

ComfortStar®

2019 PRODUCT CATALOG

Ductless Mini-Splits,
Light Commercial
and Multi-Zone Systems



ALEGRIA
GOLD SERIES

ALEGRIA
PLATINUM SERIES

ALEGRIA
HI-HEAT SERIES



ComfortStar Inverter Technology

Recognized world-wide as a leader in providing reliable, energy efficient, innovative and cost-effective products.

With over 50 years of combined experience, our research and development team continues to develop products that adhere to the highest quality standards, while elevating the level of efficiency to protect our precious environment.

Our manufacturing facilities maintain the highest quality and reliability standards with ISO9001 and ISO14001. All our products are AHRI and ETL certified. Across the world, we are committed to bringing daily comfort into every facet of your lives. Whether it is your home, your child's school, or your local grocery store, ComfortStar is there to ensure a pleasant environment, regardless of the climate.

We provide **Comfort** at a great value.

Advances in INVERTER technology have made mini-split heat pump systems among the highest efficiency heating and air conditioning systems on the market today.

This technology allows us to modulate the frequency of a compressor according to the thermal load of the conditioned space; therefore, a compressor can reduce the amount of work it does to reach a desired set temperature. This results in longer compressor life-span and most importantly, decrease in energy usage and increased energy savings.

Mini-splits are ideal when making additions to a home, since expanding existing duct work can be problematic in some situations. Ease of installation makes it very practical for light commercial applications, such as hotel rooms, office spaces, malls and hospitals.

ComfortStar®

ALEGRIA

| Gold | Platinum | Hi-Heat series
High Efficiency Heat Pumps and Light Commercial Systems

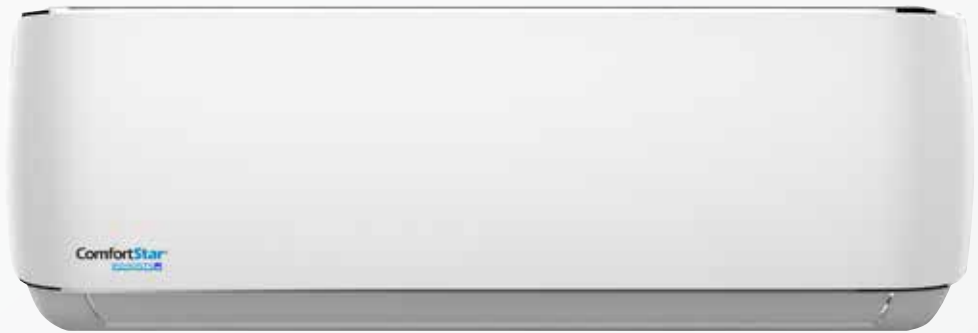
ALEGRIA GOLD SERIES



ALEGRIA GOLD
7 Year Warranty
Compressor



ALEGRIA GOLD
5 Year Warranty
Parts



ALEGRIA PLATINUM SERIES



ALEGRIA
PLATINUM
7 Year Warranty
Compressor



ALEGRIA
PLATINUM
7 Year Warranty
Parts

ALEGRIA HI-HEAT SERIES



ALEGRIA HI-HEAT
10 Year Warranty
Compressor



ALEGRIA HI-HEAT
10 Year Warranty
Parts





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ComfortStar® ductless split systems have one of the highest heating and air conditioning efficiencies on the market.

■ ALEGRIA GOLD Systems -

Single Zone Systems - Perfect for achieving true-zoning in applications where thermal loads may vary within the same building/residence. Indoor high-wall evaporator units are available from 9,000 BTU to 36,000 BTU.

■ ALEGRIA PLATINUM Systems -

Low Ambient: Systems are capable of producing comfort heating to ambient outdoor temperatures as low as -13°F.

SINGLE ZONE Systems - Perfect for achieving true-zoning in applications where thermal loads may vary within the same building/residence. Indoor high-wall evaporator units are available from 9,000 BTU to 24,000 Btu.

LIGHT COMMERCIAL Systems - Hi-wall units, cassette type, floor ceiling and fan coils, are also available from 9,000 BTU to 60,000 BTU.

MULTI-ZONE Systems - A single outdoor condensing unit can power up to 5 different indoor evaporators. There are more than 95+ possible combinations ranging from 9,000 BTU to 24,000 BTU in high-wall mounts and light commercial units which offers contractors flexibility in system designing.

■ ALEGRIA Hi-HEAT Systems -

Low Ambient: Systems are capable of producing comfort heating to ambient outdoor temperatures as low as -22°F. These units are also extremely efficient compared to traditional oil, propane, or gas furnaces.

In the coldest regions of the country when the exterior temperature plunges into the sub-zero territory, a standard heating system is not enough to keep your family comfortable. Our Hi-Heat systems are designed to provide year-round comfort even in the grip of winter.

LIGHT COMMERCIAL Systems - Hi-wall units, cassette type, floor ceiling and fan coils, are also available from 9,000 BTU to 24,000 BTU.

MULTI-ZONE Systems - A single outdoor condensing unit can power up to 4 different indoor evaporators. There are more than 54+ possible combinations ranging from 9,000 BTU to 24,000 BTU in high-wall mounts and light commercial units which offers contractors flexibility in system designing.



Mini-Split systems are

avored in residential applications where duct work for a central a/c system is not available, making it a promising alternative to central systems for almost any HVAC application.

DUCTLESS SPLIT Systems are similar to central cooling systems, ductless split systems are categorized as air conditioning (cooling only) and heat pump systems which provide heating and cooling.

SINGLE ZONE System includes a condensing unit (outdoor) and an evaporator unit (indoor). Inverter mini-splits use electricity to pump refrigerant through copper piping and transfer heat from one space to another through a condenser using a compressor.

HEAT PUMP Systems make it possible for a condensing unit to switch from producing cooling or heating through the use of a reversing valve, or 4-way valve. This valve reverses the flow of refrigerant through the compressor to provide comfort cooling or heating depending on the preference of the end user.

Important Characteristics:

- No Duct Work Required: Helps to save space, eliminates heat loss and easier installation.
- Zone Control: Maximize energy efficiency by individually cooling or heating only those spaces desired.
- Flexibility - suitable for residential and light commercial application.
- Very quiet – low decibel levels for indoor/outdoor units.
- Inverter technology, no compressor or motor hard starts: Increases efficiency, and extends the life of mechanical components. Thermal loads are reached quickly and sustained using minimal energy consumption.

INVERTER

Control, by using your Wi-Fi

for customized Platinum and Hi-Heat series models.

- Control your evaporator using mobile device with iOS 7.0 or higher and Android platforms.
- Link is established between Smart Kit on the unit and your router to allow for communication.
- Evaporator comes compatible with 2.4 G Hz Wi-Fi module.

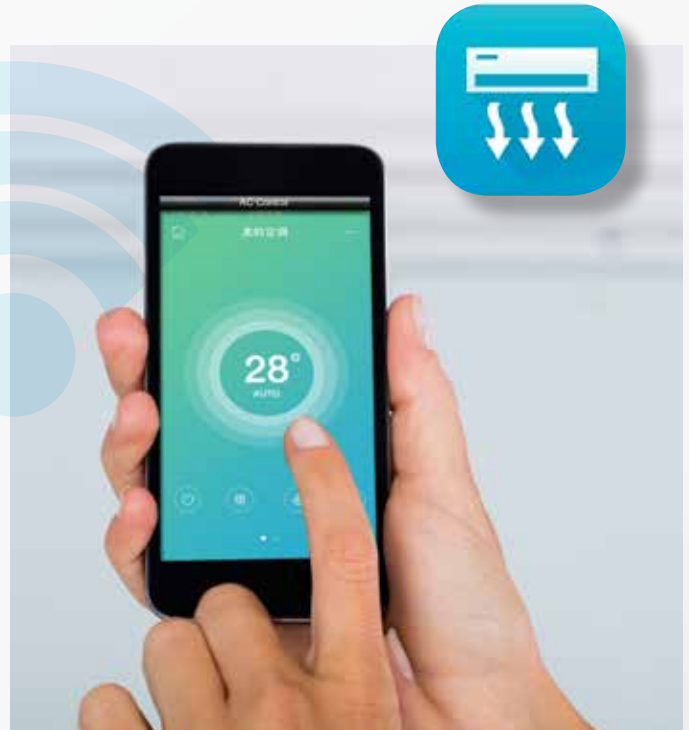


WIFI Control

How it works?

Download the [NetHome Plus] app for your Android platforms or iOS 7.0 or higher.

- Change modes, adjust temperature.
- Turn your unit on before getting home.
- Program cooling/heating schedule.
- Turn unit off remotely if you forget to power down after leaving.
- Adjust mini-split settings.



Wired Controller

6 standard control options.

Wi-Fi Control – SmartKit installed in unit

Wireless Remote – Comes standard with all units.

Manual Switch – Turn unit ON/OFF using the manual switch.

Wired Control – Wired control is optional and works similar to a thermostat.

Optional:

Central Control – One central control can control up to 64 units.

Front Desk – overrides individual controls and all settings are manipulated using central control.





ALEGRIA GOLD SERIES



Celsius And Fahrenheit Degree Switch



Quiet Mode



Auto-Restart



Intelligent Defrost



Low Temperature Heating and Cooling



24H Timer



Follow Me



Wired Controller

Features:

- Auto Swing
- Auto Defrosting
- 12-Speed Indoor Fan Speeds
- Emergency Mode
- Anti-Cold Air Function
- Bypass Mode
- Mute Operation
- Refrigerant Leak Detection Error Code
- Manual Switch
- Interactive display
- Self-Diagnosis
- 3-Directional Airflow
- 2-Way Draining
- Wired Control Option



ALEGRIA GOLD
7 Year Warranty Compressor



ALEGRIA GOLD
5 Year Warranty Parts

INVERTER



ALEGRIA GOLD

19 SEER

Single Zone Heat Pump

High Efficiency
19 SEER

Low Ambient
0°F

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Expanded features:

- **Low Ambient Kit:** Systems are capable of producing comfort heating to ambient outdoor temperatures as low as 0°F.
- **Manual Switch Button** – Power unit ON/OFF using button located at the evaporator.
- **Interactive Display shows:**
 - Error codes based on system failure.
 - Service codes if your filter needs changing.
 - Error code if leak in the system is detected.
 - When unit goes into auto defrost.
- **Self-Diagnosis** – Unit will shut down and go into protection mode if it detects abnormalities. The display will show an error code depending on the type of protection the unit is in.
- **Bypass Mode** – Unit will continue to operate if a non-critical component fails, such as a sensor.
- **2-Way Draining Option** – Place drain hose on left or right hand side of evaporator makes for flexible installation design.
- **3 Directional Airflow** – Air flow is directed so that it reaches more surface area including the corners of the room being conditioned.
- **Refrigerant Leak Detection Error Code**
 - Error code is displayed at the indoor unit if there is a leak detected in the system.
- **Mute Operation** – Silence function keys from Remote Control.
- **Follow Me Function** – Remote Control has a sensor built in. In this mode, the unit will take the temperature at the Remote Control instead of at the evaporator for the set temperature.
- **Controls** – Wired Controls (optional)



CPG & CIM series

19 SEER | Low Ambient 0°F



ALEGRIA GOLD
7 Year Warranty
Compressor



ALEGRIA GOLD
5 Year Warranty
Parts



ALEGRIA GOLD
CIM SERIES
5 Year Warranty
Compressor



ALEGRIA GOLD
CIM SERIES
5 Year Warranty
Parts

INVERTER



ALEGRIA GOLD SERIES

Equipment Nomenclature Characteristics:

Do Not Mismatch:

- CPG with any other models
- CA (115V) with CD (208-230V)
- CIM with any other models - Cooling Only
- CA (115V) with CD (208-230V)

| INDOOR MODEL NO. | CPG009CA(I)-B | CPG012CA(I)-B | CPG009CD(I)-B | CPG012CD(I)-B | CPG018CD(I)-B | CPG024CD(I)-B | CPG030CD(I) | CPG036CD(I) |
|------------------------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| OUTDOOR MODEL NO. | CPG009CA(O)-B | CPG012CA(O)-B | CPG009CD(O)-B | CPG012CD(O)-B | CPG018CD(O)-B | CPG024CD(O)-B | CPG030CD(O) | CPG036CD(O) |
| CAPACITY | | | | | | | | |
| Cooling Capacity Btu/h | 9000 | 12000 | 9000 | 12000 | 18000 | 24000 | 30000 | 36000 |
| Heating Capacity Btu/h | 9500 | 12000 | 9800 | 12000 | 18000 | 24000 | 30000 | 36000 |
| ELECTRICAL DATA | | | | | | | | |
| Power Supply | 115V-1-60Hz | 115V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |

| INDOOR MODEL NO. | CIM12CA(I) | CIM09CD(I) | CIM12CD(I) | CIM18CD(I) | CIM24CD(I) |
|--------------------------|------------|-----------------|-----------------|-----------------|-----------------|
| OUTDOOR MODEL NO. | CIM12CA(O) | CIM09CD(O) | CIM12CD(O) | CIM18CD(O) | CIM24CD(O) |
| CAPACITY | | | | | |
| Cooling Capacity / Btu/h | 12000 | 9000 | 12000 | 18000 | 23000 |
| ELECTRICAL DATA | | | | | |
| Power Supply | 115-1-60 | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |

Nomenclature:

CPG = Heat Pump Gold Series CA = 115V CD = 208-230V (I) = Indoor
 (O) = Outdoor

CIM = Cooling Only Gold Series CA = 115V CD = 208-230V

[ALEGRIA GOLD]

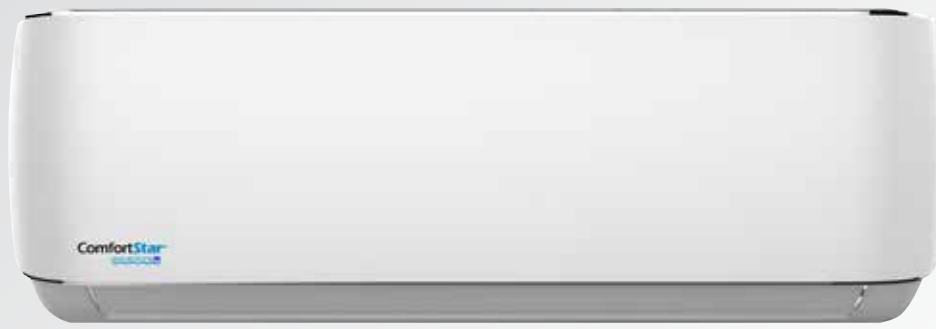
easy install for residential and small commercial applications

GOLD Applications:

- Sun Room
- Garage
- Pool House
- Home Gym
- Small Office Spaces
- Home Theatre Room
- Or any room where central duct work is not available



Outdoor Condenser



ALEGRIA GOLD SERIES

| Indoor Model No. | | | CPG009CA(I)-B | CPG012CA(I)-B | CPG009CD(I)-B |
|-------------------------------------|------------------------------|--------------|------------------------------|-------------------|-------------------|
| Outdoor Model No. | | | CPG009CA(O)-B | CPG012CA(O)-B | CPG009CD(O)-B |
| Power Supply | | | 115V-1-60Hz | 115V-1-60Hz | 208-230V-1-60Hz |
| Cooling | Capacity | Btu/h | 9000 | 12000 | 12000 |
| | Input | W | 782 | 1020 | 1065 |
| | Rated current | A | 6.8 | 8.9 | 4.5 |
| | EER | Btu/w | 11.5 | 10.5 | 11 |
| | SEER | Btu/w | 19 | 19 | 19 |
| Heating | Capacity | Btu/h | 10000 | 12000 | 1200 |
| | Input | W | 925 | 1026 | 1025 |
| | Rated current | A | 8.1 | 8.9 | 4.3 |
| | HSPF4 | Btu/w | 10 | 9.5 | 9.5 |
| Minimum Circuit Ampacity | | A | 15 | 15 | 15 |
| Max. fuse | | A | 20 | 20 | 15 |
| Indoor Air Flow (Hi/Mi/Lo) | | CFM | 420/300/220 | 500/360/240 | 420/310/210 |
| Indoor Noise Level (Hi/Mi/Lo) | | dB(A) | 39/-/24.5 | 40.5/-/24 | 36/-/23 |
| Indoor Unit | Dimension (WxDxH) | inch | 28.43x7.36x11.42 | 31.57x7.44x11.69 | 28.43x7.36x11.42 |
| | Packing (WxDxH) | inch | 31.10x10.63x14.57 | 34.45x11.22x14.76 | 31.10x10.63x14.57 |
| | Net/Gross weight | lbs. | 16.5/20.9 | 18.7/22.5 | 16.5/20.9 |
| Outdoor Air Flow | | CFM | 1060 | 1120 | 1060 |
| Outdoor Noise Level | | dB(A) | 56 | 54 | 57 |
| Outdoor Unit | Dimension(WxDxH) | inch | 30.31x11.81x21.85 | 30.31x11.81x21.85 | 30.31x11.81x21.85 |
| | Packing (WxDxH) | inch | 35.43x13.58x23.03 | 35.43x13.58x23.03 | 35.43x13.58x23.03 |
| | Net/Gross weight | lbs. | 63.9/69.4 | 65.0/70.5 | 63.9/69.4 |
| Design Pressure | | PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG |
| Refrigerant Type | | oz | R410A/28.2 | R410A/33.9 | R410A/28.2 |
| Refrigerant Precharge | | ft | 25 | 25 | 25 |
| Additional Charge For Each Ft | | oz | 0.161 | 0.161 | 0.161 |
| Refrigerant Piping | Liquid side/ Gas side | inch | 1/4"/3/8" | 1/4"/1/2" | 1/4"/3/8" |
| | Max. refrigerant pipe length | ft | 82 | 82 | 82 |
| | Max. difference in level | ft | 33 | 33 | 33 |
| Connection Wiring | | | 16AWG*4 Stranded, unshielded | | |
| Contoller | | | Remote Control | Remote Control | Remote Control |
| Operation Temperature | Indoor (Cooling/Heating) | °F | 62-90/32-86 | 62-90/32-86 | 62-90/32-86 |
| | Outdoor (Cooling/Heating) | °F | 0-122/0-86 | 0-122/0-86 | 0-122/0-86 |
| Application Area (Cooling Standard) | | sq. ft | 129-189 | 172-252 | 129-189 |

CPG series

19 SEER

Heat Pump

Low Ambient 0°F

FEATURES:

- Auto-restart
- Timer (24H)
- Turbo
- Auto Level swing
- Sleep mode (7 hour off)
- Refrigerant Leakage Detect
- By Pass Function (Emergency Using)
- LED display
- Manual On-Off
- Low Ambient cooling
- Louver Position Memory
- Dry Mode
- Cold Catalyst Filter
- High Density Filter
- 2 Ways Draining

| CPG012CD(I)-B | CPG018CD(I)-B | CPG024CD(I)-B | CPG030CD(I) | CPG036CD(I) |
|------------------------------|-------------------|-------------------|-------------------|-------------------|
| CPG012CD(O)-B | CPG018CD(O)-B | CPG024CD(O)-B | CPG030CD(O) | CPG036CD(O) |
| 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| 12000 | 18000 | 24000 | 30000 | 36000 |
| 1090 | 1635 | 2525 | 2857 | 4235 |
| 4.8 | 7.2 | 11.2 | 12.5 | 18.5 |
| 11.5 | 11 | 10.5 | 10.5 | 8.5 |
| 19 | 19 | 17 | 18 | 16 |
| 12000 | 18000 | 24000 | 30000 | 36000 |
| 1035 | 1935 | 2425 | 3110 | 3835 |
| 4.5 | 8.5 | 10.7 | 13.5 | 16.7 |
| 9 | 9.5 | 9.5 | 9.6 | 10 |
| 15 | 15 | 18 | 20 | 25 |
| 15 | 20 | 25 | 30 | 35 |
| 500/350/240 | 660/450/380 | 1000/780/600 | 1350/1050/800 | 1450/1100/800 |
| 40.5/-/25 | 45/-/29 | 45.5/-/33 | 52/44/35 | 52/44/36 |
| 31.57x7.44x11.69 | 37.99x8.46x12.56 | 42.52x8.90x13.19 | 49.57x11.10x14.25 | 49.57x11.10x14.25 |
| 34.45x11.22x14.76 | 41.14x12.01x15.94 | 45.47x16.34x12.40 | 52.76x17.72x14.96 | 52.76x17.72x14.96 |
| 18.7/22.5 | 26.0/34.2 | 29.1/37.0 | 43.2/55.6 | 43.2/55.6 |
| 1120 | 1470 | 1590 | 2530 | 2943 |
| 57 | 57.5 | 59 | 62 | 63 |
| 30.31x11.81x21.85 | 31.50x13.11x21.81 | 33.27x14.29x27.64 | 37.24x16.14x31.89 | 37.24x16.14x31.89 |
| 35.43x13.58x23.03 | 36.22x15.35x24.21 | 38.00x15.55x29.72 | 42.91x19.69x34.45 | 42.91x19.69x34.45 |
| 65.0/70.5 | 80.5/87.1 | 105.16/112.44 | 137.79/147.71 | 143.3/153.22 |
| 550/340 PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG |
| R410A/33.9 | R410A/52.9 | R410A/63.5 | R410A/97.0 | R410A/119.9 |
| 25 | 25 | 25 | 25 | 25 |
| 0.161 | 0.161 | 0.322 | 0.322 | 0.322 |
| 1/4"/1/2" | 1/4"/1/2" | 3/8"/5/8" | 3/8"/5/8" | 3/8"/5/8" |
| 82 | 98 | 98 | 164 | 213 |
| 33 | 66 | 66 | 82 | 98 |
| 16AWG*4 Stranded, unshielded | | | | |
| Remote Control | Remote Control | Remote Control | Remote Control | Remote Control |
| 62-90/32-86 | 62-90/32-86 | 62-90/32-86 | 62-90/32-86 | 62-90/32-86 |
| 0-122/0-86 | 0-122/0-86 | 0-122/0-86 | 0-122/0-86 | 0-122/0-86 |
| 172-252 | 251-368 | 330-484 | 330-484 | 330-484 |



ALEGRIA GOLD SERIES

| Indoor Model No. | | | CIM12CA(I) | CIM09CD(I) |
|-------------------------------------|------------------------------|--------------|------------------------------|-------------------|
| Outdoor Model No. | | | CIM12CA(O) | CIM09CD(O) |
| Power supply | | | 115V-1-60Hz | 208-230V-1-60Hz |
| Cooling | Capacity | Btu/h | 12000 | 9000 |
| | Input | W | 1160 | 821 |
| | Rated current | A | 5.0 | 3.6 |
| | SEER | Btu/w | 16.5 | 19 |
| | EER | Btu/w | 10.3 | 11.0 |
| MINIMUM CIRCUIT Ampacity | | A | 15 | 10 |
| MAX. FUSE | | A | 20 | 15 |
| Indoor air flow(Turbo)/Hi/Mi/Lo) | | CFM | 476/428/291 | 410/350/250 |
| Indoor noise level (Hi/Mi/Lo) | | dB(A) | 38.5/31/24.5 | 40/32/26 |
| Indoor unit | Dimension (WxDxH) | inch | 31.57x7.44x11.69 | 28.43x7.36x11.42 |
| | Packing (WxDxH) | inch | 34.45x11.22x14.76 | 31.10x10.63x14.57 |
| | Net/Gross weight | LBS | 16.3/20.2 | 16.3/21.6 |
| Outdoor air flow | | CFM | 1120 | 1060 |
| Outdoor noise level | | dB(A) | 54 | 54.5 |
| Outdoor unit | Dimension(W*D*H) | inch | 30.31x11.81x21.85 | 30.31x11.81x21.85 |
| | Packing (W*D*H) | inch | 35.43x13.58x23.03 | 35.43x13.58x23.03 |
| | Net/Gross weight | LBS | 63.8/71.5 | 52.8/59.2 |
| Design pressure | | PSIG | 550/340 PSIG | 550/340 PSIG |
| Refrigerant type | | OZ | R410a/20.81oz | R410a/17.64oz |
| Refrigerant precharge | | ft | 25 | 25 |
| Additional charge for each ft | | oz | 0.161 | 0.161 |
| Refrigerant piping | Liquid side/ Gas side | inch | 1/4"/1/2" | 1/4"/3/8" |
| | Max. refrigerant pipe length | ft | 82 | 82 |
| | Max. difference in level | ft | 33 | 33 |
| Connection wiring | | | 16AWG*4 Stranded, unshielded | |
| Contoller | | | Remote Control | Remote Control |
| Operation temperature | Indoor (Cooling/Heating) | °F | 62-90/32-86 | 62-90/32-86 |
| | Outdoor (Cooling/Heating) | °F | 5-122/5-86 | 5-122/5-86 |
| Application area (cooling standard) | | sq.ft | 129-189 | 129-189 |

CIM series

19 SEER

Cooling Only

(includes 10' of Line Set)

Low Ambient 5°F

FEATURES:

- Auto-restart
- Timer (24H)
- Turbo
- Auto Level swing
- Sleep mode (7 hour off)
- Refrigerant Leakage Detect
- By Pass Function (Emergency Using)
- LED display
- Manual On-Off
- Low Ambient cooling
- Louver Position Memory
- Dry Mode
- Cold Catalyst Filter
- High Density Filter
- 2 Ways Draining

| CIM12CD(I) | CIM18CD(I) | CIM24CD(I) |
|------------------------------|-------------------|-------------------|
| CIM12CD(O) | CIM18CD(O) | CIM24CD(O) |
| 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| 12000 | 18000 | 23000 |
| 1095 | 1623 | 2170 |
| 4.8 | 7.4 | 9.4 |
| 19 | 20 | 17 |
| 11.0 | 11.1 | 10.6 |
| 11 | 15 | 16 |
| 15 | 20 | 25 |
| 500/350/240 | 900/750/600 | 1050/800/550 |
| 42/34.5/27 | 42.5/34/31 | 52/42/37 |
| 31.57x7.44x11.69 | 37.99x8.46x12.56 | 42.52x8.90x13.19 |
| 34.45x11.22x14.76 | 41.14x12.01x15.94 | 45.47x16.34x12.40 |
| 18.5/22.2 | 24.2/30.8 | 28.6/36.7 |
| 1120 | 1470 | 1590 |
| 53 | 57 | 59 |
| 30.31x11.81x21.85 | 31.50x13.11x21.81 | 33.27x14.29x27.64 |
| 35.43x13.58x23.03 | 36.22x15.35x24.21 | 38.00x15.55x29.72 |
| 52.8/59.4 | 63.8/72.2 | 136.4/147.4 |
| 550/340 PSIG | 550/340 PSIG | 550/340 PSIG |
| R410a/18.69oz | R410a/31.75oz | R410a/42.33oz |
| 25 | 25 | 25 |
| 0.161 | 0.161 | 0.322 |
| 1/4"/1/2" | 1/4"/1/2" | 3/8"/5/8" |
| 82 | 98 | 98 |
| 33 | 66 | 66 |
| 16AWG*4 Stranded, unshielded | | |
| Remote Control | Remote Control | Remote Control |
| 62-90/32-86 | 62-90/32-86 | 62-90/32-86 |
| 5-122/5-86 | 5-122/5-86 | 5-122/5-86 |
| 129-189 | 129-189 | 129-189 |



ALEGRIA PLATINUM SERIES



WiFi Control



Celsius And Fahrenheit Degree Switch



Quiet Mode



Auto-Restart



Intelligent Defrost



Low Temperature Heating and Cooling



24H Timer



Follow Me



Wired Controller

Features:

- Wi-Fi Compatible
- Auto Swing
- Auto Defrosting
- 12-Speed Indoor Fan Speeds
- Emergency Mode
- Anti-Cold Air Function
- Bypass Mode
- Mute Operation
- Refrigerant Leak Detection Error Code
- Manual Switch
- Interactive display
- Self-Diagnosis
- 3-Directional Airflow
- 2-Way Draining
- Wired Control Option



ALEGRIA PLATINUM
7 Year Warranty Compressor



ALEGRIA PLATINUM
7 Year Warranty Parts

INVERTER



ALEGRIA PLATINUM

24.5 SEER

Single Zone Heat Pump

High Efficiency
24.5 SEER
Low Ambient
-13°F

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| ALEGRIA PLATINUM Light Commercial specifications | 22-31 |
| ALEGRIA Platinum Flex-Mount Multi-Zone specifications | 32-41 |
| Specs at a glance. | 64-67 |

Expanded features:

- **Low Ambient Kit:** Systems are capable of producing comfort heating to ambient outdoor temperatures as low as -13°F.
- **Manual Switch Button** – Power unit ON/OFF using button located at the evaporator.
- **Centralized Control** – control up to 64 units using one wired central control. Front Desk Control (hotel application) overrides remote control at the evaporator (optional).
- **Interactive Display shows:**
 - Error codes based on system failure.
 - Service codes if your filter needs changing.
 - Error code if leak in the system is detected.
 - When unit goes into auto defrost.
- **Self-Diagnosis** – Unit will shut down and go into protection mode if it detects abnormalities. The display will show an error code depending on the type of protection the unit is in.
- **Bypass Mode** – Unit will continue to operate if a non-critical component fails, such as a sensor.
- **2-Way Draining Option** – Place drain hose on left or right hand side of evaporator makes for flexible installation design.
- **3 Directional Airflow** – Air flow is directed so that it reaches more surface area including the corners of the room being conditioned.
- **Refrigerant Leak Detection Error Code**
 - Error code is displayed at the indoor unit if there is a leak detected in the system.
- **Mute Operation** – Silence function keys of the Remote Control.
- **Follow Me Function** – Remote Control has a sensor built in. In this mode, the unit will take the temperature at the Remote Control instead of at the evaporator for the set temperature.



CXH Indoor Units
 CPP Outdoor Units
 24.5 SEER | Low Ambient -13°F



ALEGRIA
 PLATINUM SERIES



ALEGRIA PLATINUM
 7 Year Warranty
 Compressor



ALEGRIA PLATINUM
 7 Year Warranty
 Parts

INVERTER



Equipment Nomenclature Characteristics:

Do Not Mismatch: CPP with any other models | CA (115V) with CD (208-230V)

| Outdoor Model No. CPP | HI-WALL Model No. CXH | CASSETTE Model No. | FLOOR/CEILING Model No. | DUCTED Model No. |
|--------------------------|--------------------------|-----------------------|----------------------------|---------------------|
| CPP009CA(O)-B | CXH009CA (I) | — | — | — |
| CPP012CA(O)-B | CXH012CA (I) | — | — | — |
| CPP009CD(O)-B | CXH009CD (I) | TPA-09 | — | CPA-09B |
| CPP012CD(O)-B | CXH012CD (I) | TPA-12 | — | CPA-12B |
| CPP018CD(O)-B | CXH018CD (I) | TPA-18 | FPA-18 | CPA-18B |
| CPP024CD(O)-B | CXH024CD (I) | TPA-24 | FPA-24 | CPA-24B |
| CPP036CD(O)-DU | — | TPA-36DU | FPA-36DU | CPA-36DUB |
| CPP048CD(O)-DU | — | TPA-48DU | FPA-48DU | CPA-48DUB |
| CPP060CD(O)-DU | — | — | FPA-60DU | CPA-60DUB |

Nomenclature:

CPP= Heat Pump
Platinum Series

CA = 115V

CD = 208-230V

(I) = Indoor
(O) = Outdoor



NetHome Plus App

Download the [NetHome Plus] app for the Android or iOS 7.0 or higher.

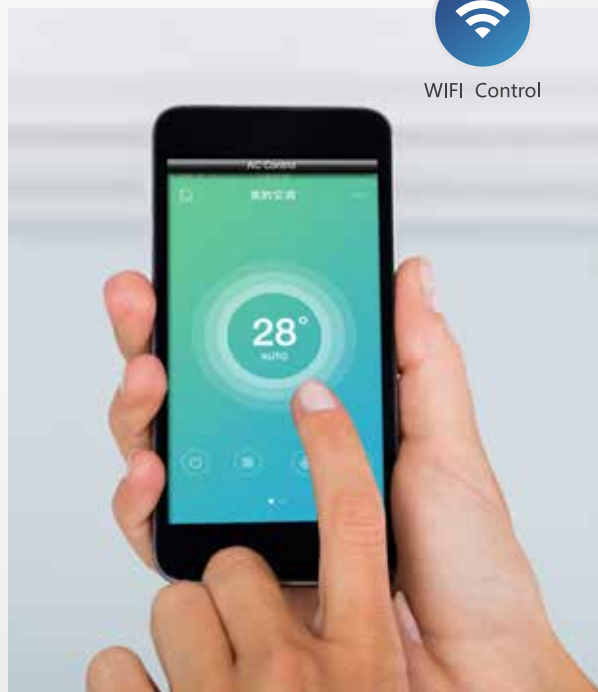
- Change modes, adjust temperature.
- Turn your unit on before getting home.
- Program cooling/heating schedule.
- Turn unit off remotely if you forget to power down after leaving.
- Adjust mini-split settings.

CXH Indoor Model No. with Wi-Fi

| |
|--------------------|
| CXH009CA(I)-Wi-Fi |
| CXH012CA(I)-Wi-Fi |
| CXH009CD(I)-Wi-Fi |
| CXH012CD(I)-Wi-Fi |
| CXH018CD(I)-Wi-Fi |
| CXH024CD (I)-Wi-Fi |



WIFI Control





CXH & CPP series

23.5 SEER | Wi-Fi compatible



WIFI Control



- Ready to install for Wi-Fi application (see chart on page 19)
- Additional Remote Control: Part No. ARC-88
(cannot be used simultaneously only Wi-Fi or Remote Control.)

| Indoor Model No. | | | CXH009CA(I) Wi-Fi | CXH012CA(I) Wi-Fi | CXH009CD(I) Wi-Fi | CXH012CD(I) Wi-Fi | CXH018CD(I) Wi-Fi | CXH024CD(I) Wi-Fi |
|-------------------------------------|---------------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Power supply | | | 115V-1-60Hz | 115V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling | Capacity | Btu/h | 9500 | 12000 | 9000 | 12000 | 18000 | 24000 |
| | EER | Btu/w | 15 | 13 | 14.9 | 13.7 | 13.0 | 13.7 |
| | SEER | Btu/w | 24.5 | 22 | 23.5 | 22.7 | 21 | 20.7 |
| Heating | Capacity | Btu/h | 11000 | 12000 | 9800 | 12000 | 18000 | 25000 |
| | HSPF4 | Btu/w | 11.2 | 10.2 | 10.8 | 11.0 | 10.4 | 11.5 |
| Indoor air flow (Hi/Mi/Lo) | | CFM | 365/265/194 | 365/265/194 | 370/268/196 | 371/274/198 | 530/410/295 | 695/624/485 |
| Indoor noise level (Hi/Mi/Lo) | | dB(A) | 42/33/24 | 42/33/24 | 41.7/33.4/26.5 | 45.1/35.8/28.6 | 46.2/36.3/30.9 | 51.7/44.5/ 35.1 |
| Indoor unit | Dimension (WxDxH) | inch | 32.87x7.80x11.02 | 32.87x7.80x11.02 | 32.87x7.80x11.02 | 32.87x7.80x11.02 | 38.98x8.58x12.40 | 46.69x10.16x13.39 |
| | Packing (WxDxH) | inch | 35.83x10.63x13.98 | 35.83x10.63x13.98 | 35.83x10.63x13.98 | 35.83x10.63x13.98 | 41.93x11.81x15.75 | 49.80x16.53x13.39 |
| | Net/Gross weight | lbs. | 19.8/25.4 | 19.8/25.4 | 19.8/25.4 | 19.8/26.7 | 26.9/34.8 | 39.9/53.6 |
| Controller | | | Remote Control | Remote Control | Remote Control | Remote Control | Remote Control | Remote Control |
| Operation temp. | Indoor (Cooling/ Heating) | °F | 62-90/32-86 | 62-90/32-86 | 62-90/32-86 | 62-90/32-86 | 62-90/32-86 | 62-90/32-86 |
| Application area (cooling standard) | | sq.ft | 129-194 | 129-194 | 129-194 | 172-247 | 258-376 | 344-505 |

| Indoor Model No. | | | CXH009CA(I) | CXH012CA(I) | CXH009CD(I) | CXH012CD(I) | CXH018CD(I) | CXH024CD(I) |
|-------------------------------------|----------------------------|--------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Outdoor Model No. | | | CPP09CA(O)-B | CPP12CA(O)-B | CPP009CD(O) | CPP012CD(O) | CPP018CD(O) | CPP024CD(O) |
| Power supply | | | 115V-1-60Hz | 115V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling | Capacity | Btu/h | 9500 | 12000 | 9000 | 12000 | 18000 | 24000 |
| | Input | W | 630 | 923 | 604 | 875 | 1385 | 1750 |
| | Rated current | A | 5.4 | 8.2 | 2.8 | 4.0 | 6.2 | 7.8 |
| | EER | Btu/w | 15 | 13 | 14.9 | 13.7 | 13.0 | 13.7 |
| | SEER | Btu/w | 24.5 | 22 | 23.5 | 22.7 | 21 | 20.7 |
| Heating | Capacity | Btu/h | 11000 | 12000 | 9800 | 12000 | 18000 | 25000 |
| | Input | W | 880 | 1035 | 755 | 995 | 1550 | 1955 |
| | Rated current | A | 7.8 | 9.2 | 3.5 | 4.5 | 6.9 | 8.7 |
| | COP | W/W | 3.66 | 3.40 | 3.80 | 3.53 | 3.40 | 3.75 |
| | HSPF4 | Btu/w | 11.2 | 10.2 | 10.8 | 11.0 | 10.4 | 11.5 |
| | HSPF5 | Btu/w | 9 | 8.3 | 9.1 | 9.0 | 9.0 | 9.8 |
| MINIMUM CIRCUIT Ampacity | | A | 15 | 15 | 10 | 12 | 15 | 18 |
| MAX. FUSE | | A | 20 | 20 | 15 | 15 | 20 | 25 |
| Indoor air flow (Hi/Mi/Lo) | | CFM | 365/265/194 | 365/265/194 | 370/268/196 | 371/274/198 | 530/410/295 | 695/624/485 |
| Indoor noise level (Hi/Mi/Lo) | | dB(A) | 42/33/24 | 42/33/24 | 41.7/33.4/26.5 | 45.1/35.8/28.6 | 46.2/36.3/30.9 | 51.7/44.5/ 35.1 |
| Indoor unit | Dimension (WxDxH) | inch | 32.87x7.80x11.02 | 32.87x7.80x11.02 | 32.87x7.80x11.02 | 32.87x7.80x11.02 | 38.98x8.58x12.40 | 46.69x10.16x13.39 |
| | Packing (WxDxH) | inch | 35.83x10.63x13.98 | 35.83x10.63x13.98 | 35.83x10.63x13.98 | 35.83x10.63x13.98 | 41.93x11.81x15.75 | 49.80x16.53x13.39 |
| | Net/Gross weight | lbs. | 19.8/25.4 | 19.8/25.4 | 19.8/25.4 | 19.8/26.7 | 26.9/34.8 | 39.9/53.6 |
| Outdoor air flow | | CFM | 1200 | 1200 | 1177 | 1177 | 1471 | 2237 |
| Outdoor noise level | | dB(A) | 52.5 | 52.5 | 55 | 55 | 60.0 | 61.0 |
| Outdoor Unit | Dimension (WxDxH) | inch | 31.50x13.11x21.81 | 31.50x13.11x21.81 | 30.31x11.81x21.85 | 31.50x13.11x21.81 | 33.27x14.29x27.64 | 37.24x16.14/31.89 |
| | Packing (WxDxH) | inch | 36.22x15.35x24.21 | 36.22x15.35x24.21 | 35.43x13.58x23.03 | 36.22x15.35x24.21 | 37.99x15.55x29.72 | 42.91x19.69x34.45 |
| | Net/Gross weight | lbs. | 79.8/86 | 79.8/86 | 61.73/66.8 | 76.72/82.67 | 106.9/112.5 | 136.7/148.6 |
| Refrigerant type | | oz | R410A/44.09 | R410A/44.09 | R410A/38.8 | R410A/40.6 | R410A/68.8 | R410A/82.9 |
| Refrigerant precharge | | ft | 25 | 25 | 25 | 25 | 25 | 25 |
| Additional charge for each ft | | oz | 0.161 | 0.161 | 0.161 | 0.161 | 0.161 | 0.32 |
| Design pressure | | PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG |
| Refrigerant piping | Liquid side/ Gas side | inch | 1/4"/3/8" | 1/4"/1/2" | 1/4"/3/8" | 1/4"/1/2" | 1/4"/1/2" | 3/8"/5/8" |
| | Max. refriger. pipe length | ft | 82 | 82 | 82 | 82 | 98 | 164 |
| | Max. diff. in level | ft | 33 | 33 | 33 | 33 | 66 | 82 |
| Controller | | | Remote Control | Remote Control | Remote Control | Remote Control | Remote Control | Remote Control |
| Operation temp. Cooling & Heating | Indoor | °F | 62-90/32-86 | 62-90/32-86 | 62-90/32-86 | 62-90/32-86 | 62-90/32-86 | 62-90/32-86 |
| | Outdoor | °F | -13-122/-13-86 | -13-122/-13-86 | -13-122/-13-86 | -13-122/-13-86 | -13-122/-13-86 | -13-122/-13-86 |
| Application area (cooling standard) | | sq. ft | 129-189 | 172-252 | 129-194 | 172-247 | 258-376 | 344-505 |



LIGHT COMMERCIAL

21.5 SEER

Single Zone Heat Pump
Low Ambient Temperature -13°F

CPP series Light Commercial Condenser

- R410a System
- Match with wall-mount, floor-ceiling module, fan coils, or cassette type indoor units
- Gold Fin protection
- Horizontal discharge condensing units to save installation space
- Self diagnosis error codes
- ETL certified for safety
- AHRI listed for efficiency



ALEGRIA PLATINUM  SERIES



ALEGRIA PLATINUM
7 Year Warranty
Compressor



ALEGRIA PLATINUM
7 Year Warranty
Parts



CXH series High Wall Mount

- Compact Design
- Auto Restart
- LED display
- Auto Swing
- Wi-Fi Compatible (optional)
- 24-Hour Timer
- Sleep Mode
- Self-Diagnostics



TPA series Cassette Type

- Compact Design
- Concealed Ceiling Unit
- Quiet Operation
- 360° Air Discharge
- Wireless Remote Control (standard)
- Wired Wall Remote (optional)
- Reserved Hole for Fresh Air Intake
- Integrated Condensate Pump (29" head)





FPA series

Floor/Ceiling



- Flexible Design
 - Horizontal or Vertical Installation
- Compact Design
- Quiet Operation
- Louver Swing Function To Disperse Air Flow
- Wireless Remote Control (standard)
- Wired Controller (optional)



CPA series

Fan Coil



- Compact Design
- Quiet Operation
- Wired Controller (standard)
- Reserved Hole for Fresh Air Intake

Standard Remote Controls

Wireless Remote Controller

Comes standard with all units*

Manual Switch

Manually turn unit

COOL/ON/OFF using button.

* Except FPA



Optional Remote Controls*

Wired Controller

Wired control is optional and works similar to a thermostat.

Central Controller

One central controller can control up to 64 units.

Front Desk

Overrides individual controls and all settings are manipulated using central control.

* Standard for FPA





CPP series

Light Commercial Side Discharge Condensers

Product specifications

| Outdoor Model No. | | CPP009CD(O) | CPP012CD(O) | CPP018CD(O) | CPP024CD(O) | |
|-------------------------------|--------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Power supply | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | |
| Max. fuse | A | 15.0 | 15.0 | 20.0 | 25.0 | |
| Minimum circuit Ampacity | A | 10.0 | 12.0 | 15.0 | 18.0 | |
| Outdoor air flow (Max.) | CFM | 1060 | 1120 | 1470 | 2354 | |
| Outdoor noise level | dB(A) | 56.0 | 57.0 | 59.0 | 61.0 | |
| Outdoor unit | inch | 30.31x11.81x21.85 | 31.5x13.11x21.81 | 33.27x14.29x27.64 | 37.24x16.14x31.89 | |
| | Packing (WxDxH) | inch | 35.43x13.58x23.03 | 36.22x15.35x24.21 | 37.99x15.55x29.72 | 42.91x19.69x34.45 |
| | Packing (WxDxH) | kg | 28/30.3 | 34.8/37.5 | 43.2/46.5 | 62/67.4 |
| | Net/ Gross weight | lbs. | 61.73/66.8 | 76.72/82.67 | 95.24/102.51 | 136.69/148.59 |
| Refrigerant type/Quantity | Oz | R410A/38.8 | R410A/40.6 | R410A/68.8 | R410A/82.9 | |
| Refrigerant precharge | ft | 25 | 25 | 25 | 25 | |
| Additional charge for each ft | oz | 0.16 | 0.16 | 0.16 | 0.32 | |
| Design pressure | PSIG | 550/340 | 550/340 | 550/340 | 550/340 | |
| Refrigerant piping | Liquid side/ Gas side | inch | 1/4"/3/8" | 1/4"/1/2" | 1/4"/1/2" | 3/8"/5/8" |
| | Max. pipe length | ft | 82 | 82 | 98 | 164 |
| | Max. difference in level | ft | 33 | 33 | 66 | 82 |
| Ambient temperature | Cooling | °C | -25~50 | -25~50 | -25~50 | -25~50 |
| | Cooling | °F | -13~122 | -13~122 | -13~122 | -13~122 |
| | Heating | °C | -25~30 | -25~30 | -25~30 | -25~30 |
| | Heating | °F | -13~86 | -13~86 | -13~86 | -13~86 |



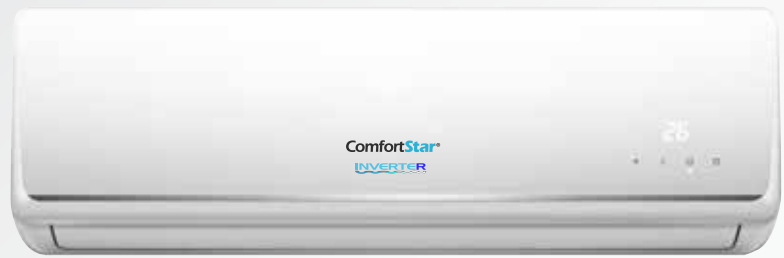
| Outdoor Model No. | | | CPP036CD(O)-DU | CPP048CD(O)-DU | CPP060CD(O)-DU |
|-------------------------------|--------------------------|------|-------------------|-------------------|-------------------|
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Max. fuse | A | | 50 | 50 | 50 |
| Minimum circuit Ampacity | A | | 30 | 35 | 36 |
| Outdoor air flow (Max.) | CFM | | 2530 | 4470 | 4414 |
| Outdoor noise level | dB(A) | | 65.0 | 63.0 | 64.0 |
| Outdoor unit | inch | | 37.24x16.14x31.89 | 37.48x16.34x52.48 | 37.48/16.34/13.11 |
| | Packing (WxDxH) | inch | 42.91x19.69x34.45 | 43.11x19.49x58.27 | 43.11/19.49/58.27 |
| | Packing (WxDxH) | kg | 67.4/73 | 98.6/111.6 | 102.1/115.4 |
| | Net/ Gross weight | lbs. | 148.59/160.94 | 217.4/246.0 | 224.9/0.9 |
| Refrigerant type/Quantity | Oz | | R410A/108 | R410A/148.2 | R410A/163 |
| Refrigerant precharge | ft | | 25 | 25 | 25 |
| Additional charge for each ft | oz | | 0.32 | 0.32 | 0.32 |
| Design pressure | PSIG | | 550/340 | 550/340 | 550/340 |
| Refrigerant piping | Liquid side/ Gas side | inch | 3/8"/5/8" | 3/8"/5/8" | 3/8"/3/4" |
| | Max. pipe length | ft | 213 | 213 | 213 |
| | Max. difference in level | ft | 98 | 98 | 98 |
| Ambient temperature | Cooling | °C | -25-50 | -25-50 | -25-50 |
| | Cooling | °F | -13~122 | -13~122 | -13-122 |
| | Heating | °C | -25-30 | -25-30 | -25-30 |
| | Heating | °F | -13~86 | -13~86 | -13-86 |

CXH series



Light Commercial High Wall Mount

Product specifications



Light Commercial - Single Zone Combinations

| Indoor Model No. | | | CXH009CD(I) | CXH012CD(I) | CXH018CD(I) | CXH024CD(I) |
|-------------------------------------|--------------------------|--------|-------------------|-------------------|-------------------|-------------------|
| Outdoor Model No. | | | CPP009CD(O) | CPP012CD(O) | CPP018CD(O) | CPP024CD(O) |
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling | Capacity | Btu/h | 9000 | 12000 | 18000 | 24000 |
| | EER | Btu/w | 14.9 | 13.7 | 13.0 | 13.7 |
| | SEER | Btu/w | 23.5 | 22.7 | 21 | 20.7 |
| Heating | Capacity | Btu/h | 9800 | 12000 | 18000 | 25000 |
| | HSPF4 | Btu/w | 10.8 | 11.0 | 10.4 | 11.5 |
| Indoor air flow (Hi/Mi/Lo) | | CFM | 370/268/196 | 371/274/198 | 530/410/295 | 695/624/485 |
| Indoor noise level (Hi/Mi/Lo) | | dB(A) | 41.7/33.4/26.5 | 45.1/35.8/28.6 | 46.2/36.3/30.9 | 51.7/44.5/ 35.1 |
| Indoor unit | Dimension (WxDxH) | inch | 32.87x7.80x11.02 | 32.87x7.80x11.02 | 38.98x8.58x12.40 | 46.69x10.16x13.39 |
| | Packing (WxDxH) | inch | 35.83x10.63x13.98 | 35.83x10.63x13.98 | 41.93x11.81x15.75 | 49.80x16.53x13.39 |
| | Net/Gross weight | lbs. | 19.8/25.4 | 19.8/26.7 | 26.9/34.8 | 39.9/53.6 |
| Contoller | | | Remote Control | Remote Control | Remote Control | Remote Control |
| Operation temperature | Indoor (Cooling/Heating) | °F | 62~90/32~86 | 62~90/32~86 | 62~90/32~86 | 62~90/32~86 |
| Application area (cooling standard) | | sq. ft | 129-194 | 172-247 | 258-376 | 344-505 |



TPA series Light Commercial Cassette

Product specifications

Light Commercial - Single Zone Combinations

| Indoor Model No. | | | TPA-09 | TPA-12 | TPA-18 | TPA-24 | TPA-36DU | TPA-48DU |
|---------------------------------------|---------------------------|--------------|-------------------|-------------------|-------------------|------------------|-------------------|------------------|
| Outdoor Model No. | | | CPP009CD(O) | CPP012CD(O) | CPP018CD(O) | CPP024CD(O) | CPP036CD(O)-DU | CPP048CD(O)-DU |
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling | Capacity | Btu/h | 9000 | 12000 | 18000 | 24000 | 36000 | 48000 |
| | Input | W | 692 | 857 | 1440 | 1920 | 4000 | 5053 |
| | Rated current | A | 3.0 | 3.7 | 6.3 | 8.3 | 17.4 | 22.0 |
| | EER | Btu/W | 13.0 | 14.0 | 12.5 | 12.5 | 9.0 | 9.5 |
| | SEER | Btu/W | 20 | 21.5 | 20 | 20 | 17.5 | 16.8 |
| Heating | Capacity | Btu/h | 10000 | 12000 | 18000 | 24400 | 38000 | 50000 |
| | Input | W | 850 | 902 | 1494 | 2043 | 3712 | 4727 |
| | Rated current | A | 3.7 | 3.9 | 6.5 | 8.9 | 16.1 | 20.6 |
| | HSPF4 | Btu/W | 10.5 | 10.5 | 10.3 | 10.5 | 10.5 | 11.0 |
| | HSPF5 | Btu/W | 8.4 | 8.4 | 9.8 | 8.4 | 9.1 | 9.4 |
| Indoor air flow (Hi/Med/Lo) (No duct) | | CFM | 374/301/257 | 379/309/261 | 560483/415 | 700/636/573 | 1095/958/809 | 1177/1030/853 |
| Indoor noise level (Hi/Med/Lo) | | dB(A) | 41/37/33 | 43/39/36 | 44/39/36 | 51/47/43 | 55/52/49 | 55/52/49 |
| Indoor unit | Dimension (WxDxH) (body) | inch | 22.44x22.44x10.24 | 22.44x22.44x10.24 | 22.44x22.44x10.24 | 33.07x33.07x8.07 | 33.07x33.07x9.65 | 33.07x33.07x11.3 |
| | Packing (WxDxH) (body) | inch | 25.79x25.79x11.42 | 25.79x25.79x11.42 | 25.79x25.79x11.42 | 35.43x35.43x8.54 | 35.43x35.43x10.12 | 35.43x35.43x11.5 |
| | Dimension (WxDxH) (panel) | inch | 25.47x25.47x1.97 | 25.47x25.47x1.97 | 25.47x25.47x1.97 | 37.4x37.4x2.17 | 37.4x37.4x2.17 | 37.4x37.4x2.17 |
| | Packing (WxDxH) (panel) | inch | 28.15x28.15x4.84 | 28.15x28.15x4.84 | 28.15x28.15x4.84 | 40.75x40.75x3.54 | 40.75x40.75x3.54 | 40.75x40.75x3.54 |
| | Net/Gross weight (body) | lbs. | 31.97/38.14 | 35.27/41 | 35.49/41.23 | 46.3/54.23 | 58.2/66.14 | 63.27/72.53 |
| | Net/Gross weight (panel) | lbs. | 5.51/9.92 | 5.51/9.92 | 5.51/9.92 | 11.02/17.64 | 11.02/17.64 | 11.02/17.64 |
| Design pressure | | PSIG | 540/300 PSIG | 540/300 PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG |
| Refrig. piping | Liquid side/ Gas side | inch | 1/4"/3/8" | 1/4"/1/2" | 1/4"/1/2" | 3/8"/5/8" | 3/8"/5/8" | 3/8"/5/8" |
| Controller | | | Remote Control | Remote Control | Remote Control | Remote Control | Remote Control | Remote Control |
| Room temp. | Cooling | °F | 62~90 | 62~90 | 62~90 | 62~90 | 62~90 | 62~90 |
| | Heating | °F | 32~86 | 32~86 | 32~86 | 32~86 | 32~86 | 32~86 |
| Operation temperature | | | 62~86 | 62~86 | 62~86 | 62~86 | 62~86 | 62~86 |

FPA series



Light Commercial Floor/Ceiling

Product specifications



Light Commercial - Single Zone Combinations

| Indoor Model No. | | | FPA-18 | FPA-24 | FPA-36DU | FPA-48DU | FPA-60DU |
|---|----------------------|--------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Outdoor Model No. | | | CPP018CD(O) | CPP024CD(O) | CPP036CD(O)-DU | CPP048CD(O)-DU | CPP060CD(O)-DU |
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling | Capacity | Btu/h | 18000 | 24000 | 36000 | 48000 | 54000 |
| | Input | W | 1440 | 1920 | 4500 | 5990 | 5510 |
| | Rated current | A | 6.3 | 8.3 | 19.6 | 22.4 | 26.5 |
| | EER | Btu/W | 12.5 | 12.5 | 8.0 | 9.3 | 9.8 |
| | SEER | | 20 | 20 | 16 | 17.8 | 18.0 |
| Heating | Capacity | Btu/h | 18000 | 24000 | 38000 | 50000 | 60000 |
| | Input | W | 1638 | 1851 | 3978 | 4579 | 29 |
| | Rated current | A | 7.1 | 8.0 | 17.3 | 19.9 | 29 |
| | HSPF4 | | 10.5 | 11 | 10.0 | 11.0 | 10.5 |
| | HSPF5 | | 8.8 | 9 | 8.7 | 9.4 | 9.1 |
| Indoor air flow(Hi/Med/Lo) | | CFM | 578/521/465 | 759/708/598 | 1037/917/638 | 1350/1120/1000 | 1385/102/207 |
| Indoor noise level (sound pressure) (Hi/Mid/Lo) | | dB(A) | 47/44/39 | 53/48/42 | 54/49/43 | 57/54/52 | 55/49/46 |
| Indoor unit | Dimension (WxDxH) | inch | 42.05x26.57x9.25 | 42.05x26.57x9.25 | 50.59x26.57x9.25 | 64.96x26.57x9.25 | 64.96/26.57/9.25 |
| | Packing (WxDxH) | inch | 45.08x29.72x12.32 | 45.08x29.72x12.32 | 53.54x29.72x12.32 | 67.91x29.72x12.32 | 67.91/29.72/12.32 |
| | Net/Gross weight | lbs. | 55.12/65.48 | 58.42/69.23 | 69/81.57 | 83.78/97 | 101.2/110 |
| Design pressure | | PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 |
| Refrig. piping | Liquid side/Gas side | (inch) | 1/4"/1/2" | 3/8"/5/8" | 3/8"/5/8" | 3/8"/5/8" | 3/8"/3/4" |
| Controller | | | Remote Control | Remote Control | Remote Control | Remote Control | Remote Control |
| Room temp. | Cooling | °F | 62-90 | 62-90 | 62-90 | 62-90 | 62-90 |
| | Heating | °F | 32-86 | 32-86 | 32-86 | 32-86 | 32-86 |
| Operation temperature | | °F | 62~86 | 62~86 | 62~86 | 62~86 | 62~86 |



CPA series

Light Commercial Fan Coil

Product specifications

Light Commercial - Single Zone Combinations

| Indoor Model No. | | CPA-09B | CPA-12B | CPA-18B | CPA-24B | CPA-36DUB | CPA-48DUB | CPA-60DU | |
|---|--------------------------|-----------------|-------------------|-------------------|-------------------|----------------|----------------|-------------------|-------------------|
| Outdoor Model No. | | CPP009CD(O) | CPP012CD(O) | CPP018CD(O) | CPP024CD(O) | CPP036CD(O)-DU | CPP048CD(O)-DU | CPP060CD(O)-DU | |
| Power supply | | 208-230V-1-60Hz | | | | | | | |
| Cooling | Capacity | Btu/h | 9000 | 12000 | 18000 | 24000 | 36000 | 48000 | 57000 |
| | Input | W | 667 | 960 | 1440 | 1920 | 4000 | 5217 | 5700 |
| | Rated current | A | 3.2 | 4.6 | 6.9 | 9.2 | 19.2 | 25.1 | 27.4 |
| | EER | Btu/W | 13.5 | 12.5 | 12.5 | 12.5 | 9 | 9.2 | 10 |
| | SEER | | 20.5 | 21.5 | 19 | 21 | 16.5 | 17.4 | 18 |
| Heating | Capacity | Btu/h | 10000 | 12000 | 18000 | 24400 | 40000 | 49500 | 62000 |
| | Input | W | --- | --- | --- | --- | --- | --- | --- |
| | HSPF4 | | 11.5 | 11.5 | 10.5 | 11 | 11.5 | 10.3 | 9.0 |
| | HSPF5 | | 10 | 9 | 9 | 9.5 | 10 | 8.8 | 7.6 |
| Max. fuse | A | 15.0 | 15.0 | 20.0 | 25.0 | 50.0 | 50 | 50 | |
| Minimum circuit Ampacity | A | 10.0 | 12.0 | 15.0 | 18.0 | 30.0 | 35 | 36 | |
| Indoor air flow (Hi/Med/Lo) | CFM | 353/283/177 | 353/283/177 | 530/450/371 | 776/694/435 | 1082/912/703 | 1229/1032/715 | 2157/1710/1262 | |
| ESP | Range | Pa | 0-40 | 0-40 | 0-100 | 0-160 | 0-160 | 0-160 | 0-200 |
| | Range | In. WG | 0--0.16 | 0--0.16 | 0-0.40 | 0-0.64 | 0-0.64 | 0-0.64 | 0-0.8 |
| Indoor noise level (sound pressure) (Hi/Mid/Lo) | dB(A) | 37/32/30 | 38/33/30 | 39/37/35 | 44/40/35 | 46/42/39 | 52/49/46 | 57/54/51 | |
| In-door unit | Dimension (WxDxH) | inch | 27.56x17.72x7.87 | 27.56x17.72x7.87 | 34.65x28.53x8.27 | 43x30x10 | 54x30x10 | 47.24x34.41x11.81 | 55.12/33.78/17.32 |
| | Packing (WxDxH) | inch | 33.86x21.26x10.83 | 33.86x21.26x10.83 | 42.13x28.53x10.63 | 51x32x12 | 62x32x12 | 55.31x36.02x13.98 | 63.19/35.83/19.88 |
| | Net/Gross weight | lbs. | 37.5/48.3 | 37.5/48.3 | 54/66 | 87/103 | 106/122 | 120/142 | 163.1/189.6 |
| Design pressure | PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 PSIG | 550/340 | |
| Drainage water pipe diameter | inch | OD Φ 1" | OD Φ 1" | OD Φ 1" | OD Φ 1" | OD Φ 1" | OD Φ 1" | OD Φ 1" | |
| Refrig. piping | Liquid side/ Gas side | inch | 1/4"/3/8" | 1/4"/1/2" | 1/4"/1/2" | 3/8"/5/8" | 3/8"/5/8" | 3/8"/5/8" | 3/8"/3/4" |
| Controller | | | Wired Control | Wired Control | Wired Control | Wired Control | Wired Control | Wired Control | |
| Room temp. | Cooling | °F | 62-90 | 62-90 | 62-90 | 62-90 | 62-90 | 62-90 | |
| | Heating | °F | 32-86 | 32-86 | 32-86 | 32-86 | 32-86 | 32-86 | |
| Operation temperature | °F | 62~86 | 62~86 | 62~86 | 62~86 | 62~86 | 62~86 | 62~86 | |



**FLEX MOUNT
MULTI-ZONE**
22 SEER with Inverter
Low Ambient Temperature -13°F

Mix and match evaporator units depending on capacity, with individual zoning for up to 5 zones depending on the outdoor units.



**ALEGRIA
PLATINUM**
7 Year Warranty
Compressor



**ALEGRIA
PLATINUM**
7 Year Warranty
Parts

INVERTER



ALEGRIA PLATINUM  **SERIES**

Heat or cool multiple living spaces independently with only 1 outdoor unit!

- Flexible design – allows for up to 5 indoor units.
- Choose from 4 different indoor evaporators – high-wall mount, cassette type, fan coil and floor ceiling.
- Simple installation.
- All indoor units can be controlled individually.
- Connect 2 to 5 indoor units depending on capacity.
- Capacity up to 54,000 BTU
- Energy Efficient – up to 23 SEER.

NEW LOW AMBIENT KIT ALLOWS FOR HEATING IN AMBIENT TEMPERATURE AS LOW AS -13°F



DUAL ZONE

CM2-18-2Z DUAL ZONE

Mix & Match for 9,000 - 12,000 BTU/h
Heat Pump Inverter



TRI ZONE

CM3-27-3Z TRI ZONE

Mix & Match for 9,000 - 18,000 BTU/h
Heat Pump Inverter



QUAD ZONE

CM4-48-4Z QUAD ZONE

Mix & Match for
9,000 - 24,000 BTU/h
Heat Pump Inverter



FIVE ZONE

CM5-54-5Z FIVE ZONE

Mix & Match for
9,000 - 24,000 BTU/h
Heat Pump Inverter



More than 95+ combinations available

Four different indoor units to choose from!

Connect up to 5 Zones with
a capacity of up to 54,000 Btu/h.

2, 3, 4 & 5 Zone Heat Pump Systems

Outdoor models



DUAL ZONE
CM2-18-2Z



TRI ZONE
CM3-27-3Z



QUAD ZONE
CM4-48-4Z



FIVE ZONE
CM5-54-5Z

Features:

- Low Ambient (-13°F)
- Wi-Fi optional
- Bypass Mode
- Interactive display
- Self-Diagnosis
- 95+ Possible Combinations
- Connect up to 5 zones
- Individual Zone Control
- High Efficiency Inverter Technology
- Mix & Match 4 Different Indoor Units.
Available Indoor Units:
 - High Wall Mount
 - Cassette
 - Floor/Ceiling
 - Fan Coil

CM2 series



Flex Mount Non-Ducted
Outdoor Models
Heat Pump 19,000 - 48,000 Btu/h

Product specifications



Flex Mount Multi-Zone Combinations

| Indoor Model No. | | NON DUCT | NON DUCT | NON DUCT | NON DUCT | |
|---|--|-----------------|-------------------|-------------------|-------------------------------|-------------------------------|
| Outdoor Model No. | | CM2-18-2Z | CM3-27-3Z | CM4-48-4Z | CM5-54-5Z | |
| Power supply | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | |
| Cooling | Capacity | Btu/h | 18000 | 28000 | 36000 | 48000 |
| | EER | Btu | 12.5 | 12.5 | 11.5 | 12.5 |
| | SEER | | 22.5 | 23 | 22.5 | 22.4 |
| Heating at 47F | Capacity | Btu/h | 19000 | 28000 | 36000 | 48000 |
| | COP | W/W | 3.6 | 3.9 | 3.4 | 3.6 |
| | HSPF4 | | 10.3 | 10.3 | 10.2 | 10.2 |
| | HSPF5 | | 8.8 | 8.5 | 8.7 | 8.3 |
| MINIMUM CIRCUIT Ampacity | | A | 18.0 | 25.0 | 30.0 | 35.0 |
| MAX. FUSE | | A | 25.0 | 35.0 | 45.0 | 50.0 |
| Outdoor air flow | | CFM | 1390 | 2130 | 2130 | 4500 |
| Outdoor noise level | | dB(A) | 62.4 | 63.4 | 62.3 | 64 |
| Outdoor unit | Dimension (WxDxH) | inch | 33.27x14.29x27.64 | 37.24x16.14x31.89 | 37.24x16.14x31.89 | 37.48x16.34x52.48 |
| | Packing (WxDxH) | inch | 37.99x15.55x29.72 | 42.91x19.69x34.45 | 42.91x19.69x34.45 | 43.11x19.49x58.27 |
| | Net/Gross weight | lbs. | 105.82/114.64 | 149.91/160.94 | 156.53/167.55 | 223.77/255.07 |
| Refrigerant type | | oz | R410A/70.5 | R410A/98.8 | R410A/105.8 | R410A/162.3 |
| Refrigerant precharge (Total pipe length) | | ft | 25 | 25 | 25 | 25 |
| Additional charge for each ft | | oz | 0.161 | 0.161 | 0.161 | 0.32 |
| Design pressure | | PSIG | 550/340 | 550/340 | 550/340 | 550/340 |
| Refrigerant piping | Liquid side/ Gas side | inch | (1/4", 3/8") *2 | (1/4", 3/8") *3 | (1/4", 3/8")*3+(1/4", 1/2")*1 | (1/4", 3/8")*3+(1/4", 1/2")*2 |
| | Max. length for all rooms | ft | 131 | 197 | 262 | 262 |
| | Max. length for one indoor unit | ft | 82 | 98 | 115 | 115 |
| | Max. height difference between indoor and outdoor unit | ft | 49 | 49 | 49 | 49 |
| | Max. height difference between indoor units | ft | 33 | 33 | 33 | 33 |
| Ambient temp. | Cooling | °F | -13~122 | -13~122 | -13~122 | -13~122 |
| | Heating | °F | -13~86 | -13~86 | -13~86 | -13~86 |

CM2 series



Flex Mount Ducted

Outdoor Models

Heat Pump 18,500 - 50,000 Btu/h

Product specifications



Flex Mount Multi-Zone Combinations

| Indoor Model No. | | | DUCTED | DUCTED | DUCTED | DUCTED |
|--|--|-------|-------------------|-------------------|-----------------------------|-----------------------------|
| Outdoor Model No. | | | CM2-18-2Z | CM3-27-3Z | CM4-48-4Z | CM5-54-5Z |
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling | Capacity | Btu/h | 18000 | 28000 | 36000 | 49000 |
| | EER | Btu | 11.8 | 11 | 10 | 10.1 |
| | SEER | | 18.5 | 21 | 21 | 20.5 |
| Heating at 47F | Capacity | Btu/h | 18500 | 28000 | 37000 | 50000 |
| | COP | W/W | 3.8 | 3.63 | 3.56 | 3.57 |
| | HSPF4 | | 10 | 10 | 10 | 11.5 |
| | HSPF5 | | 8.5 | 8.5 | 8.3 | 10 |
| MINIMUM CIRCUIT Ampacity | | A | 18.0 | 25.0 | 30.0 | 35.0 |
| MAX. FUSE | | A | 25.0 | 35.0 | 45.0 | 50.0 |
| Outdoor air flow | | CFM | 1390 | 2130 | 2130 | 4500 |
| Outdoor noise level | | dB(A) | 62.4 | 63.4 | 62.3 | 64 |
| Outdoor unit | Dimension(W*D*H) | inch | 33.27x14.29x27.64 | 37.24x16.14x31.89 | 37.24x16.14x31.89 | 37.48x16.34x52.48 |
| | Packing (W*D*H) | inch | 37.99x15.55x29.72 | 42.91x19.69x34.45 | 42.91x19.69x34.06 | 43.11x19.49x58.27 |
| | Net/Gross weight | lbs. | 105.82/114.64 | 149.91/160.94 | 156.53/167.55 | 223.77/255.07 |
| Refrigerant type | | oz | R410A/70.5 | R410A/98.8 | R410A/105.8 | R410A/162.3 |
| Refrigerant precharge(Total pipe length) | | ft | 25 | 25 | 25 | 25 |
| Additional charge for each ft | | oz | 0.161 | 0.161 | 0.161 | 0.32 |
| Design pressure | | PSIG | 550/340 | 550/340 | 550/340 | 550/340 |
| Refrigerant piping | Liquid side/ Gas side | inch | (1/4", 3/8") *2 | (1/4", 3/8") *3 | (1/4",3/8")*3+(1/4",1/2")*1 | (1/4",3/8")*3+(1/4",1/2")*2 |
| | Max. length for all rooms | ft | 131 | 197 | 262 | 262 |
| | Max. length for one indoor unit | ft | 82 | 98 | 115 | 115 |
| | Max. height difference between indoor and outdoor unit | ft | 49 | 49 | 49 | 49 |
| | Max. height difference between indoor units | ft | 33 | 33 | 33 | 33 |
| Ambient temp. | Cooling | °F | -13~122 | -13~122 | -13~122 | -13~122 |
| | Heating | °F | -13~86 | -13~86 | -13~86 | -13~86 |

CXH series

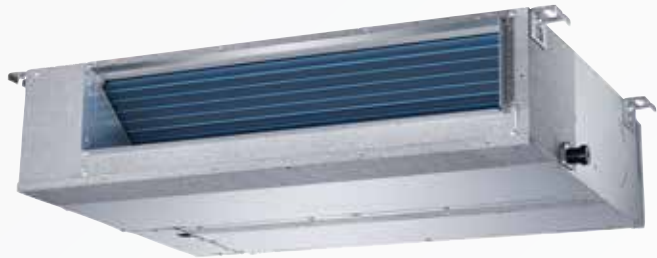


Flex-Mount
High Wall Mount

Product specifications

| Indoor Model No. | | | CXH009CD(I) | CXH012CD(I) | CXH018CD(I) | CXH024CD(I) |
|-------------------------------|-------------------|-------|-------------------|-------------------|-------------------|-------------------|
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling Capacity | | Btu/h | 9000 | 12000 | 18000 | 24000 |
| Heating Capacity | | Btu/h | 9800 | 12000 | 18000 | 25000 |
| Indoor air flow (Hi/Mi/Lo) | | CFM | 340/260/205 | 340/260/205 | 595/460/355 | 775/715/585 |
| Indoor noise level (Hi/Mi/Lo) | | dB(A) | 43.3/36.2/29.1 | 43/36.2/29.3 | 46.6/38.6/30.5 | 50/44.7/39.4 |
| Indoor unit | Dimension (WxDxH) | inch | 32.87x7.80x11.02 | 32.87x7.80x11.02 | 38.98x8.58x12.40 | 46.69x10.16x13.39 |
| | Packing (WxDxH) | inch | 35.83x10.63x13.98 | 35.83x10.63x13.98 | 41.93x11.81x15.75 | 49.80x16.53x13.39 |
| | Net/Gross weight | lbs. | 19.8/25.4 | 19.8/25.4 | 26.9/34.8 | 40.1/50.3 |
| Controller | | | Remote Control | Remote Control | Remote Control | Remote Control |
| Room temperature | Cooling | °F | 62~90 | 62~90 | 62~90 | 62~90 |
| | Heating | °F | 32~86 | 32~86 | 32~86 | 32~86 |

CPA series



Flex-Mount Fan Coil

Product specifications

| Indoor Type | | | Ducted | | | |
|---------------------------------------|-------------------------|--------|-------------------|-------------------|-------------------|-----------------|
| Indoor Model No. | | | CPA-09B | CPA-12B | CPA-18B | CPA-24B |
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling Capacity | | Btu/h | 9000 | 12000 | 18000 | 24000 |
| Heating Capacity | | Btu/h | 10000 | 12000 | 18000 | 24400 |
| Indoor air flow (Hi/Med/Lo) (No duct) | | CFM | 353/283/177 | 353/283/177 | 530/450/371 | 776/694/435 |
| ESP | Range | Pa | 0-40 | 0-40 | 0-100 | 0-160 |
| | Range | In. WG | 0--0.16 | 0--0.16 | 0-0.40 | 0-0.64 |
| Indoor noise level (Hi/Med/Lo) | | dB(A) | 38/25/32 | 38/26/33.5 | 39/37/35 | 44/-/- |
| Indoor unit | Dimension (WxDxH)(body) | inch | 27.56x17.72x7.87 | 27.56x17.72x7.87 | 34.65x28.53x8.27 | 43x30x10 |
| | Packing (WxDxH)(body) | inch | 33.86x21.26x10.83 | 33.86x21.26x10.83 | 42.13x28.53x10.63 | 51x32x12 |
| | Net/Gross weight(body) | lbs. | 37.5/48.3 | 37.5/48.3 | 54/66 | 87/103 |
| Design pressure | | PSIG | 550/340 | 550/340 | 550/340 | 550/340 |
| Drainage water pipe diameter | | Inch | OD Φ1" | OD Φ1" | OD Φ1" | OD Φ1" |
| Refrigerant piping | Liquid side/ Gas side | Inch | 1/4"/3/8" | 1/4"/1/2" | 1/4"/1/2" | 3/8"/5/8" |
| Contoller | | | Remote Control | Remote Control | Remote Control | Remote Control |
| Room temperature | Cooling | °F | 62~90 | 62~90 | 62~90 | 62~90 |
| | Heating | °F | 32~86 | 32~86 | 32~86 | 32~86 |



FPA series

Flex-Mount Floor/Ceiling

Product specifications



| Indoor Type | | | Floor/Ceiling | |
|---------------------------------------|--------------------------|--------|-------------------|-------------------|
| Indoor Model No. | | | FPA-18 | FPA-24 |
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling Capacity | | Btu/h | 18000 | 24000 |
| Heating Capacity | | Btu/h | 18000 | 24000 |
| Indoor air flow (Hi/Med/Lo) (No duct) | | CFM | 666/595/525 | 880/770/650 |
| ESP | Range | Pa | / | / |
| | Range | In. WG | / | / |
| "Indoor noise level (Hi/Med/Lo) | | dB(A) | 47/44/39 | 58.5/55/52 |
| (Standard pressure)" | | dB(A) | 47/44/39 | 58.5/55/52 |
| Indoor Unit | Dimension (WxDxH)(body) | inch | 42.05x26.57x9.25 | 42.05x26.57x9.25 |
| | Packing (WxDxH)(body) | inch | 45.08x29.72x12.32 | 45.08x29.72x12.32 |
| | Net/Gross weight(body) | lbs. | 55.12/65.48 | 55.12/66.14 |
| Design pressure | | PSIG | 550/340 | 550/340 |
| Drainage water pipe diameter | | Inch | OD Φ1" | OD Φ1" |
| Refrigerant piping | Liquid side/ Gas side | Inch | 1/4"/1/2" | 1/4"/1/2" |
| Controller | | | Remote Control | Remote Control |
| Room temperature | Cooling | °F | 62~90 | 62~90 |
| | Heating | °F | 32~86 | 32~86 |

TPA series



Flex-Mount Cassette Type

Heat Pump 9,000 - 24,000 Btu/h

Product specifications



| Indoor Type | | Cassette | | | |
|--|---------------------------|------------------------|-------------------|-------------------|-------------------|
| Indoor Model No. | | TPA-09 | TPA-12 | TPA-18 | TPA-24 |
| Power supply | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling Capacity | | Btu/h 9000 | 12000 | 18000 | 24000 |
| Heating Capacity | | Btu/h 10000 | 12000 | 18000 | 24400 |
| Indoor air flow (Hi/Med/Lo) (No duct) | | CFM 353/306/271 | 338288/248 | 562/485/439 | 820/740/590 |
| "Indoor noise level (Hi/Med/Lo) (Standard pressure)" | | dB(A) 47/44/39 | 58.5/55/52 | 46/43/41 | 51/47/43 |
| Indoor unit | Dimension (WxDxH)(body) | inch 22.44x22.44x10.24 | 22.44x22.44x10.24 | 22.44x22.44x10.24 | 33.07x33.07x8.07 |
| | Packing (WxDxH) (body) | inch 25.79x25.79x11.42 | 25.79x25.79x11.42 | 25.79x25.79x11.42 | 35.43x35.43x8.86 |
| | Dimension (WxDxH) (panel) | inch 25.47x25.47x1.97 | 25.47x25.47x1.97 | 25.47x25.47x1.97 | 37.4x37.4x2.17 |
| | Packing (WxDxH)(panel) | inch 28.15x28.15x4.84 | 28.15x28.15x4.84 | 28.15x28.15x4.84 | 40.75x40.75x3.54 |
| | Net/Gross weight (body) | lbs. 35.27/41.88 | 35.27/41.88 | 39.68/46.3 | 45.19/52.91 |
| | Net/Gross weight (panel) | lbs. 5.51/9.92 | 5.51/9.92 | 5.51/9.92 | 11.02/17.64 |
| Design pressure | | PSIG 550/340 | 550/340 | 550/340 | 550/340 |
| Drainage water pipe diameter | | Inch OD Φ 1" | OD Φ 1" | OD Φ 1" | OD Φ 1"-1/4" |
| Refrigerant piping | Liquid side/ Gas side | Inch 1/4"/3/8" | 1/4"/1/2" | 1/4"/1/2" | 3/8"/5/8" |
| Controller | | Remote Control | Remote Control | Remote Control | Remote Control |
| Room temperature | Cooling | $^{\circ}$ F 62~90 | 62~90 | 62~90 | 62~90 |
| | Heating | $^{\circ}$ F 32~86 | 32~86 | 32~86 | 32~86 |

| | Model No. | Type | Combination | Cooling Capacity | SEER | EER | HSPF |
|-----------|---------------|------------|-------------|------------------|-------|------|------|
| | Regular model | CM2-18-2Z | Non Ducted | 9+9 | 18000 | 22.5 | 12.5 |
| Ducted | | | 9+9 | 18000 | 18.5 | 11.8 | 10 |
| MIX | | | 9+9 | 18000 | 20.5 | 12.2 | 10.2 |
| CM3-27-3Z | | Non Ducted | 9+9+9 | 28000 | 23 | 12.5 | 10.3 |
| | | Ducted | 9+9+9 | 28000 | 21 | 11 | 10 |
| | | MIX | 9+9+9 | 28000 | 22.0 | 11.8 | 10.2 |
| CM4-48-4Z | | Non Ducted | 9+9+9+9 | 36000 | 22.5 | 11.5 | 10.2 |
| | | Ducted | 9+9+9+9 | 36000 | 21 | 10 | 10 |
| | | MIX | 9+9+9+9 | 36000 | 21.8 | 10.8 | 10.1 |
| CM5-54-5Z | Non Ducted | 9+9+9+9+9 | 48000 | 22.4 | 12.5 | 10.2 | |
| | Ducted | 9+9+9+9+9 | 49000 | 20.5 | 10.1 | 11.5 | |
| | MIX | 9+9+9+9+9 | 48500 | 21.5 | 11.3 | 10.9 | |

Mix & match indoor units up to 5 zones depending on your needs, providing total flexibility.

DUAL ZONE CONDENSER CM2-18-2Z

| One Unit | Two Unit |
|----------|----------|
| 9 | 9+9 |
| 12 | 9+12 |
| | 12+12 |

TRI ZONE CONDENSER CM3-27-3Z

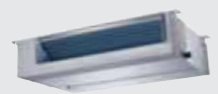
| One Unit | Two Units | | Three Units | |
|----------|-----------|-------|-------------|----------|
| NA | 9+9 | 12+12 | 9+9+9 | 9+12+12 |
| NA | 9+12 | 12+18 | 9+9+12 | 12+12+12 |
| NA | 9+18 | 18+18 | 9+9+18 | |

QUAD ZONE CONDENSER CM4-48-4Z

| One Unit | Two Units | | Three Units | | | Four Units | |
|----------|-----------|-------|-------------|---------|----------|------------|-------------|
| NA | 9+9 | 12+12 | 9+9+9 | 9+12+12 | 12+12+12 | 9+9+9+9 | 9+9+12+18 |
| NA | 9+12 | 12+18 | 9+9+12 | 9+12+18 | 12+12+18 | 9+9+9+12 | 9+12+12+12 |
| NA | 9+18 | 12+24 | 9+9+18 | 9+12+24 | 12+12+24 | 9+9+9+18 | 12+12+12+12 |
| NA | 9+24 | 18+18 | 9+9+24 | 9+18+18 | 12+18+18 | 9+9+12+12 | |

FIVE ZONE CONDENSER CM5-54-5Z (Must always have installed a minimum of 2 Indoor Units)


| Two Units | | Three Units | | | Four Units | | | Five Units | |
|-----------|-------|-------------|----------|----------|------------|------------|-------------|-------------|----------------|
| 9+18 | 12+24 | 9+9+9 | 9+12+24 | 12+12+24 | 9+9+9+9 | 9+9+12+24 | 9+9+18+18 | 9+9+9+9+9 | 9+9+9+18+18 |
| 9+24 | 18+18 | 9+9+12 | 9+18+18 | 12+18+18 | 9+9+9+12 | 9+9+18+24 | 9+9+18+24 | 9+9+9+9+12 | 9+9+12+12+12 |
| 12+12 | 18+24 | 9+9+18 | 9+18+24 | 12+18+24 | 9+9+9+18 | 9+12+12+12 | 9+18+18+18 | 9+9+9+9+18 | 9+9+12+12+18 |
| 12+18 | 24+24 | 9+9+24 | 9+24+24 | 12+24+24 | 9+9+9+24 | 9+12+12+18 | 12+12+12+12 | 9+9+9+9+24 | 9+12+12+12+12 |
| | | 9+12+12 | 12+12+12 | 18+18+18 | 9+9+12+12 | 9+12+18+18 | 12+12+12+18 | 9+9+9+12+12 | 9+12+12+12+18 |
| | | 9+12+18 | 12+12+18 | 18+18+24 | 9+9+12+18 | 9+12+12+24 | 12+12+18+18 | 9+9+9+12+18 | 12+12+12+12+12 |
| | | | | | | | 12+12+12+24 | | |





| Outdoor Model No. | Hi-Wall | | Cassette | Floor Ceiling | Ducted |
|-------------------|--------------|-------------|----------|------------------|---------|
| | CXH | CPP | | | |
| CM2-18-2Z | CXH009CD (I) | CPP09CD (I) | TPA-09 | NA | CPA-09B |
| | CXH012CD (I) | CPP12CD (I) | TPA-12 | | CPA-12B |
| CM3-27-3Z | CXH009CD (I) | CPP09CD (I) | TPA-09 | NA | CPA-09B |
| | CXH012CD (I) | CPP12CD (I) | TPA-12 | | CPA-12B |
| | CXH018CD (I) | CPP18CD (I) | TPA-18 | | CPA-18B |
| CM4-48-4Z | CXH009CD (I) | CPP09CD (I) | TPA-09 | FPA-18 FPA-24 | CPA-09B |
| | CXH012CD (I) | CPP12CD (I) | TPA-12 | | CPA-12B |
| | CXH018CD (I) | CPP18CD (I) | TPA-18 | | CPA-18B |
| | CXH024CD (I) | CPP24CD (I) | TPA-24 | | CPA-24B |
| CM5-54-5Z | CXH009CD (I) | CPP09CD (I) | TPA-09 | FPA-18 FPA-24 | CPA-09B |
| | CXH012CD (I) | CPP12CD (I) | TPA-12 | | CPA-12B |
| | CXH018CD (I) | CPP18CD (I) | TPA-18 | | CPA-18B |
| | CXH024CD (I) | CPP24CD (I) | TPA-24 | | CPA-24B |





ALEGRIA HI-HEAT SERIES


- 


Celsius And Fahrenheit Degree Switch
- 


Quiet Mode
- 

Auto-Restart
- 

Intelligent Defrost
- 

Low Temperature Heating and Cooling
- 

24H Timer
- 

Follow Me
- 

Wired Controller

Features:

- Auto Swing
- Bypass Mode
- Interactive display
- Auto Defrosting
- Mute Operation
- Self-Diagnosis
- 12-Speed Indoor Fan Speeds
- Refrigerant Leak Detection Error Code
- 3-Directional Airflow
- Emergency Mode
- Manual Switch
- 2-Way Draining
- Anti-Cold Air Function
- Wired Control Option

- 

ALEGRIA Hi-HEAT
10 Year Warranty Compressor
- 

ALEGRIA Hi-HEAT
10 Year Warranty Parts

INVERTER



Hi-HEAT 25 SEER

Single Zone Heat Pump

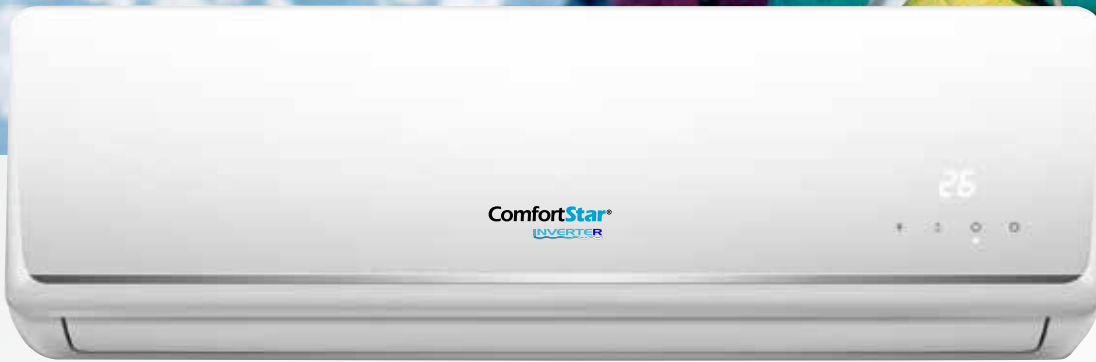
High Efficiency
up to 25 SEER
Low Ambient
-22°F

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Expanded features:

- **Low Ambient Kit:** Systems are capable of producing comfort heating to ambient outdoor temperatures as low as -22°F.
- Advanced defrost procedure design and special base plate design bring excellent performance.
- **Manual Switch Button** – Power unit ON/OFF using button located at the evaporator.
- **Interactive Display shows:**
 - Display shows error codes based on system failure.
 - Display shows service codes if you have dirty filters.
 - Display will show error code if leak in the system is detected.
 - Display also alerts when unit goes into auto defrost.
- **Self-Diagnosis** – Unit will shut down and go into protection mode if it detects abnormalities. The display will show an error code depending on the type of protection the unit is in.
- **Bypass Mode** – Unit will continue to operate if a non-critical component fails, such as a sensor.
- **2-Way Draining Option** – Place drain hose on left or right hand side of evaporator makes for flexible installation design.
- **3 Directional Airflow** – Air flow is directed so that it reaches more surface area including the corners of the room being conditioned.
- **Refrigerant Leak Detection Error Code**
 - Error code is displayed at the indoor unit if there is a leak detected in the system.
- **Mute Operation** – Silence function keys of the Remote Control.
- **Follow Me Function** – Remote Control has a sensor built in. In this mode, the unit will take the temperature at the Remote Control instead of at the evaporator for the set temperature.



CXH Hi-HEAT series

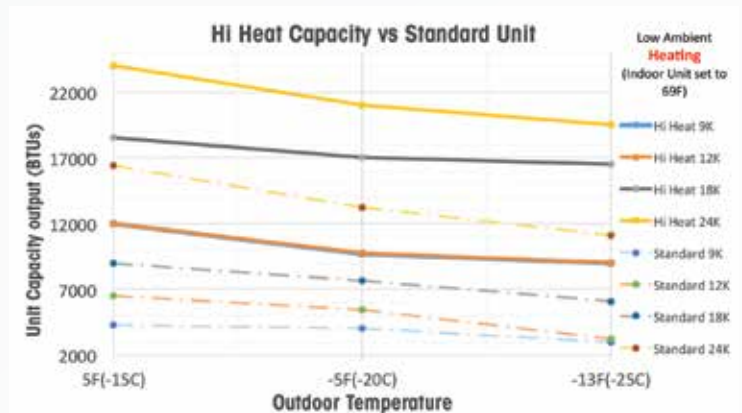
Capacity output is significantly higher than traditional units.

25 SEER | Low Ambient -22°F

SILVER ION FILTER:

Eliminates bacteria

- The silver ion can destroy the inner-configuration and absorb the elements in the cells.
- Meanwhile, the Nano Silver attached to the filter releases the silver ion constantly to eliminate bacteria, virus, fungi, and spores, effectively and continuously.



SILVER ION FILTER MAINTENANCE

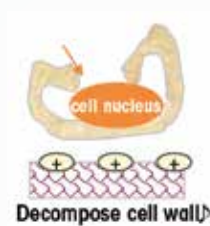
- Clean the filter with water or vacuum every one/two months.
- Filter has a 10 year life span.



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CXH series

Hi-HEAT - High Wall Mount



ALEGRIA Hi-HEAT
10 Year Warranty
Compressor



ALEGRIA Hi-HEAT
10 Year Warranty
Parts

Product specifications

| Indoor Model No. | | | CXH009CD(I) | CXH012CD(I) | CXH018CD(I) | CXH024CD(I) |
|-------------------------------------|------------------------------------|--------------|------------------------------|-------------------|-------------------|-------------------|
| Outdoor Model No. | | | CXH009CD(O) | CXH012CD(O) | CXH018CD(O) | CXH024CD(O) |
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling | Capacity | Btu/h | 9000 | 12000 | 17000 | 24000 |
| | Input | W | 620 | 960 | 1360 | 1920 |
| | Rated current | A | 2.7 | 4.2 | 5.95 | 8.4 |
| | EER | Btu/w | 14.5 | 13 | 12.5 | 13 |
| | SEER | Btu/w | 25 | 22.5 | 20 | 20.5 |
| Heating | Capacity | Btu/h | 10900 | 11800 | 18000 | 24000 |
| | Input | W | 835 | 975 | 1685 | 2500 |
| | Rated current | A | 3.6 | 4.2 | 7.4 | 10.9 |
| | COP | W/W | 3.83 | 3.55 | 3.13 | 2.81 |
| | HSPF4 | Btu/w | 11.2 | 12 | 10.3 | 11.5 |
| | HSPF5 | Btu/w | 9 | 9.9 | 8.8 | 9.6 |
| MINIMUM CIRCUIT Ampacity | | A | 9 | 9 | 18 | 20 |
| MAX. FUSE | | A | 15 | 15 | 25 | 30 |
| Indoor air flow (Hi/Mi/Lo) | | CFM | 418/324/247 | 418/324/247 | 599/411/353 | 794/647/500 |
| Indoor noise level (Hi/Mi/Lo) | | dB(A) | 42/33/24.5 | 43/36/24 | 45.5/36/26.5 | 47.5 /44/36.5 |
| Indoor unit | Dimension (WxDxH) | inch | 32.87x7.80x11.02 | 32.87x7.80x11.02 | 38.98x8.58x12.40 | 46.69x10.16x13.39 |
| | Packing (WxDxH) | inch | 35.83x10.63x13.98 | 35.83x10.63x13.98 | 41.93x11.81x15.75 | 49.80x13.39x16.53 |
| | Net/Gross weight | lbs. | 19.84/25.35 | 19.84/26.68 | 26.89/34.83 | 40.12/50.26 |
| Outdoor air flow | | CFM | 1120 | 1180 | 1355 | 2355 |
| Outdoor noise level | | dB(A) | 55.5 | 56 | 57.5 | 60 |
| Outdoor unit | Dimension (WxDxH) | inch | 31.50x13.11x21.81 | 31.50x13.11x21.81 | 33.27x14.29x27.64 | 37.24/16.14/31.89 |
| | Packing (WxDxH) | inch | 36.22x15.35x24.21 | 36.22x15.35x24.21 | 37.99x15.55x29.72 | 42.91x19.69x34.45 |
| | Net/Gross weight | lbs. | 88.2/93.7 | 88.2/93.7 | 107.4/115.1 | 135.58/148.81 |
| Refrigerant type | | oz | R410A/52.9 | R410A/52.9 | R410A/68.8 | R410A/91.7 |
| Refrigerant precharge | | ft | 25 | 25 | 25 | 25 |
| Additional charge for each ft | | oz | 0.161 | 0.161 | 0.161 | 0.322 |
| Design pressure | | PSIG | 550/340PSIG | 550/340PSIG | 550/340PSIG | 550/340PSIG |
| Refrigerant piping | Liquid side/ Gas side | inch | 1/4"/3/8" | 1/4"/1/2" | 1/4"/1/2" | 3/8"/5/8" |
| | Max. refrigerant pipe length | ft | 82 | 82 | 98 | 164 |
| | Max. difference in level | ft | 33 | 33 | 66 | 82 |
| Connection wiring | | | 16AWG*4 Stranded, unshielded | | | |
| Controller | | | Remote Control | Remote Control | Remote Control | Remote Control |
| Operation temperature | Indoor (cooling/Heating) | | 62~90/32~86 | 62~90/32~86 | 62~90/32~86 | 62~90/32~86 |
| | Outdoor (Cooling/Heating)-optional | | -22~122/-22~86 | -22~122/-22~86 | -22~122/-22~86 | -22~122/-22~86 |
| Application area (cooling standard) | | sq. ft | 129-189 | 172-252 | 258-376 | 344-505 |



LIGHT COMMERCIAL

25 SEER with Inverter

Single Zone Heat Pump

Low Ambient Temperature -22°F

With our low ambient temperature heating feature we can keep your customers or employees warm, even if the outside temperature drops as low as -22°F.



ALEGRIA Hi-HEAT
10 Year Warranty
Compressor



ALEGRIA Hi-HEAT
10 Year Warranty
Parts

INVERTER



ALEGRIA HI-HEAT SERIES

ALEGRIA Hi-HEAT LIGHT COMMERCIAL systems are ideal for small store fronts, office spaces, gyms, server rooms, hotels and small warehouses.

REMOTES

ARC-88

- Wireless Remote Control
- Transmission Indicator
- Temp °C/F/Timer display
- Fan speed display
- Silence display
- Sleep display
- Mode display
- ON/OFF display
- Lock display
- FOLLOW ME display



AWC-2

- Wired non-programmable controller
- Simple wired control
- Transmission Indicator
- Temp °C/F/Timer display
- Fan speed display
- Silence display
- Sleep display
- Mode display
- ON/OFF display
- Lock display



AWC-LC

- Programmable wire controller
- Up to 64 unit capability
- Transmission Indicator
- Temp °C/F/Timer display
- Fan speed display
- Silence display
- Sleep display
- Mode display
- ON/OFF display
- Lock display





CXH series

Hi-Heat Light Commercial Condenser

- Twin-Rotary Compressor
- High Efficiency and Low Noise Level
- Chassis Heating Belt
- Multi Aperture base plate design
- R410a System
- Match with High wall-mount, floor-ceiling module, cassette type indoor units
- Gold Fin protection
- ETL certified for safety
- AHRI listed for efficiency



| Outdoor Model No. | | | CXH009CD(O) | CXH012CD(O) | CXH018CD(O) | CXH024CD(O) |
|-------------------------------|--------------------------|--------|-------------------|-------------------|-------------------|-------------------|
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Max. fuse | A | | 15.0 | 15.0 | 25.0 | 30.0 |
| Minimum circuit Ampacity | A | | 9.0 | 9.0 | 18.0 | 20.0 |
| Outdoor air flow (Max.) | CFM | | 1120 | 1180 | 1355 | 2354 |
| Outdoor noise level | dB(A) | | 59 | 57 | 59 | 61 |
| Throttle type | | | Capillary +EXV | Capillary +EXV | Capillary +EXV | Capillary +EXV |
| Outdoor Unit | Dimension (WxDxH) | inch | 31.5x13.11x21.81 | 31.5x13.11x21.81 | 33.27x14.29x27.64 | 37.24x16.14x31.89 |
| | Packing (WxDxH) | inch | 36.22x15.35x24.21 | 36.22x15.35x24.21 | 37.99x15.55x29.72 | 42.91x19.69x34.45 |
| | Net/ Gross weight | lbs. | 88.18/93.7 | 88.18/93.7 | 107.4/115.1 | 135.58/148.81 |
| Refrigerant type/ Quantity | Type/Charged volume | Oz | R410A/52.9 | R410A/52.9 | R410A/68.8 | R410A/91.7 |
| Refrigerant precharge | | ft | 25 | 25 | 25 | 25 |
| Additional charge for each ft | | oz | 0.16 | 0.16 | 0.16 | 0.32 |
| Design pressure | | PSIG | 550/340 | 550/340 | 550/340 | 550/340 |
| Refrigerant piping | Liquid side/ Gas side | (inch) | (1/4"/3/8") | (1/4"/1/2") | (1/4"/1/2") | (3/8"/5/8") |
| | Max. pipe length | ft | 82 | 82 | 98 | 164 |
| | Max. difference in level | ft | 33 | 33 | 66 | 82 |
| Ambient temperature | Cooling | °F | -22~122 | -22~122 | -22~122 | -22~122 |
| | Heating | °F | -22~86 | -22~86 | -22~86 | -22~86 |



CPA series

Hi-Heat Light Commercial High Wall Mount



- High Static pressure
- Low Noise Level
- Slim design
- Reserved Fresh Air knock out
- Air Intake from rear or bottom
- ETL certified for safety
- AHRI listed for efficiency

Remote Controls:
AWC-2 • AWC-LC



Light Commercial - Single Zone Combinations

| Indoor Model No. | | | CPA-09B | CPA-12B | CPA-18B | CPA-24B |
|---------------------------------------|---------------------------------------|---------|-------------------|-------------------|-------------------|-----------------|
| Outdoor Model No. | | | CXH009CD(O) | CXH012CD(O) | CXH018CD(O) | CXH204CD(O) |
| Power supply | | | 2208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling | Capacity | Btu/h | 9000 | 12000 | 16500 | 24000 |
| | Input | W | 667 | 960 | 1320 | 1920 |
| | Rated current | A | 3.05 | 4.4 | 6.0 | 8.52 |
| | EER | Btu/W | 13.5 | 12.5 | 12.5 | 12.5 |
| | SEER | | 23 | 20.5 | 19.6 | 20.5 |
| Heating at 47°F | Capacity | Btu/h | 10000 | 12000 | 19000 | 24000 |
| | Input | W | 814 | 1065 | 1900 | 1846 |
| | Rated current | A | 3.72 | 4.88 | 8.7 | 8.19 |
| | COP | W/W | 3.6 | 3.3 | 2.9 | 3.8 |
| | HSPF4 | | 12 | 11 | 11 | 12.5 |
| | HSPF5 | | 10 | 9.5 | 9.3 | 10.6 |
| Indoor air flow (Hi/Med/Lo) (No duct) | | m3/h | 600/480/300 | 600/480/300 | 900/765/630 | 1320/1180/740 |
| Indoor air flow (Hi/Med/Lo) (No duct) | | CFM | 353/283/177 | 353/283/177 | 530/450/371 | 776/694/435 |
| ESP | Range | Pa | 0-40 | 0-40 | 0-100 | 0-160 |
| | Range | In. wg. | 0--0.16 | 0--0.16 | 0-0.40 | 0-0.64 |
| Indoor noise level (Hi/Med/Lo) | | dB(A) | 38/25/32 | 38/26/33.5 | 39/37/35 | 44/--/0 |
| Indoor unit | Dimension (WxDxH) | inch | 27.56x17.72x7.87 | 27.56x17.72x7.87 | 34.65x28.53x8.27 | 43x30x10 |
| | Packing(WxDxH) | inch | 33.86x21.26x10.83 | 33.86x21.26x10.83 | 42.13x28.53x10.63 | 51x32x12 |
| | Net/Gross weight | lbs. | 37.5/48.3 | 37.5/48.3 | 54/66 | 87/103 |
| Design pressure | | PSIG | 550/340 | 550/340 | 550/340 | 550/340 |
| Drainage water pipe diameter | | inch | OD Φ1" | OD Φ1" | OD Φ1" | OD Φ1" |
| Refrigerant piping | Liquid side/ Gas side | inch | 1/4"/3/8" | 1/4"/1/2" | 1/4"/1/2" | 3/8"/5/8" |
| Controller | | | Wired control | Wired control | Wired control | Wired control |
| Operation temperature | Indoor (Cooling/Heating) °F | | 62~90/32~86 | 62~90/32~86 | 62~90/32~86 | 62~90/32~86 |
| | Outdoor (Cooling/Heating)-optional °F | | -22~-122/-22~86 | -22~-122/-22~86 | -22~-122/-22~86 | -22~-122/-22~86 |
| Application area (cooling standard) | | sq.ft | 129-189 | 172-252 | 258-376 | 344-505 |

Low Ambient temperature -22°F



TPA series

Hi-Heat Light Commercial Cassette

- Built-In Drain pan
- Compact design
- Low noise
- Simple Wiring

Remote Controls:
ARC-88
AWC-2
AWC-LC



Light Commercial - Single Zone Combinations

| Indoor Model | | | TPA-09 | TPA-12 | TPA-18 | TPA-24 |
|---|------------------------------------|-------|-------------------|-------------------|-------------------|------------------|
| Outdoor Model | | | CXH009CD(O) | CXH012CD(O) | CXH018CD(O) | CXH024CD(O) |
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling | Capacity | Btu/h | 9000 | 12000 | 16000 | 24000 |
| | Input | W | 692 | 960 | 1280 | 2182 |
| | Rated current | A | 3.17 | 4.39 | 5.85 | 9.98 |
| | EER | Btu/W | 13.0 | 12.5 | 12.5 | 11 |
| | SEER | | 20 | 19.5 | 20 | 20 |
| Heating at 47°F | Capacity | Btu/h | 10000 | 12000 | 18000 | 24000 |
| | Input | W | 952 | 960 | 1636 | 2034 |
| | Rated current | A | 4.35 | 4.39 | 7.48 | 9.31 |
| | COP | W/W | 3.08 | 3.66 | 3.22 | 3.46 |
| | HSPF4 | | 10.8 | 10.6 | 10.5 | 11.5 |
| | HSPF5 | | 9.4 | 9.2 | 9.1 | 10.0 |
| Indoor air flow (Hi) | | CFM | 374/301/257 | 379/309/261 | 560/483/415 | 878/761/625 |
| Indoor noise level (sound pressure) (Hi/Mid/Lo) | | dB(A) | 41/37/33 | 43/39/36 | 44/39/36 | 52/50/47 |
| Indoor unit | Dimension (WxDxH)(body) | inch | 22.44x22.44x10.24 | 22.44x22.44x10.24 | 22.44x22.44x10.24 | 33.07x33.07x8.07 |
| | Packing (WxDxH)(body) | inch | 25.79x25.79x11.42 | 25.79x25.79x11.42 | 25.79x25.79x11.42 | 35.43x35.43x8.54 |
| | Dimension (WxDxH)(panel) | inch | 25.47x25.47x1.97 | 25.47x25.47x1.97 | 25.47x25.47x1.97 | 37.4x37.4x2.17 |
| | Packing (WxDxH)(panel) | inch | 28.15x28.15x4.84 | 28.15x28.15x4.84 | 28.15x28.15x4.84 | 40.75x40.75x3.54 |
| | Net/Gross weight(body) | lbs. | 31.97/38.14 | 35.27/41 | 35.49/41.23 | 46.3/54.23 |
| | Net/Gross weight(panel) | lbs. | 5.51/9.92 | 5.51/9.92 | 5.51/9.92 | 11.02/17.64 |
| Design pressure | | PSIG | 540/300 PSIG | 540/300 PSIG | 550/340 PSIG | 550/340 PSIG |
| Drainage water pipe diameter | | inch | OD_1" | OD_1" | OD_1" | OD_1-1/4" |
| Refrigerant piping | Liquid side/Gas side | inch | 1/4"/3/8" | 1/4"/1/2" | 1/4"/1/2" | 3/8"/5/8" |
| Controller | | | Remote Control | Remote Control | Remote Control | Remote Control |
| Operation temperature | Indoor (Cooling/Heating) | °F | 62~90/32~86 | 62~90/32~86 | 62~90/32~86 | 62~90/32~86 |
| | Outdoor (Cooling/Heating)-optional | °F | -22~122/-22~86 | -22~122/-22~86 | -22~122/-22~86 | -22~122/-22~86 |
| Application area (cooling standard) | | sq.ft | 129-189 | 172-252 | 258-376 | 344-505 |

Low Ambient temperature -22°F



FPA series

Hi-Heat Light Commercial Floor/Ceiling

- Fresh Air intake
- 3D air-flow
- Easy clean filter
- ETL certified for safety
- AHRI listed for efficiency

Remote Controls:
ARC-88
AWC-LC



Light Commercial - Single Zone Combinations

| Indoor Model | | FPA-18 | | FPA-24 | |
|---|--------------------------|-----------------|-------------------|-------------------|--|
| Outdoor Model | | CXH018CD(O) | | CXH024CD(O) | |
| Power supply | | 208-230V-1-60Hz | | 208-230V-1-60Hz | |
| Cooling | Capacity | Btu/h | 17000 | 24000 | |
| | Input | W | 1260 | 2087 | |
| | Rated current | A | 6.22 | 9.55 | |
| | EER | Btu/W | 12.5 | 11.5 | |
| | SEER | Btu/w | 19.9 | 20 | |
| Heating at 47F | Capacity | Btu/h | 18000 | 24000 | |
| | Input | W | 1516 | 2000 | |
| | Rated current | A | 6.93 | 9.15 | |
| | COP | W/W | 3.48 | 3.52 | |
| | HSPF4 | Btu/w | 10.6 | 11.5 | |
| | HSPF5 | Btu/w | 9.2 | 10 | |
| Indoor air flow(Hi/Med/Lo) | | CFM | 666/595/525 | 746/696/618 | |
| Indoor noise level (sound pressure) (Hi/Mid/Lo) | | dB(A) | 47/44/39 | 52/50/46 | |
| Indoor unit | Dimension (WxDxH) | inch | 42.05x26.57x9.25 | 42.05x26.57x9.25 | |
| | Packing (WxDxH) | inch | 45.08x29.72x12.32 | 45.08x29.72x12.32 | |
| | Net/Gross weight | lbs. | 55.12/65.48 | 58.42/69.23 | |
| Design pressure | | PSIG | 550/340 PSIG | 550/340 PSIG | |
| Drainage water pipe diameter | | inch | OD_1" | OD_1" | |
| Refrigerant piping | Liquid side/Gas side | inch | 1/4"/1/2" | 3/8"/5/8" | |
| Controller | | | Remote Control | Remote Control | |
| Room temperature | Cooling | °F | 62~90 | 62~90 | |
| | Heating | °F | 32~86 | 32~86 | |
| Application area (cooling standard) | | sq. ft | 258-376 | 344-505 | |
| Operation temperature | Indoor (Cooling/Heating) | °F | 62~90/32~86 | 62~90/32~86 | |



**FLEX MOUNT
MULTI-ZONE**
20 SEER with Inverter
Low Ambient Temperature -22°F

With our low ambient temperature heating feature we can keep your customers or employees warm, even if the outside temperature drops as low as -22°F.



ALEGRIA Hi-HEAT
10 Year Warranty
Compressor



ALEGRIA Hi-HEAT
10 Year Warranty
Parts

INVERTER



ALEGRIA Hi-HEAT SERIES

ALEGRIA Hi-HEAT FLEX-MOUNT MULITI-ZONE systems offer the capability to heat or cool multiple living spaces independently with only 1 outdoor unit!

Plus with heating in low ambient temperatures as low as -22°F , we can keep everyone comfortable.

- Flexible design – allows for up to 4 indoor units.
- Choose from 4 different indoor evaporators – high-wall mount, cassette type and floor ceiling.
- Simple installation.
- All indoor units can be controlled individually.
- Connect 2 to 4 indoor units depending on capacity.
- Capacity up 54,000 BTU
- Energy Efficient – up to 22 SEER



MIX AND MATCH EVAPORATOR UNITS DEPENDING ON CAPACITY, WITH INDIVIDUAL ZONING FOR UP TO 4 ZONES DEPENDING ON THE OUTDOOR UNITS.

DUAL ZONE

CM2-18-2ZX DUAL ZONE

Mix & Match for 9,000 - 18,000 BTU/h
Heat Pump Inverter



TRI ZONE

CM3-27-3ZX TRI ZONE

Mix & Match for 9,000 - 24,000 BTU/h
Heat Pump Inverter



QUAD ZONE

CM4-48-4ZX QUAD ZONE

Mix & Match for 9,000 - 24,000 BTU/h
Heat Pump Inverter



Mix & match indoor units up to 4 zones depending on your needs, providing total flexibility.

| | Model No. | Type | Combination | Cooling Capacity | SEER | EER | HSPF |
|---------------|------------|------------|-------------|------------------|------|------|------|
| Hi Heat Model | CM2-18-2ZX | Non Ducted | 9+9 | 19000 | 21.5 | 12.5 | 9.8 |
| | | Ducted | 9+9 | 19000 | 18.0 | 11.0 | 9.8 |
| | | MIX | 9+9 | 19000 | 19.8 | 11.8 | 9.8 |
| | CM3-27-3ZX | Non Ducted | 9+9+9 | 28000 | 22 | 13 | 10.4 |
| | | Ducted | 9+9+9 | 28000 | 21.0 | 11.0 | 10.0 |
| | | MIX | 9+9+9 | 28000 | 21.5 | 12.0 | 10.2 |
| | CM4-36-4ZX | Non Ducted | 9+9+9+9 | 36000 | 21.5 | 13.5 | 10.5 |
| | | Ducted | 9+9+9+9 | 36000 | 19.0 | 11.3 | 11 |
| | | MIX | 9+9+9+9 | 36000 | 20.3 | 12.4 | 10.8 |

ALEGRIA Hi-HEAT series

Mix & Match flexibility up to 54+ combinations



High Wall Mounts

CXH009CD(I) · CXH012CD(I)
CXH018CD(I) · CXH024CD(I)

Outdoor Units

CM2-18-2ZX
CM3-27-3ZX
CM4-36-4ZX



Cassette Types
TPA-09 · TPA-12
TPA-18 · TPA-24



Fan Coils
CPA-09B · CPA-12B
CPA-18B · CPA-24B



Floor/Ceilings
FPA-18 · FPA-24



CM2-X series



Flex-Mount Non-Ducted Outdoor Models Heat Pump

Product specifications



| Indoor Type | | | NON DUCT | NON DUCT | NON DUCT |
|--|--|-------|-------------------|-------------------|-----------------------------|
| Outdoor Model No. | | | CM2-18-2ZX | CM3-27-3ZX | CM4-36-4ZX |
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling | Capacity | Btu/h | 19000 | 28000 | 36000 |
| | EER | Btu | 12.5 | 13 | 13.5 |
| | SEER | | 21.5 | 22 | 21.5 |
| Heating at 47°F | Capacity | Btu/h | 20000 | 28000 | 36000 |
| | COP | W/W | 3.4 | 3.5 | 3.8 |
| | HSPF4 | | 9.8 | 10.4 | 10.5 |
| | HSPF5 | | 8.5 | 9 | 8.5 |
| Outdoor air flow | | m3/h | 3619 | 3619 | 7646 |
| Outdoor air flow | | CFM | 2130 | 2130 | 4500 |
| Outdoor noise level | | dB(A) | 63.4 | 62.3 | 64 |
| Outdoor unit | Dimension(W*D*H) | inch | 37.24x16.14x31.89 | 37.24x16.14x31.89 | 37.48x16.34x52.48 |
| | Packing (W*D*H) | inch | 42.91x19.69x34.45 | 42.91x19.69x34.45 | 43.11x19.49x58.27 |
| | Net/Gross weight | lbs. | 149.91/160.94 | 156.53/167.55 | 223.77/255.07 |
| Refrigerant type | | oz | R410A/98.8 | R410A/105.8 | R410A/162.3 |
| Refrigerant precharge(Total pipe length) | | ft | 25 | 25 | 25 |
| Additional charge for each ft | | oz | 0.161 | 0.161 | 0.32 |
| Design pressure | | PSIG | 550/340 | 550/340 | 550/340 |
| Refrigerant piping | Liquid side/ Gas side | inch | (1/4", 3/8") *2 | (1/4", 3/8") *3 | (1/4",3/8")*3+(1/4",1/2")*1 |
| | Max. length for all rooms | ft | 197 | 262 | 262 |
| | Max. length for one indoor unit | ft | 98 | 115 | 115 |
| | Max. height difference between indoor and outdoor unit | ft | 49 | 49 | 49 |
| | Max. height difference between indoor units | ft | 33 | 33 | 33 |
| Ambient temperature | Cooling | °F | -22~122 | -22~122 | -22~122 |
| | Heating | °F | -22~86 | -22~86 | -22~86 |

CM2-X series

Flex-Mount Ducted
Outdoor Models
Heat Pump

Product specifications



| Indoor Type | | | DUCT | DUCT | DUCT |
|--|--|-------|-------------------|-------------------|-----------------------------|
| Outdoor Model No. | | | CM2-18-2ZX | CM3-27-3ZX | CM4-36-4ZX |
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling | Capacity | Btu/h | 18000 | 28000 | 36000 |
| | EER | Btu | 11.0 | 11.0 | 11.3 |
| | SEER | | 18.0 | 21.0 | 19.0 |
| Heating at 47°F | Capacity | Btu/h | 19000 | 28500 | 37000 |
| | COP | W/W | 3.48 | 3.63 | 3.74 |
| | HSPF4 | | 9.8 | 10.0 | 11 |
| | HSPF5 | | 8.4 | 8.0 | 9.3 |
| Outdoor air flow | | m3/h | 3619 | 3619 | 7646 |
| Outdoor air flow | | CFM | 2130 | 2130 | 4500 |
| Outdoor noise level | | dB(A) | 63.4 | 62.3 | 64 |
| Outdoor unit | Dimension(W*D*H) | inch | 37.24x16.14x31.89 | 37.24x16.14x31.89 | 37.48x16.34x52.48 |
| | Packing (W*D*H) | inch | 42.91x19.69x34.45 | 42.91x19.69x34.06 | 43.11x19.49x58.27 |
| | Net/Gross weight | lbs. | 149.91/160.94 | 156.53/167.55 | 223.77/255.07 |
| Refrigerant type | | oz | R410A/98.8 | R410A/105.8 | R410A/162.3 |
| Refrigerant precharge(Total pipe length) | | ft | 25 | 25 | 25 |
| Additional charge for each ft | | oz | 0.161 | 0.161 | 0.32 |
| Design pressure | | PSIG | 550/340 | 550/340 | 550/340 |
| Refrigerant piping | Liquid side/ Gas side | inch | (1/4", 3/8") *2 | (1/4", 3/8") *3 | (1/4",3/8")*3+(1/4",1/2")*1 |
| | Max. length for all rooms | ft | 197 | 262 | 262 |
| | Max. length for one indoor unit | ft | 98 | 115 | 115 |
| | Max. height difference between indoor and outdoor unit | ft | 49 | 49 | 49 |
| | Max. height difference between indoor units | ft | 33 | 33 | 33 |
| Ambient temperature | Cooling | °F | -22~122 | -22~122 | -22~122 |
| | Heating | °F | -22~86 | -22~86 | -22~86 |

CXH series

Flex-Mount High Wall Mount

Product specifications



Flex-Mount Multi-Zone Combinations

| Indoor Model No. | | | CXH009CD(I) | CXH012CD(I) | CXH018CD(I) | CXH024CD(I) |
|-------------------------------|-------------------|-------|-------------------|-------------------|-------------------|-------------------|
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling Capacity | | Btu/h | 9000 | 12000 | 18000 | 24000 |
| Heating Capacity | | Btu/h | 9800 | 12000 | 18000 | 25000 |
| Indoor air flow (Hi/Mi/Lo) | | CFM | 340/260/205 | 340/260/205 | 595/460/355 | 775/715/585 |
| Indoor noise level (Hi/Mi/Lo) | | dB(A) | 43.3/36.2/29.1 | 43/36.2/29.3 | 46.6/38.6/30.5 | 50/44.7/39.4 |
| Indoor unit | Dimension (WxDxH) | inch | 32.87x7.80x11.02 | 32.87x7.80x11.02 | 38.98x8.58x12.40 | 46.69x10.16x13.39 |
| | Packing (WxDxH) | inch | 35.83x10.63x13.98 | 35.83x10.63x13.98 | 41.93x11.81x15.75 | 49.80x16.53x13.39 |
| | Net/Gross weight | lbs. | 19.8/25.4 | 19.8/25.4 | 26.9/34.8 | 40.1/50.3 |
| Controller | | | Remote Control | Remote Control | Remote Control | Remote Control |
| Room temperature | Cooling | °F | 62~90 | 62~90 | 62~90 | 62~90 |
| | Heating | °F | 32~86 | 32~86 | 32~86 | 32~86 |

CPA series

Flex-Mount Fan Coil

Product specifications



Flex-Mount Multi-Zone Combinations

| Indoor Type | | | DUCTED | | | |
|---------------------------------------|-------------------------|--------|-------------------|-------------------|-------------------|-----------------|
| Indoor Model No. | | | CPA-09B | CPA-12B | CPA-18B | CPA-24B |
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz |
| Cooling Capacity | | Btu/h | 9000 | 12000 | 18000 | 24000 |
| Heating Capacity | | Btu/h | 10000 | 12000 | 18000 | 24400 |
| Indoor air flow (Hi/Med/Lo) (No duct) | | CFM | 353/283/177 | 353/283/177 | 530/450/371 | 776/694/435 |
| ESP | Range | Pa | 0-40 | 0-40 | 0-100 | 0-160 |
| | Range | In. WG | 0--0.16 | 0--0.16 | 0-0.40 | 0-0.64 |
| Indoor noise level (Hi/Med/Lo) | | dB(A) | 38/25/32 | 38/26/33.5 | 39/37/35 | 44/--/-- |
| Indoor unit | Dimension (WxDxH)(body) | inch | 27.56x17.72x7.87 | 27.56x17.72x7.87 | 34.65x28.53x8.27 | 43x30x10 |
| | Packing (WxDxH)(body) | inch | 33.86x21.26x10.83 | 33.86x21.26x10.83 | 42.13x28.53x10.63 | 51x32x12 |
| | Net/Gross weight(body) | lbs. | 37.5/48.3 | 37.5/48.3 | 54/66 | 87/103 |
| Design pressure | | PSIG | 550/340 | 550/340 | 550/340 | 550/340 |
| Drainage water pipe diameter | | Inch | OD Φ1" | OD Φ1" | OD Φ1" | OD Φ1" |
| Refrigerant piping | Liquid side/ Gas side | Inch | 1/4"/3/8" | 1/4"/1/2" | 1/4"/1/2" | 3/8"/5/8" |
| | | | | | | |
| Contoller | | | Remote Control | Remote Control | Remote Control | Remote Control |
| Room temperature | Cooling | °F | 62~90 | 62~90 | 62~90 | 62~90 |
| | Heating | °F | 32~86 | 32~86 | 32~86 | 32~86 |



FPA series

Flex-Mount Floor/Ceiling

Product specifications



Flex-Mount Multi-Zone Combinations

| Indoor Type | | Floor/Ceiling | | |
|---------------------------------------|--------------------------|-----------------|-------------------|-------------------|
| Indoor Model No. | | FPA-18 | FPA-24 | |
| Power supply | | 208-230V-1-60Hz | | 208-230V-1-60Hz |
| Cooling Capacity | Btu/h | 18000 | 24000 | |
| Heating Capacity | Btu/h | 18000 | 24000 | |
| Indoor air flow (Hi/Med/Lo) (No duct) | | CFM | 666/595/525 | 880/770/650 |
| ESP | Range | Pa | / | / |
| | Range | In. WG | / | / |
| "Indoor noise level (Hi/Med/Lo) | | dB(A) | 47/44/39 | 58.5/55/52 |
| (Standard pressure)" | | dB(A) | 47/44/39 | 58.5/55/52 |
| Indoor Unit | Dimension (WxDxH)(body) | inch | 42.05x26.57x9.25 | 42.05x26.57x9.25 |
| | Packing (WxDxH)(body) | inch | 45.08x29.72x12.32 | 45.08x29.72x12.32 |
| | Net/Gross weight(body) | lbs. | 55.12/65.48 | 55.12/66.14 |
| Design pressure | | PSIG | 550/340 | 550/340 |
| Drainage water pipe diameter | | Inch | OD Φ1" | OD Φ1" |
| Refrigerant piping | Liquid side/ Gas side | Inch | 1/4"/1/2" | 1/4"/1/2" |
| Controller | | | Remote Control | Remote Control |
| Room temperature | Cooling | °F | 62~90 | 62~90 |
| | Heating | °F | 32~86 | 32~86 |

TPA series



Flex-Mount Cassette Type

Heat Pump

9,000 - 24,000 Btu/h

Product specifications



Flex-Mount Multi-Zone Combinations

| Indoor Type | | | Cassette | | | | |
|--|---------------------------|-------|-----------------|-------------------|-------------------|-------------------|------------------|
| Indoor Model No. | | | TPA-09 | TPA-12 | TPA-18 | TPA-24 | |
| Power supply | | | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | 208-230V-1-60Hz | |
| Cooling Capacity | | Btu/h | 9000 | 12000 | 18000 | 24000 | |
| Heating Capacity | | Btu/h | 10000 | 12000 | 18000 | 24400 | |
| Indoor air flow (Hi/Med/Lo) (No duct) | | CFM | 353/306/271 | 338288/248 | 562/485/439 | 820/740/590 | |
| "Indoor noise level (Hi/Med/Lo) (Standard pressure)" | | dB(A) | 47/44/39 | 58.5/55/52 | 46/43/41 | 51/47/43 | |
| Indoor unit | Dimension (WxDxH)(body) | | inch | 22.44x22.44x10.24 | 22.44x22.44x10.24 | 22.44x22.44x10.24 | 33.07x33.07x8.07 |
| | Packing (WxDxH) (body) | | inch | 25.79x25.79x11.42 | 25.79x25.79x11.42 | 25.79x25.79x11.42 | 35.43x35.43x8.86 |
| | Dimension (WxDxH) (panel) | | inch | 25.47x25.47x1.97 | 25.47x25.47x1.97 | 25.47x25.47x1.97 | 37.4x37.4x2.17 |
| | Packing (WxDxH)(panel) | | inch | 28.15x28.15x4.84 | 28.15x28.15x4.84 | 28.15x28.15x4.84 | 40.75x40.75x3.54 |
| | Net/Gross weight (body) | | lbs. | 35.27/41.88 | 35.27/41.88 | 39.68/46.3 | 45.19/52.91 |
| | Net/Gross weight (panel) | | lbs. | 5.51/9.92 | 5.51/9.92 | 5.51/9.92 | 11.02/17.64 |
| Design pressure | | PSIG | 550/340 | 550/340 | 550/340 | 550/340 | |
| Drainage water pipe diameter | | Inch | OD Φ1" | OD Φ1" | OD Φ1" | OD Φ1"-1/4" | |
| Refrigerant piping | Liquid side/ Gas side | Inch | 1/4"/3/8" | 1/4"/1/2" | 1/4"/1/2" | 3/8"/5/8" | |
| Controller | | | Remote Control | Remote Control | Remote Control | Remote Control | |
| Room temperature | Cooling | °F | 62~90 | 62~90 | 62~90 | 62~90 | |
| | Heating | °F | 32~86 | 32~86 | 32~86 | 32~86 | |

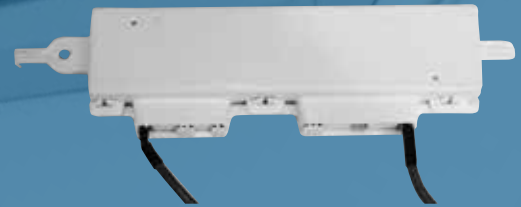
Adapters and Remote Controls

A7 Adapter

Communication board for CPP

- Requires control AWC-CC and Adapter wire A8.

A7



A8 Adapter

Daisy chain connecting for high-wall unit 32'/10 meters

- Requires control AWC-CC and Adapter A7.

A8



A9



A9 Adapter

Display board wire 6.5'

- For Fan Coil model CPA for extension purpose.

ARC-88

Standard Remote on all models, except CPA

- Wireless Remote Control
- Transmission Indicator
- Temp °C/F/Timer display
- Fan speed display
- Silence display
- Sleep display
- Mode display
- ON/OFF display
- Lock display
- FOLLOW ME display



AWC-2

Standard Remote on 2018: CPG, CPP & CXH

- Wired non-programmable controller
- Simple wired control
- Transmission Indicator
- Temp °C/F/Timer display
- Fan speed display
- Silence display
- Sleep display
- Mode display
- ON/OFF display
- Lock display



AWC-CC Central Control

Standard Connectivity for CPA, TPA & FPA

Requires adapter A7 for CPP & CXH

Requires adapter A7 and replaces the display board for CXH

- Programmable wire controller
- Up to 64 unit capability
- Transmission Indicator
- Temp °C/F/Timer display
- Fan speed display
- Silence display
- Sleep display
- Mode display
- ON/OFF display
- Lock display



AWC-LC

Standard Connectivity for CPA, TPA & FPA

AWC-3 Remote

Requires adapter A7 for CPP & CXH

Requires adapter A7 and replaces the display board for CXH

- Programmable wire controller
- Transmission Indicator
- Temp °C/F/Timer display
- Fan speed display
- Lock display
- Silence display
- Sleep display
- Mode display
- ON/OFF display





INVERTER

24V INVERTER Kit

Part no: UIK-24

Features:

- Connects any ComfortStar condensing unit (Gold or Platinum Series HP only) with any air handler, gas furnace or fan coil
- You can use any brand of 24volt thermostat including Wi-Fi
- Easy to install
- No additional tools required
- Allows you to have in stock a general replacement side discharge unit from 9,000Btu to 60,000Btu

Benefits:

- Full Line of Side Discharge General Replacement INVERTER Condensing Unit.
- Low noise from 56dba to 72dba on 60k Units
- 50% less footprint space than a Conventional Condensing Unit
- Smaller Mounting Pad
- Keeps the temperature differential as low as 1/2 °F
- Saves Energy
- Increases Comfort

Comfort... It's in our name

How it works!



CPP UNIT



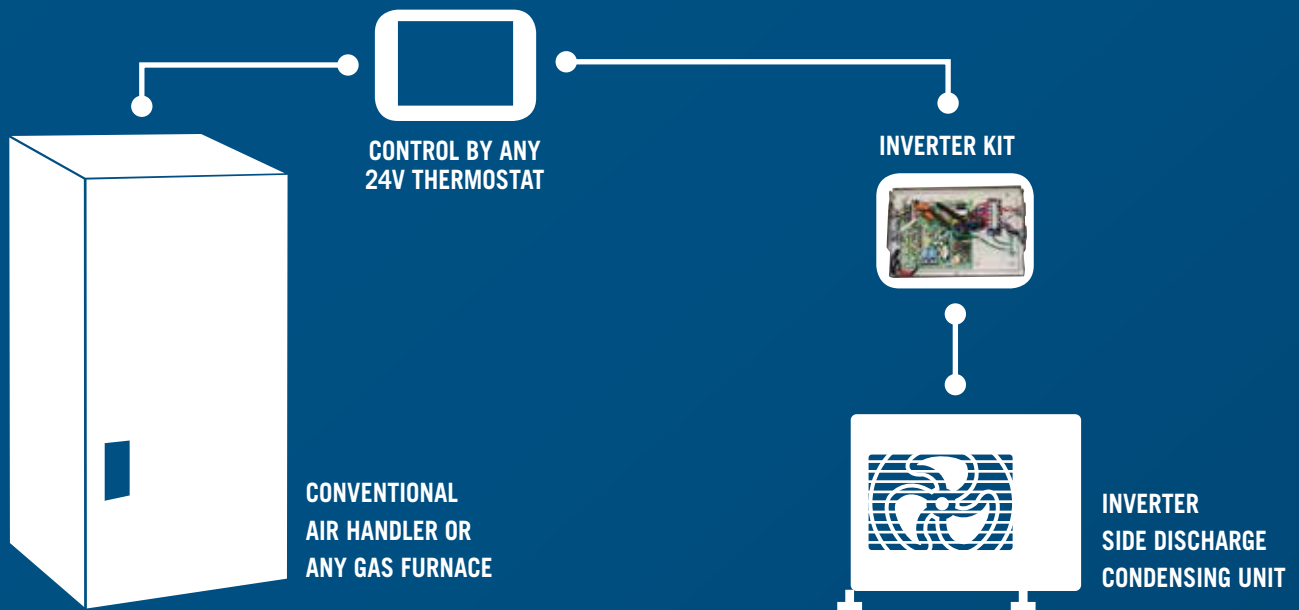
INVERTER KIT



**A SIDE DISCHARGE
GENERAL REPLACEMENT
CONDENSING UNIT**

| GOLD Series Outdoor Model No. | | | PLATINUM Series Outdoor Model No. | | |
|-------------------------------|---------------|-------------|-----------------------------------|---------------|----------------|
| CPG009CA(O)-B | CPG012CD(O)-B | CPG030CD(O) | CPP009CA(O)-B | CPP012CD(O)-B | CPP036CD(O)-DU |
| CPG012CA(O)-B | CPG018CD(O)-B | CPG036CD(O) | CPP012CA(O)-B | CPP018CD(O)-B | CPP048CD(O)-DU |
| CPG009CD(O)-B | CPG024CD(O)-B | | CPP009CD(O)-B | CPP024CD(O)-B | CPP060CD(O)-DU |

Easy Installation



Specs at a Glance

CIM COOLING ONLY MODELS

| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Min. Power Supply Wire Size (AWG) | Min. Inter-Connecting Wire Size (AWG) | Breaker Size (A) | Piping Sizes (in) | Max. Allowable Piping Length (ft) | Min. recommended Elev. Diff. (ft) | Max. Allowable Elevation Difference(ft) |
|------------------------------|-------------------------------|-----------------------------------|---------------------------------------|------------------|-------------------|-----------------------------------|-----------------------------------|---|
| CIM12CA(I) | CIM12CA(O) | 12*3 | 16*4, Stranded | 20 | 1/4", /1/2" | 82 | 12 | 33 |
| CIM09CD(I) | CIM09CD(O) | 12*3 | 16*4, Stranded | 15 | 1/4", /3/8" | 82 | 12 | 33 |
| CIM12CD(I) | CIM12CD(O) | 12*3 | 16*4, Stranded | 15 | 1/4", /1/2" | 82 | 12 | 33 |
| CIM18CD(I) | CIM18CD(O) | 12*3 | 16*4, Stranded | 20 | 1/4", /1/2" | 98 | 12 | 66 |
| CIM24CD(I) | CIM24CD(O) | 12*3 | 16*4, Stranded | 25 | 3/8", /5/8" | 164 | 12 | 82 |

GOLD HI WALL MODEL - CPG

| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Min. Power Supply Wire Size (AWG) | Min. Inter-Connecting Wire Size (AWG) | Breaker Size (A) | Piping Sizes (in) | Max. Allowable Piping Length (ft) | Min. recommended Elev. Diff. (ft) | Max. Allowable Elevation Difference(ft) |
|------------------------------|-------------------------------|-----------------------------------|---------------------------------------|------------------|-------------------|-----------------------------------|-----------------------------------|---|
| CPG009CA(I)-B | CPG009CA(O)-B | 12*3 | 16*4, Stranded | 20 | 1/4", /3/8" | 82 | 12 | 33 |
| CPG012CA(I)-B | CPG012CA(O)-B | 12*3 | 16*4, Stranded | 20 | 1/4", /1/2" | 82 | 12 | 33 |
| CPG009CD(I)-B | CPG009CD(O)-B | 12*3 | 16*4, Stranded | 15 | 1/4", /3/8" | 82 | 12 | 33 |
| CPG012CD(I)-B | CPG012CD(O)-B | 12*3 | 16*4, Stranded | 15 | 1/4", /1/2" | 82 | 12 | 33 |
| CPG018CD(I)-B | CPG018CD(O)-B | 12*3 | 16*4, Stranded | 20 | 1/4", /1/2" | 98 | 12 | 66 |
| CPG024CD(I)-B | CPG024CD(O)-B | 12*3 | 16*4, Stranded | 25 | 3/8", /5/8" | 164 | 12 | 82 |
| CPG030CD(I) | CPG030CD(O) | 12*3 | 16*4, Stranded | 30 | 3/8", /5/8" | 164 | 12 | 82 |
| CPG036CD(I) | CPG036CD(O) | 12*3 | 16*4, Stranded | 35 | 3/8", /5/8" | 213 | 12 | 98 |

SINGLE ZONE WALL MOUNTED

| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Min. Power Supply Wire Size (AWG) | Min. Inter-Connecting Wire Size (AWG) | Breaker Size (A) | Piping Sizes (in) | Max. Allowable Piping Length (ft) | Min. recommended Elev. Diff. (ft) | Max. Allowable Elevation Difference(ft) |
|------------------------------|-------------------------------|-----------------------------------|---------------------------------------|------------------|-------------------|-----------------------------------|-----------------------------------|---|
| CXH009CA(I) | CPP09CA(O)-B | 12*3 | 16*4, Stranded | 20 | 1/4", 3/8" | 82 | 12 | 33 |
| CXH012CA(I) | CPP12CA(O)-B | 12*3 | 16*4, Stranded | 20 | 1/4", 1/2" | 82 | 12 | 33 |
| CXH009CD(I) | CPP009CD(O) | 12*3 | 16*4, Stranded | 15 | 1/4", 3/8" | 82 | 12 | 33 |
| CXH012CD(I) | CPP012CD(O) | 12*3 | 16*4, Stranded | 15 | 1/4", 1/2" | 82 | 12 | 33 |
| CXH018CD(I) | CPP018CD(O) | 12*3 | 16*4, Stranded | 20 | 1/4", 1/2" | 98 | 12 | 66 |
| CXH024CD(I) | CPP024CD(O) | 12*3 | 16*4, Stranded | 25 | 3/8", 5/8" | 164 | 12 | 82 |

FLOOR/CEILING FPA

| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Min. Power Supply Wire Size (AWG) | Min. Inter-Connecting Wire Size (AWG) | Breaker Size (A) | Piping Sizes (in) | Max. Allowable Piping Length (ft) | Min. recommended Elev. Diff. (ft) | Max. Allowable Elevation Difference(ft) |
|------------------------------|-------------------------------|-----------------------------------|---------------------------------------|------------------|-------------------|-----------------------------------|-----------------------------------|---|
| FPA-18 | CPP018CD(O) | 12*3 | 16*4, Stranded | 15.0 | 1/4", 1/2" | 98 | 12 | 66 |
| FPA-24 | CPP024CD(O) | 12*3 | 16*4, Stranded | 18.0 | 3/8", 5/8" | 164 | 12 | 82 |
| FPA-36DU | CPP036CD(O)-DU | 12*3 | 16*3, Stranded+22*2 Shielded | 30.0 | 3/8", 5/8" | 213 | 12 | 98 |
| FPA-48DU | CPP048CD(O)-DU | 10*3 | | 35 | 3/8", 5/8" | 213 | 12 | 98 |
| FPA-60DU | CPP060CD(O)-DU | 10*3 | | 36 | 3/8", 3/4" | 213 | 12 | 98 |

SINGLE ZONE WALL MOUNTED

| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Min. Power Supply Wire Size (AWG) | Min. Inter-Connecting Wire Size (AWG) | Breaker Size (A) | Piping Sizes (in) | Max. Allowable Piping Length (ft) | Min. recommended Elev. Diff. (ft) | Max. Allowable Elevation Difference(ft) |
|------------------------------|-------------------------------|-----------------------------------|---------------------------------------|------------------|-------------------|-----------------------------------|-----------------------------------|---|
| TPA-09 | CPP009CD(O) | 12*3 | 16*4, Stranded | 10.0 | 1/4", 3/8" | 82 | 12 | 33 |
| TPA-12 | CPP012CD(O) | 12*3 | 16*4, Stranded | 12.0 | 1/4", 1/2" | 82 | 12 | 33 |
| TPA-18 | CPP018CD(O) | 12*3 | 16*4, Stranded | 15.0 | 1/4", 1/2" | 98 | 12 | 66 |
| TPA-24 | CPP024CD(O) | 12*3 | 16*4, Stranded | 18.0 | 3/8", 5/8" | 164 | 12 | 82 |
| TPA-36DU | CPP036CD(O)-DU | 12*3 | 16*3, Strand-ed+22*2 Shielded | 30.0 | 3/8", 5/8" | 213 | 12 | 98 |
| TPA-48DU | CPP048CD(O)-DU | 10*3 | | 35 | 3/8", 5/8" | 213 | 12 | 98 |

Specs at a Glance

| CIM Cooling Only Models | | | | | | | |
|------------------------------|-------------------------------|---------------------------------|--|---------------------|-------|------|------|
| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Factory Refrigerant Charge (ft) | Refrigerant Adjustment Factor (oz. per foot) | Drain Pipe Size(in) | SEER | EER | HSPF |
| CIM12CA(I) | CIM12CA(O) | 25 | 0.16 | 3/4" | 16.5 | 10.3 | NA |
| CIM09CD(I) | CIM09CD(O) | 25 | 0.16 | 3/4" | 19 | 11.0 | NA |
| CIM12CD(I) | CIM12CD(O) | 25 | 0.16 | 3/4" | 19 | 11.0 | NA |
| CIM18CD(I) | CIM18CD(O) | 25 | 0.16 | 3/4" | 20 | 11.1 | NA |
| CIM24CD(I) | CIM24CD(O) | 25 | 0.32 | 3/4" | 17 | 10.6 | NA |
| GOLD Hi Wall Model - CPG | | | | | | | |
| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Factory Refrigerant Charge (ft) | Refrigerant Adjustment Factor (oz. per foot) | Drain Pipe Size(in) | SEER | EER | HSPF |
| CPG009CA(I)-B | CPG009CA(O)-B | 25 | 0.16 | 3/4" | 19 | 11.5 | 10 |
| CPG012CA(I)-B | CPG012CA(O)-B | 25 | 0.16 | 3/4" | 19 | 10.5 | 9.5 |
| CPG009CD(I)-B | CPG009CD(O)-B | 25 | 0.16 | 3/4" | 19 | 11 | 9.5 |
| CPG012CD(I)-B | CPG012CD(O)-B | 25 | 0.16 | 3/4" | 19 | 11.1 | 9 |
| CPG018CD(I)-B | CPG018CD(O)-B | 25 | 0.16 | 3/4" | 19 | 11.1 | 9.5 |
| CPG024CD(I)-B | CPG024CD(O)-B | 25 | 0.32 | 3/4" | 17 | 9.6 | 9.5 |
| CPG030CD(I) | CPG030CD(O) | 25 | 0.32 | 3/4" | 18 | 10.5 | 9.6 |
| CPG036CD(I) | CPG036CD(O) | 25 | 0.32 | 3/4" | 16 | 8.5 | 10 |
| SINGLE ZONE WALL MOUNTED | | | | | | | |
| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Factory Refrigerant Charge (ft) | Refrigerant Adjustment Factor (oz. per foot) | Drain Pipe Size(in) | SEER | EER | HSPF |
| CXH009CA(I) | CPP09CA(O)-B | 25 | 0.16 | 3/4" | 24.5 | 15 | 11.2 |
| CXH012CA(I) | CPP12CA(O)-B | 25 | 0.16 | 3/4" | 22 | 13 | 10.2 |
| CXH009CD(I) | CPP009CD(O) | 25 | 0.16 | 3/4" | 23.5 | 14.9 | 10.8 |
| CXH012CD(I) | CPP012CD(O) | 25 | 0.16 | 3/4" | 22.7 | 13.7 | 11.0 |
| CXH018CD(I) | CPP018CD(O) | 25 | 0.16 | 3/4" | 21 | 13.0 | 10.4 |
| CXH024CD(I) | CPP024CD(O) | 25 | 0.32 | 3/4" | 20.7 | 13.7 | 11.5 |
| FLOOR/CEILING FPA | | | | | | | |
| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Factory Refrigerant Charge (ft) | Refrigerant Adjustment Factor (oz. per foot) | Drain Pipe Size(in) | SEER | EER | HSPF |
| FPA-18 | CPP018CD(O) | 25 | 0.16 | 3/4" | 20 | 12.5 | 10.5 |
| FPA-24 | CPP024CD(O) | 25 | 0.32 | 3/4" | 20 | 12.5 | 11 |
| FPA-36DU | CPP036CD(O)-DU | 25 | 0.32 | 3/4" | 16 | 8.0 | 10 |
| FPA-48DU | CPP048CD(O)-DU | 25 | 0.32 | 3/4" | 17.8 | 9.3 | 11 |
| FPA-60DU | CPP060CD(O)-DU | 25 | 0.32 | 3/4" | 18 | 9.8 | 10.5 |
| SINGLE ZONE WALL MOUNTED | | | | | | | |
| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Factory Refrigerant Charge (ft) | Refrigerant Adjustment Factor (oz. per foot) | Drain Pipe Size(in) | SEER | EER | HSPF |
| TPA-09 | CPP009CD(O) | 25 | 0.16 | 3/4" | 20 | 13 | 10.5 |
| TPA-12 | CPP012CD(O) | 25 | 0.16 | 3/4" | 21.50 | 14 | 10.5 |
| TPA-18 | CPP018CD(O) | 25 | 0.16 | 3/4" | 20 | 12.5 | 10.3 |
| TPA-24 | CPP024CD(O) | 25 | 0.32 | 1" | 20 | 12.5 | 10.5 |
| TPA-36DU | CPP036CD(O)-DU | 25 | 0.32 | 1" | 17.50 | 9 | 10.5 |
| TPA-48DU | CPP048CD(O)-DU | 25 | 0.32 | 1" | 16.80 | 9.5 | 11 |

Specs at a Glance

| FAN COIL - CPA | | | | | | | | |
|------------------------------|-------------------------------|-----------------------------------|---------------------------------------|------------------|-------------------|-----------------------------------|-----------------------------------|---|
| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Min. Power Supply Wire Size (AWG) | Min. Inter-Connecting Wire Size (AWG) | Breaker Size (A) | Piping Sizes (in) | Max. Allowable Piping Length (ft) | Min. recommended Elev. Diff. (ft) | Max. Allowable Elevation Difference(ft) |
| CPA-09B | CPP009CD(O) | 12*3 | 16*4, Stranded | 10.0 | 1/4", 3/8" | 82 | 12 | 33 |
| CPA-12B | CPP012CD(O) | 12*3 | 16*4, Stranded | 12.0 | 1/4", 1/2" | 82 | 12 | 33 |
| CPA-18B | CPP018CD(O) | 12*3 | 16*4, Stranded | 15.0 | 1/4", 1/2" | 98 | 12 | 66 |
| CPA-24B | CPP024CD(O) | 12*3 | 16*4, Stranded | 18.0 | 3/8", 5/8" | 164 | 12 | 82 |
| CPA-36DUB | CPP036CD(O)-DU | 12*3 | 16*3, Stranded+22*2 Shielded | 30.0 | 3/8", 5/8" | 213 | 12 | 98 |
| CPA-48DUB | CPP048CD(O)-DU | 10*3 | | 35 | 3/8", 5/8" | 213 | 12 | 98 |
| CPA-60DU | CPP060CD(O)-DU | 10*3 | | 36 | 3/8", 3/4" | 213 | 12 | 98 |

| Hi-HEAT • SINGLE ZONE WALL MOUNTED | | | | | | | | |
|------------------------------------|-------------------------------|-----------------------------------|---------------------------------------|------------------|-------------------|-----------------------------------|-----------------------------------|---|
| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Min. Power Supply Wire Size (AWG) | Min. Inter-Connecting Wire Size (AWG) | Breaker Size (A) | Piping Sizes (in) | Max. Allowable Piping Length (ft) | Min. recommended Elev. Diff. (ft) | Max. Allowable Elevation Difference(ft) |
| CXH009CD(I) | CXH09CD(O) | 12*3 | 16*4, Stranded | 15 | 1/4", 3/8" | 82 | 12 | 33 |
| CXH012CD(I) | CXH12CD(O) | 12*3 | 16*4, Stranded | 15 | 1/4", 1/2" | 82 | 12 | 33 |
| CXH018CD(I) | CXH18CD(O) | 12*3 | 16*4, Stranded | 25 | 1/4", 1/2" | 98 | 12 | 66 |
| CXH024CD(I) | CXH24CD(O) | 12*3 | 16*4, Stranded | 30 | 3/8", 5/8" | 164 | 12 | 82 |

| Hi-HEAT • FLOOR/CEILING | | | | | | | | |
|------------------------------|-------------------------------|-----------------------------------|---------------------------------------|------------------|-------------------|-----------------------------------|-----------------------------------|---|
| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Min. Power Supply Wire Size (AWG) | Min. Inter-Connecting Wire Size (AWG) | Breaker Size (A) | Piping Sizes (in) | Max. Allowable Piping Length (ft) | Min. recommended Elev. Diff. (ft) | Max. Allowable Elevation Difference(ft) |
| FPA-18 | CXH18CD(O) | 12*3 | 16*4, Stranded | 25 | 1/4", 1/2" | 98 | 12 | 66 |
| FPA-24 | CXH24CD(O) | 12*3 | 16*4, Stranded | 30 | 3/8", 5/8" | 164 | 12 | 82 |

| Hi-HEAT • SINGLE ZONE CASSETTE | | | | | | | | |
|--------------------------------|-------------------------------|-----------------------------------|---------------------------------------|------------------|-------------------|-----------------------------------|-----------------------------------|---|
| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Min. Power Supply Wire Size (AWG) | Min. Inter-Connecting Wire Size (AWG) | Breaker Size (A) | Piping Sizes (in) | Max. Allowable Piping Length (ft) | Min. recommended Elev. Diff. (ft) | Max. Allowable Elevation Difference(ft) |
| TPA-09 | CXH09CD(O) | 12*3 | 16*4, Stranded | 15 | 1/4", 3/8" | 82 | 12 | 33 |
| TPA-12 | CXH12CD(O) | 12*3 | 16*4, Stranded | 15 | 1/4", 1/2" | 82 | 12 | 33 |
| TPA-18 | CXH18CD(O) | 12*3 | 16*4, Stranded | 25 | 1/4", 1/2" | 98 | 12 | 66 |
| TPA-24 | CXH24CD(O) | 12*3 | 16*4, Stranded | 30 | 3/8", 5/8" | 164 | 12 | 82 |

| Hi-HEAT • SINGLE ZONE FAN COIL | | | | | | | | |
|--------------------------------|-------------------------------|-----------------------------------|---------------------------------------|------------------|-------------------|-----------------------------------|-----------------------------------|---|
| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Min. Power Supply Wire Size (AWG) | Min. Inter-Connecting Wire Size (AWG) | Breaker Size (A) | Piping Sizes (in) | Max. Allowable Piping Length (ft) | Min. recommended Elev. Diff. (ft) | Max. Allowable Elevation Difference(ft) |
| CPA-09B | CXH09CD(O) | 12*3 | 16*4, Stranded | 15 | 1/4", 3/8" | 82 | 12 | 33 |
| CPA-12B | CXH12CD(O) | 12*3 | 16*4, Stranded | 15 | 1/4", 1/2" | 82 | 12 | 33 |
| CPA-18B | CXH18CD(O) | 12*3 | 16*4, Stranded | 25 | 1/4", 1/2" | 98 | 12 | 66 |
| CPA-24B | CXH24CD(O) | 12*3 | 16*4, Stranded | 30 | 3/8", 5/8" | 164 | 12 | 82 |

| MULTI-ZONE | | | | | | | | |
|---------------|-------------------------------|-----------------------------------|---------------------------------------|------------------|-------------------------------|-----------------------------------|-----------------------------------|--|
| | ComfortStar Outdoor Model No. | Min. Power Supply Wire Size (AWG) | Min. Inter-Connecting Wire Size (AWG) | Breaker Size (A) | Piping Sizes (in) | Max. Allowable Piping Length (ft) | Min. recommended Elev. Diff. (ft) | Max. Allowable Elevation Difference(ft) |
| Regular model | CM2-18-2Z | 12*3 | 16*4, Stranded | 25.0 | (1/4"/3/8")*2 | 66 for 1 IDU 98 for sum up | 9 | 1) 33 for ODU higher than IDU 2) 49 for ODU lower than IDU 3) 33 between IDU and IDU |
| | CM3-27-3Z | 12*3 | 16*4, Stranded | 35.0 | (1/4"/3/8")*3 | 82 for 1 IDU for 148 sum up | 9 | |
| | CM4-48-4Z | 10*3 | 16*4, Stranded | 45.0 | (1/4"/3/8")*3 & (1/4"/1/2")*1 | 98 for 1 IDU 197 for sum up | 9 | |
| | CM5-54-5Z | 10*3 | 16*4, Stranded | 50.0 | (1/4"/3/8")*3 & (1/4"/1/2")*2 | 98 for 1 IDU 246 for sum up | 9 | |

| | | | | | | | | |
|---------------|------------|------|----------------|------|-------------------------------|-----------------------------|---|--|
| Hi Heat Model | CM2-18-2ZX | 12*3 | 16*4, Stranded | 35.0 | (1/4"/3/8")*2 | 82 for 1 IDU for 148 sum up | 9 | 1) 33 for ODU higher than IDU 2) 49 for ODU lower than IDU 3) 33 between IDU and IDU |
| | CM3-27-3ZX | 10*3 | 16*4, Stranded | 45.0 | (1/4"/3/8")*2 & (1/4"/1/2")*1 | 98 for 1 IDU 197 for sum up | 9 | |
| | CM4-36-4ZX | 10*3 | 16*4, Stranded | 50.0 | (1/4"/3/8")*2 & (1/4"/1/2")*2 | 98 for 1 IDU 246 for sum up | 9 | |

Specs at a Glance

| FAN COIL - CPA | | | | | | | |
|------------------------------|-------------------------------|---------------------------------|--|---------------------|------|------|------|
| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Factory Refrigerant Charge (ft) | Refrigerant Adjustment Factor (oz. per foot) | Drain Pipe Size(in) | SEER | EER | HSPF |
| CPA-09B | CPP009CD(O) | 25 | 0.16 | 3/4" | 20.5 | 13.5 | 11.5 |
| CPA-12B | CPP012CD(O) | 25 | 0.16 | 3/4" | 21.5 | 12.5 | 11.5 |
| CPA-18B | CPP018CD(O) | 25 | 0.16 | 3/4" | 19 | 12.5 | 10.5 |
| CPA-24B | CPP024CD(O) | 25 | 0.32 | 3/4" | 21 | 12.5 | 11 |
| CPA-36DUB | CPP036CD(O)-DU | 25 | 0.32 | 3/4" | 16.5 | 9 | 11.5 |
| CPA-48DUB | CPP048CD(O)-DU | 25 | 0.32 | 3/4" | 17.4 | 9.2 | 10.3 |
| CPA-60DU | CPP060CD(O)-DU | 25 | 0.32 | 3/4" | 18 | 10 | 9.0 |

| Hi-HEAT • SINGLE ZONE WALL MOUNTED | | | | | | | |
|------------------------------------|-------------------------------|---------------------------------|--|---------------------|------|------|------|
| ComfortStar Indoor Model No. | ComfortStar Outdoor Model No. | Factory Refrigerant Charge (ft) | Refrigerant Adjustment Factor (oz. per foot) | Drain Pipe Size(in) | SEER | EER | HSPF |
| CXH009CD(I) | CXH09CD(O) | 25 | 0.16 | 3/4" | 25 | 14.5 | 11.2 |
| CXH012CD(I) | CXH12CD(O) | 25 | 0.16 | 3/4" | 22.5 | 13 | 12 |
| CXH018CD(I) | CXH18CD(O) | 25 | 0.16 | 3/4" | 20 | 12.5 | 10.3 |
| CXH024CD(I) | CXH24CD(O) | 25 | 0.32 | 3/4" | 20.5 | 13 | 11.5 |

| Hi-HEAT • FLOOR/CEILING | | | | | | | |
|-------------------------|-------------------|---------------------------------|--|---------------------|------|------|------|
| Model No. | Outdoor Model No. | Factory Refrigerant Charge (ft) | Refrigerant Adjustment Factor (oz. per foot) | Drain Pipe Size(in) | SEER | EER | HSPF |
| FPA-18 | CXH18CD(O) | 25 | 0.16 | 3/4" | 19.9 | 12.5 | 10.6 |
| FPA-24 | CXH24CD(O) | 25 | 0.32 | 3/4" | 20 | 11.5 | 11.5 |

| Hi-HEAT • SINGLE ZONE CASSETTE | | | | | | | |
|--------------------------------|-------------------|---------------------------------|--|---------------------|------|------|------|
| Model No. | Outdoor Model No. | Factory Refrigerant Charge (ft) | Refrigerant Adjustment Factor (oz. per foot) | Drain Pipe Size(in) | SEER | EER | HSPF |
| TPA-09 | CXH09CD(O) | 25 | 0.16 | 3/4" | 20 | 13.0 | 10.8 |
| TPA-12 | CXH12CD(O) | 25 | 0.16 | 3/4" | 19.5 | 12.5 | 10.6 |
| TPA-18 | CXH18CD(O) | 25 | 0.16 | 3/4" | 20 | 12.5 | 10.5 |
| TPA-24 | CXH24CD(O) | 25 | 0.32 | 3/4" | 20 | 11 | 11.5 |

| Hi-HEAT • SINGLE ZONE FAN COIL | | | | | | | |
|--------------------------------|-------------------|---------------------------------|--|---------------------|------|------|------|
| Model No. | Outdoor Model No. | Factory Refrigerant Charge (ft) | Refrigerant Adjustment Factor (oz. per foot) | Drain Pipe Size(in) | SEER | EER | HSPF |
| CPA-09B | CXH09CD(O) | 25 | 0.16 | 3/4" | 23 | 13.5 | 12 |
| CPA-12B | CXH12CD(O) | 25 | 0.16 | 3/4" | 20.5 | 12.5 | 11 |
| CPA-18B | CXH18CD(O) | 25 | 0.16 | 3/4" | 19.6 | 12.5 | 11 |
| CPA-24B | CXH24CD(O) | 25 | 0.32 | 3/4" | 20.5 | 12.5 | 12.5 |

| MULTI-ZONE | | | | | | | | | |
|------------------------------------|---------------------------------|--|---------------------|-----------------|----------------|-----------------|-------------|------------|-------------|
| ComfortStar Outdoor unit Model No. | Factory Refrigerant Charge (ft) | Refrigerant Adjustment Factor (oz. per foot) | Drain Pipe Size(in) | SEER non-ducted | EER non-ducted | HSPF non-ducted | SEER ducted | EER ducted | HSPF ducted |
| CM2-18-2Z | 25*2 | 0.16 | refer IDU | 22.5 | 12.5 | 10.3 | 18.5 | 11.8 | 10 |
| CM3-27-3Z | 25*3 | 0.16 | refer IDU | 23 | 12.5 | 10.3 | 21 | 11 | 10 |
| CM4-48-4Z | 25*4 | 0.16 | refer IDU | 22.5 | 11.5 | 10.2 | 21 | 10 | 10 |
| CM5-54-5Z | 25*5 | 0.16 | refer IDU | 22.4 | 12.5 | 10.2 | 20.5 | 10.1 | 11.5 |
| CM2-18-2ZX | 25*2 | 0.16 | refer IDU | 21.5 | 12.5 | 9.8 | 18.0 | 11.0 | 9.8 |
| CM3-27-3ZX | 25*3 | 0.16 | refer IDU | 22 | 13 | 10.4 | 21.0 | 11.0 | 10.0 |
| CM4-36-4ZX | 25*4 | 0.16 | refer IDU | 21.5 | 13.5 | 10.5 | 19.0 | 11.3 | 11 |

ComfortStar®



2019 PRODUCT CATALOG

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