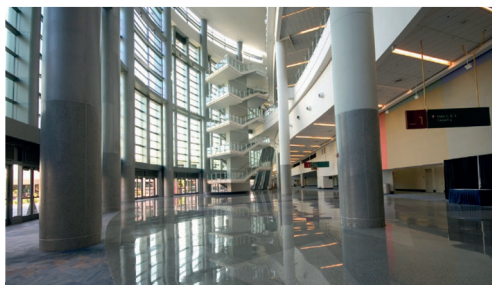




ZEUS

Air Cooled Scroll Chillers ACDSV 60Hz

Cooling Capacity: 10~100TR (35~632kW)



Office Buildings



Sports Facilities



VFD Compressors



ACDSV
35 ~632 kW (10~100TR)



Dunham-Bush

Dunham-Bush ACDSV Air Cooled Scroll Chillers uses environmentally sound HFO R-454B refrigerant having no ozone-depletion potential and a low global-warming potential. The entire product line features energy efficiency, installation ease, control flexibility, high reliability, compact footprint and advanced controls.

Features and Benefits

ACDSV Air Cooled Scroll compressors Chillers are designed for Commercial/Industrial applications and provide the same high quality and efficiency as reciprocating or Screw Compressor.

Compressors

Inverter scroll compressors for commercial air conditioning deliver cooling capacity using variable-speed technology. These compressors provide step-less modulation and are pre-equipped for tandem configurations.



Brazed plate heat exchanger

Plate Heat Exchanger is designed to deliver premium performance. Specially constructed heat transfer plates feature a corrugated channeling system that maximizes heat transfer. Hot and cold fluids flow along counter-current paths on either side of the plates resulting in low temperature approaches and the highest heat recovery of any heat exchanger design.



Unit Casing

Casing is constructed from heavy gauge galvanized steel and have a powder coated baked finishing, offers excellent corrosion resistance for outdoor applications, which withstand up to 1000 hours salt spray test in accordance to ASTM V-117.

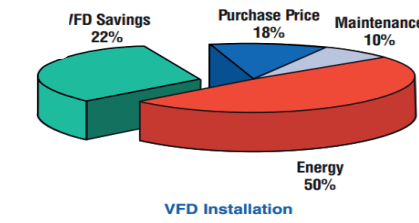
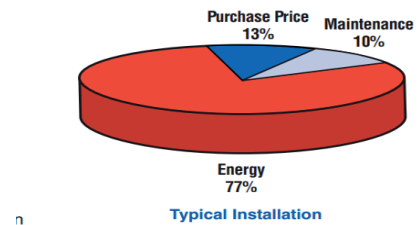


DB Director

DB Director Controller is equipped with RS485 and Ethernet communication ports as standard. This user-friendly design allows Building Management Systems (BMS) to interface directly with the chiller via either of Modbus RTU, Modbus IP, or BACnet IP communication protocol. LONworks or BACnet MSTP communication protocol can be established with installation of an optional adapter.

VFD Compressor

Inverter compressors are the best way to exceed the energy standards for part-load and seasonal efficiency while providing several other key benefits. The inverter technology, accurately adjust the capacity of the air conditioner's system to match the building load.



Lower Cost of Ownership

The typical compressor cost of ownership consists of three components: initial purchase price, maintenance, and energy costs. Of these, energy costs are approximately 77% of the cost of operating ownership an compressor. By lowering energy costs by as much as 35%, life cycle costs are dramatically reduced.

Standard & Optional Features

| Item | Standard | Optional |
|--|--|--|
| Water Connection | Victaulic groove | Flanged; Marine Waterbox |
| Low ambient version | — | 30 °F, 0 °F, -20 °F |
| Evaporator Insulation Thickness | 1"[25mm] | 2"[50mm] |
| Compressor Isolation Valve | Discharge | Suction & Discharge |
| Vibration Isolator | — | Rubber in shear; Spring Isolator |
| Protective grill condenser | — | Wire fit top guard, Hail Guard |
| Main Incoming Options | Main power supply monitoring module (OUVR) | Ground Fault Protection (GFI); Digital Power Meter (DPM); Main INCOMING Isolator |
| Communication Protocol | Modbus RS485 | BACnet MSTP; LONworks; ModBus TCP/IP; BACnet TCP/IP |
| Vessel Code Compliance | — | ASME |
| Compressor Extended Warranty | 1 Year | 2 Years; 5 Years |

