



# The Arctic Chiller Group

Manufacturer of Premium Efficiency Cooling Solutions

PRODUCT RELEASE

## Manhattan Gen II by Arctic



Heat Recovery



Super Quiet Design



Scalable Flexibility

- Capacity range from 15-800 tons
- Dual refrigeration circuits on all modules up to 80 tons
- Scroll compressors
- N+1 redundancy
- Strainers on each brazed plate heat exchangers are serviceable while system is operational
- Electrical power isolation via individual circuit breakers for each module
- Individual flow switch and manual service isolation valves on each unit
- Latest generation open protocol controller allows for remote monitoring
- EC variable speed fans for ultra-low sound on air-cooled modules

### OPTIONS:

- BMS interface using all common protocols
- Digital scroll compressors or variable speed drives available for load matching
- Both heat pump mode and heat recovery are available in both water and air-cooled systems
- Air-cooled models are available as a split system
- Tank and pump modules with glycol feeder and expansion tank / sealed reservoir
- Free cooling on air-cooled systems
- Low sound options available
- Regulating valves on water-cooled condensers



## Air Cooled Model Configurations

Part Number	Tons	Voltage	Fans	Weight	Dimensions (WxDxH)
PACVMV0150D_-MM	15	208/3/60	2	1,400 lbs.	24"x66"x77"
PACVMV0200D_-MM	20		2	2,400 lbs.	33"x76"x76"
PACVMV0250D_-MM	25	230/3/60	2	2,500 lbs.	39"x95"x87"
PACVMV0300D_-MM	30		2	2,500 lbs.	39"x95"x87"
PACVMV0400D_-MM	40	460/3/60	2	5,000 lbs.	48"x95"x87"
PACVMV0500D_-MM	50		4	5,000 lbs.	79"x95"x94"
PACVMV0600D_-MM	60	575/3/60	4	5,000 lbs.	79"x95"x94"
PACVMV0800D_-MM	80		4	5,000 lbs.	79"x95"x94"

E&OE

## Water Cooled Model Configurations

Part Number	Tons	Voltage	Weight	Dimensions (WxDxH)
PWCCMV0150D_-MM	15	208/3/60	1,400 lbs.	24"x66"x77"
PWCCMV0200D_-MM	20		1,400 lbs.	24"x66"x77"
PWCCMV0250D_-MM	25	380/3/60	1,500 lbs.	24"x66"x77"
PWCCMV0300D_-MM	30		1,600 lbs.	24"x66"x77"
PWCCMV0400D_-MM	40	400/3/60	1,800 lbs.	34"x66"x77"
PWCCMV0500D_-MM	50		1,800 lbs.	34"x66"x77"
PWCCMV0600D_-MM	60	575/3/60	1,900 lbs.	34"x66"x77"
PWCCMV0800D_-MM	80		2,600 lbs.	34"x66"x77"

E&OE



## New Gen II Controller

### Carel c.pCO PLC

- Processes all communications, IOs, and execute program in tens of milliseconds
- Online debugging for prompt programming code troubleshooting
- 3 serial ports / 2 ethernet ports / 1 USB port

### EXOR eSmart HMI

- State-of-the-art features include data acquisition and logging, trend presentation, alarm handling, scheduler and timed actions, recipes, security and user management, e-mail, and RSS feeds
- Remote monitoring and control with Client-Server functionality
- Wide selection of communication drivers available with multiple-driver communication capability
- Data display in numerical, text, bargraph, analog gauges and graphic image formats

## The Arctic Chiller Group



### United States

71 Industrial Park Road  
Newberry, SC 29108  
(803) 321-1891  
Toll Free: (800) 849-7778  
Fax: (803) 321-1898

### Canada

2100 Steeles Avenue East  
Brampton, ON L6T 1A7  
(905) 789-9988  
Toll Free: (800) 339-8982  
Fax: (905) 789-9989

Visit our website at [www.arcticchillergroup.com](http://www.arcticchillergroup.com)