

CMA-SD Series

FEATURES

Side discharge condenser is compact in size with an alternative footprint to fit in tight spaces without detracting from landscaping and outdoor living areas, which also makes it great for apartment complexes and condominiums.

- R410A refrigerant
- 12,000 through 36,000 BTU units designed with time tested rotary compressor
- 48,000 features durable scroll compressor for long lasting trouble free operation
- Ultra quiet operation-rated as low as 54 decibels
- Attractive cabinet is galvanized steel with powder coated finish for durability, in attractive neutral color
- Low voltage 24V control system for universal use
- Bio-engineered fan blade designed for efficient, quiet operation

Older CMA-SD models have flare connection, newer CMA-SD models have flare connection and come with a flare-to-sweat adapter.



Full line of AHRI matches to obtain the highest possible of efficiencies.

AHRI references numbers included on page 2.

Comfort-Aire®

SIDE DISCHARGE CONDENSER

1 to 4 Tons

*Six models to choose from
12,000 to 48,000 BTUH*



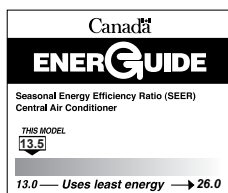
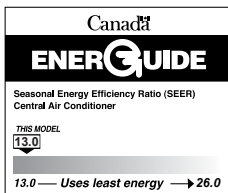
Warranty

5 years on compressor, 1 year on parts

Standard warranty or Extended warranty available with product registration.
See warranty document for details or visit www.marsdelivers.com

CMA SERIES HORIZONTAL CONDENSER

| OUTDOOR MODEL | INDOOR MODEL | TXV KIT WHERE NEEDED | COOLING PERFORMANCE | | | REFRIGERANT CONNECTION | | | | REFRIGERANT LINE SIZE | | AHR REFERENCE NUMBERS |
|-----------------|---------------------------|-----------------------|---------------------|------|--------------|------------------------|---------|----------------|-----|-----------------------|--------|-----------------------|
| | | | SEER | EER | AHR CAPACITY | OUTDOOR (FLARE) | | INDOOR (SWEAT) | | SUCTION | LIQUID | |
| | SUCTION | | | | | LIQUID | SUCTION | LIQUID | | | | |
| CMA12SD-0 | (C,M)CG18P(A,B)3P+TXV | H4TXV01 | 13 | 11 | 11,900 | 1/2 | 1/4 | 3/4 | 3/8 | 1/2 | 1/4 | 203979581 |
| | (C,M,V)24P13E+TXV | 4200 | 13 | 11 | 12,000 | 1/2 | 1/4 | 3/4 | 3/8 | 1/2 | 1/4 | 202195868 |
| CMA18SD-1 | (C,M)CG18P(A,B,C)3P+TXV | H4TXV01 | 13 | 10.5 | 16,000 | 1/2 | 1/4 | 3/4 | 3/8 | 1/2 | 1/4 | 203980296 |
| | (C,V,M)CG18PA1M+TXV | 4200 | 13.5 | 10.9 | 16,100 | 1/2 | 1/4 | 3/4 | 3/8 | 1/2 | 1/4 | 202241908 |
| | (C,V,M)CG18PB1M+TXV | 4200 | 13.5 | 10.9 | 16,100 | 1/2 | 1/4 | 3/4 | 3/8 | 1/2 | 1/4 | 202241909 |
| | (C,V,M)CG18PC1M+TXV | 4200 | 13.5 | 10.9 | 16,100 | 1/2 | 1/4 | 3/4 | 3/8 | 1/2 | 1/4 | 202241910 |
| | (C,V,M)CG24/30PA1M+TXV | 4200 | 13 | 10.7 | 15,500 | 1/2 | 1/4 | 3/4 | 3/8 | 1/2 | 1/4 | 202241920 |
| | (C,V,M)CG24/30PB1M+TXV | 4200 | 13 | 10.7 | 15,500 | 1/2 | 1/4 | 3/4 | 3/8 | 1/2 | 1/4 | 202241921 |
| | (C,V,M)CG24/30PC1M+TXV | 4200 | 13 | 10.7 | 15,500 | 1/2 | 1/4 | 3/4 | 3/8 | 1/2 | 1/4 | 202241922 |
| | BCW1C18**NA4X-1 | Installed | 13 | 10.5 | 16,000 | 1/2 | 1/4 | 3/4 | 3/8 | 1/2 | 1/4 | 203994444 |
| CMA24SD-1 | (C,M)CG24P(A,B,C)4P+TXV | H4TXV01 | 13 | 10.5 | 21,000 | 5/8 | 3/8 | 3/4 | 3/8 | 5/8 | 3/8 | 203980297 |
| | (C,V,M)CG18PA1M+TXV | 4200 | 13.5 | 10.9 | 20,800 | 5/8 | 3/8 | 3/4 | 3/8 | 5/8 | 3/8 | 202241911 |
| | (C,V,M)CG18PB1M+TXV | 4200 | 13.5 | 10.9 | 20,800 | 5/8 | 3/8 | 3/4 | 3/8 | 5/8 | 3/8 | 202241912 |
| | (C,V,M)CG18PC1M+TXV | 4200 | 13.5 | 10.9 | 20,800 | 5/8 | 3/8 | 3/4 | 3/8 | 5/8 | 3/8 | 202241913 |
| | (C,V,M)CG24/30PA1M+TXV | 4200 | 13 | 10 | 19,900 | 5/8 | 3/8 | 3/4 | 3/8 | 5/8 | 3/8 | 202241926 |
| | (C,V,M)CG24/30PB1M+TXV | 4200 | 13 | 10 | 19,900 | 5/8 | 3/8 | 3/4 | 3/8 | 5/8 | 3/8 | 202241927 |
| | (C,V,M)CG24/30PC1M+TXV | 4200 | 13 | 10 | 19,900 | 5/8 | 3/8 | 3/4 | 3/8 | 5/8 | 3/8 | 202241928 |
| | BCW1C24**NA4X-1 | Installed | 13 | 10.5 | 21,000 | 5/8 | 3/8 | 3/4 | 3/8 | 5/8 | 3/8 | 203994445 |
| CMA30SD-1 | (C,M)CG2430P(A,B,C)3P+TXV | H4TXV01 | 13 | 10 | 26,600 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | 203980298 |
| | (C,V,M)CG36PA1M+TXV | 4200 | 13.5 | 10.9 | 28,200 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | 202241932 |
| | (C,V,M)CG36PB1M+TXV | 4200 | 13.5 | 10.9 | 28,200 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | 202241933 |
| | (C,V,M)CG36PC1M+TXV | 4200 | 13.5 | 10.9 | 28,200 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | 202241934 |
| | BCW1E36**NA4X-1 | Installed | 14 | 10.5 | 26,800 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | 203994446 |
| CMA36SD-1 | (C,M)CG36P(A,B,C)7P+TXV | H4TXV02 | 13 | 10.5 | 32,600 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | 203980299 |
| | (C,V,M)CG36PA1M+TXV | 4200 | 13.5 | 10.9 | 34,000 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | 202241938 |
| | (C,V,M)CG36PB1M+TXV | 4200 | 13.5 | 10.9 | 34,000 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | 202241939 |
| | (C,V,M)CG36PC1M+TXV | 4200 | 13.5 | 10.9 | 34,000 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | 202241940 |
| | (C,V,M)CG42PB1M+TXV | 4200 | 13 | 10.5 | 32,000 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | 202241944 |
| | (C,V,M)CG42PC1M+TXV | 4200 | 13 | 10.5 | 32,000 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | 202241945 |
| | (C,V,M)CG42PD1M+TXV | 4200 | 13 | 10.5 | 32,000 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | 202241946 |
| | (C,V,M)CG48PB1M+TXV | 4200 | 13.5 | 11.1 | 35,200 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | 202241950 |
| | (C,V,M)CG48PC1M+TXV | 4200 | 13.5 | 11.1 | 35,200 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | 202241951 |
| | (C,V,M)CG48PD1M+TXV | 4200 | 13.5 | 11.1 | 35,200 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | 202241952 |
| | (C,V,M)CG48PB1M | 4200 | 13 | 11.1 | 35,200 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | 202241962 |
| | (C,V,M)CG48PC1M | 4200 | 13 | 11.1 | 35,200 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | 202241963 |
| | (C,V,M)CG48PD1M | 4200 | 13 | 11.1 | 35,200 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | 202241964 |
| | BCW1E36**NA4X-1 | Installed | 13 | 10.5 | 32,400 | 3/4 | 3/8 | 3/4 | 3/8 | 3/4 | 3/8 | 203994447 |
| | CMA48SD-1 | (C,M)CG48P(C,D)9P+TXV | H4TXV02 | 13 | 10.5 | 44,000 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 |
| (C,V,M)CG48PB1M | | 4202 | 13.5 | 11 | 46,000 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | 202241956 |
| (C,V,M)CG48PC1M | | 4202 | 13.5 | 11 | 46,000 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | 202241957 |
| (C,V,M)CG48PD1M | | 4202 | 13.5 | 11 | 46,000 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | 202241958 |
| (C,V,M)CG60PC1M | | 4202 | 13.5 | 11 | 46,000 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | 202241967 |
| (C,V,M)CG60PD1M | | 4202 | 13.5 | 11 | 46,000 | 3/4 | 3/8 | 7/8 | 3/8 | 3/4 | 3/8 | 202241968 |



CMA SERIES HORIZONTAL CONDENSER
0=115-1-60, 1=208/230V-1-60

| SPECIFICATIONS | CMA12SD-0 | CMA18SD-1 | CMA24SD-1 | CMA30SD-1 | CMA36SD-1 | CMA48SD-1 |
|---|----------------------------|----------------|--------------|-----------------|------------------|------------------|
| Nom. Cooling Capacity (BTUH) | 12,000 | 16,700 | 21,800 | 28,600 | 34,400 | 46,000 |
| SEER | 13 | 13 | 13 | 13 | 13 | 13 |
| EER | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| Ambient Operation Temp. | 65° | 65° | 65° | 65° | 65° | 65° |
| Operation Sound Level dB(A) | 54 | 56 | 58 | 60 | 60 | 60 |
| Outdoor Airflow CFM | 1413 | 1883 | 2649 | 3473 | 4120 | 4120 |
| ELECTRICAL | | | | | | |
| Cooling Amps | 8.10 | 6.55 | 9.0 | 11.9 | 15.5 | 20.5 |
| Min. Circuit Ampacity | 10 | 9 | 11.0 | 15 | 19 | 26 |
| Max. Fuse/HACR Circuit Breaker | 15 | 10 | 15 | 25 | 30 | 40 |
| Recommended Connection | 18-2 (24V) | | | | | |
| SYSTEM COMPONENTS | | | | | | |
| Compressor Type | Rotary | Rotary | Rotary | Rotary | Rotary | Scroll |
| Condenser | Aluminum Fin / Copper Tube | | | | | |
| LINE SET SPECIFICATIONS | | | | | | |
| Liquid Line (inch) (flare) | 1/4" | 1/4" | 3/8" | 3/8" | 3/8" | 3/8" |
| Gas Line (inch) (flare) | 1/2" | 1/2" | 5/8" | 3/4" | 3/4" | 3/4" |
| Max. Ref. Pipe Length | 82 | 82 | 82 | 82 | 98 | 98 |
| Max. Difference in Elevation ² | 33 | 33 | 33 | 33 | 33 | 33 |
| PHYSICAL CHARACTERISTICS | | | | | | |
| Dimensions (in.) W x H x D | 32x21.25x10.1 | 36.4x27.6x14.4 | 41.1x31.1x17 | 41.3x39.2x15.75 | 35.9x52.36x15.75 | 35.9x52.36x15.75 |
| Net Wt/Shipping Wt (lbs) | 86/90.4 | 106/117 | 141/152 | 170/196.2 | 185/207.2 | 185/207.2 |

CMA SERIES HORIZONTAL CONDENSER
0=115-1-60, 1=208/230V-1-60

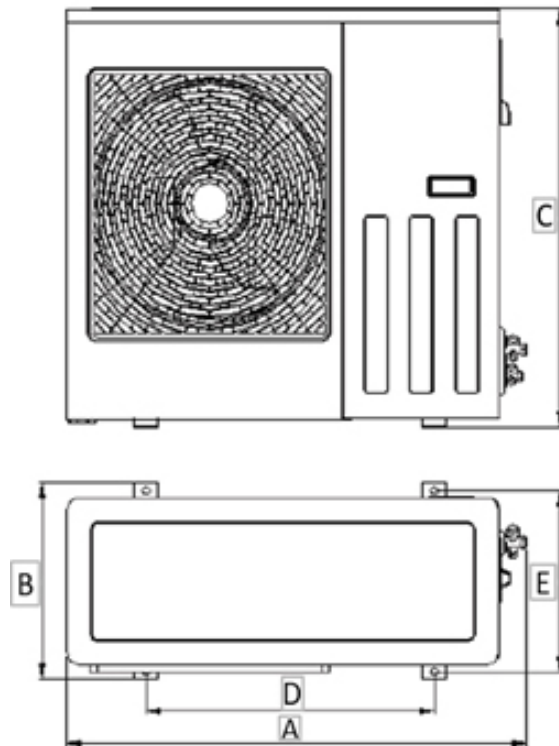
| SPECIFICATIONS | CMA12SD-0 | CMA18SD-1 | CMA24SD-1 | CMA30SD-1 | CMA36SD-1 | CMA48SD-1 |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|
| ELECTRICAL | | | | | | |
| Cooling Amps | 7.7 | 6.55 | 9 | 11.9 | 15.5 | 17 |
| Min. Circuit Ampacity | 15A | 9A | 11A | 15A | 19A | 23A |
| Max. Fuse/HACR Circuit Breaker | 15A | 10A | 15A | 25A | 30A | 30A |
| Recommended Connection | 18-2 (24V) ¹ | | | | | |
| SYSTEM COMPONENTS | | | | | | |
| Compressor Type | Rotary | Rotary | Rotary | Rotary | Rotary | Scroll |
| Condenser | Aluminum fin/copper tube | | | | | |
| LINE SET SPECIFICATIONS | | | | | | |
| Liquid Line (inch) (flare) | 1/4 | 1/4 | 3/8 | 3/8 | 3/8 | 3/8 |
| Gas Line (inch) (flare) | 1/2 | 1/2 | 5/8 | 3/4 | 3/4 | 3/4 |
| Max. Ref. Pipe Length | 65 ft | 65 ft | 65 ft | 65 ft | 65 ft | 65 ft |
| Max. Difference in Elevation ² | 33 ft | 33 ft | 33 ft | 33 ft | 33 ft | 33 ft |

NOTES:
¹ Always follow local and national electrical codes.

² Oil traps must be installed every 10 feet when outdoor unit is installed above indoor unit.

PHYSICAL CHARACTERISTICS & SOUND RATINGS

| Model | Dimensions | | | | | | Sound Ratings (dBA) |
|-----------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|---------------------|
| | A - width (in.) | B - depth (in.) | C - height (in.) | D - mount width | E - mount depth | Net/Ship Weight | |
| CMA12SD-0 | 32.00 | 12.00 | 21.10 | 20.10 | 10.90 | 86/90.4 | 54 |
| CMA18SD-1 | 36.40 | 14.40 | 27.60 | 23.20 | 13.40 | 106/117 | 56 |
| CMA24SD-1 | 41.10 | 17.00 | 31.10 | 27.80 | 15.50 | 141/152 | 58 |
| CMA30SD-1 | 41.30 | 15.70 | 39.20 | 27.60 | 15.00 | 170/196.2 | 60 |
| CMA36SD-1 | 35.90 | 15.70 | 52.40 | 23.00 | 14.20 | 185/207.2 | 60 |
| CMA48SD-1 | 35.90 | 15.70 | 52.40 | 23.00 | 14.20 | 185/207.2 | 60 |



“This product complies with all California product labeling laws including, but not limited to, the Safe Drinking Water and Toxic Enforcement Act of 1986, more commonly known as Proposition 65.”

Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.

Third party incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.