



## CMA Series

### Side Discharge Condenser

1 to 4 Tons

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

#### FEATURES

- 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

*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.*

#### 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](http://www.marsdelivers.com)





# CMA Series

## Side Discharge Condenser

0=115-1-60, 1=208/230V-1-60

SPECIFICATIONS	CMA12SD-0	CMA18SD-1	CMA24SD-1	CMA30SD-1	CMA36SD-1	CMA48SD-1
<b>ELECTRICAL</b>						
Cooling Amps	7.7	6.4	7.6	9.85	12.5	17
Min. Circuit Ampacity	15A	15A	15A	16A	20A	23A
Max. Fuse/HACR Circuit Breaker	15A	15A	15A	20A	25A	30A
Recommended Connection	18-2 (24V) <sup>1</sup>					
<b>SYSTEM COMPONENTS</b>						
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary	Scroll
Condenser	Aluminum fin/copper tube					
<b>LINE SET SPECIFICATIONS</b>						
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 <sup>2</sup>	33 ft	33 ft	33 ft	33 ft	33 ft	33 ft

**NOTES:**

<sup>1</sup> Always follow local and national electrical codes.

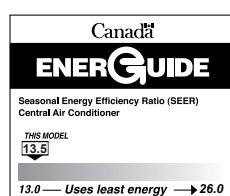
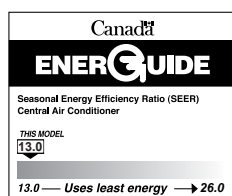
<sup>2</sup> Oil traps must be installed every 10 feet when outdoor unit is installed above indoor unit.

<b>COOLING PERFORMANCE WITH EVAPORATOR COILS</b>													
Outdoor Model	Indoor Model / Evaporator Coil	SEER	EER	Rated AHRI Capacity	AHRI Reference Number	Refrigerant Connection				Refrigerant Line Size		CFM	TXV
						Outdoor (flare)		Indoor (sweat)		Suction	Liquid		
						Suction	Liquid	Suction	Liquid				
CMA12SD-0	(C,M,V)CG24P13E+TXV	13.00	11	12000	202195868	1/2	1/4	3/4	3/8	1/2	1/4	445	4200
CMA18SD-1	(C,M,V)CG24/30PA1M+TXV	13.00	10.7	15500	202241920	1/2	1/4	3/4	3/8	1/2	1/4	570	4200
	(C,M,V)CG24/30PB1M+TXV	13.00	10.7	15500	202241921	1/2	1/4	3/4	3/8	1/2	1/4	570	4200
	(C,M,V)CG24/30PC1M+TXV	13.00	10.7	15500	202241922	1/2	1/4	3/4	3/8	1/2	1/4	570	4200
CMA24SD-1	(C,M,V)CG24/30PA1M+TXV	13.00	10.0	19900	202241926	5/8	3/8	3/4	3/8	5/8	3/8	730	4200
	(C,M,V)CG24/30PB1M+TXV	13.00	10.0	19900	202241927	5/8	3/8	3/4	3/8	5/8	3/8	730	4200
	(C,M,V)CG24/30PC1M+TXV	13.00	10.0	19900	202241928	5/8	3/8	3/4	3/8	5/8	3/8	730	4200
CMA30SD-1	(C,V,M)CG36PA1M+TXV	13.00	10.4	33400	202241932	3/4	3/8	3/4	3/8	3/4	3/4	1040	4200
	(C,V,M)CG36PB1M+TXV	13.00	10.4	33400	202241933	3/4	3/8	3/4	3/8	3/4	3/4	1040	4200
	(C,M,V)CG24/30PC1M+TXV	13.00	10.4	33400	202241934	3/4	3/8	3/4	3/8	3/4	3/4	1040	4200
CMA36SD-1	(C,V,M)CG36PA1M+TXV	13.50	10.9	1270	202241938	3/4	3/8	7/8	3/8	3/4	3/8	1270	4200
	(C,V,M)CG36PB1M+TXV	13.50	10.9	1270	202241939	3/4	3/8	7/8	3/8	3/4	3/8	1270	4200
	(C,V,M)CG36PC1M+TXV	13.50	10.9	1270	202241940	3/4	3/8	7/8	3/8	3/4	3/8	1270	4200
	(C,M,V)CG42PB1M+TXV	13.00	10.5	1195	202241944	3/4	3/8	7/8	3/8	3/4	3/8	1195	4200
	(C,M,V)CG42PC1M+TXV	13.00	10.5	1195	202241945	3/4	3/8	7/8	3/8	3/4	3/8	1195	4200
	(C,M,V)CG42PD1M+TXV	13.00	10.5	1195	202241946	3/4	3/8	7/8	3/8	3/4	3/8	1195	4200
	(C,V,M)CG48PB1M+TXV	13.50	11.1	1270	202241947	3/4	3/8	7/8	3/8	3/4	3/8	1270	4200
	(C,V,M)CG48PC1M+TXV	13.50	11.1	1270	202241951	3/4	3/8	7/8	3/8	3/4	3/8	1270	4200
	(C,V,M)CG48PD1M+TXV	13.50	11.1	1270	202241952	3/4	3/8	7/8	3/8	3/4	3/8	1270	4200
CMA48SD-1	(C,V,M)CG48PB1M+TXV	13.50	11.0	1470	202241956	3/4	3/8	7/8	3/8	3/4	3/8	1470	4202
	(C,V,M)CG48PC1M+TXV	13.50	11.0	1470	202241957	3/4	3/8	7/8	3/8	3/4	3/8	1470	4202
	(C,V,M)CG48PD1M+TXV	13.50	11.0	1470	202241958	3/4	3/8	7/8	3/8	3/4	3/8	1470	4202
	(C,V,M)CG60PC1M+TXV	13.50	11.0	1470	202241967	3/4	3/8	7/8	3/8	3/4	3/8	1470	4202
	(C,V,M)CG60PD1M+TXV	13.50	11.0	1470	202241968	3/4	3/8	7/8	3/8	3/4	3/8	1470	4202

# CMA SERIES HORIZONTAL CONDENSER

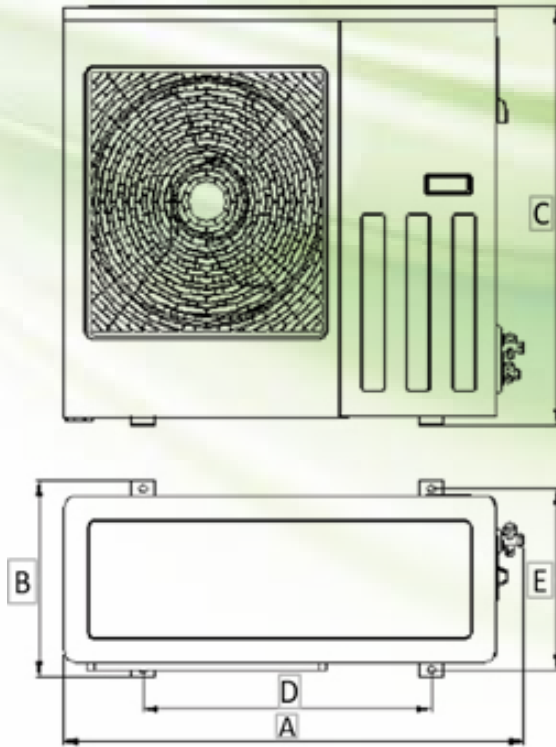
0=115-1-60, 1=208/230V-1-60

SPECIFICATIONS	CMA12SD-0	CMA18SD-1	CMA24SD-1	CMA30SD-1	CMA36SD-1	CMA48SD-1
Nom. Cooling Capacity (BTUH)	12,000	15,500	19,900	28,200	35,200	46,000
SEER	13	13	13	13.5	13	13.5
EER	11	10.7	10	10.9	10.5	11
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
<b>ELECTRICAL</b>						
Cooling Amps	7.70	6.40	7.60	9.85	12.5	17.0
Min. Circuit Ampacity	10	9	10.5	14	17	23
Max. Fuse/HACR Circuit Breaker	15	15	15	20	25	30
Recommended Connection	18-2 (24V)					
<b>SYSTEM COMPONENTS</b>						
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary	Scroll
Condenser	Aluminum Fin / Copper Tube					
<b>LINE SET SPECIFICATIONS</b>						
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	65	65	65	65	65
Max. Difference in Elevation <sup>2</sup>	33	33	33	33	33	33
<b>PHYSICAL CHARACTERISTICS</b>						
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



## PHYSICAL CHARACTERISTICS & SOUND RATINGS

Model	Dimensions					Net/Ship Weight	Sound Ratings (dBA)
	A - width (in.)	B - depth (in.)	C - height (in.)	D - mount width	E - mount depth		
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



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.

“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.”