

GEMINI™ Commercial Split Systems



Turn to the Experts.™



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Ideal for Complex Replacement Situations

GEMINI™

Leave it to Carrier to provide you with high-efficiency condensing units in a wide range of capacities along with a number of installation options. Our Gemini™ Commercial Split Systems include cooling-only condensing units, heat pump condensing units and properly matched packaged air handlers to offer a pre-engineered system that meets your specific job requirements. Gemini commercial split systems are factory and field stocked, allowing for immediate and planned replacement. With ASHRAE 90.1 compliant efficiency levels, unmatched flexibility and a wide range of factory-installed options — a Carrier Gemini split system is the perfect fit for your next project.

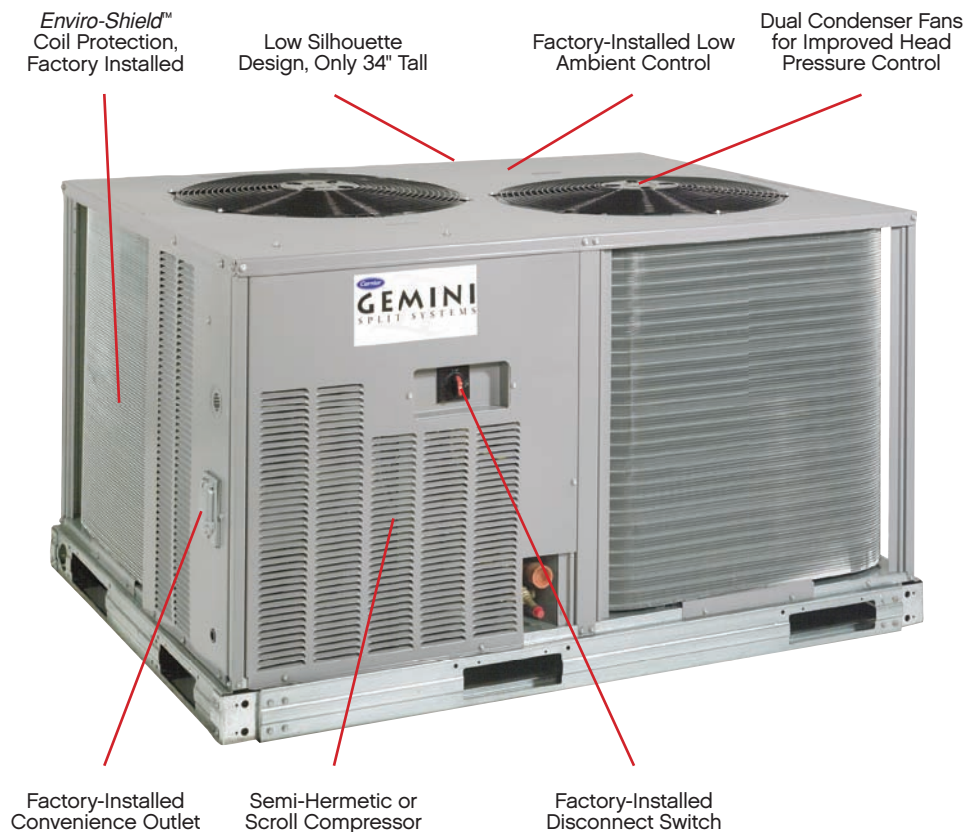
Flexibility

Gemini split systems are ideal for replacement applications or new construction. Gemini condensing units come in a wide range of capacities with single or dual-refrigerant circuits and scroll or semi-hermetic compressors. Carrier's software selection and performance programs make it easy to select just the right indoor unit. Whether it's a Gemini packaged air handler, an Aero™ central station air handler or another type of indoor unit, you'll get the system that precisely meets your needs.

Affordability

Gemini split systems reduce the installation cost of a system, making it one of the most affordable around. Our condensing units are equipped with refrigerant service valves for simple piping installation. We test all units at the factory to ensure reliable start-ups. And our numerous factory-installed options mean reduced field labor requirements. Our 40RM packaged air handler includes factory-installed thermostatic expansion valves (TXVs), prewired fan motor and contactor and a factory-installed filter assembly.

Gemini 38A 6 to 10 Ton Condensing Unit



Efficiency

Gemini condensing units are available with energy efficiency ratios (EERs) up to 12.7 at full load. Carrier's Gemini condensing units also lead the industry in part-load efficiency with Integrated Part-Load Values (IPLVs) up to 16.5. The Gemini 38ARZ condensing units feature highly reliable scroll compressors from 6 to 10 ton. From 10 to 20 ton, the Gemini condensing units are available in single-circuit configuration with semi-hermetic compressors capable of unloading or dual-circuit units using scroll compression on each circuit. Having the single or dual-circuit capability makes Gemini condensing units ideal for new or replacement jobs.

Installation Options

Gemini split systems give you installation options not available with other products. The condensing units take up less space than packaged systems, and 40RM packaged air handlers can be installed horizontally or vertically in a variety of locations. The result is a system that requires a minimal amount of valuable interior or exterior space and preserves the aesthetics of a building's interior and exterior.

The Right Level of Control

Carrier offers a wide array of state-of-the-art direct digital control (DDC) products that optimize the performance of our commercial systems. Whether the system is constant volume or uses Carrier's 3V™ zoning system, the simple control interface provided in Gemini split systems provides compatibility with numerous control types.

For stand-alone units, Carrier's Debonair® programmable thermostat is a wall-mounted, low-voltage thermostat with separate heating and cooling set points for up to three different day schedules. With one-degree control accuracy, desired space temperature is ensured to within one degree of set point. The large ThermoGlow® display makes important information easy to read.

Carrier's PremierLink™ controls add reliability and efficiency and are simple to use. Designed and manufactured exclusively by Carrier, the controls can be used to actively monitor and control all modes of operation, as well as monitor a large number of diagnostics and unit features. For enhanced system operation, PremierLink controls can integrate multiple units into a single networked system.

All units utilizing PremierLink controls may also be connected to the 3V zoning system. The 3V control system is Carrier's light commercial system designed to maximize occupant comfort and minimize utility costs. It allows building devices to be accessed remotely or on-site and ensures that building climate and energy control are operating according to specifications.

For all your comfort needs, Carrier has the right level of control.



40RM

- 40RM 6 to 30 Ton DX Cooling Only
- 40RMO 7.5 to 25 Ton Heat Pump
- 40RMS 7.5 to 30 Ton Chilled Water



38A 12.5 to 20 Ton Condensing Units

- 38AKS 12.5 to 20 Ton Single Circuit Semi-Hermetic Cooling Only
- 38ARD 12.5 to 20 Ton Dual Circuit Dual Scroll Cooling Only
- 38AQS 15 Ton Single Circuit Semi-Hermetic Heat Pump



38AKS / AH

- 38AH 20 to 130 Ton Dual Circuit Semi-Hermetic Cooling Only
- 38AH 40 to 80 Ton Single Circuit Option
- 38AH 20 to 130 Ton Variable Air Volume (VAV) Option for Additional Capacity Steps
- 38AKS 25 to 40 Ton Single Circuit Semi-Hermetic Cooling Only

Selection Guide

	Cooling Only				Heat Pump	
	Single Circuit		Dual Circuit		Single Circuit	
Nominal Tonnage	Scroll Compressor	Semi-Hermetic Compressor with Capacity Control	Semi-Hermetic Compressor with Capacity Control	Dual Scroll Compressor	Scroll Compressor	Semi-Hermetic Compressor with Capacity Control
6	✓				✓	
7 1/2	✓				✓	
10	✓	✓		✓	✓	
12 1/2		✓		✓		
15		✓		✓		✓
20		✓	✓	✓		
25		✓	✓			
30		✓	✓			
40		✓	✓			
50		✓	✓			
60		✓	✓			
70		✓	✓			
80		✓	✓			
90			✓			
100			✓			
120			✓			
130			✓			

Benefits at a Glance

For Building Owners & Managers

- Delivers greater occupant comfort
- Reliable performance
- Quiet operation
- Easy to maintain
- Reduces operating costs

For Consulting Engineers

- Proven reliable design
- ASHRAE 90.1 compliant
- Simple to select
- Optimized capacity unloading
- System-integrated controls

For Contractors

- Factory and field stocked
- Ideal for replacement projects
- Easy to start-up and operate
- Extensive factory-installed options
- Reduces installation expenses

Turn to the Experts

Whatever your HVAC needs, from specifying and purchasing to installation and maintenance, Carrier has the solution. As the world leader in heating, ventilation and air conditioning, Carrier is committed to continually improving the quality of comfort for our customers.

From concept to finished product, your local Carrier sales representatives walk with you every step of the way.

Whether you have one building, multiple sites nationwide or special equipment and facility requirements, Carrier sales representatives will recommend a solution that fits your scope and budget.



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