Me/Lo)	dB-A	48 / 42 / 38		48 / 42 / 38		46 / 42 / 38		48 / 44 / 40
	Outdoor(Hi)	dB-A	55		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	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit
			13"	28-15/16"	13"	30-23/32"	14-9/16"	30-23/32"	14-9/16"
Width	inches		44-7/8"	37"	44-7/8"	37"	59-1/16"	37"	59-1/16"
Depth	inches		8-31/32"	13-3/8"	8-31/32"	13-3/8"	9-7/16"	13-3/8"	9-7/16"
Net Weight	Lbs.		40.0	150.0	40.0	128.0	63.9	143.0	72.8

* 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



Indoor Unit
KHS1872
KHS2472

18KHS72
24KHS72



WASHABLE FRONT GRILLE



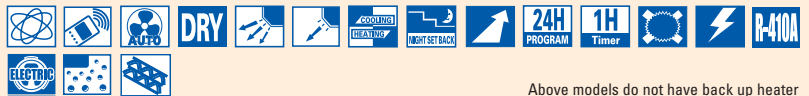
Outdoor Unit
CH0971
CH1271



Outdoor Unit
CH1872



Outdoor Unit
CH2472



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	
	KHS0971	CH0971	KHS1271	CH1271	KHS1872	CH1872	KHS2472	CH2472	
Performance & Electrical Ratings									
Capacity	Cooling	Btu/h	9,000 (3,000-9,000)		11,900 (3,000-11,900)		17,500 (4,000-17,500)		24,200 (4,000-24,200)
	Heating	Btu/h	12,200 (3,000-12,200)		14,300 (3,000-14,300)		20,400 (4,400-20,400)		29,00 (4,400-29,000)
Moisture Removal	High	Pints/H	3.4		4.26		4.89		4.89
Dry Air Flow	Hi/Med/Low	CFM	200 / 247 / 282		212 / 259 / 294		417 / 479 / 524		482 / 541 / 600
SEER	Cooling		16		16		16		16
HSPF	Heating		7.7		7.7		7.7		7.7
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)		10.9 (2.5-10.9)		7 / 7.7 (1.2-7.7)		10.8/12.1(1.3-12.1)
	Heating	A	10.3 (2.6-10.3)		11.7 (2.5-11.7)		7.4 / 8.1 (1.3-8.1)		12/13.5(1.3-13.5)
Power Input	Cooling	W	755 (250-755)		1,090 (250-1090)		1,500 / 1,500 (250-1500)		2,355 / 2,355 (280-2355)
	Heating	W	995 (250-995)		1,165 (250-1165)		1,575 / 1,575 (270-1575)		2,490 / 2,490 (290-2490)
Back-up Heater		kW	---		---		---		---
Fuse or Circuit Breaker Capacity		A	20		20		20		20
Features									
Controls	Microprocessor		Microprocessor		Microprocessor		Microprocessor		
Low Ambient Control									
Wireless Remote Controller	Equip		Equip		Equip		Optional (RCS-BH80UA,WL)		
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		42 / 38 / 30		47 / 44 / 41
	Outdoor(Hi)	dB-A	46		47		51		55
			47		49		52		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. 50Ft		Max. 50Ft
Dimensions & Weight									
Height		inches	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit
			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	75.0	19.8	77.2	26.5	97.0	26.5

** 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)



**Indoor Unit
KH2672R**



**Outdoor Unit
CH2672R**

26KH72R



**Indoor Unit
KHH2672R**



**Outdoor Unit
CH2672R**

26KHH72R



**Indoor Unit
KH3072R
KH3672R**



**Outdoor Unit
CH3072R
CH3672R**

30KH72R

36KH72R



Model No.	Wall Mounted Heat Pump W/ Heater				Wall Mounted Heat Pump			
	26KHH72R		26KH72R		30KH72R		36KH72R	
Unit Model No.	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
	KHH2672R	CH2672R	KH2672R	CH2672R	KH3072R	CH3072R	KH3672R	CH3672R
Performance & Electrical Ratings								
Capacity	Cooling	Btu/h	23,000 (9,500-23,000)	29,200 (8,000-29,200)	29,800 (9,500-29,800)	31,400 (9,500-31,400)	31,400 (9,500-31,400)	31,400 (9,500-31,400)
	Heating	Btu/h	27,600 (8,000-27,600)	25,200 (9,500-25,200)	34,800 (8,000-34,800)	36,400 (8,000-36,400)	36,400 (8,000-36,400)	36,400 (8,000-36,400)
Moisture Removal	High	Pints/H	7.4	6.5	9.7	10.6	10.6	10.6
Dry Air Flow	Hi/Med/Low	CFM	540 / 460 / 380	559 / 475 / 390	840 / 740 / 620	830 / 710 / 590	830 / 710 / 590	830 / 710 / 590
SEER	Cooling		16.0	16.0	15.0	16.0	16.0	16.0
HSPF	Heating		10.4	10.4	9.0	9.0	9.0	9.0
COP	Heating							
Power Supply		V, Phase, Hz	230V / 208V	230V / 208V	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	17.5 / 19.4	17.5 / 19.4
	Heating	A	14.5 / 16.0	14.5 / 16.0	16.0 / 17.7	15.5 / 17.1	15.5 / 17.1	15.5 / 17.1
Power Input	Cooling	W	2,600 / 2,600	2,600 / 2,600	3,670 / 3,670	3,700 / 3,700	3,700 / 3,700	3,700 / 3,700
	Heating	W	2,700 / 2,700	2,700 / 2,700	3,350 / 3,350	3,400 / 3,400	3,400 / 3,400	3,400 / 3,400
Back-up Heater		kW	1.8 / 1.47					
Fuse or Circuit Breaker Capacity		A	15 30	15 30	15 35	15 35	15 35	15 35
Features								
Controls			Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Low Ambient Control			Built-in 0°F	Built-in 0°F	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	RCS-SH1UA/RCS-BH80UA.WL	RCS-SH1UA/RCS-BH80UA.WL
Wired Remote Controller			RCS-TM80BG	RCS-TM80BG	RCS-TM80BG	RCS-TM80BG	RCS-TM80BG	RCS-TM80BG
Fan Speeds			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
Timer								
Air Deflection	Horizontal		---	---	---	---	---	---
	Vertical		Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Air Filter			Washable	Washable	Washable	Washable	Washable	Washable
Refrigerant			R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Refrigerant control			Electric Expansion Valve	Electric Expansion Valve	Electric Expansion Valve	Electric Expansion Valve	Electric Expansion Valve	Electric Expansion Valve
Operation Sound	In(Hi/Me/Lo)	dB-A	45 / 42 / 40	48 / 42 / 38	46 / 42 / 38	48 / 44 / 40	48 / 44 / 40	48 / 44 / 40
	Outdoor(Hi)	dB-A	49	49	52	53	53	53
Refrigerant Piping	Type		Flare Type	Flare 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	3/8" Discharge
	Suction	inches	5/8" Suction	5/8" Suction	5/8" Suction	5/8" Suction	5/8" Suction	5/8" Suction
Refrigerant Pipe Length**			Max. 165Ft	Max. 165Ft	Max. 165Ft	Max. 165Ft	Max. 165Ft	Max. 165Ft
Elevation Difference	Outdoor Above	Ft.	Max. 100Ft	Max. 100Ft	Max. 100Ft	Max. 100Ft	Max. 100Ft	Max. 100Ft
	Outdoor Below	Ft.	Max. 50Ft	Max. 50Ft	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"	Indoor Unit 14-9/16" 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		49-7/32" 37"	44-7/8" 37"	59-1/16" 37"	59-1/16" 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"	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	72.8 143.0	72.8 143.0

* 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)

INVERTER Multi-System "Flexi-Multi"

Fits with Various Sizes 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

KMHS0772 / KMHS0972 / KMHS1272

KMS1872 / KMS2472

KMHS1872 / KMHS2472

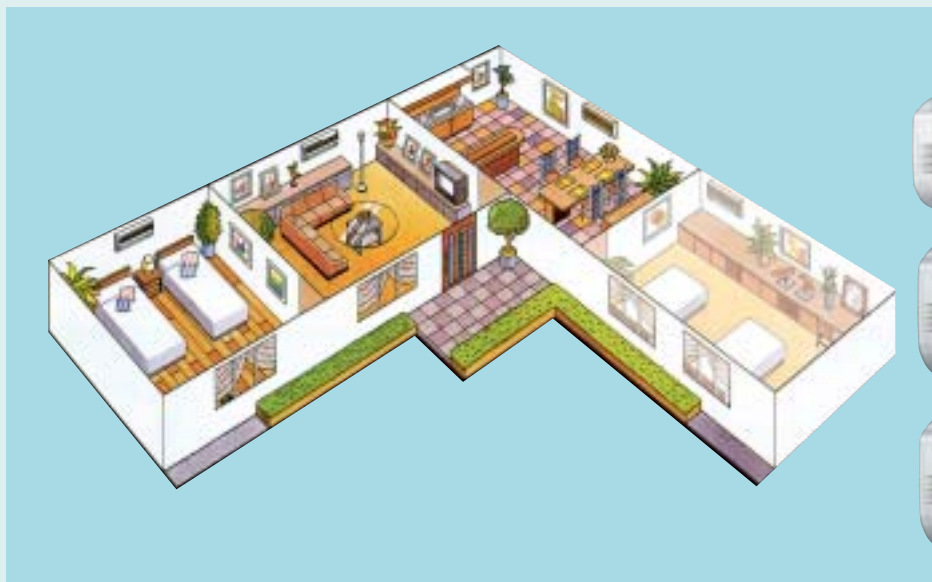


Indoor Unit: Wall Mounted Type

Cooling Only							
Model No.			KMS0772	KMS0972	KMS1272	KMS1872	KMS2472
Power Source			230V-60Hz				
Capacity	Cooling	Btu/h	7,500	9,000	11,900	17,500	24,200
Unit Dimensions (HxWxD)			11-7/32 x 32-15/32 x 7-7/16				
Net Weight			19.8	19.8	19.8	26.5	26.5
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	41 / 28	44 / 30
	Heating	dB-A	-	-	-	-	-
Refrigerant	Narrow Tube	inch	1/4	1/4	1/4	1/4	1/4
Tube Diameter	Wide Tube	inch	3/8	3/8	3/8	1/2	5/8

Heat Pump							
Model No.			KMHS0772	KMHS0972	KMHS1272	KMHS1872	KMHS2472
Power Source			230V-60Hz				
Capacity	Cooling	Btu/h	7,500	9,000	11,900	17,500	24,200
	Heating	Btu/h	8,500	12,200	14,300	20,400	29,000
Unit Dimensions (HxWxD)			11-7/32 x 32-15/32 x 7-7/16				
Net Weight			19.8	19.8	19.8	26.5	26.5
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	41 / 28	44 / 30
	Heating	dB-A	33 / 23	34 / 23	34 / 25	40 / 28	43 / 30
Refrigerant	Narrow Tube	inch	1/4	1/4	1/4	1/4	1/4
Tube Diameter	Wide Tube	inch	3/8	3/8	3/8	1/2	5/8

DC Inverter Multi-System Outdoor Unit



Connectable from 2 to 3 Indoor Units



Up to **3** Rooms



CM1972 / CLM1972



CMH1972

Model No.	Outdoor Unit	CM1972 / CLM1972	CMH1972	
Performance		Cooling	Cooling	Heating
Capacity	Btu/h	19,700	19,100	24,800
Air Flow	High CFM	1,700	1,700	
Number of Connectable Indoor Units		2 ~ 3	2 ~ 3	
SEER	Cooling	13	13	
HSPF	Heating	-	7.7	
Electrical Rating				
Power Supply	V, Phase, Hz	230V / 208V, 1Ph, 60Hz		
Running Ampere	A	6.52 / 7.19	6.20 / 6.86	7.25 / 8.00
Power Input	W	1,465 / 1,465	13.95 / 13.95	16.30 / 16.30
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 / -		
Refrigerant Control		Electric Expansion Valve		
Operation Sound	Hi dB-A	50	50	52
Refrigerant Tubing Connections		Flare Type		
Max. Allowable Tubing Length per Unit	Ft	150		
Refrigerant	Narrow Tube	1/4 x 3		
Tube Diameter	Wide Tube	3/8 x 2 / 1/2 x 1		
Dimensions & Weight				
Unit Dimensions	H x W x D inch	29-1/8 x 35-1/2 x 12-5/8		
Net Weight	Lbs	138		

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 from 2 to 4 Indoor Units



Up to **4** Rooms



CM2472 / CLM2472



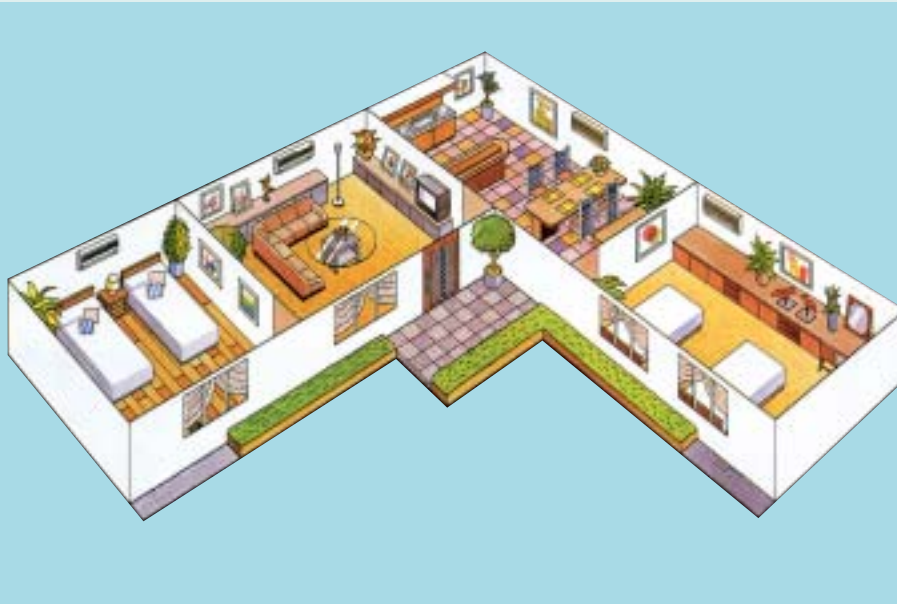
CMH2472

Model No.	Outdoor Unit	CM2472 / CLM2472	CMH2472	
Performance		Cooling	Cooling	Heating
Capacity	Btu/h	25,400	23,200	29,200
Air Flow	High CFM	1,700	1,700	1,700
Number of Connectable Indoor Units		2 ~ 4	2 ~ 4	2 ~ 4
SEER	Cooling	13	13	13
HSPF	Heating	-	7.7	7.7
Electrical Rating				
Power Supply	V, Phase, Hz	230V / 208V, 1Ph, 60Hz	230V / 208V, 1Ph, 60Hz	
Running Ampere	A	10.91 / 12.05	8.60 / 9.50	9.62 / 10.63
Power Input	W	2,455 / 2,455	1,935 / 1,935	2,165 / 2,165
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	50	50	52
Refrigerant Tubing Connections		Flare Type	Flare Type	
Max. Allowable Tubing Length per Unit	Ft	200	200	
Refrigerant	Narrow Tube inch	1/4 x 4	1/4 x 3	
Tube Diameter	Wide Tube inch	3/8 x 2 / 1/2 x 1 / 5/8 x 1	3/8 x 2 / 1/2 x 1 / 5/8 x 1	
Dimensions & Weight				
Unit Dimensions	H x W x D inch	29-1/8 x 35-1/2 x 12-5/8	29-1/8 x 35-1/2 x 12-5/8	
Net Weight	Lbs			

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 from 2 to 4 Indoor Units



Up to **4** Rooms



CM3172 / CLM3172



CMH3172

Model No.	Outdoor Unit	CM3172 / CLM3172	CMH3172	
Performance		Cooling	Cooling	Heating
Capacity	Btu/h	30,600	30,600	32,000
Air Circulation (High)	High m ³ /h	1,940		
Number of Connectable Indoor Units		2 ~ 4	2 ~ 4	
SEER	Cooling	13	13	
HSPF	Heating	-	7.7	
Electrical Rating				
Power Supply	V, Phase, Hz	230V / 208V, 1Ph, 60Hz	230V / 208V, 1Ph, 60Hz	
Running Ampere	A	11.70 / 12.90	11.70 / 12.90	9.70 / 10.70
Power Input	W	2,660 / 2,660	2,660 / 2,660	2,210 / 2,210
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	53	53	52
Refrigerant Tubing Connections		Flare Type	Flare Type	
Max. Allowable Tubing Length per Unit	Ft	230	230	
Refrigerant	Narrow Tube inch	1/4 x 4	1/4 x 3	
Tube Diameter	Wide Tube inch	3/8 x 2 / 1/2 x 1 / 5/8 x 1	3/8 x 2 / 1/2 x 1 / 5/8 x 1	
Dimensions & Weight				
Unit Dimensions	H x W x D inch	35-1/32 x 35-1/2 x 12-5/8	35-1/32 x 35-1/2 x 12-5/8	
Net Weight	Lbs			

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



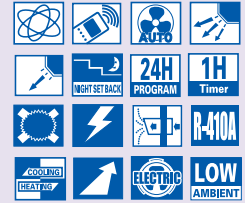
Indoor Unit
TH2672R

26T72R / 26TH72R



Indoor Unit
TH3672R
TH4272R

36T72R / 42TS72R
36TH72R / 42TH72R



Outdoor Unit
C2672R
CH2672R



Outdoor Unit
C3672R
CH3672R



Outdoor Unit
C4272R
CH4272R



Indoor Unit
THH2672R

26THH72R



Indoor Unit
THH3672R

36THH72R



Outdoor Unit
CH2672R



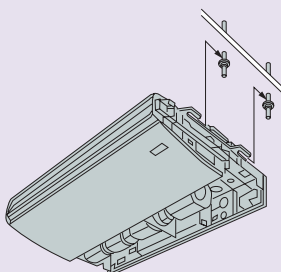
Outdoor Unit
CH3672R

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.



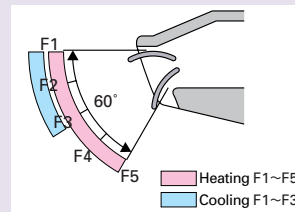
Improved accessibility to electronic components (control box) for servicing.

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	
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	
Fuse or Circuit Breaker Capacity	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.	

& Heat Pumps

Auto Louver Function Provides Optimum Airflow During Heating or Cooling Operation

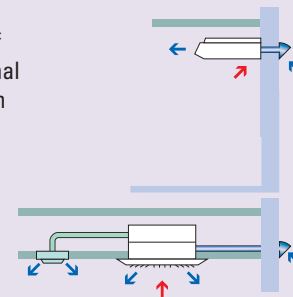
Auto louver function is a standard feature which provide optimum airflow during heating or cooling operation. Angle of louver is automatically set for heating or cooling. For example, when heating with fan speed set to low, the discharge is aimed downward so that warm air reaches the floor. The louver 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							
26T72R		36T72R		42T72R		26THH72R		36THH72R		26TH72R		36TH72R		42TH72R	
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
TH2672R	C2672R	TH3672R	C3672R	TH4272R	C4272R	THH2672R	CH2672R	THH3672R	CH3672R	TH2672R	CH2672R	TH3672R	CH3672R	TH4272R	CH4272R
24,400 (9,500-24,400)		31,200 (9,500-31,200)		39,000 (9,500-39,000)		23,000 (9,500-23,000)		33,500 (9,500-33,500)		24,400 (9,500-24,400)		31,200 (9,500-31,200)		39,000 (9,500-39,000)	
---		---		---		27,500 (8,000-27,500)		37,000 (8,000-37,000)		30,800 (8,000-30,800)		37,400 (8,000-37,400)		44,500 (8,000-44,500)	
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		16.0		16.0		16.0		14.5	
						10.4		9.0		10.4		9.0		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	
						14.5 / 16.0		15.5 / 17.1		14.5 / 16.0		15.5 / 17.1		18.9 / 20.9	
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		15		15		15		15		15	
30		35		40		30		35		30		35		40	
Microprocessor Built-in 0°F		Microprocessor Built-in 0°F		Microprocessor Built-in 0°F		Microprocessor Built-in 0°F		Microprocessor Built-in 0°F		Microprocessor Built-in 0°F		Microprocessor Built-in 0°F		Microprocessor 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)	
RCS-TM80BG		RCS-TM80BG		RCS-TM80BG		RCS-TM80BG		RCS-TM80BG		RCS-TM80BG		RCS-TM80BG		RCS-TM80BG	
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 R-410A		Automatic Washable R-410A		Automatic Washable R-410A		Automatic Washable R-410A		Automatic Washable R-410A		Automatic Washable R-410A		Automatic Washable R-410A		Automatic Washable R-410A	
Electric Expansion Valve 39/37/33		Electric Expansion Valve 42/40/35		Electric Expansion Valve 44/41/37		Electric Expansion Valve 39/37/33		Electric Expansion Valve 42/40/35		Electric Expansion Valve 39/37/33		Electric Expansion Valve 42 / 40 / 35		Electric Expansion Valve 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	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



Indoor Unit
XH2672R

26X72R



Outdoor Unit
C2672R
C3672R



Indoor Unit
XH3672R
XH4272R

36X72R
42X72R



Outdoor Unit
C4272R



Indoor Unit
XH2672R

26XH72R



Outdoor Unit
CH2672R
CH3672R



Indoor Unit
XH3672R
XH4272R

36XH72R
42XH72R

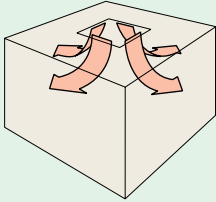


Outdoor Unit
CH4272R



& Heat 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.



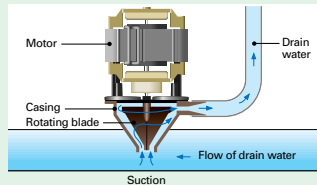
Whisper-Quiet Operation

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.



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-GSJ80U for XH2672R CMB-GSJ140U for XH3672R, XH4272R



Ceiling - Recessed Air Conditioners

Ceiling-Recessed H/P

Model No.	26X72R				36X72R		42X72R		26XH72R		36XH72R		42XH72R													
	Indoor Unit		Outdoor Unit		Indoor Unit		Outdoor Unit		Indoor Unit		Outdoor Unit		Indoor Unit		Outdoor Unit											
Unit Model No.	XH2672R		C2672R		XH3672R		C3672R		XH4272R		C4272R		XH2672R		CH2672R		XH3672R		CH3672R		XH4272R		CH4272R			
Performance & Electrical Ratings																										
Capacity	Cooling	Btu/h	24,800(9,500 ~ 24,800)				32,600(9,500 ~ 32,600)				39,500(9,500 ~ 39,500)				24,800(9,500 ~ 24,800)				32,600(9,500 ~ 32,600)				39,500(9,500 ~ 39,500)			
	Heating	Btu/h	---				---				---				29,800(8,000 ~ 29,800)				37,600(8,000 ~ 37,600)				48,000(8,000 ~ 48,000)			
Moisture Removal	High	Pints/H	8.6				10.5				14.4				8.6				13.6				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				16.0				14.5			
HSPF	Heating		---				---				---				10.4				9.0				8.5			
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	---				---				---				---				---				---			
Fuse or Circuit Breaker Capacity	A		15		30		15		35		15		40		15		30		15		35		15		40	
Features																										
Controls	Microprocessor				Microprocessor				Microprocessor				Microprocessor				Microprocessor				Microprocessor					
Low Ambient Control (for Cooling)	Built-in 0°F				Built-in 0°F				Built-in 0°F				Built-in 0°F				Built-in 0°F				Built-in 0°F					
Wireless Remote Controller	RCS-SH80UA.WL, RCS-BH80UA.WL				RCS-SH80UA.WL, RCS-BH80UA.WL				RCS-SH80UA.WL, RCS-BH80UA.WL				RCS-SH80UA.WL, RCS-BH80UA.WL				RCS-SH80UA.WL, RCS-BH80UA.WL				RCS-SH80UA.WL, RCS-BH80UA.WL					
Wired Remote Controller	RCS-TM80BG				RCS-TM80BG				RCS-TM80BG				RCS-TM80BG				RCS-TM80BG				RCS-TM80BG					
Fan Speeds	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					
Timer																										
Air Deflection	Horizontal		---				---				---				---				---				---			
	Vertical		Automatic				Automatic				Automatic				Automatic				Automatic				Automatic			
Air Filter		Washable				Washable				Washable				Washable				Washable				Washable				
Refrigerant		R-410A				R-410A				R-410A				R-410A				R-410A				R-410A				
Refrigerant control		Electric Expansion Valve				Electric Expansion Valve				Electric Expansion Valve				Electric Expansion Valve				Electric Expansion Valve				Electric Expansion Valve				
Operation Sound	In(Hi/Me/Lo)	dB-A	38 / 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				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				5/8" Suction				5/8" Suction			
Refrigerant Pipe Length**		Max. 165Ft				Max. 165Ft				Max. 165Ft				Max. 165Ft				Max. 165Ft				Max. 165Ft				
Elevation Difference	Outdoor Above	Ft.	Max. 100Ft				Max. 100Ft				Max. 100Ft				Max. 100Ft				Max. 100Ft				Max. 100Ft			
	Outdoor Below	Ft.	Max. 50Ft				Max. 50Ft				Max. 50Ft				Max. 50Ft				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		

** 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.)

Concealed Duct Air Conditioners & Heat Pump



UH2672R Indoor Unit
UH2672R



Outdoor Unit
C2672R
CH2672R

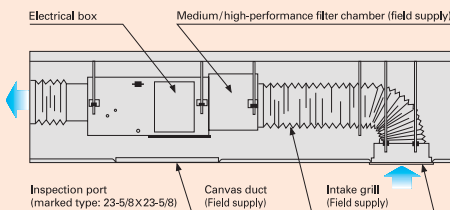


UH3672R Indoor Unit
UH3672R



Outdoor Unit
C3672R
CH3672R

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

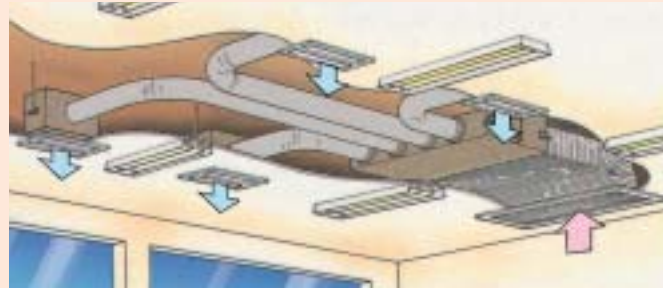


Built-In Drain Pump

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.

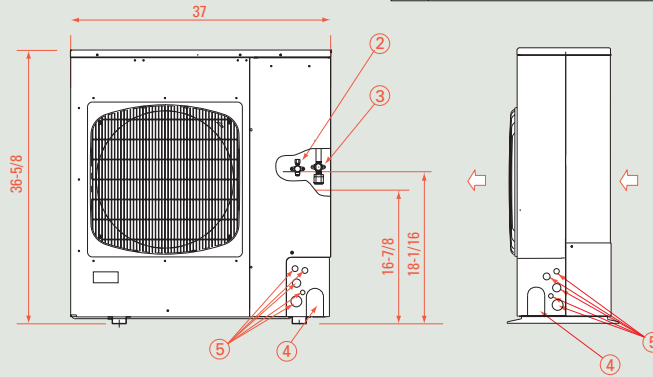
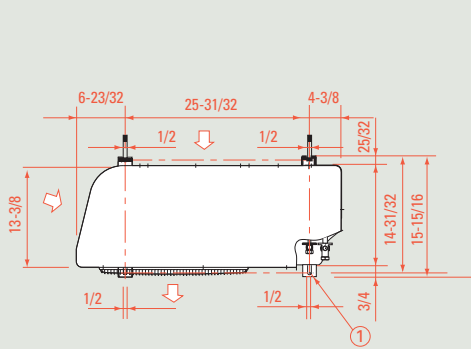
Concealed Duct Air Conditioners Concealed Duct Heat Pumps

Model No.	26U72R		36U72R		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	24,000(9,500 ~ 24,000)		31,200(9,500 ~ 31,200)		24,000(9,500 ~ 24,000)		31,200(9,500 ~ 31,200)	
	Heating Btu/h	-		-		27,500(8,000 ~ 27,500)		36,200(8,000 ~ 36,200)	
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		16.0	
EER	Cooling								
HSPF	Heating					10.4		9.0	
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	---		---		---		---	
Fuse or Circuit Breaker Capacity	A	15 30		15 35		15 30		15 35	
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-BH80UA.WL		RCS-BH80UA.WL		RCS-BH80UA.WL		RCS-BH80UA.WL	
Wired Remote Controller		RCS-TM80BG		RCS-TM80BG		RCS-TM80BG		RCS-TM80BG	
Fan Speeds		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable	
Timer									
Air Deflection	Horizontal	---		---		---		---	
	Vertical	---		---		---		---	
Air Filter		---		---		---		---	
Refrigerant									
Refrigerant control		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion 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	
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"
Width	inches	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"
Net Weight	Lbs.	71.0	143.0	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.)

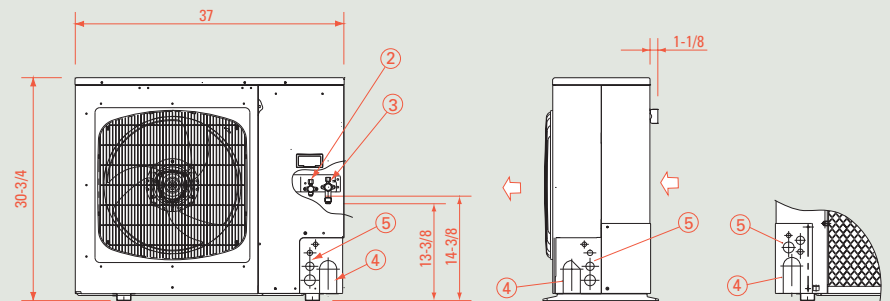
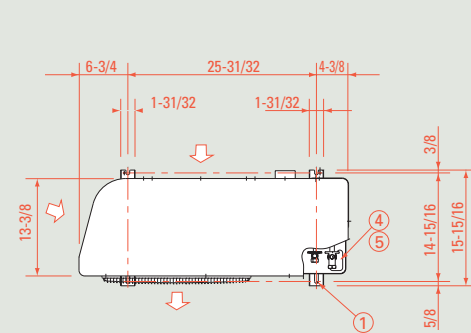
Space Saving and Easy to Install Outdoor Unit

C2462R / CL2462R



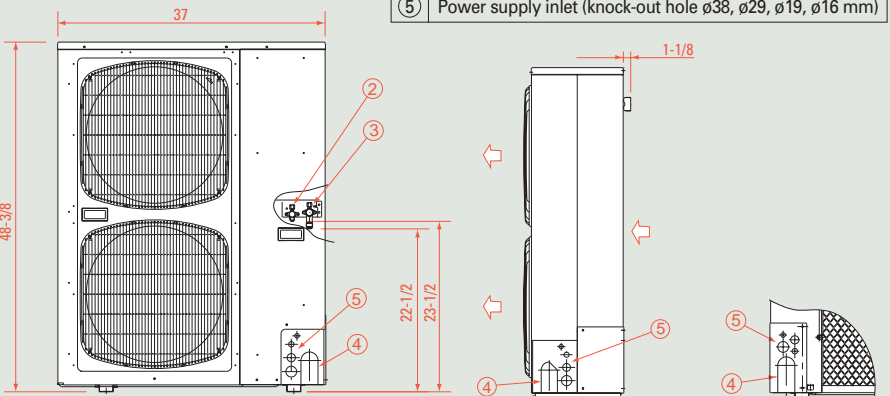
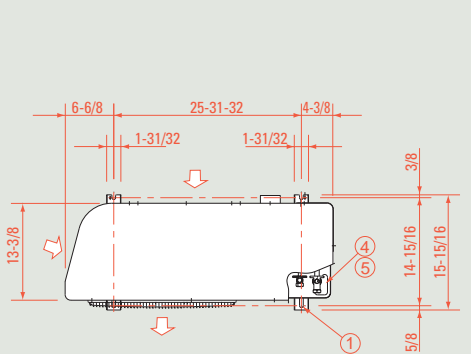
- | | |
|---|--|
| ① | Hole for anchor bolt (4- ϕ 1/2) |
| ② | Refrigerant tube joint (narrow tube) • Flare connection 1/4 in (6.35 mm) |
| ③ | Refrigerant tube joint (wide tube) • Flare connection 3/4 in (19.05 mm) |
| ④ | Refrigerant tubing inlet |
| ⑤ | Power supply inlet |

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) |

C4272R / CH4272R



- | | |
|---|---|
| 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

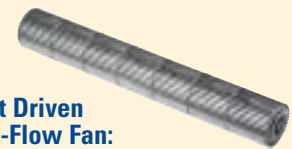


STW-2 Series



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
- Power Cord with Breaker



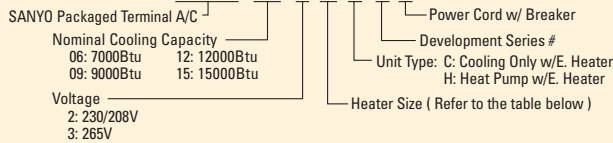
Direct Driven Cross-Flow Fan:

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.

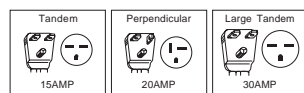


Model Identification

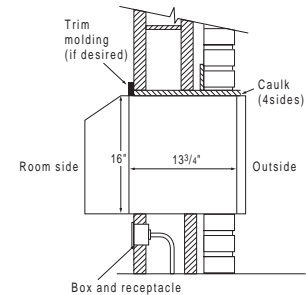
STW 09 2 * C 2 P



Cord plug and wall outlet (230 / 208v)



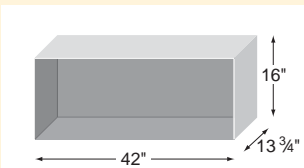
Minimum Wall Sleeve Opening



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

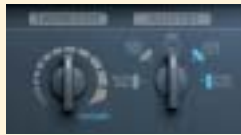
Wall Case Dimensions



Model Number	Cooling & Electric Heating Model								Heat Pump Model							
	STW062_C2P	STW063_C2	STW092_C2P	STW093_C2	STW122_C2P	STW123_C2	STW152_C2P	STW153_C2	STW062_H2P	STW063_H2	STW092_H2P	STW093_H2	STW122_H2P	STW123_H2	STW152_H2P	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/h 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



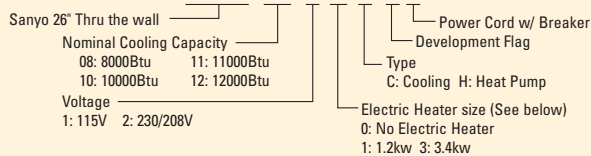
STB Series



- 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)
- Power Cord w/ Breaker

Model Identification

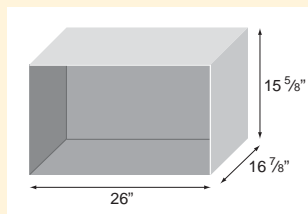
STB 09 23 C 1 P



Wall Receptacles

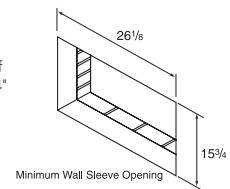


Wall Sleeve Dimension

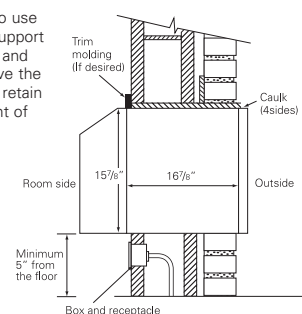


Dimension of Wall Opening

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



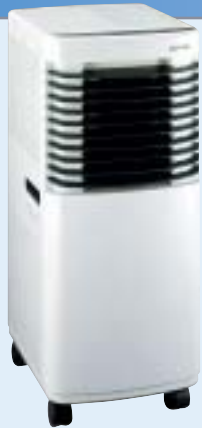
Be sure to use lintel to support the block and brick above the sleeve to retain the weight of the unit



	Cooling & Electric Heating Model			Heat Pump Model	Cooling Only Model			
Model Number	STB0811C1P	STB1023C1P	STB1123C1P	STB0823H1P	STB0810C1P	STB1010C1P	STB1020C1P	STB1220C1P
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	1140/1110	1350/1330
Cooling Amps	A	8.3	5.0/5.3	6.0/6.5	4.2/4.5	8.3	10.6	6.1/6.6
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 Ampere	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 Ampere	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	3.2
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	Microprocessor
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



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
RCS4MHVB

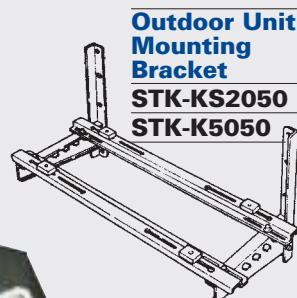


Refrigerant Line Set

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

Fresh Air Intake Plenum

CMB-GSJ80U
CMB-GSJ140U



Outdoor Unit Mounting Bracket
STK-KS2050
STK-K5050

Apatite Filter
STK-FDXB



Timer Remote Controller
RCS-TM80BG



System Controller
SHA-KC64UG

System Option & Accessories

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'	26K72R, 26T72R, 26X72R, 26U72R, 26KH72R, 26TH72R, 26XH72R, 26UH72R, 30K72R, 30KH72R, 36K72R, 36T72R, 36X72R, 36U72R, 36KH72R, 36TH72R, 36XH72R, 36UH72R, 42T72R, 42X72R, 42TH72R, 42XH72R
AP3015BH	Insulated Tubing Kit 3/8" and 5/8" x 50'	
AP3210BH	Insulated Tubing Kit 3/8" and 3/4" x 30'	24KS62R, 24KLS62R
AP3215BH	Insulated Tubing Kit 3/8" and 3/4" x 50'	
RCS5PS4B	Locking Bracket for Remote Controller	24KS62R, 24KLS62R
RCS4MHVB	Locking Bracket for Remote Controller	All 7 Series Models
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, 42TH72R
RCS-BH80UA.WL	Wireless Remote Controller	26UH72R, 26KH72R, 26XH72R, 26TH72R, 36UH72R, 36KH72R, 36XH72R, 36TH72R, 42XH72R, 42TH72R
SHA-KC64UG	System controller	26UH72R, 26KH72R, 26XH72R, 26TH72R, 36UH72R, 36KH72R, 36XH72R, 36TH72R, 42XH72R, 42TH72R
CMB-GSJ80U	Fresh Air Intake Plenum	26X72R, 26XH72R
CMB-GSJ140U	Fresh Air Intake Plenum	36X72R, 36XH72R, 42X72R, 42XH72R
STK-FDXB	Apatite Filter	09KS71, 09KLS71, 09KHS71, 12KS71, 12KLS71, 12KHS71, 18KS72, 18KLS72, 18KHS72, 24KS72, 24KLS72, 24KHS72, KMS0772, KMS0972, KMS1272, KMS1872, KMS2472, KMHS0772, KMHS0972, KMHS1272, KMHS1872, KMHS2472

STW / STB Accessories		
Model No.	DESCRIPTION	USE WITH
SC2001	24VAC Wired Remote Thermostat	STW- ---- C2 and C2P (Cooling w/ Strip Heat Model), Requires STK02LVC
SC2201	24VAC Wired Remote Thermostat	STW- ---- H2 and H2P (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 2 Series
STK01DK	Internal/External Drain Kit	STW 2 Series
STK01FG	Front Grille for Replacement	STW 2 Series
STK01RG	Stamped Aluminum Rear Grille	STW 2 Series
STK01SB	Sub Base - Non Electric	STW 2 Series
STK01WC1	Insulated Wall Sleeve	STW 2 Series
STK01WCEX	2-1/4" Wall Sleeve Extension	STW 2 Series
STK02LVC	Remote Thermostat & Front Desk Control Interface Board	STW 2 Series (Use with SC2001 or SC2201)
STK02RG	Architectural Rear Grille	STW 2 Series
STK02JB	Junction Box Kit	STW 2 Series

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	INSULATION
	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"							
18KLS72		1/2"						
18KHS72								
24KS72			100'	50'	50'	33'	R410A 0.27	
24KLS72		5/8"						
24KHS72								
24KS62R	3/8"	3/4"	132'	50'	50'	23'	R410A 0.43	
26KS72R								
26TS72R								
26XS72R								
26US72R								
26KH72R								
26TH72R								
26XH72R								
26UH72R								
26KHH72R								
26THH72R								
30KS72R								
30KH72R								
36KS72R	3/8"	5/8"	165'	100'	50'	100'	R410A 0.43	
36TS72R								
36XS72R								
36US72R								
36KH72R								
36TH72R								
36XH72R								
36UH72R								
36THH72R								
42TS72R								
42XS72R								
42TH72R								
42XH72R								

*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.
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	0°F DB

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

Models above 26000 Btu

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	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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