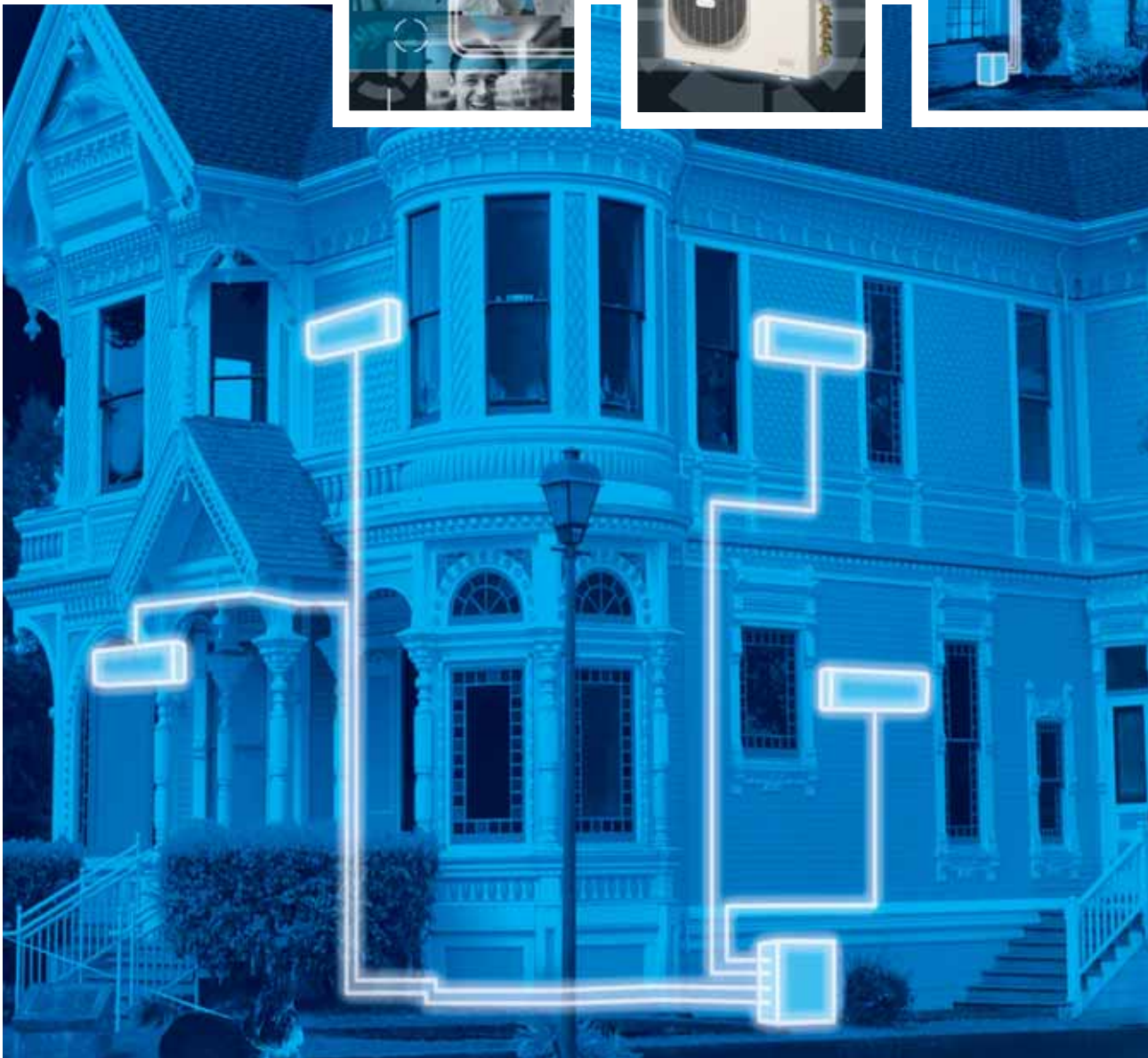


Think GAIA  
For Life and the Earth

**SANYO**








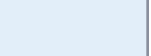


































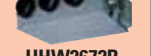
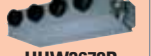













# Air Conditioning & Heat Pump Products

Building Life.



Revised June '09

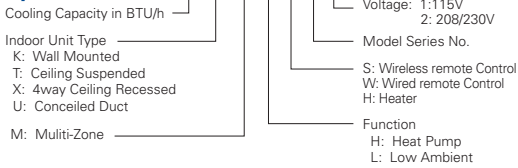
# SANYO Air Conditioners & Heat Pumps

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	Low Ambient	Low Ambient	Low Ambient	Low Ambient				
MODEL (System)		09KS71	09KLS71	12KS71 12XS71	12KLS71 12XLS71	18KS72 18XS72	18KLS72 18XLS72	24KS72	24KLS72	26KS72R 26TW72R 26XW72R 26UW72R	30KS72R	36KS72R 36XW72R 36UW72R	42TW72R 42XW72R				
AIR CONDITIONER	Wall Mounted	 KS0971	 KS1271	 KS1872	 KS2472	 KHS2672R	 KHS3072R	 KHS3672R	 KHS4272R								
	Ceiling Suspended					 THW2672R	 THW3672R	 THW4272R									
	Ceiling Recessed			 XS1271	 XS1872		 XHW2672R	 XHW3672R	 XHW4272R								
	Concealed Duct						 UHW2672R	 UHW3672R									
	Outdoor	 C0971 CL0971	 C1271 CL1271	 C1872 CL1872	 C2472 CL2472	 C2672R	 C3072R	 C3672R	 C4272R								
MODEL (System)		09KHS71		12KHS71 12XHS71		18KHS72 18XHS72		24KHS72		26KHS72R 26THW72R 26XHW72R 26UHW72R		30KHS72R		36KHS72R 36THW72R 36XHW72R 36UHW72R		42THW72R 42XHW72R	
HEAT PUMP WITHOUT HEATER	Wall Mounted	 KHS0971	 KHS1271	 KHS1872	 KHS2472	 KHS2672R	 KHS3072R	 KHS3672R	 KHS4272R								
	Ceiling Suspended					 THW2672R	 THW3672R	 THW4272R									
	Ceiling Recessed			 XHS1271	 XHS1872		 XHW2672R	 XHW3672R	 XHW4272R								
	Concealed Duct					 UHW2672R	 UHW3672R										
	Outdoor	 CH0971	 CH1271	 CH1872	 CH2472	 CH2672R	 CH3072R	 CH3672R	 CH4272R								
MODEL (System)						26KHHS72R 26THHW72R				36THHW72R							
HEAT PUMP WITH HEATER	Wall Mounted					 KHHS2672R											
	Ceiling Suspended					 THHW2672R		 THHW3672R									
	Outdoor					 CH2672R		 CH3672R									

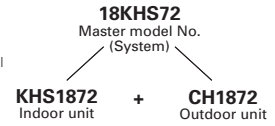
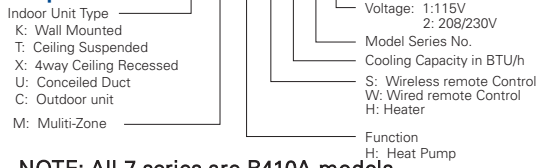


Model Identification

System



Component



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										
Type	19,000		24,000		31,000					
	Standard	Low Ambient	Standard	Low Ambient	Standard	Low Ambient				
Outdoor										

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										
Type	19,000		24,000		31,000					
	Standard	Low Ambient	Standard	Low Ambient	Standard	Low Ambient				
Outdoor										

# MODEL FEATURE CHART

OP: Option

		AIR CONDITIONERS		LOW-AMBIENT AIR CONDITIONERS						HEAT PUMPS W/O HEATER						HEAT PUMPS W/ HEATER				
		09KS71 12KS71 18KS72 24KS72		09KLS71 12KLS71 18KLS72 24KLS72		26KS72R	30KS72R 36KS72R				09KHS71 12KHS71 18KHS72 24KHS72		26KHS72R 30KHS72R 36KHS72R					26KHHS72R		
	Wall Mounted																			
	Ceiling Suspended							26TW72R 36TW72R 42TW72R						26THW72R 36THW72R 42THW42R					26THHW72R 36THHW72R	
	Ceiling Recessed		12XS71 18XS72		12XLS71 18XLS72				26XW72R 36XW72R 42XW72R			12XHS71 18XHS72			26XH72R 36XH72R 42XH72R					
	Concealed Duct								26UW72R 36UW72R							26UH72R 36UH72R				
	Apatite Filter	●	-	●	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	
	Negative Ion Generator	●	-	●	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	
	Microprocessor-Controlled Operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Wireless Remote Control	●	●	●	●	●	●	OP	OP	OP	●	●	●	OP	OP	OP	●	●	OP	
	Wired Remote Control	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	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	72-Hour ON/OFF Timer	-	-	-	-	OP	OP	OP	OP	OP	-	-	OP	OP	OP	OP	OP	OP	OP	
	1-Hour OFF Timer	●	●	●	●	-	-	-	-	-	●	●	-	-	-	-	-	-	-	
	Weekly Timer	-	-	-	-	OP	OP	●	●	●	-	-	OP	●	●	●	OP	●	●	
	System Controller	-	-	-	-	OP	OP	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	OP	-	●	-	OP	OP	OP	-	-	OP	
	Branch Extension	-	●	-	●	-	-	-	●	●	-	●	-	-	●	●	-	-	-	
	Built-In Drain Pump	-	●	-	●	-	-	-	●	●	-	●	-	-	●	●	-	-	-	
	Low Ambient Operation	-	-	●	●	●	●	●	●	●	●	-	●	●	●	●	●	●	●	
	Electric Expansion Valve	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	ODP=0 Refrigerant	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Quiet Mode	●	●	●	●	-	-	-	-	-	●	●	-	-	-	-	-	-	-	



# 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.



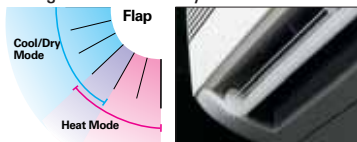
## 3 Fan Speeds and Automatic Fan Operation

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 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. (Single Zone 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.



## 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

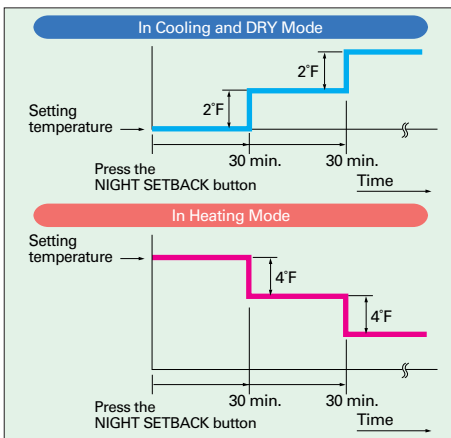
ON/OFF timer can be set to 0.5 hour gradations (max. 72 hours).



## 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 coatings to prevent mold or bacteria from occurring.



## Built-In Drain Pump

Max. head 20 inches from the discharge of the indoor unit. Condensate pump is only for allowing drain line to meet minimum gravity flow requirements.



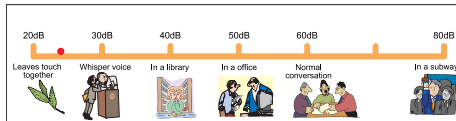
## Electric Refrigerant Control Valve

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.



## Quiet Mode

LOW, low fan speed for extra quiet operation.



## Filter Sign

Filter sign informs you when filter maintenance is necessary.

2,500 hrs: X, T-types

150 hrs: K-type

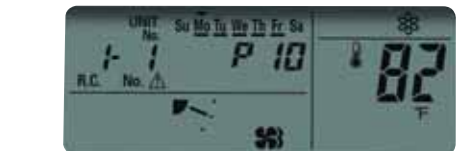


(RCS-TM80BG)



## 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)



(Example of RCS-TM80BG)

# Remote Controller Options for Models 26000 Btu's and Larger

## Wired Remote Controllers

### Simple Remote Controller



(RCS-KR1AGB)

#### Key Features (Simple Remote):

- Thin and Easy To Read
- Simple To Install and Use
- Can Be Adapted for Use On All ECO-i Indoor Units
- Mode
- Fan Speed Control
- Set Temperature
- On/Off
- Airflow Direction
- Perfectly Suited for Applications Where Simpler Functionality is Required (ie: Hotel Rooms, Nursing Homes, Offices)



RCS-TM80BG

#### Key Features (Standard Remote/7 Day Timer):

- Thin and Easy To Read
- Simple To Install and Use
- Can Be Adapted for Use On All ECO-i Indoor Units
- Fan Speed Control
- Airflow Direction
- Operating Mode (Heating/Cooling/Auto/Dry/Fan)
- Vacation Mode for Continued Energy Efficiencies
- Full 7 Day Set-Back Functionality, With Up To 6 Time Periods/Day
- Full System Diagnostic Capability

(Diagnostic History Provides Immediate View of System Past and Present.)

### System Controller



(SHA-KC64UG)

#### Multiple Zone Controllers.

#### The Air Conditioning Gateway.

Sanyo's system and intelligent controls are the central nervous system to the conditioning system. The gateway to all data, temperature and system diagnostics. The heart and soul of conditioning.

#### Key Features (System Control):

- Controls Up To 64 Units Into 4 Individualized Zones
- Alarm and Operational Signal Output
- Single Access Points for All Connected Wired Remotes

## Wireless Remote Controllers

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
<p><b>K-series</b></p> <p>RCS-SH1UA</p>		<p><b>BUILT-IN TYPE</b></p> <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>	<p><b>EXTERNAL TYPE</b></p> <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 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	

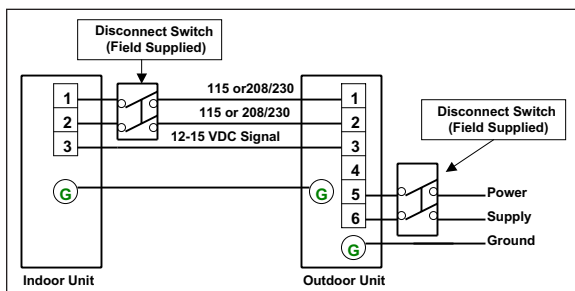
●: Controllable  
×: Uncontrollable

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

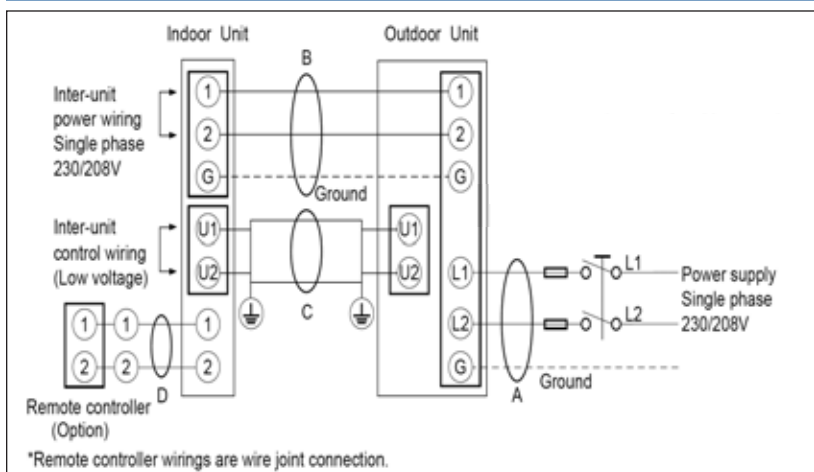
# Benefits

- High Efficiency systems up to 20 SEER
- Inverter Driven variable speed twin rotary compressors
- Precise compressor speed to match the building needs
- Quiet operation
- Designed to run longer periods at reduced speeds to improve dehumidification
- Quick and easy installation of indoor and outdoor units
- Wireless remote controllers available on all models
- Single Point Power Supply reduces installation costs (Comply with local codes on wire size)
- 6 Year compressor warranty and 1 year parts warranty

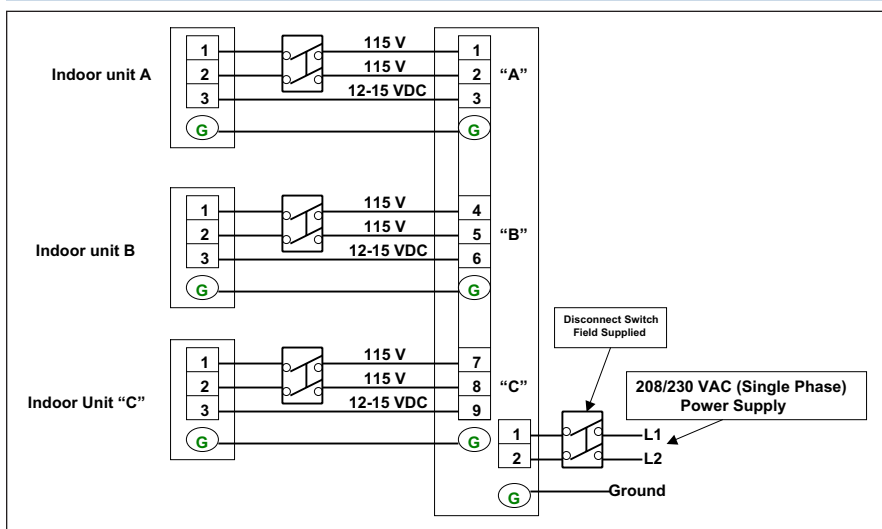
## 9,000 - 24,000 Btu/h single zone wiring schematic



## 26,000 - 42,000 Btu/h single zone wiring schematic (control wiring to be 18/2 shielded; grounded on both ends)



## Flexi Multi wiring schematic ( example shown is with 3 indoor units)



# Wall-Mounted Air Conditioners



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

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



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



Wireless Remote Controller



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

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



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



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



WASHABLE FRONT GRILLE



Only for 09KLS71, 12KLS71, 18KLS72, 24KLS72

## Wall Mounted Air Conditioners

Model No.	09KS71 / 09KLS71		12KS71 / 12KLS71		18KS72 / 18KLS72		24KS72 / 24KLS72			
	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit		
Unit Model No.	KS0971	C0971 / CL0971	KS1271	C1271 / CL1271	KS1872	C1872 / CL1872	KS2472	C2472 / CL2472		
<b>Performance &amp; Electrical Ratings</b>										
Capacity	Cooling	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	---		---		---		---		
Moisture Removal	High	3.4		4.26		4.89		4.89		
	Pints/H	---		---		---		---		
Dry Air Flow	Hi / Med / Low	282 / 247 / 200		294 / 259 / 212		524 / 470 / 417		600 / 541 / 482		
	CFM	---		---		---		---		
SEER	Cooling	16		17		20		17		
HSPF	Heating	---		---		---		---		
	Heating	---		---		---		---		
COP	Heating	---		---		---		---		
	Heating	---		---		---		---		
Power Supply	V, Phase, Hz		115V, 1PH, 60Hz		115V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz	
Running Amps	Cooling	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)		
	A	---		---		---		---		
Power Input	Cooling	755 (250-755)		1,090 (250-1,090)		1,500 / 1,500 (250-1,500)		2,355 / 2,355 (280-2,355)		
	W	---		---		---		---		
Back-up Heater	Heating	---		---		---		---		
	W	---		---		---		---		
Fuse or Circuit Breaker Capacity	kW	20		20		20		20		
Fuse or Circuit Breaker Capacity	A	---		---		---		---		
<b>Features</b>										
Controls	Microprocessor		Microprocessor		Microprocessor		Microprocessor			
Low Ambient Control	09KLS71 Equip.		12KLS71 Equip.		18KLS71 Equip.		24KLS71 Equip.			
Wireless Remote Controller	Included		Included		Included		Included			
Wired Remote Control	STK-RCS-7TWSU & STK-KCW1 (optional)		STK-RCS-7TWSU & STK-KCW1 (optional)		STK-RCS-7TWSU & STK-KCW1 (optional)		STK-RCS-7TWSU & STK-KCW1 (optional)			
Fan Speeds	Hi / Me / Lo & Auto		Hi / Me / Lo & Auto		Hi / Me / Lo & Auto		Hi / Me / Lo & Auto			
	1hr OFF and		1hr OFF and		1hr OFF and		1hr OFF and			
Timer	24-hr PROGRAM		24-hr PROGRAM		24-hr PROGRAM		24-hr PROGRAM			
	Manual		Manual		Manual		Manual			
Air Deflection	Horizontal	Manual		Manual		Manual		Manual		
	Vertical	Automatic		Automatic		Automatic		Automatic		
Air Filter	Washable + Apatite		Washable + Apatite		Washable + Apatite		Washable + Apatite			
Refrigerant	R-410A		R-410A		R-410A		R-410A			
Refrigerant control	Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve Control			
Operation Sound	In(Hi / Me / Lo / Qt) dB-A	34 / 31 / 28 / 23		36 / 33 / 29 / 25		42 / 38 / 30 / 28		47 / 44 / 41 / 30		
	Outdoor(Hi) dB-A	46		47		51		55		
Refrigerant Piping	Type	Flare Type		Flare Type		Flare Type		Flare Type		
	Discharge	1/4" Discharge		1/4" Discharge		1/4" Discharge		1/4" Discharge		
Suction	3/8" Suction		3/8" Suction		1/2" Suction		5/8" Suction			
Refrigerant Pipe Length	Ft.	Max. 50Ft		Max. 65Ft		Max. 98Ft		Max. 131Ft		
Elevation Difference**	Outdoor Above	Ft. Max. 23Ft		Ft. Max. 23Ft		Ft. Max. 50Ft		Ft. Max. 50Ft		
	Outdoor Below	Ft. Max. 23Ft		Ft. Max. 23Ft		Ft. Max. 50Ft		Ft. Max. 50Ft		
<b>Dimensions &amp; Weight</b>										
Height	Indoor Unit	11-7/32"		11-7/32"		11-23/32"		11-23/32"		
	Outdoor Unit	21-9/16"		21-9/16"		26-3/8"		29-1/8"		
Width	Indoor Unit	32-15/32"		32-15/32"		41-15/16"		41-15/16"		
	Outdoor Unit	28-11/32"		28-11/32"		34-21/32"		35-7/16"		
Depth	Indoor Unit	7-7/16"		7-7/16"		8-19/32"		8-19/32"		
	Outdoor Unit	10-7/16"		10-7/16"		11-7/32"		12-19/32"		
Net Weight	Indoor Unit	Lbs. 19.8		Lbs. 19.8		Lbs. 26.5		Lbs. 26.5		
	Outdoor Unit	Lbs. 72.8		Lbs. 75.0		Lbs. 90.4		Lbs. 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.)





# Wall-Mounted Air Conditioners

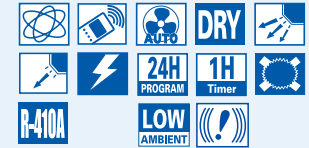


**26KS72R**

**Indoor Unit  
KHS2672R**



**Outdoor Unit  
C2672R**



Wireless Remote Controller (RCS-SH1UA)



**30KS72R**

**36KS72R**

**Indoor Unit  
KHS3072R  
KHS3672R**



**Outdoor Unit  
C3072R  
C3672R**



Wall Mounted Air Conditioners						
Model No.	26KS72R		30KS72R		36KS72R	
	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Unit Model No.	KHS2672R	C2672R	KHS3072R	C3072R	KHS3672R	C3672R
<b>Performance &amp; Electrical Ratings</b>						
Capacity	Cooling	Btu/h	25,200 (9,500-25,200)		31,400 (9,500-31,400)	
	Heating	Btu/h	---		---	
Moisture Removal	High	Pints/H	8.1		10.0	
Dry Air Flow	Hi / Med / Low	CFM	559 / 475 / 390		830 / 710 / 590	
SEER	Cooling		14.9		15.9	
EER	Cooling		---		---	
HSPF	Heating		---		---	
COP	Heating		---		---	
Power Supply		V, Phase, Hz	230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz	
Running Amps	Cooling	A	15.3 / 16.9		17.9 / 19.8	
	Heating	A	---		---	
Power Input	Cooling	W	2,840 / 2,840		3,750 / 3,750	
	Heating	W	---		---	
Back-up Heater		kW	---		---	
Fuse or Circuit Breaker Capacity		A	15 30		15 35	
<b>Features</b>						
Controls	Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control	Built-in 0°F		Built-in 0°F		Built-in 0°F	
Wireless Remote Controller	RCS-SH1UA (included)		RCS-SH1UA (included)		RCS-SH1UA (included)	
Wired Remote Controller	RCS-TM80BG (optional)		RCS-TM80BG (optional)		RCS-TM80BG (optional)	
Fan Speeds	3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable	
Timer	Option		Option		Option	
Air Deflection	Horizontal		---		---	
	Vertical		Automatic		Automatic	
Air Filter	Washable		Washable		Washable	
Refrigerant	R-410A		R-410A		R-410A	
Refrigerant control	Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Me / Lo)	dB-A	48 / 42 / 38		48 / 44 / 40	
	Outdoor(Hi)	dB-A	49		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>						
Height		inches	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			12-63/64"	30-23/32"	14-9/16"	30-23/32"
Width		inches	44-7/8"	37"	59-1/16"	37"
Depth		inches	8-31/32"	13-3/8"	9-7/16"	13-3/8"
Net Weight		Lbs.	40.0	128.0	63.9	143.0

\*\* 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.)



# Wall-Mounted Heat Pumps



**Indoor Unit**  
KHS0971  
KHS1271



**Outdoor Unit**  
CH0971  
CH1271



**09KHS71** ← Qualifies for Tax Credit  
**12KHS71**



**Indoor Unit**  
KHS1872  
KHS2472



**Outdoor Unit**  
CH1872  
CH2472



WASHABLE FRONT GRILLE

**18KHS72**  
**24KHS72**



Above models do not have back up heater

## Wall Mounted Heat Pump

Model No.	09KHS71		12KHS71		18KHS72		24KHS72		
	Indoor Unit KHS0971	Outdoor Unit CH0971	Indoor Unit KHS1271	Outdoor Unit CH1271	Indoor Unit KHS1872	Outdoor Unit CH1872	Indoor Unit KHS2472	Outdoor Unit CH2472	
<b>Performance &amp; Electrical Ratings</b>									
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)	13,300 (3,000-13,300)	20,400 (4,400-20,400)	29,000 (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	17	20	17			
HSPF	Heating		7.7	9.3	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			
<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	Included		Included		Included		Included		
Wired Remote Control	STK-RCS-7TWSU & STK-KCWI (optional)		STK-RCS-7TWSU & STK-KCWI (optional)		STK-RCS-7TWSU & STK-KCWI (optional)		STK-RCS-7TWSU & STK-KCWI (optional)		
Fan Speeds	Hi / Me / Lo & Auto		Hi / Me / Lo & Auto		Hi / Me / Lo & Auto		Hi / Me / Lo & Auto		
Timer	1hr OFF and 24-hr PROGRAM		1hr OFF and 24-hr PROGRAM		1hr OFF and 24-hr PROGRAM		1hr OFF and 24-hr PROGRAM		
Air Deflection	Horizontal	Manual	Manual	Manual	Manual	Manual	Manual	Manual	
	Vertical	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	
Air Filter	Washable		Washable		Washable		Washable		
Refrigerant	R-410A		R-410A		R-410A		R-410A		
Refrigerant control	Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		
Operation Sound	In(Hi / Me / Lo / Qt)	dB-A	34 / 31 / 28 / 23	36 / 33 / 29 / 25	42 / 38 / 30 / 28	47 / 44 / 41 / 30			
	Outdoor(Hi)	dB-A	46	47	51	52	55	56	
Refrigerant Piping	Type	Flare Type	Flare 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	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. 98Ft	Max. 98Ft			
Elevation Difference**	Outdoor Above	Ft.	Max. 23Ft	Max. 23Ft	Max. 50Ft	Max. 50Ft			
	Outdoor Below	Ft.	Max. 23Ft	Max. 23Ft	Max. 50Ft	Max. 50Ft			
<b>Dimensions &amp; Weight</b>									
Height	inches	Indoor Unit	11-7/32"	Outdoor Unit	21-9/16"	Indoor Unit	11-23/32"	Outdoor Unit	29-1/8"
Width	inches	Indoor Unit	32-15/32"	Outdoor Unit	28-11/32"	Indoor Unit	41-15/16"	Outdoor Unit	34-21/32"
Depth	inches	Indoor Unit	7-7/16"	Outdoor Unit	10-7/16"	Indoor Unit	8-19/32"	Outdoor Unit	11-7/32"
Net Weight	Lbs.	Indoor Unit	19.8	Outdoor Unit	75.0	Indoor Unit	26.5	Outdoor Unit	97.0

\*\* 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)



# Wall-Mounted Heat Pumps



**26KHS72R**

**Indoor Unit  
KHS2672R**



**Outdoor Unit  
CH2672R**



**26KHHS72R**

**Indoor Unit  
KHHS2672R**



**Outdoor Unit  
CH2672R**



**30KHS72R**

**36KHS72R**

**Indoor Unit  
KHS3072R  
KHS3672R**



**Outdoor Unit  
CH3072R  
CH3672R**



			Wall Mounted Heat Pump W/ Heater				Wall Mounted Heat Pump			
Model No.			26KHHS72R		26KHS72R		30KHS72R		36KHS72R	
Unit Model No.			Indoor Unit KHHS2672R	Outdoor Unit CH2672R	Indoor Unit KHS2672R	Outdoor Unit CH2672R	Indoor Unit KHS3072R	Outdoor Unit CH3072R	Indoor Unit KHS3672R	Outdoor Unit CH3672R
<b>Performance &amp; Electrical Ratings</b>										
Capacity	Cooling	Btu/h	23,000 (9,500-23,000)		25,200 (9,500-25,200)		29,800 (9,500-29,800)		31,400 (9,500-31,400)	
	Heating	Btu/h	27,600 (8,000-27,600)		29,200 (8,000-29,200)		34,800 (8,000-34,800)		36,400 (8,000-36,400)	
Moisture Removal	High	Pints/H	7.4		8.1		9.7		10.0	
Dry Air Flow	Hi / Med / Low	CFM	540 / 460 / 380		559 / 475 / 390		840 / 740 / 620		830 / 710 / 590	
SEER	Cooling		15.9		14.9		15.0		15.9	
HSPF	Heating		10.3		10.2		9.0		9.0	
COP	Heating									
Power Supply		V, Phase, Hz	230V / 208V		230V / 208V		230V / 208V		230V / 208V	
Running Amps	Cooling	A	14.0 / 15.5		15.3 / 16.9		17.7 / 19.6		17.9 / 19.8	
	Heating	A	14.6 / 16.1		14.0 / 15.5		16.2 / 17.9		15.9 / 17.6	
Power Input	Cooling	W	2,610 / 2,610		2,840 / 2,840		3,690 / 3,690		3,750 / 3,750	
	Heating	W	2,720 / 2,720		2,620 / 2,620		3,390 / 3,390		3,320 / 3,320	
Back-up Heater		kW	1.8 / 1.47							
Fuse or Circuit Breaker Capacity		A	15	30	15	30	15	35	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			RCS-SHIUA (included)		RCS-SHIUA (included)		RCS-SHIUA (included)		RCS-SHIUA (included)	
Wired Remote Controller			RCS-TM80BG (optional)		RCS-TM80BG (optional)		RCS-TM80BG (optional)		RCS-TM80BG (optional)	
Fan Speeds			3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable	
Timer			24hr/72hr		24hr/72hr		24hr/72hr		24hr/72hr	
Air Deflection	Horizontal		---		---		---		---	
	Vertical		Automatic		Automatic		Automatic		Automatic	
Air Filter			Washable		Washable		Washable		Washable	
Refrigerant			R-410A		R-410A		R-410A		R-410A	
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Me / Lo)	dB-A	45 / 42 / 40		41 / 37 / 34		46 / 42 / 38		48 / 44 / 40	
	Outdoor(Hi)	dB-A	49		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	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	Outdoor Unit	Indoor Unit	Outdoor Unit
Height	inches		14-9/16"	30-23/32"	12-63/64"	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

\*\* 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)



# Flexi-Multi System Indoor Units

## 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.



Optional Wired controller  
STK-RCS-7TWSU  
& STK-KCWI



Wireless Remote Controller  
"Included" with each indoor



**KMS0772 / KMS0972 / KMS1272 / KMS1872 / KMS2472**

**KMHS0772 / KMHS0972 / KMHS1272 / KMHS1872 / KMHS2472**



## Indoor Unit: Wall Mounted Type

Cooling Only						
Model No.		KMS0772	KMS0972	KMS1272	KMS1872	KMS2472
Power Source		230V / 208V, 1 PH, 60 Hz				
Running Ampere	A	0.11	0.15	0.15	0.15	0.20
Power Input	W	25	35	35	35	45
Capacity	Cooling Btu/h	7,500	9,000	11,900	17,500	24,200
Moisture Removal High Prints/H		2.77	3.40	4.26	4.89	4.89
Unit Dimensions (HxWxD)	inch	11"-7/32" x 32"-15/32" x 7"-7/16"			11"-23/32" x 41"-15/16" x 8"-19/32"	
Net Weight	Lbs	19.8	19.8	19.8	26.5	26.5
Air Circulation (High)	Cooling CFM	241	259	282	500	541
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"
Elevation Difference**	Outdoor Above Ft.	Max 50Ft	Max 50Ft	Max 50Ft	Max 50Ft	Max 50Ft
	Outdoor Below Ft.	Max 50Ft	Max 50Ft	Max 50Ft	Max 50Ft	Max 50Ft

Heat Pump						
Model No.		KMHS0772	KMHS0972	KMHS1272	KMHS1872	KMHS2472
Power Source		230V-208V, 1 PH, 60 Hz				
Running Ampere		0.11	0.15	0.15	0.15	0.20
Power Input		25	35	35	35	45
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
Moisture Removal High Prints/H		2.77	3.40	4.26	4.89	4.89
Unit Dimensions (HxWxD)	inch	11"-7/32" x 32"-15/32" x 7"-7/16"			11"-23/32" x 41"-15/16" x 8"-19/32"	
Net Weight	Lbs	19.8	19.8	19.8	26.5	26.5
Air Circulation (HIGH)	Cooling CFM	241	259	282	500	541
	Heating CFM	271	282	294	500	541
Hi / Me / Lo / Qt	Cooling dB-A	33 / 30 / 27 / 23	34 / 31 / 28 / 23	36 / 33 / 29 / 25	41 / 38 / 34 / 28	44 / 41 / 38 / 30
Operating Sound	Heating dB-A	33 / 30 / 27 / 23	34 / 31 / 28 / 23	34 / 31 / 29 / 25	40 / 37 / 34 / 28	43 / 40 / 37 / 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"
Elevation Difference**	Outdoor Above Ft.	Max 50Ft	Max 50Ft	Max 50Ft	Max 50Ft	Max 50Ft
	Outdoor Below Ft.	Max 50Ft	Max 50Ft	Max 50Ft	Max 50Ft	Max 50Ft

\*\* 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)



# Flexi-Multi System Outdoor Units



Connectable from 2 to 3 Indoor Units



Up to **3** Rooms



**CM1972 / CLM1972**



**CMH1972**

Qualifies for Tax Credit

Model No.	Outdoor Unit	CM1972 / CLM1972	CMH1972	
Performance		Cooling	Cooling	Heating
Capacity	Btu/h	19,700	19,100	24,800
Air Circulation	High	1,707	1,707	
Number of Connectable Indoor Units	CFM	2 ~ 3	2 ~ 3	
SEER	Cooling	16.5	16.4	
HSPF	Heating	-	8.8	
Electrical Rating				
Power Supply	V, Phase, Hz	230V / 208V, 1Ph, 60Hz	230V / 208V, 1Ph, 60Hz	
Running Ampere	A	7.0 / 7.7	7.4	8.5
Power Input	W	1,570 / 1,570	1,500	1,735
Maximum Fuse Size	Amps	20A	20A	
Features				
Controls		Microprocessor	Microprocessor	
Fan Speeds		Auto (Hi, Me, Lo)	Auto (Hi, Me, Lo)	
Compressor		DC Inverter	DC Inverter	
Refrigerant / Amount Charged at Shipment	1b	R410A / 6.17	R410A / 6.17	
Refrigerant Control		Electric Expansion Valve	Electric Expansion Valve	
Operation Sound	Hi	50	50	52
Refrigerant Tubing Connections		Flare Type	Flare Type	
Max. Allowable Tubing Length	Ft	82 (per Unit) 150 (per System)	82 (per Unit) 150 (per System)	
Refrigerant Tube Diameter	Narrow Tube	1/4" x 3	1/4" x 3	
	Wide Tube	3/8" x 3	3/8" x 3	
Dimensions & Weight				
Unit Dimensions	H x W x D	29-1/8" x 35-7/16" x 12-19/32"	29-1/8" x 35-7/16" x 12-19/32"	
Net Weight	Lbs	138.9	143.3	

**IMPORTANT**

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





# Flexi-Multi System Outdoor Units

Connectable from 2 to 3 Indoor Units



Up to **3** Rooms



**CM2472 / CLM2472**



**CMH2472**

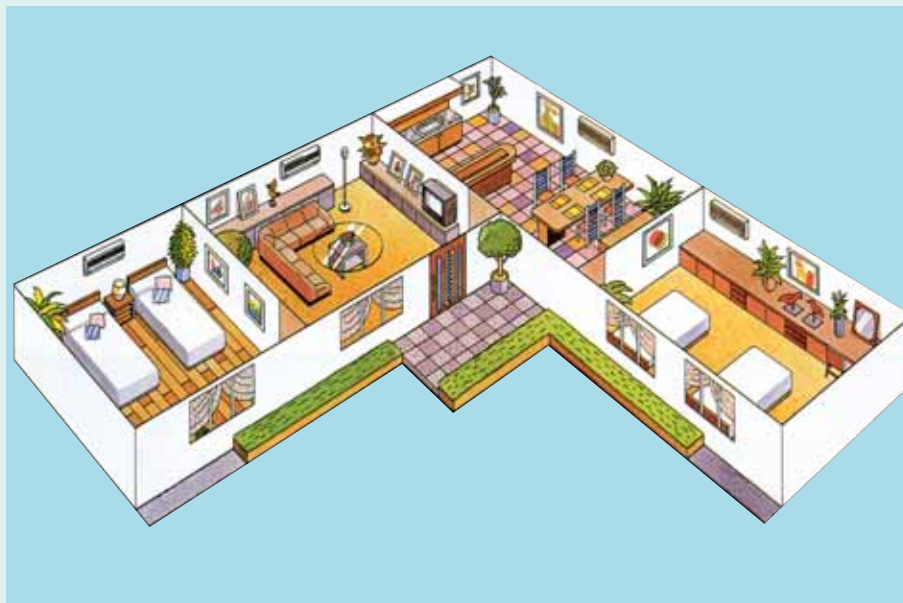
Model No.	Outdoor Unit	CM2472 / CLM2472		CMH2472	
Performance		Cooling		Cooling	Heating
Capacity	Btu/h	25,400		23,200	29,200
Air Circulation	High CFM	1,707		1,707	
Number of Connectable Indoor Units		2 ~ 3		2 ~ 3	
SEER	Cooling	16.2		16.5	
HSPF	Heating	-		8.4	
Electrical Rating					
Power Supply	V, Phase, Hz	230V / 208V, 1Ph, 60Hz		230V / 208V, 1Ph, 60Hz	
Running Ampere	A	11.3 / 12.5		9.0 / 100	10.1 / 11.1
Power Input	W	2,560 / 2,560		2,040 / 2,040	2,270 / 2,270
Maximum Fuse Size	Amps	20A		20A	
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 / 6.17		R410A / 6.17	
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	Ft	82 (per Unit) 200 (per System with additional Refrigerant)		82 (per Unit) 200 (per System with additional Refrigerant)	
Refrigerant Tube Diameter	Narrow Tube inch	1/4" x 4		1/4" x 4	
	Wide Tube inch	3/8" x 3 + 1/2" x 1		3/8" x 3 + 1/2" x 1	
Dimensions & Weight					
Unit Dimensions	H x W x D inch	29-1/8" x 35-7/16" x 12-19/32"		29-1/8" x 35-7/16" x 12-19/32"	
Net Weight	Lbs	138.9		143.3	

**IMPORTANT**

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



# Flexi-Multi System Outdoor Units



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 / 28,600	32,000
Air Circulation	High	1,942		1942	1807
Number of Connectable Indoor Units		2 ~ 4		2 ~ 4	
SEER	Cooling	17.6		17.2	
HSPF	Heating	-		9.3	
Electrical Rating					
Power Supply	V, Phase, Hz	230V / 208V, 1Ph, 60Hz		230V / 208V, 1Ph, 60Hz	
Running Ampere	A	12.3 / 13.6		12.3 / 13.6	10.3 / 11.4
Power Input	W	2,800 / 2,800		2,800 / 2,800	2,350 / 2,350
Maximum Fuse Size	Amps	20A		20A	
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 / 8.38		R410A / 8.38	
Refrigerant Control		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	Hi	53		53	52
Refrigerant Tubing Connections		Flare Type		Flare Type	
Max. Allowable Tubing Length	Ft	100 (per Unit) 230 (per System with additional Refrigerant)		100 (per Unit) 230 (per System with additional Refrigerant)	
Refrigerant Tube Diameter	Narrow Tube	1/4" x 4		1/4" x 4	
	Wide Tube	3/8" x 2 + 1/2" x 2		3/8" x 2 + 1/2" x 2	
Dimensions & Weight					
Unit Dimensions	H x W x D	35-1/32" x 35-7/16" x 12-19/32"		35-1/32" x 35-7/16" x 12-19/32"	
Net Weight	Lbs	174.2		180.8	

**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.



# Flexi-Multi Combination Tables-Cooling

Most popular combinations, refer to technical manual for complete listing of combinations.

	CMH1972/CM1972/CLM1972						Cooling								
	Room					Total Capacity	Room						Total Performance		
	A	B	C				A	B	C						
Dual Zone	7500	+	7500			=	15000	7500	100.0%	7500	100.0%			15,000	100.0%
	7500	+	9000			=	16500	7485	99.8%	9015	100.2%			16,500	100.0%
	7500	+	11900			=	19400	6716	89.5%	10684	89.8%			17,400	89.7%
	9000	+	9000			=	18000	8500	94.4%	8500	94.4%			17,000	94.4%
	9000	+	11900			=	20900	7627	84.7%	10073	84.6%			17,700	84.7%
	11900	+	11900			=	23800	9200	77.3%	9200	77.3%			18,400	77.3%
Tri Zone	7500	+	7500	+	7500	=	22500	6000	80.0%	6000	80.0%	6000	80.0%	18,000	80.0%
	7500	+	7500	+	9000	=	24000	5742	76.6%	5742	76.6%	6916	76.8%	18,400	76.7%

	CMH2472/CM2472/CLM2472						Cooling								
	Room					Total Capacity	Room						Total Performance		
	A	B	C				A	B	C						
Dual Zone	7500	+	7500			=	15000	7500	100.0%	7500	100.0%			15000	100.0%
	7500	+	9000			=	16500	7485	99.8%	9015	100.2%			16500	100.0%
	7500	+	11900			=	19400	7488	89.8%	11912	100.1%			19400	100.0%
	7500	+	17500			=	25000	6705	89.4%	15695	89.7%			22400	89.6%
	9000	+	9000			=	18000	9000	100.0%	9000	100.0%			18000	100.0%
	9000	+	11900			=	20900	8618	95.8%	11382	95.6%			20000	95.7%
	9000	+	17500			=	26500	7746	86.1%	15054	86.0%			22800	86.0%
	11900	+	11900			=	23800	11200	94.1%	11200	94.1%			22400	94.1%
	11900	+	17500			=	29400	9387	78.9%	13813	78.9%			23200	78.9%
	Tri Zone	7500	+	7500	+	7500	=	22500	7333	97.8%	7333	97.8%	7333	97.8%	22000
7500		+	7500	+	9000	=	24000	6990	93.2%	6990	93.2%	8420	93.6%	22400	93.3%
7500		+	7500	+	11900	=	26900	6405	85.4%	6405	85.4%	10190	85.6%	23000	85.5%
7500		+	9000	+	9000	=	25500	6688	89.2%	8056	89.5%	8056	89.5%	22800	89.4%
7500		+	9000	+	11900	=	28400	6113	81.5%	7363	81.8%	9725	81.7%	23200	81.7%
9000		+	9000	+	9000	=	27000	7733	85.9%	7733	85.9%	7733	85.9%	23200	85.9%

	CMH3172/CM3172/CLM3172						Cooling										
	Room					Total Capacity	Room						Total Performance				
	A	B	C	D			A	B	C	D							
Dual Zone	7500	+	7500			=	15000	7500	100.0%	7500	100.0%			15000	100.0%		
	7500	+	9000			=	16500	7500	100.0%	9000	100.0%			16500	100.0%		
	7500	+	11900			=	19400	7500	100.0%	11900	100.0%			19400	100.0%		
	7500	+	17500			=	25000	7320	97.6%	17080	97.6%			24400	97.6%		
	7500	+	24200			=	31700	6625	88.3%	21375	88.3%			28000	88.3%		
	9000	+	9000			=	18000	9000	100.0%	9000	100.0%			18000	100.0%		
	9000	+	11900			=	20900	8957	99.5%	11843	99.5%			20800	99.5%		
	9000	+	17500			=	26500	8626	95.8%	16774	95.9%			25400	95.8%		
	9000	+	24200			=	33200	7861	87.3%	21139	87.4%			29000	87.3%		
	11900	+	11900			=	23800	11900	100.0%	11900	100.0%			23800	100.0%		
	11900	+	17500			=	29400	10848	91.2%	15952	91.2%			26800	91.2%		
	11900	+	24200			=	36100	9625	80.9%	19575	80.9%			29200	80.9%		
	17500	+	17500			=	35000	14500	82.9%	14500	82.9%			29000	82.9%		
	Tri Zone	7500	+	7500	+	7500	=	22500	7467	99.6%	7467	99.6%	7467	99.6%	22400	99.6%	
7500		+	7500	+	9000	=	24000	7500	100.0%	7500	100.0%	9000	100.0%	24000	100.0%		
7500		+	7500	+	11900	=	26900	7082	94.4%	7082	94.4%	11236	94.4%	25400	94.4%		
7500		+	7500	+	17500	=	32500	6600	88.0%	6600	88.0%	15400	88.0%	28600	88.0%		
7500		+	9000	+	9000	=	25500	7294	97.3%	8753	97.3%	8753	97.3%	24800	97.3%		
7500		+	9000	+	11900	=	28400	6972	93.0%	8366	93.0%	11062	93.0%	26400	93.0%		
7500		+	9000	+	17500	=	34000	6309	84.1%	7571	84.1%	14721	84.1%	28600	84.1%		
7500		+	11900	+	11900	=	31300	6613	88.2%	10493	88.2%	10493	88.2%	27600	88.2%		
7500		+	11900	+	17500	=	36900	5935	79.1%	9417	79.1%	13848	79.1%	29200	79.1%		
9000		+	9000	+	9000	=	27000	8533	94.8%	8533	94.8%	8533	94.8%	25600	94.8%		
9000		+	9000	+	11900	=	29900	8187	91.0%	8187	91.0%	10825	91.0%	27200	91.0%		
9000		+	9000	+	17500	=	35500	7352	81.7%	7352	81.7%	14296	81.7%	29000	81.7%		
9000		+	11900	+	11900	=	32800	7848	87.2%	10376	87.2%	10376	87.2%	28600	87.2%		
11900		+	11900	+	11900	=	35700	9267	77.9%	9267	77.9%	9267	77.9%	27800	77.9%		
Quad Zone	7500	+	7500	+	7500	+	30000	6800	90.7%	6800	90.7%	6800	90.7%	6800	90.7%	27200	90.7%
	7500	+	7500	+	7500	+	31500	6667	88.9%	6667	88.9%	6667	88.9%	8000	88.9%	28000	88.9%
	7500	+	7500	+	7500	+	34400	6235	83.1%	6235	83.1%	6235	83.1%	9894	83.1%	28600	83.1%
	7500	+	7500	+	9000	+	33000	6409	85.5%	6409	85.5%	7691	85.5%	7691	85.5%	28200	85.5%
	7500	+	7500	+	9000	+	35900	6058	80.8%	6058	80.8%	7270	80.8%	9613	80.8%	29000	80.8%
	7500	+	9000	+	9000	+	34500	6217	82.9%	7461	82.9%	7461	82.9%	7461	82.9%	28600	82.9%
	7500	+	9000	+	9000	+	37400	6136	81.8%	7364	81.8%	7364	81.8%	9736	81.8%	30600	81.8%
	9000	+	9000	+	9000	+	36000	7650	85.0%	7650	85.0%	7650	85.0%	7650	85.0%	30600	85.0%

# Flexi-Multi Combination Tables-Heating

Most popular combinations, refer to technical manual for complete listing of combinations.

	CMH1972						Heating								
	Room					Total Capacity	Room						Total Performance		
	A	B	C				A	B	C						
Dual Zone	8500	+	8500		=	17000	8500	100.0%	8500	100.0%			17,000	100.0%	
	8500	+	12200		=	20700	8525	100.3%	12275	100.6%			20,800	100.5%	
	8500	+	14300		=	22800	8358	98.3%	14042	98.2%			22,400	98.2%	
	12200	+	12200		=	24400	11600	95.1%	11600	95.1%			23,200	95.1%	
	12200	+	14300		=	26500	10800	88.5%	12600	88.1%			23,400	88.3%	
	14300	+	14300		=	28600	11900	83.2%	11900	83.2%			23,800	83.2%	
Tri Zone	8500	+	8500	+	8500	=	25500	7800	91.8%	7800	91.8%	7800	91.8%	23,400	91.8%
	8500	+	8500	+	12200	=	29200	6919	81.4%	6919	81.4%	9963	81.7%	23,800	81.5%

	CMH2472						Heating								
	Room					Total Capacity	Room						Total Performance		
	A	B	C				A	B	C						
Dual Zone	8500	+	8500		=	17000	8500	100.0%	8500	100.0%			17,000	100.0%	
	8500	+	12200		=	20700	8525	100.3%	12275	100.6%			20,800	100.5%	
	8500	+	14300		=	22800	8507	100.1%	14293	100.0%			22,800	100.0%	
	8500	+	20400		=	28900	8294	97.6%	19906	97.6%			28,200	97.6%	
	12200	+	12200		=	24400	12200	100.0%	12200	100.0%			24,400	100.0%	
	12200	+	14300		=	26500	11908	97.6%	13892	97.1%			25,800	97.4%	
	12200	+	20400		=	32600	10725	87.9%	17875	87.6%			28,600	87.7%	
	14300	+	14300		=	28600	13600	95.1%	13600	95.1%			27,200	95.1%	
Tri Zone	14300	+	20400		=	34700	11941	83.5%	17059	83.6%			29,000	83.6%	
	8500	+	8500	+	8500	=	25500	8467	99.6%	8467	99.6%	8467	99.6%	25,400	99.6%
	8500	+	8500	+	12200	=	29200	7907	93.0%	7907	93.0%	11386	93.3%	27,200	93.2%
	8500	+	8500	+	14300	=	31300	7663	90.2%	7663	90.2%	12874	90.0%	28,200	90.1%
	8500	+	12200	+	12200	=	32900	7371	86.7%	10614	87.0%	10614	87.0%	28,600	86.9%
	8500	+	12200	+	14300	=	35000	7039	82.8%	10136	83.1%	11825	82.7%	29,000	82.9%
	12200	+	12200	+	12200	=	36600	9733	79.8%	9733	79.8%	9733	79.8%	29,200	79.8%

	CMH3172						Heating										
	Room					Total Capacity	Room						Total Performance				
	A	B	C	D			A	B	C	D							
Dual Zone	8500	+	8500		=	17000	8500	100.0%	8500	100.0%			17,000	100.0%			
	8500	+	12200		=	20700	8541	100.5%	12259	100.5%			20,800	100.5%			
	8500	+	14300		=	22800	8500	100.0%	14300	100.0%			22,800	100.0%			
	8500	+	20400		=	28900	8529	100.3%	20471	100.3%			29,000	100.3%			
	8500	+	29000		=	37500	6800	80.0%	23200	80.0%			30,000	80.0%			
	12200	+	12200		=	24400	12200	100.0%	12200	100.0%			24,400	100.0%			
	12200	+	14300		=	26500	11878	97.4%	13922	97.4%			25,800	97.4%			
	12200	+	20400		=	32600	11002	90.2%	18398	90.2%			29,400	90.2%			
	12200	+	29000		=	41200	9061	74.3%	21539	74.3%			30,600	74.3%			
	14300	+	14300		=	28600	13600	95.1%	13600	95.1%			27,200	95.1%			
	14300	+	20400		=	34700	12281	85.9%	17519	85.9%			29,800	85.9%			
	14300	+	29000		=	43300	10238	71.6%	20762	71.6%			31,000	71.6%			
	20400	+	20400		=	40800	15300	75.0%	15300	75.0%			30,600	75.0%			
	Tri Zone	8500	+	8500	+	8500	=	25500	8467	99.6%	8467	99.6%	8467	99.6%	25,400	99.6%	
8500		+	8500	+	12200	=	29200	8442	99.3%	8442	99.3%	12116	99.3%	29,000	99.3%		
8500		+	8500	+	14300	=	31300	7930	93.3%	7930	93.3%	13341	93.3%	29,200	93.3%		
8500		+	8500	+	20400	=	37400	6818	80.2%	6818	80.2%	16364	80.2%	30,000	80.2%		
8500		+	12200	+	12200	=	32900	7596	89.4%	10902	89.4%	10902	89.4%	29,400	89.4%		
8500		+	12200	+	14300	=	35000	7237	85.1%	10387	85.1%	12175	85.1%	29,800	85.1%		
8500		+	12200	+	20400	=	41100	6328	74.4%	9083	74.5%	15188	74.5%	30,600	74.5%		
8500		+	14300	+	14300	=	37100	6873	80.9%	11563	80.9%	11563	80.9%	30,000	80.9%		
8500		+	14300	+	20400	=	43200	6100	71.8%	10262	71.8%	14639	71.8%	31,000	71.8%		
12200		+	12200	+	12200	=	36600	10000	82.0%	10000	82.0%	10000	82.0%	30,000	82.0%		
12200		+	12200	+	14300	=	38700	9520	78.0%	9520	78.0%	11159	78.0%	30,200	78.0%		
12200		+	12200	+	20400	=	44800	8496	69.6%	8496	69.6%	14207	69.6%	31,200	69.6%		
12200		+	14300	+	14300	=	40800	9150	75.0%	10725	75.0%	10725	75.0%	30,600	75.0%		
14300		+	14300	+	14300	=	42900	10333	72.3%	10333	72.3%	10333	72.3%	31,000	72.3%		
Quad Zone	8500	+	8500	+	8500	+	8500	=	34000	7400	87.1%	7400	87.1%	7400	87.1%	29,600	87.1%
	8500	+	8500	+	8500	+	12200	=	37700	6764	79.6%	6764	79.6%	6764	79.6%	30,000	79.6%
	8500	+	8500	+	8500	+	14300	=	39800	6492	76.4%	6492	76.4%	6492	76.4%	30,400	76.4%
	8500	+	8500	+	12200	+	12200	=	41400	6324	74.4%	6324	74.4%	9076	74.4%	30,800	74.4%
	8500	+	8500	+	12200	+	14300	=	43500	6097	71.7%	6097	71.7%	8750	71.7%	31,200	71.7%
	8500	+	12200	+	12200	+	12200	=	45100	5880	69.2%	8440	69.2%	8440	69.2%	31,200	69.2%
	8500	+	12200	+	12200	+	14300	=	47200	5691	67.0%	8168	67.0%	8168	67.0%	31,600	66.9%
	12200	+	12200	+	12200	+	12200	=	48800	8000	65.6%	8000	65.6%	8000	65.6%	32,000	65.6%



# Ceiling-Suspended Air Conditioners & Heat Pumps

Wired Remote Controller (RCS-TM808G) (Included)



**26TW72R / 26THW72R**

**Indoor Unit THW2672R**

Wired Remote Controller (RCS-TM808G) (Included)



**36TW72R / 42TW72R**

**36THW72R / 42THW72R**

**Indoor Unit THW3672R THW4272R**



**Outdoor Unit C2672R CH2672R**



**Outdoor Unit C3672R CH3672R**



**Outdoor Unit C4272R CH4272R**



Wired Remote Controller (RCS-TM808G) (Included)

**26THHW72R**

**Indoor Unit THHW2672R**

Wired Remote Controller (RCS-TM808G) (Included)



**36THHW72R**

**Indoor Unit THHW3672R**



**Outdoor Unit CH3672R**



**Outdoor Unit CH2672R**

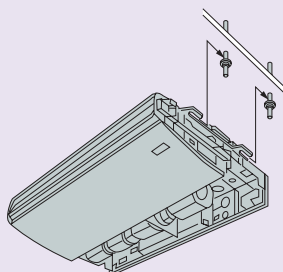


## Quiet Operation

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



## Improved Serviceability / Easy Installation



External suspension method. Installation time can be shortened.



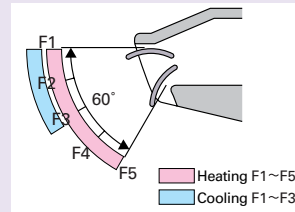
Improved accessibility to electronic components (control box) for servicing.



# Ceiling-Suspended Air Conditioners & Heat Pumps

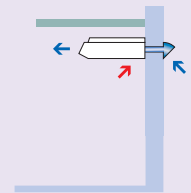
## Auto Louver Function Provides Optimum Airflow During Heating or Cooling Operation

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 Suspended models (T-series) have the capability of bringing fresh air from outside using an air intake duct (field supplied).



Ceiling - Suspended Air Conditioners			Ceiling - Suspended Heat Pumps w/ Heater			Ceiling - Suspended Heat Pumps						
Model No.	26TW72R	36TW72R	42TW72R	26THHW72R	36THHW72R	26THW72R	36THW72R	42THW72R				
Unit Model No.	Indoor Unit THW2672R	Outdoor Unit C2672R	Indoor Unit THW3672R	Outdoor Unit C3672R	Indoor Unit THW4272R	Outdoor Unit C4272R	Indoor Unit THW2672R	Outdoor Unit CH2672R	Indoor Unit THW3672R	Outdoor Unit CH3672R	Indoor Unit THW4272R	Outdoor Unit CH4272R
<b>Performance &amp; Electrical Ratings</b>												
Capacity	Cooling Btu/h	24,400 (9,500-24,400)	31,200 (9,500-31,200)	39,000 (9,500-39,000)	24,400 (9,500-24,400)	31,200 (9,500-31,200)	24,400 (9,500-24,400)	31,200 (9,500-31,200)	39,000 (9,500-39,000)	24,400 (9,500-24,400)	31,200 (9,500-31,200)	39,000 (9,500-39,000)
	Heating Btu/h	---	---	---	30,800 (8,000-30,800)	37,400 (8,000-37,400)	30,800 (8,000-30,800)	37,400 (8,000-37,400)	44,500 (8,000-44,500)	30,800 (8,000-30,800)	37,400 (8,000-37,400)	44,500 (8,000-44,500)
Moisture Removal	High Pints/H	7.7	10.0	12.6	7.7	0.0	7.7	10.0	12.6	7.7	10.0	12.6
Dry Air Flow	Hi / Med / Low CFM	550 / 490 / 460	1100 / 930 / 750	1130 / 950 / 775	550 / 490 / 460	1100 / 930 / 750	550 / 490 / 460	1100 / 930 / 750	1130 / 950 / 775	550 / 490 / 460	1100 / 930 / 750	1130 / 950 / 775
SEER	Cooling	14.5	15.1	15.6	14.5	15.1	14.5	15.1	15.6	14.5	15.1	15.6
HSPF	Heating				10.3	9.6	10.3	9.6	10.2	10.3	9.6	10.2
COP	Heating											
Power Supply	V, Phase, Hz	230 / 208	230 / 208	230 / 208	230 / 208	230 / 208	230 / 208	230 / 208	230 / 208	230 / 208	230 / 208	230 / 208
Running Amps	Cooling A	15.6 / 17.3	18.2 / 20.1	21.1 / 23.3	5.6 / 17.3	18.2 / 20.1	15.6 / 17.3	18.2 / 20.1	21.1 / 23.3	15.6 / 17.3	18.2 / 20.1	21.1 / 23.3
	Heating A				16.4 / 18.1	15.6 / 17.3	16.4 / 18.1	15.6 / 17.3	18.6 / 20.6	16.4 / 18.1	15.6 / 17.3	18.6 / 20.6
Power Input	Cooling W	2,880 / 2,880	3,840 / 3,840	4,140 / 4,140	2,880 / 2,880	3,840 / 3,840	2,880 / 2,880	3,840 / 3,840	4,140 / 4,140	2,880 / 2,880	3,840 / 3,840	4,140 / 4,140
	Heating W				3,000 / 3,000	3,250 / 3,250	3,000 / 3,000	3,250 / 3,250	3,630 / 3,630	3,000 / 3,000	3,250 / 3,250	3,630 / 3,630
Back-up Heater	kW				1.8 / 1.47	2.4 / 1.95	---	-	-	---	-	-
Fuse or Circuit Breaker Capacity	A	15 30	15 35	15 40	15 30	15 35	15 30	15 35	15 40	15 30	15 35	15 40
<b>Features</b>												
Controls		Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	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	Built-in 0°F	Built-in 0°F	Built-in 0°F	Built-in 0°F	Built-in 0°F
Wireless Remote Controller (optional)		(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)	(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 (included)		RCS-TM80BG	RCS-TM80BG	RCS-TM80BG	RCS-TM80BG	RCS-TM80BG	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	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		7 Days/6 Events	7 Days/6 Events	7 Days/6 Events	7 Days/6 Events	7 Days/6 Events	7 Days/6 Events	7 Days/6 Events	7 Days/6 Events	7 Days/6 Events	7 Days/6 Events	7 Days/6 Events
Air Deflection	Horizontal	---	---	---	---	---	---	---	---	---	---	---
	Vertical	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Air Filter		Washable	Washable	Washable	Washable	Washable	Washable	Washable	Washable	Washable	Washable	Washable
Refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A	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	Electric Expansion Valve	Electric Expansion Valve	Electric Expansion Valve	Electric Expansion Valve	Electric Expansion Valve
Operation Sound	In (Hi / Me / L) / dBA	39 / 37 / 33	42 / 40 / 35	44 / 41 / 3	39 / 37 / 33	42 / 40 / 35	39 / 37 / 33	42 / 40 / 35	44 / 41 / 37	39 / 37 / 33	42 / 40 / 35	44 / 41 / 37
	Outdoor(Hi)	49	52	53	49	52	49	52	53	49	52	53
Refrigerant Piping	Type	Flare Type	Flare Type	Flare Type	Flare Type	Flare 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	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	5/8" Suction	5/8" Suction	5/8" Suction	5/8" Suction	5/8" Suction
Refrigerant Pipe Length	Ft.	Max. 165Ft	Max. 165Ft	Max. 165Ft	Max. 165Ft	Max. 165Ft	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	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	Max. 50Ft	Max. 50Ft	Max. 50Ft	Max. 50Ft	Max. 50Ft
<b>Dimensions &amp; Weight</b>												
Height	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
	inches	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"	7-17/32" 30-23/32"	9-7/16" 30-23/32"	9-7/16" 48-7/16"
Width	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
	inches	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"	51-3/16" 37"	62-1/32" 37"	62-1/32" 37"
Depth	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
	inches	26-3/8" 13-3/8"	26-3/8" 3-3/8"	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"	26-3/8" 13-3/8"	26-3/8" 13-3/8"
Net Weight	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
	Lbs.	57.0 128.0	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	57.0 128.0	84.0 143.0	84.0 220.0

\*\* 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)



# Ceiling-Recessed Air Conditioners & Heat Pumps



**Indoor Unit**  
**XS1271**  
**XS1872**  
**XHS1271**  
**XHS1872**

**Grille Assembly**  
**PNR-XS1872**



**Outdoor Unit**  
**C1271/CL1271**  
**C1872/CL1872**  
**CH1271**  
**CH1872**



Wireless Remote Controller

**12XS71/12XLS71**  
**18XS72/18XLS72**  
**12XHS71/18XHS72**



**Outdoor Unit**  
**C2672R**  
**C3672R**  
**CH2672R**  
**CH3672R**



**Indoor Unit**  
**XHW2672R**  
**XHW3672R**  
**XHW4272R**

**Grille Assembly**  
**PNR-XH2442**  
**PNR-XH3642**



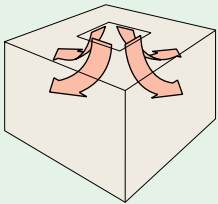
**Outdoor Unit**  
**C4272R**  
**CH4272R**



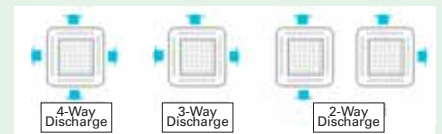
Wired Remote Controller (RCS-TM808G) (Included)

**26XW72R/26XHW72R**  
**36XW72R/36XHW72R**  
**42XW72R/42XHW72R**

## 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.



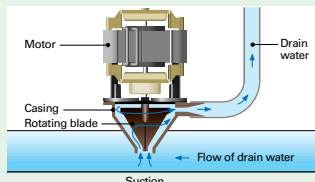
## Whisper-Quiet Operation

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 condensate up 20 inches from the drain pump discharge.



## 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 XHW2672R  
 CMB-GSJ140U for XHW3672R,  
 XHW4272R



Ceiling - Recessed Air Conditioners											Ceiling-Recessed H/P					
Model No.	12XS71		12XLS71		18XS72		18XLS72		12XHS71		18XHS72					
	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit				
Unit Model No.	XS1271	C1271	XS1271	CL1271	XS1872	CL1872	XS1872	CL1872	XHS1271	CH1271	XHS1872	CH1872				
Grille Assembly	PNR-XS1872		PNR-XS1872		PNR-XS1872		PNR-XS1872		PNR-XS1872		PNR-XS1872					
<b>Performance &amp; Electrical Ratings</b>																
Capacity	Cooling	Btu/h	11,900 (3,000 ~ 11,900)		11,900 (3,000 ~ 11,900)		17,500 (4,000 ~ 17,500)		17,500 (4,000 ~ 17,500)		11,900 (3,000 ~ 11,900)		17,500 (4,000 ~ 17,500)			
	Heating	Btu/h	---		---		---		---		13,600 (3,000 ~ 13,600)		20,400 (4,400 ~ 20,400)			
Moisture Removal	High	Pints/H	4.26		4.26		4.89		4.89		4.26		4.89			
Dry Air Flow	Hi / Med / Low	CFM	235 / 206 / 194		235 / 206 / 194		341 / 294 / 253		341 / 294 / 253		235 / 206 / 194		341 / 294 / 253			
SEER	Cooling	Btu/Wh	16		16		16		16		16		16			
HSPF	Heating	Btu/Wh	8.5		8.5		8.5		8.5		8.5		8.5			
EER	Cooling	Btu/Wh	9.44		9.44		9.41		9.41		9.44		9.41			
COP	Heating	W/W	---		---		---		---		2.74		2.56			
Power Supply	V, Phase, Hz		115V, Single phase, 60Hz		115V, Single phase, 60Hz		230V, Single phase, 60Hz		230V, Single phase, 60Hz		115V, Single phase, 60Hz		230V, Single phase, 60Hz			
Running Amps	Cooling	A	12.6 (2.5-12.6)		12.6 (2.5-12.6)		8.3 (1.2-8.3)		8.3 (1.2-8.3)		12.6 (2.5-12.6)		8.3 (1.2-8.3)			
	Heating	A	---		---		---		---		14.6 (2.5-14.6)		10.5 (1.3-10.5)			
Power Input	Cooling	W	1,260 (250-1,260)		1,260 (250-1,260)		1,860 (250-1,860)		1,860 (250-1,860)		1,260 (250-1,260)		1,860 (250-1,860)			
	Heating	W	---		---		---		---		1,460 (250-1,460)		2,340 (270-2,340)			
Back-up Heater		kW	n/a		n/a		n/a		n/a		n/a		n/a			
Fuse or Circuit Breaker Capacity		A	20		20		20		20		20		20			
<b>Features</b>																
Controls	Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor			
Low Ambient Control (for Cooling)	n/a		n/a		n/a		n/a		n/a		n/a		n/a			
Wireless Remote Controller	Included		Included		Included		Included		Included		Included		Included			
Wired Remote Controller	STK-RCS-TTWSU (optional)		STK-RCS-TTWSU (optional)		STK-RCS-TTWSU (optional)		STK-RCS-TTWSU (optional)		STK-RCS-TTWSU (optional)		STK-RCS-TTWSU (optional)		STK-RCS-TTWSU (optional)			
Fan Speeds	Hi/Me/Lo & Auto		Hi/Me/Lo & Auto		Hi/Me/Lo & Auto		Hi/Me/Lo & Auto		Hi/Me/Lo & Auto		Hi/Me/Lo & Auto		Hi/Me/Lo & Auto			
Timer	1 hr OFF and 24-hr PROGRAM		1 hr OFF and 24-hr PROGRAM		1 hr OFF and 24-hr PROGRAM		1 hr OFF and 24-hr PROGRAM		1 hr OFF and 24-hr PROGRAM		1 hr OFF and 24-hr PROGRAM		1 hr OFF and 24-hr PROGRAM			
	n/a		n/a		n/a		n/a		n/a		n/a		n/a			
Air Deflection	Horizontal		Automatic		Automatic		Automatic		Automatic		Microprocessor		Automatic			
	Vertical		Washable Anti-Mold		Washable Anti-Mold		Washable Anti-Mold		Washable Anti-Mold		Washable Anti-Mold		Washable Anti-Mold			
Air Filter	Washable Anti-Mold		Washable Anti-Mold		Washable Anti-Mold		Washable Anti-Mold		Washable Anti-Mold		Washable Anti-Mold		Washable Anti-Mold			
Refrigerant	R-410A		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		Electric Expansion Valve			
Operation Sound	In(Hi / Me / Lo)	dB-A	34 / 32 / 31		34 / 32 / 31		44 / 40 / 36		44 / 40 / 36		34 / 32 / 31		44 / 40 / 36			
	Outdoor(Hi)	dB-A	47		47		47		47		51		51			
Refrigerant Piping (Cooling)	Type		Flare 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		1/4" Discharge		1/4" Discharge			
	Suction	inches	3/8" Suction		3/8" Suction		1/2" Suction		1/2" Suction		3/8" Suction		1/2" Suction			
Refrigerant Pipe Length		Ft.	65 Ft		65 Ft		98 Ft		98 Ft		65 Ft		98 Ft			
Elevation Difference**	Outdoor Above	Ft.	23 Ft		23 Ft		50 Ft		50 Ft		23 Ft		50 Ft			
	Outdoor Below	Ft.	23 Ft		23 Ft		50 Ft		50 Ft		23 Ft		50 Ft			
<b>Dimensions &amp; Weight</b>																
Height	inches		12-5/16"	10-7/16"	12-5/16"	10-7/16"	12-5/16"	11-7/32"	12-5/16"	11-7/32"	12-5/16"	10-7/16"	12-5/16"	11-7/32"		
Width	inches		24-19/32"	21-9/16"	24-19/32"	21-9/16"	24-19/32"	26-3/8"	24-19/32"	26-3/8"	24-19/32"	21-9/16"	24-19/32"	26-3/8"		
Depth	inches		24-19/32"	28-11/32"	24-19/32"	28-11/32"	24-19/32"	34-21/32"	24-19/32"	34-21/32"	24-19/32"	28-11/32"	24-19/32"	34-21/32"		
Net Weight	Lbs.		41.3	75	41.3	75	41.3	90.4	41.3	90.4	41.3	75	41.3	97		

Ceiling - Recessed Air Conditioners											Ceiling-Recessed H/P					
Model No.	26XW72R		36XW72R		42XW72R		26XHW72R		36XHW72R		42XHW72R					
	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit				
Unit Model No.	XHW2672R	C2672R	XHW3672R	C3672R	XHW4272R	C4272R	XHW2672R	CH2672R	XHW3672R	CH3672R	XHW4272R	CH4272R				
Grille Assembly	PNR-XH2442		PNR-XH3642		PNR-XH3642		PNR-XH2442		PNR-XH3642		PNR-XH3642					
<b>Performance &amp; Electrical Ratings</b>																
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	8.1		10.6		12.6		8.1		10.6		12.6			
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		14.1		14.6		14.6		14.1		14.6		14.6			
HSPF	Heating		---		---		---		10.5		9.1		10.4			
COP	Heating		---		---		---		---		---		---			
Power Supply	V, Phase, Hz		230 / 208		230 / 208		230 / 208		230 / 208		230 / 208		230 / 208			
Running Amps	Cooling	A	15.6 / 17.3		18.7 / 20.7		23.0 / 25.4		15.6 / 17.3		18.7 / 20.7		23.0 / 25.4			
	Heating	A	---		---		---		14.8 / 16.4		15.9 / 17.6		22.4 / 24.8			
Power Input	Cooling	W	2,920 / 2,920		3,950 / 3,950		4,520 / 4,520		2,920 / 2,920		3,950 / 3,950		4,520 / 4,520			
	Heating	W	---		---		---		2,790 / 2,790		3,350 / 3,350		4,360 / 4,360			
Back-up Heater		kW	---		---		---		---		---		---			
Fuse or Circuit Breaker Capacity		A	15	30	15	35	15	40	15	30	15	35	15	40		
<b>Features</b>																
Controls	Microprocessor		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		Built-in 0°F			
Wireless Remote Controller (optional)	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		RCS-SH80UA-WL, RCS-BH80UA-WL			
Wired Remote Controller (included)	RCS-TM80BG		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		3 and Automatic Control / Variable			
Timer	7 Days/6 Events		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events			
	---		---		---		---		---		---		---			
Air Deflection	Horizontal		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic			
	Vertical		Washable		Washable		Washable		Washable		Washable		Washable			
Air Filter	Washable		Washable		Washable		Washable		Washable		Washable		Washable			
Refrigerant	R-410A		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		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	49		52		53		49		52		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		Ft.	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			
<b>Dimensions &amp; Weight</b>																
Height	inches		13-5/16"	30-23/32"	14-31/64"	30-23/32"	14-31/64"	48-7/16"	13-5/16"	30-23/32"	14-31/64"	30-23/32"	14-31/64"	48-7/16"		
Width	inches		33-55/64"	37"	45-9/32"	37"	45-9/32"	37"	33-55/64"	37"	45-9/32"	37"	45-9/32"	37"		
Depth	inches		33-55/64"	13-3/8"	33-55/64"	13-3/8"	33-55/64"	13-3/8"	33-55/64"	13-3/8"	33-55/64"	13-3/8"	33-55/64"	13-3/8"		
Net Weight	Lbs.		49.0	128.0	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 Pumps



## 26UW72R / 26UHW72R

**Indoor Unit**  
**UHW2672R**

Supplies are 8" dia



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



## 36UW72R / 36UHW72R

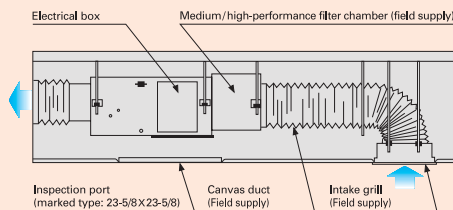
**Indoor Unit**  
**UHW3672R**

Supplies are 8" dia



**Outdoor Unit**  
**C3672R**  
**CH3672R**

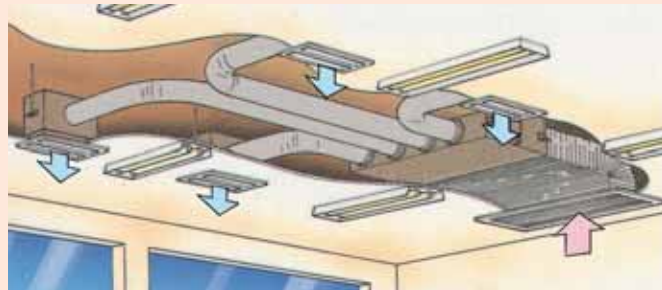
### Outline diagram with medium or high-performance filter field installed.



## Built-In Drain Pump

Drain pump is built into the unit to raise the condensate up 20 inches from the drain pump discharge.

## Installation Example



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.		26UW72R		36UW72R		26UHW72R		36UHW72R	
Unit Model No.		Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
		UHW2672R	C2672R	UHW3672R	C3672R	UHW2672R	CH2672R	UHW3672R	CH3672R
<b>Performance &amp; Electrical Ratings</b>									
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	-		-		28,600 (8,000 ~ 28,600)		36,200 (8,000 ~ 36,200)	
Moisture Removal	High Pints/H	7.7		10.0		7.7		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	14.0		13.9		14.0		14.9	
EER	Cooling								
HSPF	Heating					9.7		9.7	
COP	Heating								
Power Supply	V, Phase, Hz	230 / 208		230 / 208		230 / 208		230 / 208	
Running Amps	Cooling A	13.6 / 15.0		18.6 / 20.6		13.6 / 15.0		18.6 / 20.6	
	Heating A					12.5 / 13.8		15.9 / 17.6	
Power Input	Cooling W	2,600 / 2,600		3,920 / 3,920		2,600 / 2,600		3,920 / 3,920	
	Heating W	---		---		2,400 / 2,400		3,340 / 3,340	
External Static Pressure	in. WC	0.20		0.24		0.20		0.24	
Fuse or Circuit Breaker Capacity	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		RCS-BH80UA-WL		RCS-BH80UA-WL		RCS-BH80UA-WL	
Wired Remote Controller (included)		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		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events	
Air Deflection	Horizontal	---		---		---		---	
	Vertical	---		---		---		---	
Air Filter		---		---		---		---	
Refrigerant		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	49		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>									
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	128.0	104.0	143.0	71.0	128.0	104.0	143.0
<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.)

# Optional Accessories

H.V.A.C. Accessories		
MODEL NO.	DESCRIPTION	USE WITH
DL04060815	Insulated Tubing Kit 1/4" x 3/8" x 1/2" x 15'	09KS71, 09KLS71, 09KHS71, 12KS71, 12KLS71, 12KHS71 KMHS0772, KMHS0972, KMHS1272, KMS0772, KMS0972, KMS1272
DL04060820	Insulated Tubing Kit 1/4" x 3/8" x 1/2" x 20'	12KS71, 12KLS71, 12KHS71 CM1972 (2), CM2472 (2), CM3172 (2)
DL04060835	Insulated Tubing Kit 1/4" x 3/8" x 1/2" x 35'	CMH1972 (2), CMH2472 (2), CMH3172 (2) CLM1972 (2), CLM2472 (2), CLM3172 (2)
DL04080815	Insulated Tubing Kit 1/4" x 1/2" x 1/2" x 15'	18KS72, 18KLS72, 18KHS72, 18SX72, 18KLS72, 18KHS72 KMHS1872, KMS1872,
DL04080820	Insulated Tubing Kit 1/4" x 1/2" x 1/2" x 20'	CM1972 (1), CMH1972 (1), CLM1972 (1) CM2472 (1), CMH2472 (1), CLM2472 (1)
DL04080835	Insulated Tubing Kit 1/4" x 1/2" x 1/2" x 35'	CM3172 (1), CMH3172 (1), CLM3172 (1)
DL04100820	Insulated Tubing Kit 1/4" x 5/8" x 1/2" x 20'	24KS72, 24KLS72, 24KHS72 KMHS2472, KMS2472
DL04100830	Insulated Tubing Kit 1/4" and 5/8" x 1/2" x 30'	CM2472 (1), CMH2472 (1), CLM2472 (1)
DL04100850	Insulated Tubing Kit 1/4" and 5/8" x 1/2" x 50'	CM3172 (1), CMH3172 (1), CLM3172 (1)
DL06100830	Insulated Tubing Kit 3/8" x 5/8" x 1/2" x 30'	26KS/KHS/KHHS72R, 30KS/KHS72R, 26XW/XHW72R 36XW/XHW72R, 42XW/XHW72R, 26TW/THW/THHW72R, 36TW/THW/THHW72, 42TW/THW72R, 26UW/UHW72R, 36UW/UHW72R
DL06100850	Insulated Tubing Kit 3/8" x 5/8" x 1/2" x 50'	
CMB-GSJ80U	Fresh Air Intake Plenum	XH/XHW2672R
CMB-GSJ140U	Fresh Air Intake Plenum	XH/XHW3672R, XH/XHW4272R
Display Stand	Display Stand	09KS71, 09KLS71, 09KHS71, 12KS71, 12KLS71, 12KHS71
KA-KS0971	Indoor Display Shell	KS0971 Display Shell
KA-C0971	Outdoor Display Shell	C0971 Display Shell
RCS5PS4B	Locking Bracket for Remote Controller	RCS-SH1UA, RCS-SH80UA-WL, RCS-BH80UA-WL
RCS4MHVB	Locking Bracket for Remote Controller	KS0971, KS1271, KS1872, KS2472, KHS0971, KHS1271, KHS1872, KHS2472 KMHS0772, KMHS0972, KMHS1272, KMHS1872, KMHS2472
STK-KSB2050	Mounting Bracket for Outdoor Unit	C0971, CL0971, CH0971, C1271, CL1271, CH1271
STK-KSB5050	Mounting Bracket for Outdoor Unit	C1872, CL1872, C2472, CL2472, CH2472, CM1972, CM2472, CM3172, CLM1972 CLM2472, CLM3172, CMH1972, CMH2472, CMH3172
SI3100-1	Condensate Pump	All 115 volt Models
SI3100-2	Condensate Pump	All 230 volt Models (up to 2ton)
SI1730-2	Condensate Pump	All 230 volt Models (High Vol. Condensate Removal) (2ton and higher)
RCS-KR1AGB	Simple Wired Remote	All 26,000 Through 42,000 BTU/h Models
STK-RCS-7TWSU	Wired Remote	XS1271, XHS1271, XS1872, KS0971, KS1271, KS1872, KS2472, KSH0971, KHS1271, KHS1872, KHS2472 All KMHS/KMHS Series - Requires STW-KCW1 Wire Kit
STK-KCW1	Wired Kit	PCB Wire Kit for STK-RCS-7TWSU - Required for use with KS0971, KS1271, KS1872, KS2472, KHS0971, KHS1271, KHS1872, KHS2472, All KMS/KMHS Series
RCS-TM80BG	Wired Timer/Remote Controller	All 26,000 Through 42,000 BTU/h Models
RCS-SH1UA	Wireless Remote Controller	KH2672R, KH3072R, KH3672R
RCS-SH80UA-WL	Wireless Remote Controller	TH/THH/THW/THHW2672R, TH/THH/THW/THHW3672R, TH/THW4272R, XH/XHW2672R, XH/XHW3672R, XH/XHW4272R
RCS-BH80UA-WL	Wireless Remote Controller	UH/UHW2672R, UH/UHW3672R
SHA-KC64UG	System Controller	All 26,000 Through 42,000 BTU/h Models
STK-FDXB	Apatite Filter	KS0971, KS1271, KS1872, KS2472, KHS0971, KHS1271, KHS1872, KHS2472 KMS0772, KMS0972, KMS1272, KMS1872, KMS2472 KMHS0772, KMHS0972, KMHS1272, KMHS1872, KMHS2472
WINDB-1	Wind Baffle	All C, CL and CH Models



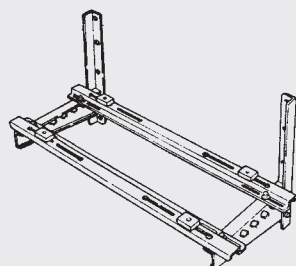
**Condensate Drain Pump**  
SI3100-1  
SI3100-2  
SI1730-2

**Fresh Air Intake Plenum**  
CMB-GSJ80U  
CMB-GSJ140U



**Apatite Filter**  
STK-FDXB

**Locking Bracket for Remote Control**  
RCS5PS4B  
RCS4MHVB



**Outdoor Unit Mounting Bracket**  
STK-KSB2050  
STK-KSB5050



**System Controller**  
SHA-KC64UG



**Timer Remote Controller**  
RCS-TM80BG



**Wireless Remote**  
RCS-BH80UA-WL



**Wireless Remote**  
RCS-SH80UA-WL



# TUBING SIZES, LENGTHS & ELEVATION DIFFERENCES, 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			50'										
09KLS71													
09KHS71													
12KS71		3/8"	65'	23'	23'	25'	R410A 0.16						
12KLS71	1/4"												
12KHS71													
12XS71													
12XLS71													
12XHS71													
18KS72		1/2"	100'	50'	50'	33'	R410A 0.27						
18KLS72	3/8"												
18KHS72													
18XS72													
18XLS72													
18XHS72													
24KS72		5/8"	131'										
24KLS72	3/8"												
24KHS72													
26KS72R			98'										
26TW72R													
26XW72R													
26UW72R													
26KHS72R													
26THW72R													
26XHW72R													
26UHW72R													
26KHS72R													
26THW72R													
30KS72R		5.8"	165'	100'	50'	100'	R410A 0.43	Both Tubes					
30KHS72R	1/4"												
36KS72R													
36TW72R													
36XW72R													
36UW72R													
36KHS72R													
36THW72R													
36XHW72R													
36UHW72R													
36THW72R													
42TW72R													
42XW72R													
42THW72R													
42XHW72R													
CM1972		3/8"	82'	50'	50'	150'	R410 0.22						
CLM1972	1/4"												
CMH1972													
CM2472													
CLM2472		3/8"x3, 1/2"x1											
CMH2472													
CM3172													
CLM3172		3/8"x2, 1/2"x2	100'										
CMH3172													

\*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 24000 Btu and Less

	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	50°F DB

### Heat Pump Unit 24000 Btu and Less

	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
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 24000 Btu and Less

	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

### Cooling & Low Ambient Model above 26000Btu

	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

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### Heat Pump Unit above 26000Btu

	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
Heating	Maximum	80°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	-°F DB / -°F WB	5°F WB

### Flex Multi 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

### Flex Multi 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

### Flex Multi 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	*23°F DB / 32°F DB

\*23°F DB: When combined with KMS0772, KMS0972, KMS1272  
\*32°F DB: When combined with KMS1872, KMS2472



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