

# CMA14\*\*SF 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. This also makes it great for apartment complexes and condominiums.

- All models can achieve minimum 14.5 SEER with the applicable matching coil combination
- 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



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

**AHRI reference numbers included on page 2.**



## SIDE DISCHARGE CONDENSER

*1 to 4 Tons*

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



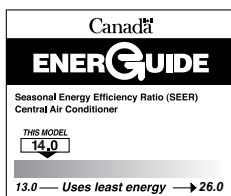
**Warranty**—5 years on compressor, 1 year on parts  
(Some limitations apply; see printed warranty for details.)

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

# CMA14\*\*SF SERIES HORIZONTAL CONDENSER

OUTDOOR MODEL	INDOOR MODEL	TXV KIT WHERE NEEDED	COOLING PERFORMANCE			REFRIGERANT CONNECTION				REFRIGERANT LINE SIZE		AHRI REFERENCE NUMBERS
	EVAP. COIL/AIR HANDLERS		SEER	EER	AHRI CAPACITY	OUTDOOR (SWEAT)		INDOOR (SWEAT)		SUCTION	LIQUID	
						SUCTION	LIQUID	SUCTION	LIQUID			
CMA1412SF-0	(C,M)CG18P(A,B,C)3P+TXV	67304001	14.5	12.2	11,700	1/2	1/4	3/4	3/8	1/2	1/4	203979583
CMA1418SF-1	BCW1C18**NA4X-1	INSTALLED	14	12.2	16,400	1/2	1/4	3/4	3/8	1/2	1/4	203504022
	BCW1C24**NA4X-1	INSTALLED	14	12.2	16,400	1/2	1/4	3/4	3/8	1/2	1/4	203504023
	(C,M,V)CG18P(A,B)1M+TXV	4200	14.5	12.2	16,600	1/2	1/4	3/4	3/8	1/2	1/4	203369784
	(C,M,V)CG18P(A,B)1M		14	12.2	16,600	1/2	1/4	3/4	3/8	1/2	1/4	203369787
	(C,M,V)CG30P(A,B,C)2M+TXV	4200	15	12.3	17,200	1/2	1/4	3/4	3/8	1/2	1/4	203369790
	(C,M,V)CG30P(A,B,C)2M		14.5	12.3	17,200	1/2	1/4	3/4	3/8	1/2	1/4	203369793
	(C,M)CG1824P(A,B)DP		14.5	12.2	17,500	1/2	1/4	3/4	3/8	1/2	1/4	203979593
(C,M)CG24P(A,B,C)4P+TXV	67304001	14	12.2	17,400	1/2	1/4	3/4	3/8	1/2	1/4	203979586	
CMA1424SF-1	BCW1C24**NA4X-1	INSTALLED	14	12.2	22,200	5/8	3/8	3/4	3/8	5/8	3/8	203504025
	BCW1C30**NA4X-1	INSTALLED	14	12.2	22,200	5/8	3/8	3/4	3/8	5/8	3/8	203504026
	(C,M,V)CG18P(A,B)1M+TXV	4200	14.5	12.2	22,200	5/8	3/8	3/4	3/8	5/8	3/8	203369796
	(C,M,V)CG18P(A,B)1M		14	12.2	22,200	5/8	3/8	3/4	3/8	5/8	3/8	203369798
	(C,M,V)CG30P(A,B,C)2M+TXV	4200	15	12.4	23,000	5/8	3/8	3/4	3/8	5/8	3/8	203369801
	(C,M,V)CG30P(A,B,C)2M		14.5	12.4	23,000	5/8	3/8	3/4	3/8	5/8	3/8	203369804
	(C,M)CG1824P(A,B)DP		14.5	12.2	23,400	5/8	3/8	3/4	3/8	5/8	3/8	203979594
(C,M)CG24P(A,B,C)4P+TXV	67304001	14	12.2	23,200	5/8	3/8	3/4	3/8	5/8	3/8	203979587	
CMA1430SF-1	BCW1E36**NA4X-1	INSTALLED	15	12.2	28,000	3/4	3/8	3/4	3/8	3/4	3/8	203504027
	(C,M,V)CG30P(A,B,C)2M+TXV	4200	14.5	12.3	28,800	3/4	3/8	3/4	3/8	3/4	3/8	203369807
	(C,M,V)CG30P(A,B,C)2M		14	12.3	28,800	3/4	3/8	3/4	3/8	3/4	3/8	203369810
	(C,M,V)CG36P(A,B,C)1M+TXV	4200	14.5	12.4	29,200	3/4	3/8	3/4	3/8	3/4	3/8	203369813
	(C,M,V)CG36P(A,B,C)1M		14	12.4	29,200	3/4	3/8	3/4	3/8	3/4	3/8	203369815
	(C,M)CG3036P(A,B,C)EP		14.5	12.2	30,000	3/4	3/8	3/4	3/8	3/4	3/8	203979596
	(C,M)CG36P(A,B,C)7P+TXV	67304001	14	12.2	29,000	3/4	3/8	3/4	3/8	3/4	3/8	203979590
CMA1436SF-1	BCW1E36**NA4X-1	INSTALLED	15	12.2	32,800	3/4	3/8	3/4	3/8	3/4	3/8	203504029
	(C,M,V)CG42P(B,C,D)2M+TXV	4200	15	12.2	34,000	3/4	3/8	7/8	3/8	3/4	3/8	203369818
	(C,M,V)CG42P(B,C,D)2M		14.5	12.2	34,000	3/4	3/8	7/8	3/8	3/4	3/8	203369821
	(C,M,V)CG48P(B,C,D)1M+TXV	4200	15	12.3	35,200	3/4	3/8	7/8	3/8	3/4	3/8	203369824
	(C,M,V)CG48P(B,C,D)1M		14.5	12.3	35,200	3/4	3/8	7/8	3/8	3/4	3/8	203369827
	(C,M)CG3036P(A,B,C)EP		14.5	12.2	34,000	3/4	3/8	3/4	3/8	3/4	3/8	203979597
CMA48SF-1	MCG48T(C,D)2M	INSTALLED	14	11.7	45,000	3/4	3/8	7/8	3/8	3/4	3/8	203369829
	MCG60T(C,D)2M	INSTALLED	14.5	11.8	46,000	3/4	3/8	7/8	3/8	3/4	3/8	203369832
	(C,M)CG48P(C,D)CP+TXV	67304002	14	11.7	46,000	3/4	3/8	7/8	3/8	3/4	3/8	203979592

Use of piston-style metering device is typical. Where TXVs are necessary due to AHRI-match or performance-related applications, a 15% bleed-type TXV is required.



**CMA14\*\*SF SERIES HORIZONTAL CONDENSER**

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

SPECIFICATIONS	CMA1412SF-0	CMA1418SF-1	CMA1424SF-1	CMA1430SF-1	CMA1436SF-1	CMA1448SF-1
Nom. Cooling Capacity (BTUH)	12,000	17500	23500	30000	34000	46000
SEER	14.5	14.5	14.5	14.5	14.5	14
EER	12.2	12.2	12.2	12.5	12.2	11.7
Ambient Operation Temp.	65F (18C)	65F (18C)	65F (18C)	65F (18C)	65F (18C)	65F (18C)
Operation Sound Level dB(A)	54	56	58	58	58	60
Outdoor Airflow CFM	1413	1883	2647	2647	2705	3940
<b>ELECTRICAL</b>						
Cooling Amps	7.15	5.25	7.05	8.95	10.05	13.65
Min. Circuit Ampacity	10.0	9.0	11.0	15.0	19.0	26.0
Max. Fuse/HACR Circuit Breaker	15.0	10.0	15.0	25.0	30.0	40.0
<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"
Suction Line (inch) (flare)	1/2"	1/2"	5/8"	3/4"	3/4"	3/4"
Max. Ref. Pipe Length	65.6'	65.6'	65.6'	65.6'	65.6'	65.6'
Max. Difference in Elevation <sup>1</sup>	33'	33'	33'	33'	33'	49'
<b>PHYSICAL CHARACTERISTICS</b>						
Dimensions (in.) W x H x D	32 x 21 1/4 x 10 1/8	36 3/8 x 27 5/8 x 14 3/8	41 1/8 x 31 1/8 x 17	41 1/8 x 31 1/8 x 17	41 1/8 x 31 1/8 x 17	39 7/8 x 52 3/8 x 15 3/4
Net Wt/Shipping Wt (lbs)	86/90.4	106/117	141/152	143/154	145/156	218/238

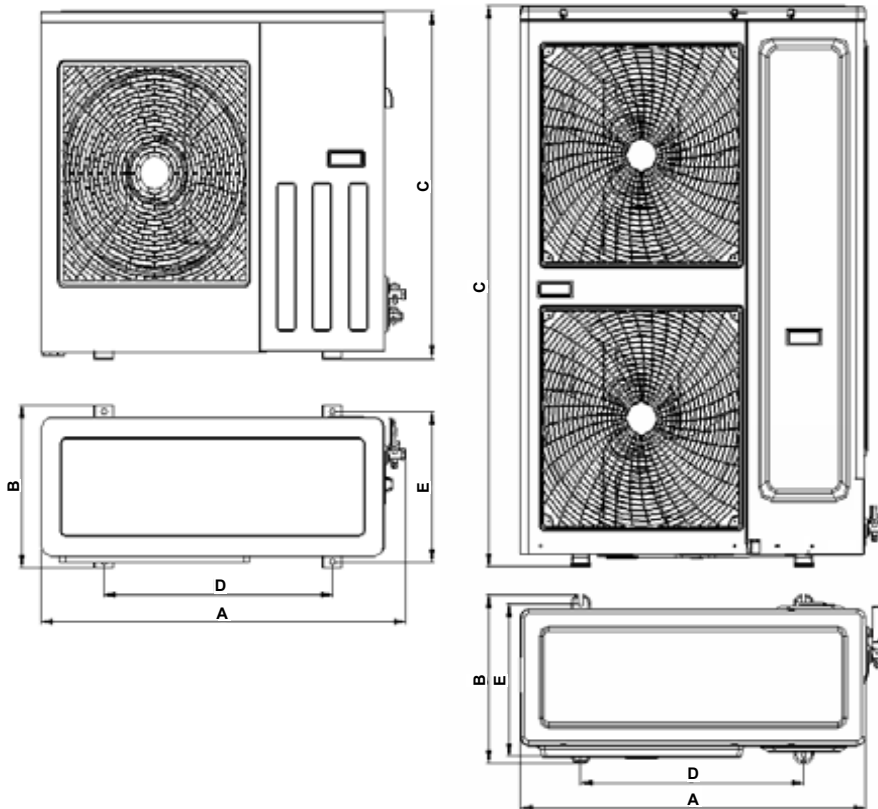
**NOTES:**

<sup>1</sup> Oil traps must be installed every 10 feet when outdoor unit is installed above indoor unit.



## 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		
CMA1412SF-0	33.3	13.25	23	20.1	10.9	86/90.4	54
CMA1418SF-1	37	15	27.5	23.2	13.4	106/117	56
CMA1424SF-1	41	17.5	32	27.8	15.5	106/117	58
CMA1430SF-1	41	17.5	32	27.8	15.5	143/154	58
CMA1436SF-1	41	17.5	32	27.8	15.5	145/156	58
CMA1448SF-1	43.5	21	34.25	23	14.2	218/238	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.*