

# GCV O4I Genesis Compact Vertical

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



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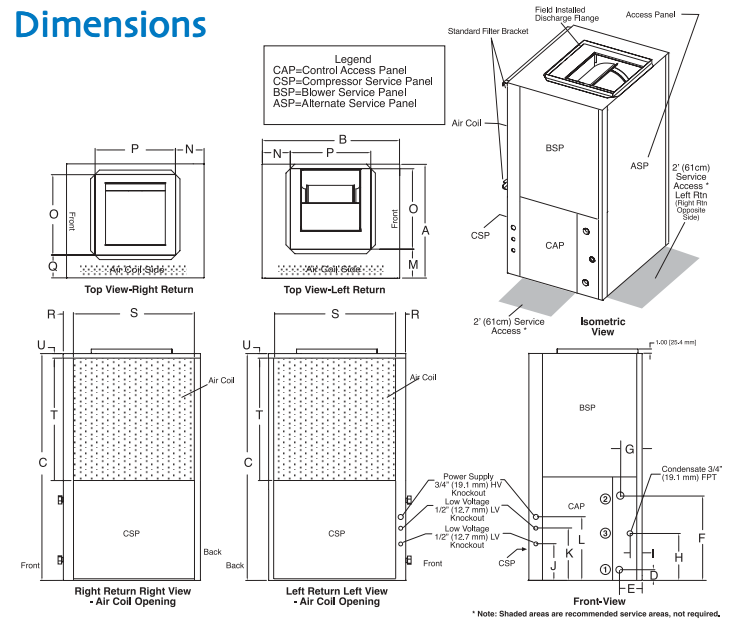
# Small Size + Low Cost = Genesis Compact Vertical O41

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
- Qualifies for the Florida Power and Light rebate programs
- 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	J	K	L	M	N	O	P	Q	R	S	T	U				
	Width	Depth	Height	In	Out	Condensate	FPT Size	1/2" cond	1/2" cond	3/4" cond	Supply Width	Supply Depth	Supply Width	Supply Depth	Return Depth	Return Height	Return Depth	Return Height					
041	in.	21.5	21.5	39.0	1.7	3.6	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.

Rev.: 5/17/02B

## Physical Data

Model	V041
Compressor (1 each)	Recip
Factory Refrigerant Charge Vertical- (oz.)	50
Factory Refrigerant Charge Horizontal - (oz.)	50
<b>PSC Fan Motor &amp; Blower</b>	
Fan Motor Type/Speeds	PSC/3
Fan Motor (hp)	3/4
Blower Wheel Size (Dia x W)	9 x 8
<b>Water Connection Size</b>	
FPT - All Other	3/4
<b>Vertical</b>	
Air Coil Dimensions (H x W)	20 x 17.25
Air Coil Total Face Area (ft <sup>2</sup> )	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
GCV041B	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			Fan Motor FLA	Total Unit FLA	Min Amp	Max Fuse/HACR
				Qty	RLA	LRA				
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.