

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

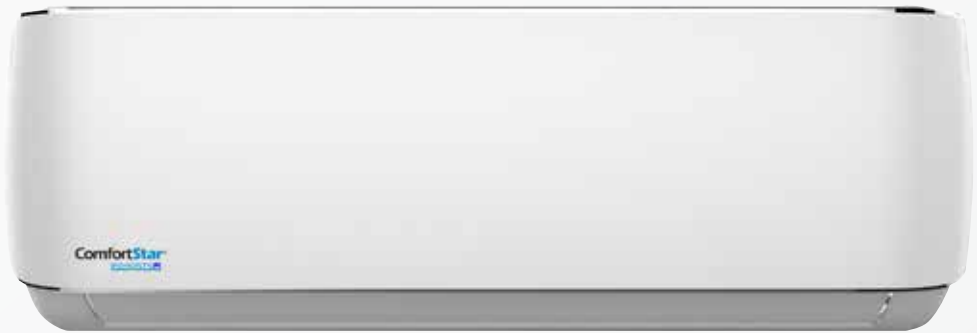
ALEGRIA GOLD SERIES



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.

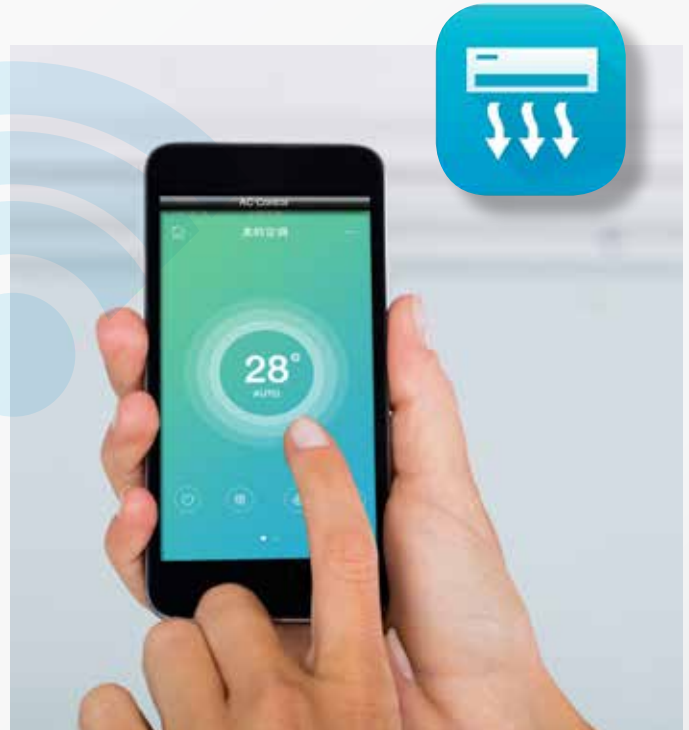


WIFI Control

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]

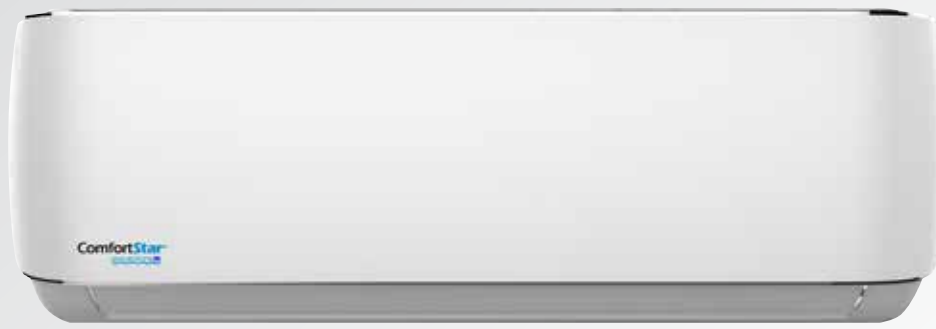
easy install for residential and small commercial applications

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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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



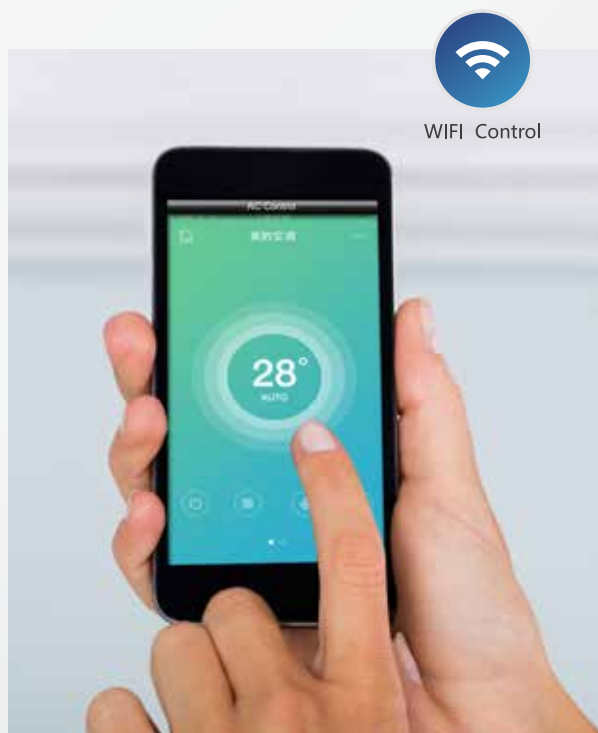
NetHome Plus App

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





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	37.24/16.14/31.89
	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. refrig. 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



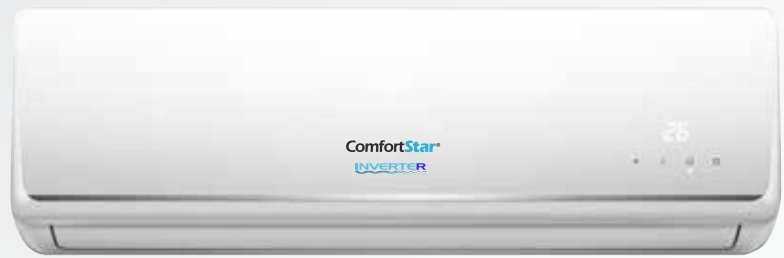
Outdoor Model No.			CPP036CD(O)-DU	CPP048CD(O)-DU	CPP060CD(O)-DU
Power supply			208-230V-1-60Hz	208-230V-1-60Hz	208-230V-1-60Hz
Max. fuse	A		50	50	50
Minimum circuit Ampacity	A		30	35	36
Outdoor air flow (Max.)	CFM		2530	4470	4414
Outdoor noise level	dB(A)		65.0	63.0	64.0
Outdoor unit	inch		37.24x16.14x31.89	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	62-90
	Heating	°F	32-86	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

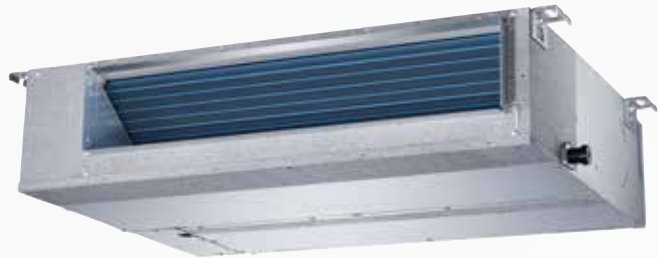


Flex-Mount
High Wall Mount

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 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

Regular model	Model No.	Type	Combination	Cooling Capacity	SEER	EER	HSPF
	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

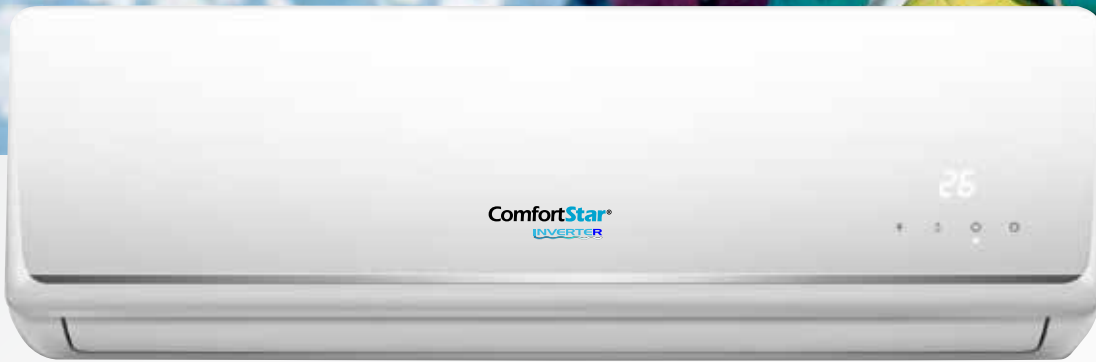
High Efficiency
up to 25 SEER
Low Ambient
-22°F

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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

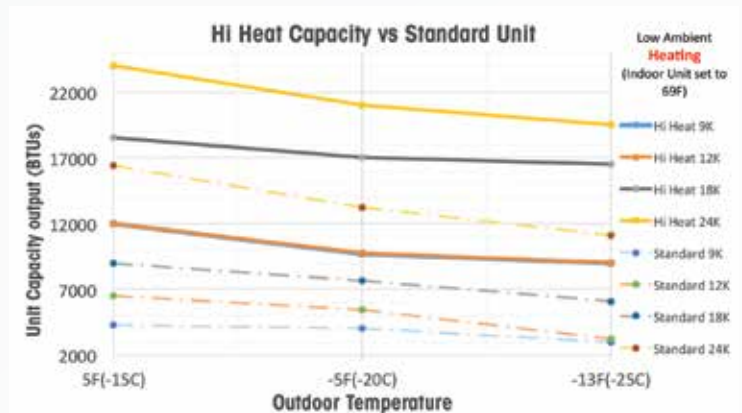
Capacity output is significantly higher than traditional units.

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

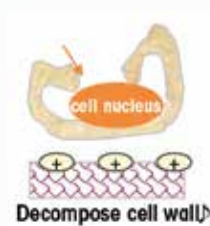
- Clean the filter with water or vacuum every one/two months.
- Filter has a 10 year life span.



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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



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

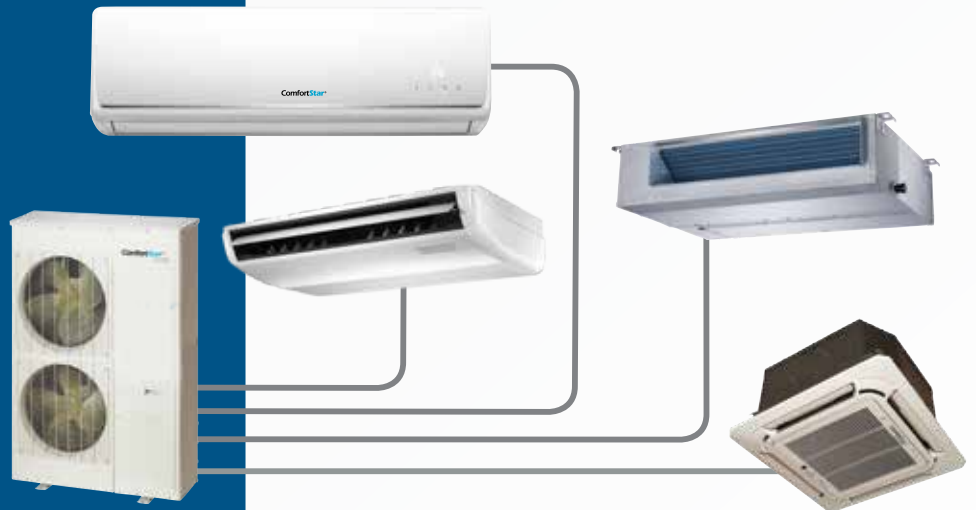
Mix & Match for 9,000 - 24,000 BTU/h
Heat Pump Inverter



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	338/288/248	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	

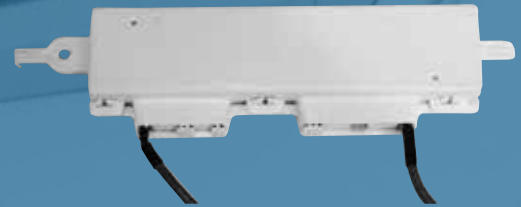
Adapters and Remote Controls

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



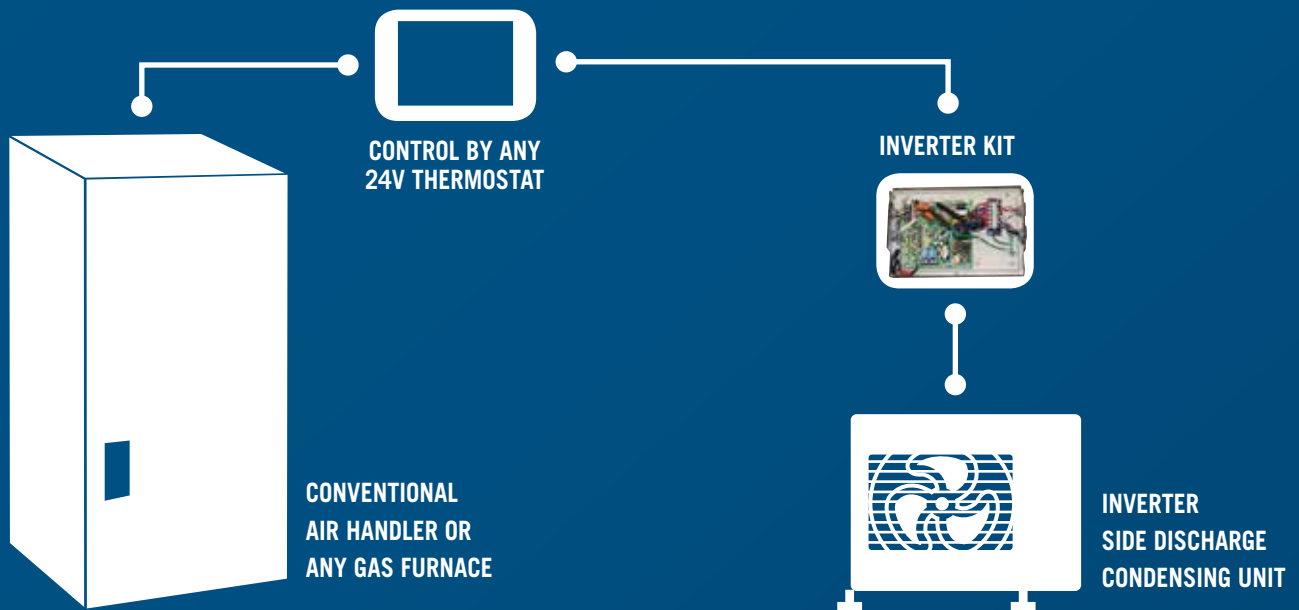
INVERTER KIT



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

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

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

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®



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