

# ComfortStar®



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

**PRODUCT  
CATALOG**

**ALEGRIA**   
SERIES  
| Gold | Platinum | Hi-Heat

**AHRI** CERTIFIED™  
[www.ahridirectory.org](http://www.ahridirectory.org)

 ETL  
LISTED US

 SP  
US

# LIGHT COMMERCIAL

Up to 21.5 SEER | Single Zone Heat Pump  
Low Ambient Temperature -13°F



## CPP Series Light Commercial Condenser

**FPA  
SERIES**  
Up to  
20 SEER



**AHU  
SERIES**  
Up to  
20.8 SEER



**TPA  
SERIES**  
Up to  
21.5 SEER



**CXH  
SERIES**  
Up to  
23.5 SEER



**CPA  
SERIES**  
Up to  
21.5 SEER



**WARRANTY**  
ALEGRIA PLATINUM  
7 YEAR WARRANTY  
COMPRESSOR



**WARRANTY**  
ALEGRIA PLATINUM  
7 YEAR WARRANTY  
PARTS

Warranty Registration required except  
California and Quebec Canada

**INVERTER**



# ALEGRIA PLATINUM SERIES



## LIGHT COMMERCIAL

Up to 25.5 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, air handler, or cassette type indoor units
- Gold Fin protection
- Horizontal discharge condensing units to save installation space
- Self diagnostic error codes
- ETL certified for safety
- AHRI listed for efficiency



Warranty Registration required except California and Quebec Canada



### INVERTER



## Indoor Units

### CXH Series

High Wall Mount

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



## TPA Series

Cassette Type

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



## Indoor Units

### FPA Series

Floor/Ceiling

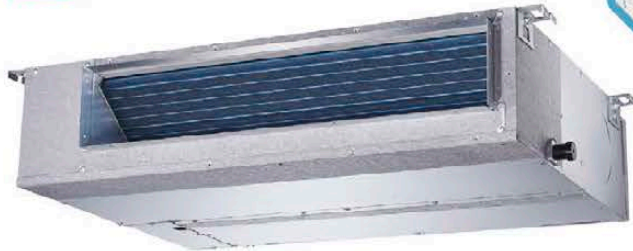
- Flexible Design – Horizontal or Vertical Installation
- Compact Design
- Quiet Operation
- Louver Swing Function To Disperse Air Flow
- Wireless Remote Control (standard)
- Wired Controller (optional)



### CPA Series

Fan Coil

- Compact Design
- Quiet Operation
- Wired Controller (standard)
- Available Fresh Air Intake



### AHU Series

DC Multi-Position  
INVERTER Air Handler

- Space Saving
- Fire-proof Electric Box
- Uses standard 24v thermostat
- Installs both vertical and horizontal



**INVERTER**



# ALEGRIA

○ PLATINUM  SERIES



## 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
Outdoor unit	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

For proper wiring sizes always refer to local codes

# ALEGRIA

## PLATINUM SERIES



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
Outdoor unit	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

For proper wiring sizes always refer to local codes

# TPA Series

○ Light Commercial Cassette

Light Commercial  
Single Zone Combinations



## PRODUCT SPECIFICATIONS

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	560/483/415	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"
Included 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

For proper wiring sizes always refer to local codes





### FPA Series

Light Commercial Floor/Ceiling

## Light Commercial - Single Zone Combinations



### PRODUCT SPECIFICATIONS

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	29	4579	29
	Rated current	A	7.1	8.0	29	19.9	29
	HSPF4		10.5	11	10.5	11.0	10.5
	HSPF5		8.8	9	9.1	9.4	9.1
Indoor air flow(Hi/Med/Lo)		CFM	578/521/465	759/708/598	1385/102/207	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	Liquidside/Gasside	(inch)	1/4"/1/2"	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"	3/8"/3/4"
Included 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

For proper wiring sizes always refer to local codes

# CPA Series

## Light Commercial Fan Coil



### Light Commercial - Single Zone Combinations

#### PRODUCT SPECIFICATIONS

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	21.5	16.5	17.4	18
Heating	Capacity	Btu/h	10000	12000	18000	24400	40000	49500	60000
	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	
Indoor 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 1"	OD 1"	OD 1"	OD 1"	OD 1"	OD 1"	OD 1"	
Refrig. piping	Liquid side Gas side	inch	1/4"/1/2"	1/4"/1/2"	1/4"/1/2"	3/8"/3/4"	3/8"/3/4"	3/8"/3/4"	3/8"/3/4"
Included Controller			Wired Control	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

For proper wiring sizes always refer to local codes

# Controls

Optional  
Wired Control

Standard  
Remote Controls



ARC-88



AWC-LC



AWC-2



AWC-CC

# ComfortStar®



## PRODUCT CATALOG

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



**ALEGRIA**  **SERIES**

| Gold | Platinum | Hi-Heat

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ALEGRIA-2021

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