



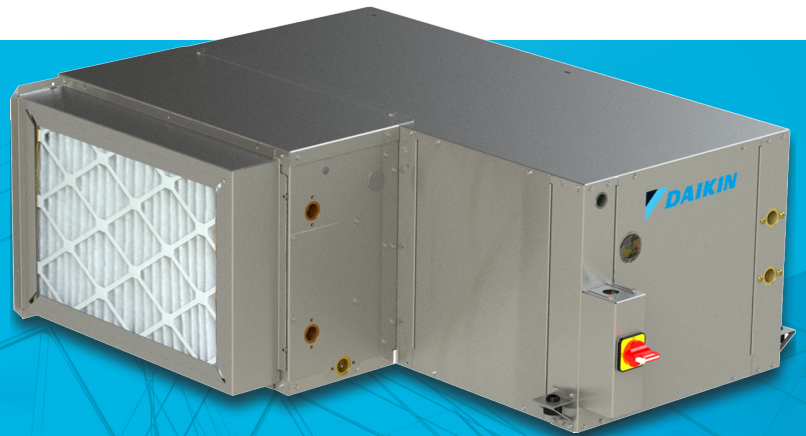
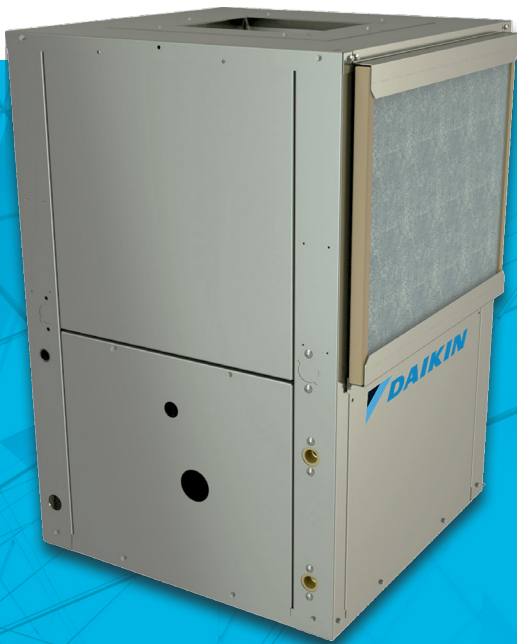
SMARTSOURCE[®] COMPACT WSHPs

BIG FEATURES, SMALL DESIGN, PERFECT FIT



Model GCV
1/2 to 6 tons

Model GCH/GDH
1/2 to 6 tons



LEARN MORE AT [DAIKINAPPLIED.COM](https://www.daikinapplied.com)

IDEAL FOR LIMITED SPACES

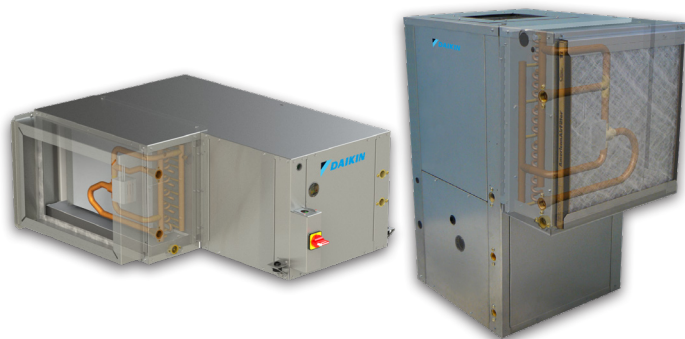
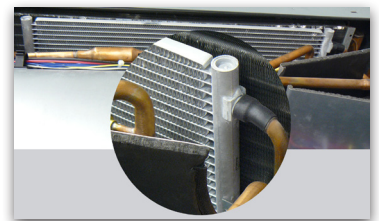
SMARTSOURCE® COMPACT WSHPs

Daikin **SMARTSOURCE COMPACT WATER SOURCE HEAT PUMPS** (WSHPs) lead the way in small-scale, serviceable design that provides commercial building contractors and facility managers with a low-cost alternative to more expensive and larger WSHPs. Factory stocked for quick delivery, compact WSHPs are ideal for new, existing, or retrofit jobs where space is a premium and budgets are constrained. They can be configured for boiler tower or geothermal applications that are often found in schools, offices, lodging, condominiums, and retail facilities.

SMALL IN FOOTPRINT, BIG ON PERFORMANCE

SMART DEHUMIDIFICATION

With Smart Dehumidification, once the space temperature is satisfied, the humidistat signal diverts the high temperature refrigerant gas to the hot gas reheat coil located downstream of the cooling coil. The conditioned and reheated air prevents over cooling of the space, maximizes moisture removal for improved indoor comfort, and is an excellent solution for applications where maintaining low humidity in a space is crucial.

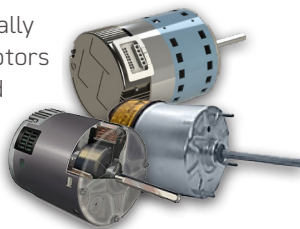


WATERSIDE ECONOMIZER

Waterside economizers help to reduce energy consumption by using cold loop water temperature to condition a space without energizing mechanical cooling. Buildings will benefit from the waterside economizer when loop temperatures are cool enough to provide air conditioning to the space.

EC FAN MOTOR(S) WITH SMART FAN CONTROL

With optional electronically commutated (EC) fan motors and 4-position fan speed control, SmartSource Compact delivers high efficiencies to ensure premium performance.



HIGH EFFICIENCY COMPRESSORS

High efficiency rotary (sizes 007-019) and scroll (sizes 024-070) compressors are designed to optimize heat pump duty and performance. Additionally, horizontal GDH model (sizes 24-70) are available with two-stage scroll compressors for increased operational energy savings, while providing excellent part-load performance and improved humidity control.

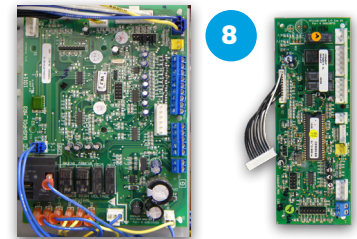
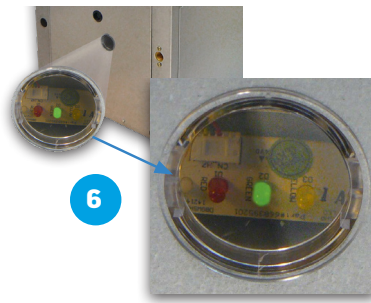
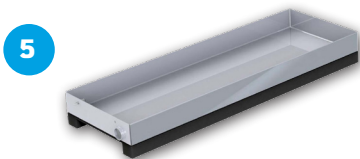
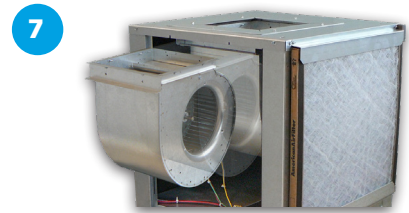
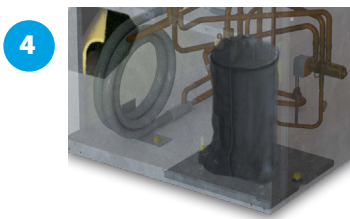
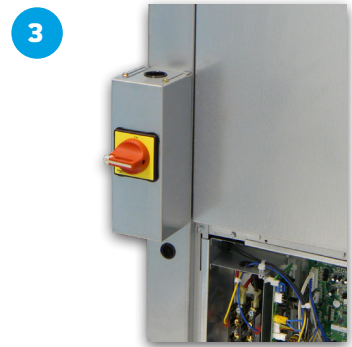


INDOOR AIR QUALITY SOLUTIONS

- MERV 8 and MERV 13 filter options for superior particulate capture and filtration
- Closed cell insulation option to eliminate fiber strand contamination
- Smart Dehumidification for low humidity and increased occupant comfort
- Double-sloped polymer or stainless steel (std. on model GCV) drain pan option deter microbial growth



COMPACT FEATURES & BENEFITS



1 HOT GAS REHEAT

- Hot gas reheat, humidistat, 2-stage thermostat and smart airflow management for precise humidity control
- 3-stage thermostat to optimize unit capacity and fan speed for maximum latent capacity
- Humidistat optimizes fan speed for maximum latent capacity while decreasing room humidity levels

2 HYDRONIC HEAT (GCV ONLY)

- Reduces energy using warm loop water temperatures to condition air without energizing mechanical heating
- Advanced fan controls reduce sound levels during heating

3 NON-FUSED DISCONNECT

- Convenient power shut-off and lockout at the unit

4 SOUND OPTIONS

- Sound attenuating compressor blankets
- Dual layer fiberglass insulation

5 STAINLESS STEEL DRAIN PAN

- Double sloped with foam sound baffle supports
- Electronic overflow sensors

6 LED STATUS SIGHT GLASS

- Instant status visual for quick troubleshooting and diagnosis

7 SLIDE-OUT FAN MOTOR/ HOUSING (GCV ONLY)

- Motor and fan housing assembly slide-out for easy removal and service access

8 MICROTECH® III CONTROLS

- Open-protocol integration with optional LonWorks® or BACnet®
- Expansion module

ADDITIONAL OPTIONS

- Extended range coaxial heat exchanger for geothermal applications
- Closed-cell, or ½"-standard fiberglass insulation
- 2"/4" filters, low leakage MERV 8 and MERV 13 available

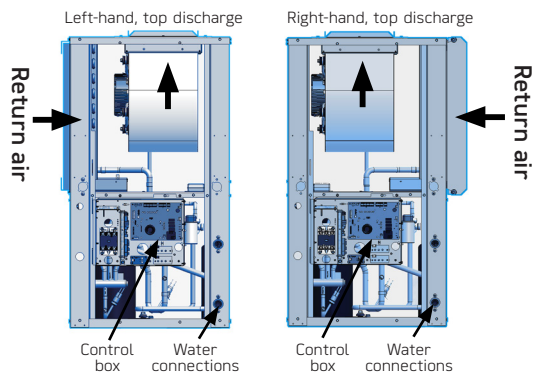
AHRI performance data – Compact model GCV with EC motor

Unit Size	Motor Type	CFM	GPM	Water Loop (Boiler Tower)				Ground Loop (Geothermal)				Dimensions
				Cooling		Heating		Cooling		Heating		
				Btu/hr	EER	Btu/hr	COP	Btu/hr	EER	Btu/hr	COP	
007	ECM	250	1.75	6,200	13.8	6,900	4.8	6,500	16.2	4,700	3.3	19.0W x 19.0D x 24.0H
009		300	2.25	8,100	13.0	9,200	4.3	8,400	14.8	6,100	3.2	
012		400	3.0	10,900	13.2	13,500	4.6	11,700	15.1	8,700	3.4	
015		500	3.5	13,900	14.6	16,400	5.2	14,700	16.5	10,300	3.5	
019		600	4.5	17,500	14.3	20,100	5.0	18,500	16.7	12,900	3.5	21.5W x 21.5D x 32.0H
024		775	6.0	24,200	13.5	25,700	4.5	25,400	15.9	17,100	3.4	
030		1000	7.1	28,900	14.1	33,000	4.4	30,500	16.2	21,200	3.3	21.5W x 21.5D x 39.0H
036		1200	9.1	36,500	13.7	41,900	4.5	38,300	15.8	27,000	3.4	
042		1400	10.0	41,000	14.5	45,000	4.8	42,700	16.7	28,900	3.4	
048		1600	12.0	48,200	14.7	57,400	5.1	50,100	16.9	37,000	3.6	24.0W x 32.5D x 46.0H
060		2000	15.0	59,300	13.9	73,100	4.9	62,000	15.7	47,800	3.6	
070		2200	18.0	67,500	14.6	78,900	4.8	70,000	16.2	52,200	3.5	26.0W x 33.25D x 54.125H

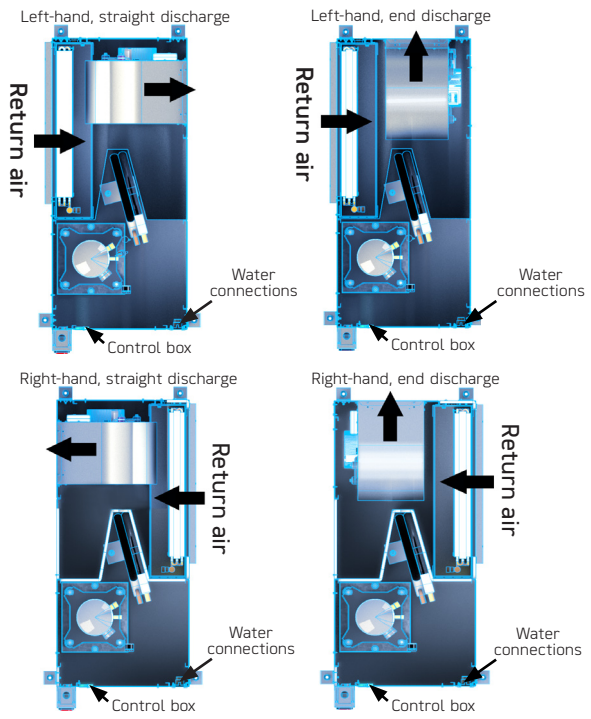
AHRI performance data – Compact model GCH with EC motor

Unit Size	Motor Type	CFM	GPM	Water Loop (Boiler Tower)				Ground Loop (Geothermal)				Dimensions
				Cooling		Heating		Cooling		Heating		
				Btu/hr	EER	Btu/hr	COP	Btu/hr	EER	Btu/hr	COP	
007	ECM	250	1.75	6,300	15.2	8,100	5.4	6,800	18.3	4,800	3.5	18.9W x 33.9D x 11.5H
009		300	2.25	9,300	13.7	11,800	4.8	9,900	16.2	7,500	3.5	
012		400	3.0	11,800	13.3	15,000	4.4	12,500	15.4	9,500	3.2	
015		500	3.5	14,500	15.6	17,600	5.3	15,300	18.0	10,700	3.9	
019		600	4.5	17,400	16.3	21,200	5.5	18,300	19.0	13,200	3.9	18.9W x 41.9D x 17H
024		800	6.0	23,700	15.4	27,700	4.8	24,600	17.6	17,500	3.3	
030		1000	7.5	28,300	14.0	33,600	4.5	29,400	16.0	21,400	3.3	19.9W x 42.9D x 17.3H
036		1200	9.0	36,200	14.9	41,900	4.8	37,500	17.2	26,600	3.3	
042		1400	10.5	41,100	15.2	44,400	4.4	42,600	17.0	30,000	3.2	
048		1600	12.0	47,600	14.9	58,600	4.9	49,100	17.1	38,400	3.7	21.4W x 48.9D x 19H
060		2000	15.0	60,500	13.8	77,400	4.5	61,500	15.5	49,800	3.4	
070		2300	18.0	68,500	14.7	80,000	4.6	71,400	16.9	52,300	3.4	23.9W x 53.9D x 21H

GCV cabinet configurations



GCH/GDH cabinet configurations



FOR MORE INFORMATION ABOUT OUR COMPLETE OFFERING OF HVAC SYSTEMS AND SOLUTIONS, VISIT DAIKINAPPLIED.COM TO FIND AN OFFICE NEAR YOU.