

CMA14**SG Series

FEATURES

Horizontal 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 SEER with the applicable matching coil or BCW1 combination
- Less expensive than traditional top-discharge condensing units
- Compact design coupled with standard wall brackets allow for multiple condensing units in the same footprint – ideal for light-commercial applications
- 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
- R410A refrigerant



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

AHRI reference numbers included on page 2.

Comfort-Care®

HORIZONTAL DISCHARGE CONDENSER

1 to 4 Tons

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



CMA14-Series Horizontal Discharge models are up to 30% less expensive than traditional 14 SEER top-discharge units.

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

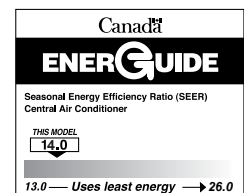
www.marsdelivers.com

CMA14SG SERIES HORIZONTAL CONDENSER**

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

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			
CMA1412SG-0	(C,M)CG18P(A,B,C)3P+TXV+TD		67304001	14.5	12.2	11,700	1/2"	1/4"	3/4"	3/8"	1/2"	1/4"	205566443
CMA1418SG-1	(C,M)CG24P(A,B,C)4P+TXV+TD		67304001	14	12.2	17,400	1/2"	1/4"	3/4"	3/8"	1/2"	1/4"	205566445
	BCW1C18**NA4X-1+TD		INSTALLED	14	12.2	16,400	1/2"	1/4"	3/4"	3/8"	1/2"	1/4"	205572425
	BCW1C24**NA4X-1+TD		INSTALLED	14	12.2	16,400	1/2"	1/4"	3/4"	3/8"	1/2"	1/4"	205572426
CMA1424SG-1	(C,M)CG24P(A,B,C)4P+TXV+TD		67304001	14	12.2	23,200	5/8"	3/8"	3/4"	3/8"	5/8"	3/8"	205566447
	BCW1C24**NA4X-1+TD		INSTALLED	14	12.2	22,200	5/8"	3/8"	3/4"	3/8"	5/8"	3/8"	205572427
	BCW1C30**NA4X-1+TD		INSTALLED	14	12.2	22,400	5/8"	3/8"	3/4"	3/8"	5/8"	3/8"	205572428
CMA1430SG-1	(C,M)CG3036P(A,B,C)EP+TXV+TD		67304001	14.5	12.2	30,000	3/4"	3/8"	3/4"	3/8"	3/4"	3/8"	205566449
	BCW1E36**NA4X-1		INSTALLED	15	12.2	28,800	3/4"	3/8"	3/4"	3/8"	3/4"	3/8"	205572429
CMA1436SG-1	(C,M)CG36P(A,B,C)7P+TXV+TD		67304001	14.5	12.2	33,800	3/4"	3/8"	3/4"	3/8"	3/4"	3/8"	205566451
	(C,M)CG3036P(A,B,C)EP+TXV+TD		67304001	14.5	12.2	34,000	3/4"	3/8"	3/4"	3/8"	3/4"	3/8"	205566453
	BCW1E36**NA4X-1		INSTALLED	15	12.5	33,000	3/4"	3/8"	3/4"	3/8"	3/4"	3/8"	205572430
CMA1448SG-1	(C,M)CG4248P(B,C,D)8P+TXV+TD		67304002	14	11.7	48,000	3/4"	3/8"	7/8"	3/8"	3/4"	3/8"	205566455

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.



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SPECIFICATIONS	CMA1412SG-0	CMA1418SG-1	CMA1424SG-1	CMA1430SG-1	CMA1436SG-1	CMA1448SG-1
Nom. Cooling Capacity (BTUH)	12,000	18,000	24,000	30,000	36,000	48,000
Ambient Operation Temp.	65 - 115F	65 - 115F	65 - 115F	65 - 115F	65 - 115F	65 - 115F
Operation Sound Level dB(A)	54	56	58	58	58	60
Outdoor Airflow CFM	1413	1883	2647	2647	2705	3940
ELECTRICAL						
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	15.0	15.0	25.0	30.0	40.0
SYSTEM COMPONENTS						
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary	Scroll
Condenser	Aluminum Fin / Copper Tube					
LINE SET SPECIFICATIONS						
Liquid Line (inch) (sweat)	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"
Suction Line (inch) (sweat)	1/2"	1/2"	5/8"	3/4"	3/4"	3/4"
Max. Ref. Pipe Length	66'	66'	66'	66'	66'	66'
Max. Difference in Elevation ¹	33'	33'	33'	33'	33'	49'
PHYSICAL CHARACTERISTICS						
Dimensions (in.) W x H x D	33.3 x 22.05 x 13.18	36.8 x 27.64 x 15.08	40.63 x 31.89 x 17.52	40.63 x 31.89 x 17.52	40.63 x 31.89 x 17.52	43.31 x 34.20 x 20.79
Net Wt/Shipping Wt (lbs)	86/90.4	106/117	141/152	143/154	145/156	218/238

NOTES:

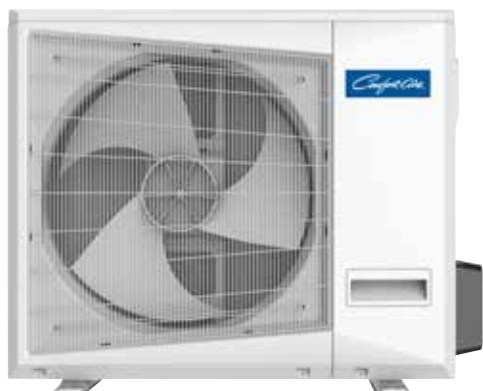
¹ Oil traps must be installed every 10 feet when outdoor unit is installed above indoor unit.



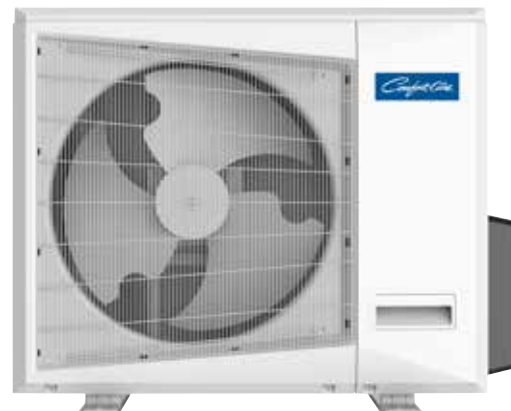
12,000 BTUH



18,000 BTUH



24,000, 30,000, 36,000 BTUH



48,000 BTUH

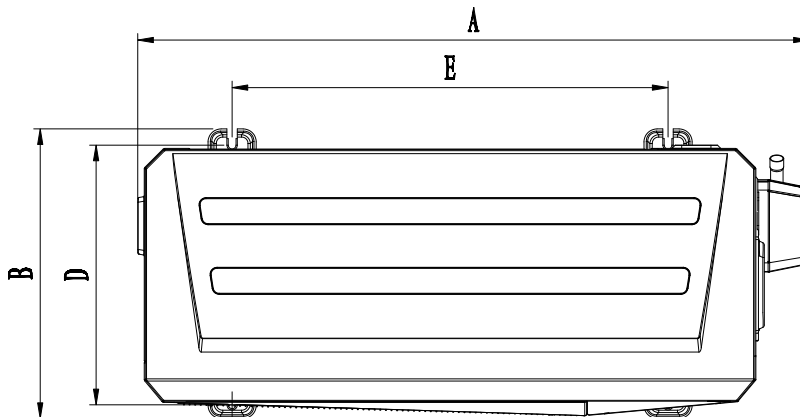
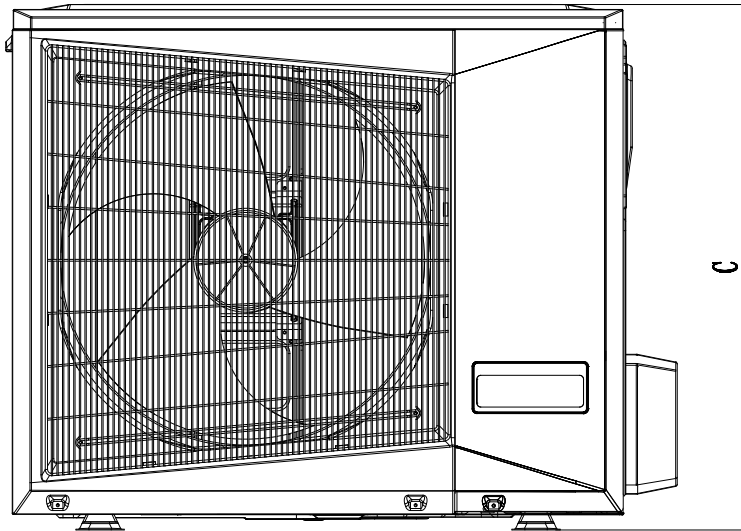
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PHYSICAL CHARACTERISTICS & SOUND RATINGS

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

Model	Dimensions					Net/Ship Weight	Sound Ratings (dBa)
	A - width (in.)	B - depth (in.)	C - height (in.)	D - mount depth	E - mount width		
CMA1412SG-0	33.3	13.18	22.05	20.0	11.0	86/90.4	54
CMA1418SG-1	36.8	15.08	27.64	21.1	12.8	106/117	56
CMA1424SG-1	40.63	17.52	31.89	26.4	15.2	106/117	58
CMA1430SG-1	40.63	17.52	31.89	26.4	15.2	143/154	58
CMA1436SG-1	40.63	17.52	31.89	26.4	15.2	145/156	58
CMA1448SG-1	43.31	20.79	34.25	25.0	17.4	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.