

## WIDEST RANGE OF ENERGY EFFICIENT AIR CONDITIONERS IN AFRICA



### Residential & Light Commercial Split Units

The Dunham-Bush range of Residential and Commercial Air Conditioners are state-of-the-art and energy efficient.

They are available in various platforms:

- Midwall Splits
- Under ceiling Splits
- In Ceiling Med & Hi Static
- Cassette Splits
- Air Curtain
- Full Range of Inverters
- VRF Systems

All of the platforms noted above are available in Heat Pump and Cooling only, as well as R410a.




**AFVX Series  
Air Cooled  
Screw Chillers**

Cooling Capacity  
from 299 - 2251 kW  
(85-640 TR)

AFVX Series Air cooled Screw chiller Cooling Capacity from 299 – 2251 kW (85 – 640 TR)

The AFVX Series features:

- Industrial Grade Vertical Screw Compressors
- Dunham-Bush Flooded Shell & Tube Evaporator and Economizer Cycle for The Highest Efficiency and ESEER Values in the Industry
- Adaptive DDC Microprocessor Control
- R134a and R22



**WCFX Series  
Water Cooled  
Screw Chillers**

WCFX Series Water cooled Screw chiller Cooling Capacity from 200 - 2610 kW (57 - 742 TR)

The WCFX Series features:

- Industrial Grade Vertical Screw Compressors
- Dunham-Bush Flooded Shell & Tube Evaporator and Condenser for The Highest Efficiency and ESEER Values in the Industry
- Adaptive DDC Microprocessor Control
- R134a and R22



**DCLC Series  
Centrifugal  
Chillers**

Cooling Capacity from 1055 - 10548 kW (300 - 3000TR)

The DCLC Series features:

- Single-Stage Positive-Pressure Compressor with High Efficiency and Compact Size
- Flooded Evaporator
- Automatic Refrigerant Purifier
- Advanced Control System
- Optional VFD
- R134a



**Solar Equipment**



**CO<sub>2</sub> Compressor Package**



**Hot Water Generators**

Dunham-Bush International (Africa) (Pty) Ltd

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Since 1906



### Air Cooled Split Systems

Cooling Capacity from 18 - 105 kW (48 - 360 MBH)

The HEB Series features:

- Belt Driven Motor / Drive Package
- Galvanized and Coated Steel Construction
- Optional Heaters (hot water & electrical)

Ex Stock



### DBV4+ Heat Recovery System

- Three-Pipe Heat Recovery System for simultaneous heating and cooling allows for a variety of applications.
- High efficiency and energy-saving, thanks to the DC inverter compressor and DC fan motor, as well as the Heat Reclaim Technology. Longer
- Quick cool / heat change over by the Mode Selector (MS box).

Ex Stock



### Hot Water Generator

The Hot Water Generator Series features:

- Saves up to 70% on electricity used to generate hot water
- Lowers CO<sub>2</sub> emissions (Carbon footprint)
- Can be connected to current hot water geyser
- Easy installation – no structural changes
- Adjustable up to 60 degrees Celsius
- Keypad controlled with timer function
- Environmentally friendly refrigerant
- Low maintenance
- Can run off small standby generator

Ex Stock



### Computer Room Units

Cooling Capacity from 32 - 91 kW (9 - 26 TR)

The DB Aire Series features:

- Dual Scroll Compressors
- Air Cooled Water Cooler and Chilled Water
- Humidifier & Microprocessor Precision Control included
- Up- and Downflow Configurations



### WCPS-B Series Water Cooled Packaged Units

Cooling Capacity from 18 - 447 kW (80 - 1520 MBH)

- Floor Standing and In Ceiling
- Scroll Compressors
- Dunham-Bush Patented Shell & Tube Condenser
- Rigid and Compact Design
- R407c and R22

Ex Stock



### ACPSB Series Rooftop Packages

Cooling Capacity from 127 - 542 kW (36 - 154 TR)

The ACPSB-Q Series features:

- Scroll Compressors
- Rigid and Custom Built Design for Outdoor Application
- Economiser Section, Heat Pump, Heat Wheels, Desuperheaters for hot water, CO<sub>2</sub> Sensors, Full coastal speck, soft starters, VSD condenser fans, Evap Cooled are all options
- R407c and R22

Ex Stock



### CR-C/H Series Ceiling Concealed Fan Coil Units

Air Volume from 390 - 2580 m<sup>3</sup>/h (230 - 1518 CFM)

The CR-C/H Series features:

- Low (C) and High (H) Static Pressure Models
- CE Marking
- Low Noise Blowers
- Heater & Valve Kits

Ex Stock



### CR-C/H-P Series Ceiling Concealed Fan Coil Units with Plenumbox

Air Volume from 390 - 2580m<sup>3</sup>/h (230 - 1518 CFM)

The CR-C/H-P Series features:

- Low (C) and High (H) Static Pressure
- CE Marking
- Plenum Box for Air Return (filter optional)
- Heater & Valve Kits
- Low Noise Blowers

Ex Stock



### Ammonia

Dunham-Bush Screw Compressor Packages are available in nominal capacities from 231 - 1885 m<sup>3</sup>/h (2950 RPM - 50 Hz) or 278 - 2263 CFM (3550 RPM - 60 Hz) featuring 11 sizes including 3-stage oil separator, liquid injection oil cooling, stepless capacity control and optional vapour injection.



### ICE-CEL®

Dunham-Bush Patented Ice Thermal Storage Systems, ICE-CEL® features:

- Modular and High Efficiency Tanks from 422 - 844 kWh
- Only -3.5°C Brine Required in Freezing Mode
- Fibreglas Double Wall Tanks
- Full Poly Ethylene (High Density) Heat Exchanger for Durability and Efficiency

Comprehensive Service Backup

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