

ASTON SERIES COMPACT

COMMERCIAL UNITS



GEOSTAR
AFFORDABLE RENEWABLE CLEAN

HIGH EFFICIENCY IN A SMALL FOOTPRINT.

The Aston Compact offers the industry's best efficiencies and features while maintaining a compact footprint. Its small size and extended range operation make it the ideal solution for the replacement of boiler/tower applications as well as commercial geothermal installations. Available in capacities from 0.75- to 6-ton, the Aston Compact was built around our Aurora family of communicating controls and carries options like hot gas reheat and bypass; a factory-installed 24V motorized on/off water valve option for VFD pumping with automatic internal water flow control; and variable speed ECM or 5-Speed ECM to fit any need. The Aston Compact utilizes environmentally friendly refrigerant and is more than twice as efficient as ASHRAE 90.1 standards. It's the perfect fit for those who need outstanding comfort, unmatched efficiency and low operating costs.

ASTON SERIES COMPACT SIZES AND PERFORMANCE

SIZE

0.75-6 TON

EFFICIENCY

3.7-4.8 COP

18.0-30.0 EER



VERTICAL DIMENSIONS

MODEL	A	B	C
009 - 012	30.2"	22.5"	22.2"
015 - 018	40.2"	22.5"	26.2"
024 - 030	44.2"	22.5"	26.2"
036 - 038	44.2"	25.5"	31.2"
042 - 049	48.2"	25.5"	31.2"
060 - 072	52.2"	25.5"	31.2"

HORIZONTAL DIMENSIONS

MODEL	A	B	C
009 - 012	17.2"	22.5"	35.0"
015 - 018	19.2"	22.5"	42.0"
024 - 030	19.2"	22.5"	45.0"
036 - 038	21.2"	22.5"	48.0"
042 - 049	21.2"	25.5"	53.0"
060 - 064	21.2"	25.5"	61.0"
070 - 072	21.2"	25.5"	68.0"

PRIMARY FEATURES

✓ **COMPRESSOR:** The Aston Compact includes either a Copeland K-5 Scroll™ or LG rotary compressor for single speed units or Copeland Scroll UltraTech™ compressors in dual capacity systems. These compressors are available in commercial voltages and are mounted on a double isolation system.

✓ **COAXIAL HEAT EXCHANGER:** Oversized and convoluted heat exchangers are featured with copper inner tube (optional cupronickel) and steel outer tube. This component is designed for maximum heat transfer at normal and low water flow rates to minimize pressure drop.

✓ **FILTER RACK:** A redesigned filter rack includes a standard 1" filter rail with a MERV 4 filter. Options include a 1" or 2" four-sided filter rack suitable for ducted applications or a 2" filter rail with MERV 13 filters for non-ducted applications.

✓ **REFRIGERANT CIRCUIT:** Units utilize low GWP refrigerant in sealed circuits. Metering is accomplished with a bi-flow thermostatic expansion valve to deliver optimum flow over a wide range of conditions without troublesome check valves. A four-way solenoid activated reversing valve defaults to heating and is "cool brazed" at the factory.

✓ **AIR COIL:** GeoStar Aston Compact units feature an aluminum air coil to provide high efficiencies at low face velocities as well as the ultimate in durability. An optional AlumiSeal™ coating is also available for added protection.

✓ **CONTROLS:** Our Aurora controls platform is standard. Optional FX10 microprocessor controls with N2 and BACnet compatibility are also available.

✓ **WATER LINES:** Copper FPT waterline connections are securely mounted flush to the cabinet corner post.




✓ **CABINET:** A heavy gauge, environmentally friendly galvanized steel cabinet provides a great resistance against corrosion. Multiple knockouts in various sizes facilitate power and low voltage wiring.

✓ **BLOWER MOTOR:** Optional 5-Speed ECM and variable speed ECM blower motors are available for improved efficiency and comfort.

✓ **ADDITIONAL OPTIONS:**

- Hot Gas Reheat and Bypass (015-072)
- 460V models with 5-Speed ECM motor option do not require the additional neutral wire
- Sound kits for quiet operation
- Factory installed disconnect, Phase Guard and GeoStart soft start
- Composite or stainless steel drain pans with secondary drain connections
- Extended range coaxial heat exchanger and piping insulation

Performance Data and Unit Ratings can be found on  **WeDoGeo.com**

Contact your GeoStar Sales Representative for assistance.

Variable Speed ECM Motor and 5-Speed ECM Motor:
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 ratings based upon 208V operation

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Manufactured by WFI Industries, 9000 Conservation Way, Fort Wayne, IN 46809-9794.
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