

GCV O4I Genesis Compact Vertical

The Best Choice for
Toronto & Montreal's
Highly Competitive
Condo & Apartment
Marketplace



7300 S.W. 44th St.
Oklahoma City, OK 73179
Phone 405-745-6000
Fax 405-745-6058

www.climatemaster.com

ClimateMaster works continually to improve its products. As a result, the design and specifications of each product at the time of order may be changed without notice and may not be as described herein. Please contact ClimateMaster's Customer Service Department at 1-405-745-6000 for specific information on the current design and specifications statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties, but are merely ClimateMaster's opinion or commendation of its products.

© ClimateMaster, Inc. 2002



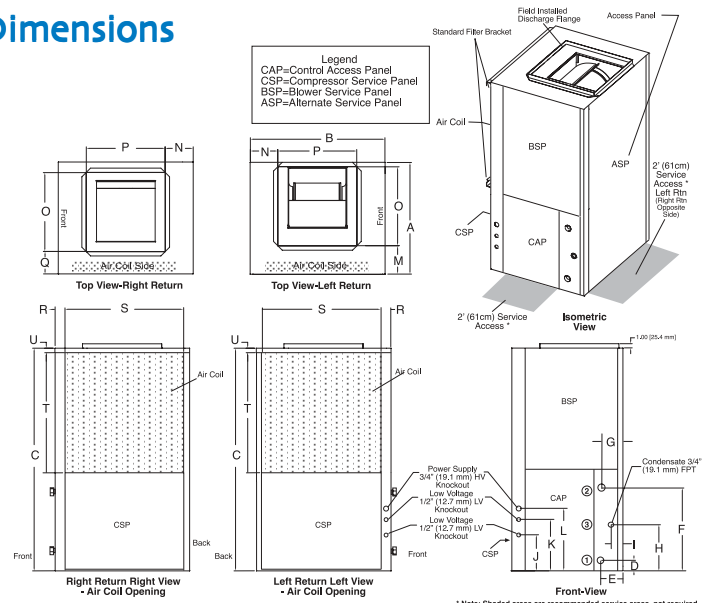
Small Size + Low Cost = Genesis Compact Vertical O41

ClimateMaster's new Genesis Compact Vertical GCVO41 is designed to be a "drop-in" replacement unit for thousands of existing Condo / Apartment units.

- Small size designed for tight spaces in new construction
- Designed for cooling tower / boiler installations
- Units are in stock and ready to order
- Meets new federal minimum performance guidelines
- Multiple control board options including: CXM, DXM, & LonWorks DDC
- Complete Genesis Compact line of vertical and horizontal cabinet configurations available



Dimensions



Vertical Upflow Model	Overall Cabinet			Water Connections						Electrical Knockouts			Discharge Connection					Return Connection				
	A	B	C	1	2	3	Water In	FPT Size	J	K	L	M	N	O	P	Q	R	S	T	U		
041	in. 21.5	21.5	39.0	1.7	3.8	16.4	2.6	8.1	2.3	3/4"	4.1	7.1	10.1	6.4	3.8	14.0	14.0	5.3	2.3	18.3	20.2	0.7
	cm 54.6	54.6	99.1	4.4	9.1	41.7	6.6	20.6	5.8	1.9	10.5	18.1	25.7	16.1	9.5	35.6	35.6	13.6	5.8	46.5	51.3	1.9

Condensate is 3/4" (19.1 mm) FPT.
Filter bracket extending from unit 2.5" (6.4 cm). This bracket should be removed when connecting return duct.
Discharge flange field installed.

Physical Data

Model	V041
Compressor (1 each)	Recip
Factory Refrigerant Charge Vertical - (oz.)	50
Factory Refrigerant Charge Horizontal - (oz.)	50
PSC Fan Motor & Blower	
Fan Motor Type/Speeds	PSC/3
Fan Motor (hp)	3/4
Blower Wheel Size (Dia x W)	9 x 8
Water Connection Size	
FPT - All Other	3/4
Vertical	
Air Coil Dimensions (H x W)	20 x 17.25
Air Coil Total Face Area (ft ²)	2.4
Air Coil Tube Size (in.)	3/8
Air Coil Fin Spacing (fpi)	11
Air Coil Number of rows	4
Filter Standard - 1" Throwaway	20 x 20
Weight - Operating (lbs.)	207
Weight - Packaged (lbs.)	212

All units have grommet compressor mountings, and 1/2" & 3/4" electrical knockouts.

Check serial plate for refrigerant type (R22 or R407c).

Rated Performance Under ARI/ISO-13256-1 Conditions

Model	Liquid Flow (gpm)	Air Flow (cfm)	Water Loop Heat Pump			
			Cooling 86°F		Heating 68°F	
			Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
GCVO41B	10.5	1325	37,700	12.0	47,500	4.2

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.

Heating capacities based upon 68°F DB, 59°F WB entering air temperature.

All air flow is rated on high speed.

All ratings based upon operation at lower voltage of dual voltage rated models.

Electrical

Model	Volt Code	Rated Voltage	Voltage Min/Max	Compressor Qty	Compressor RLA	Compressor LRA	Fan Motor FLA	Total Unit Min Circ Amp	Min Fuses	Max HACR
V041	G	208-230/60/1	197/254	1	16.2	96.0	3.00	19.2	23.2	35
	H	208-230/60/3	197/254	1	10.3	75.0	3.00	13.3	15.8	25
	F	460/60/3	414/506	1	4.3	40.0	1.70	6.0	7.1	15
	N	575/60/3	518/633	1	3.7	31.0	1.50	5.2	6.1	15

HACR circuit breaker in USA only.
All fuses Class RK-5.

Rev: 7/17/02B