

WHY CHOOSE DUNHAM-BUSH CHILLERS?

*Built for Efficiency.
Trusted Worldwide.*



DCLC-D Hercules Centrifugal Chiller

What Sets Dunham-Bush Apart:



Sustainability and Efficiency

Models are AHRI-certified (often 100% performance success) and many are ETL-certified, meeting ASHRAE 90.1 standards for energy efficiency.



Over 130 year Legacy

Founded in the U.S. in 1894, DB is among the oldest commercial HVAC manufacturers, combining proven heritage with innovation.



Global Quality backed Locally

Global engineering strength paired with strong U.S. sales and service ensures both innovation and local responsiveness.



Custom/Modular Design

Scroll, screw, and centrifugal chillers are available in scalable configurations, offering redundancy (e.g. twin compressors), inverter drives, and microprocessor controls.

Dunham-Bush at a Glance:

Dunham-Bush offers a complete lineup of air-cooled and water-cooled chillers using scroll, screw, and centrifugal compressors—with capacities from about 10 RT to 1,000 RT (and up to ~1,900 RT for AVX-A internationally). These units use low-GWP refrigerants such as R454b, HFO-R513a, R407C, and R134a, and are AHRI-certified, ETL listed, and designed to meet ASHRAE 90.1 energy requirements. With built-in modular redundancy, inverter-driven compressors on select models, and smart controllers, Dunham-Bush delivers flexible, energy-efficient, and reliable solutions for commercial and industrial applications.



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Air-Cooled Chillers



ACHX-D – Helios Screw Series:

Available from ~93 RT to ~298 RT (329–875 kW) in the U.S., larger variants internationally up to ~439 RT. Featuring twin-compressor redundancy, aluminum micro-channel condensers, AHRI-certified (meeting ASHRAE 90.1), advanced microprocessor control, and HFO-R513a refrigerant.

ACDS – Zeus Scroll Series:

U.S. models range from ~10 to ~180 RT (35–633 kW), ETL and AHRI certified, modular scroll-based design, efficient plate heat exchangers, and use R454b refrigerant.

AVX-A – Achelous Air-Cooled Screw Chiller:

The AVX-A features high-efficiency vertical screw compressors, a flooded shell-and-tube evaporator, and advanced microprocessor controls. Designed for standard or high ambient conditions, it runs on R513A refrigerant and is AHRI certified for proven performance.

ACM – Athena Series Magnetic Bearing Chiller

The ACM-AE is a high-efficiency, air-cooled chiller with oil-free magnetic bearing centrifugal compressors and EC condenser fans for quiet, reliable performance. It features a flooded evaporator with cleanable copper tubes, an integrated economizer for improved efficiency, and a weatherproof design. R134a refrigerant and advanced controls ensure energy savings and long-term dependability.

Water-Cooled Chillers

DCLC – Centrifugal Series:

DCLC-M magnetic-bearing models: ~75–1,000 RT (264–3,517 kW), oil-free inverter compressors, high efficiency and minimal noise. DCLC-D (dual-stage) supports up to ~1,000 RT+, expandable, AHRI certified, green refrigerants.

WCFX-V – Poseidon Water-Cooled Rotary Screw:

The WCFX-E features quiet, high-efficiency vertical screw compressors, a flooded shell-and-tube evaporator and condenser, and advanced controls via the DB Director touchscreen interface. It's AHRI certified, runs on R513A refrigerant, and delivers strong full- and part-load performance.



Other Product Categories

Light Commercial Units:

Includes WPCS packaged water-cooled units and rooftop air-cooled ACPS models—scroll compressors with green refrigerants, compact footprints, ETL/AHRI ratings, ideal for mid-range installations.

Airside & Specialty Equipment:

Central station air handlers (CS3/eCS3/SCS3), fan coil units, precision thermal storage systems, IoT-enabled Chiller Plant Manager (CPM) & DB-C2C remote diagnostics.