



PRODUCT & SOLUTIONS CATALOG

Commercial HVAC Solutions



Engineered heating, cooling and ventilation for commercial and industrial buildings. Every major brand, any capacity.

2015

ENGINEERING-LED SINCE

Unlimited

TONNAGE · CLASS A
LICENSE

TACLA78040E

TEXAS TDLR LICENSE

Engineers first. Since 2015.

Punbar Air was founded in 2015 by a team of engineers who kept seeing the same problem: HVAC systems that were the wrong size or installed poorly, costing owners energy, comfort and equipment life.

We set out to fix it with engineering discipline. Today we supply and install commercial and industrial HVAC equipment from the industry's leading manufacturers, and we choose every system on data: load, airflow, efficiency and total cost of ownership.



PERFORMANCE-BASED CONTRACTING

We scope each project by the result you need, not by a fixed list of tasks. We evaluate the building and any existing equipment, then specify the system that meets your performance targets. That means no unnecessary upgrades and fewer costly change orders.

Engineering-led

Load calculations and system design come before equipment selection.

Any brand, any capacity

We supply every major manufacturer, with no tonnage limit.

Ready to export

Equipment specified for 50/60 Hz and local voltages, worldwide.

Licensed for commercial projects of any size

TEXAS DEPARTMENT OF LICENSING & REGULATION

Air Conditioning & Refrigeration Contractor — Class A

TACLA78040E

Unlimited capacity. No tonnage or BTU limits on the equipment we sell, install or service.

Environmental Air Conditioning endorsement. Comfort heating, cooling and ventilation in commercial and industrial buildings.

EPA Section 608 certified refrigerant handling.

WHAT WE CAN DO FOR YOU

- **Equipment supply**
Every major commercial HVAC brand, new equipment and parts.
- **System selection & design**
Options compared by efficiency, lead time and cost.
- **Retrofit & replacement**
Phased change-outs that keep your building open.
- **Contractor & trade supply**
Equipment for licensed contractors and resellers.
- **Engineering & load calculations**
Right-sized systems backed by calculation, not guesswork.
- **Installation & start-up**
Licensed installation and manufacturer start-up.
- **Efficiency optimization**
Airflow testing, diagnostics and controls tuning.
- **International supply**
50/60 Hz and multi-voltage equipment for export.

Don't see what you need?

Send us your project. We'll find the right equipment and the right way to deliver it.

REQUEST A QUOTE →

punbarair.com
832-736-4432



INDUSTRIES WE SERVE

Comfort systems for every kind of building

Each building type has its own loads, schedules and air-quality needs. We specify equipment for how the space is actually used.

01 Corporate & Office

Quiet, zoned comfort for productive workspaces.

02 Retail & Shopping Centers

Rooftop systems sized to traffic and storefront loads.

03 Restaurants & Hospitality

Dining-room comfort and make-up air for kitchens.

04 Hotels & Lodging

Room-by-room control guests notice.

05 Healthcare & Medical Offices

Filtration, ventilation and humidity control.

06 Education & Campuses

Fresh air and efficient systems for classrooms.

07 Houses of Worship & Venues

Systems built for large rooms and peak crowds.

08 Warehouses & Distribution

Heating and cooling for large open spaces.

09 Manufacturing & Industrial

Workforce comfort in demanding environments.

10 Multifamily & Property Management

Reliable equipment across many units.

11 Government & Municipal

Code-compliant, documented projects.

12 Fitness & Recreation

High ventilation and humidity control.

Rooftop & Packaged Units

Heating and cooling in one self-contained cabinet, set on the roof or on a pad. Packaged units keep equipment out of the building and are simple to service.

CAPACITY RANGE
3 – 150+ tons

KEY FEATURES

- Cooling-only, gas/electric and heat pump models
- Variable-speed compressors and fans
- Economizers for free cooling on mild days
- Factory controls, BACnet-ready
- Low-GWP refrigerant options available

IDEAL FOR

Retail

Offices

Schools

Restaurants

Warehouses

Churches

CONFIGURATIONS

- + Horizontal or downflow airflow
- + Hot-gas reheat dehumidification
- + Curb adapters for replacements
- + 50/60 Hz · multiple voltages

Typical capacity range across manufacturers; availability varies by brand and model. Specifications subject to change.

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Commercial Split Systems

An outdoor condensing unit matched to an indoor air handler or fan coil. A good fit when roof space is limited or equipment needs to stay inside.

CAPACITY RANGE
5 – 120+ tons

KEY FEATURES

- Condensing units matched to indoor air handlers
- Multi-stage compressors for part-load efficiency
- Ground, roof or mezzanine placement
- Heat pump and cooling-only models
- Reuses existing ductwork in retrofits

IDEAL FOR

Offices

Medical offices

Retail

Mixed-use

Industrial mezzanines

CONFIGURATIONS

- + Air-cooled condensing units
- + Vertical or horizontal AHUs
- + Electric or hot-water heat
- + 50/60 Hz · multiple voltages

Typical capacity range across manufacturers; availability varies by brand and model. Specifications subject to change.

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VRF / VRV Systems

Variable Refrigerant Flow connects one outdoor unit to many indoor units, each with its own control. Inverter compressors adjust capacity to what each room needs.

CAPACITY RANGE

6 – 40+ tons per outdoor system, scalable

KEY FEATURES

- Individual control for dozens of zones
- Heat recovery: heat and cool at the same time
- Inverter compressors, high part-load efficiency
- Small refrigerant piping instead of large ducts
- Wall, cassette, ducted and floor indoor units

IDEAL FOR

Hotels

Offices

Schools

Clinics

Multifamily

Historic retrofits

CONFIGURATIONS

- + Heat pump or heat recovery
- + Air- or water-cooled
- + Central controls / BMS link
- + 50/60 Hz · multiple voltages



Typical capacity range across manufacturers; availability varies by brand and model. Specifications subject to change.

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Chillers & Chilled-Water Plants

Chilled-water plants cool large buildings and campuses from one central system. We choose air-cooled and water-cooled chillers by load profile, efficiency and life-cycle cost.

CAPACITY RANGE

10 – 4,000+ tons

KEY FEATURES

- Scroll, screw and centrifugal compressors
- Variable-speed drives for part-load efficiency
- Air-cooled (no tower) or water-cooled
- Cooling towers, pumps and plant controls
- Magnetic-bearing, oil-free options

IDEAL FOR

Office towers

Hospitals

Universities

Hotels

Airports

Industrial facilities

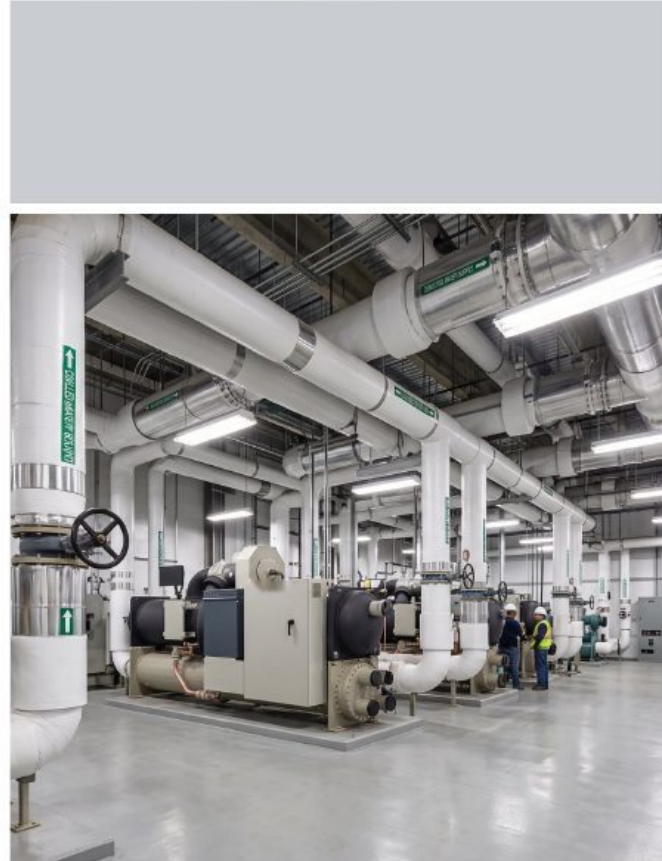
CONFIGURATIONS

- + Packaged or modular
- + Low-GWP refrigerants
- + Plant optimization controls
- + 50/60 Hz · multiple voltages

Typical capacity range across manufacturers; availability varies by brand and model. Specifications subject to change.

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Air Handling Units & Fan Coils

Air handlers move, filter and condition air through the building. We supply everything from packaged indoor units to custom AHUs, sized to your airflow and air-quality targets.

CAPACITY RANGE

1,000 – 100,000+ CFM

KEY FEATURES

- Chilled-water, DX and hot-water coils
- EC fan arrays and direct-drive plenum fans
- MERV 8 to MERV 16 filtration
- Energy recovery and economizer sections
- Fan coil units for room-level control

IDEAL FOR

Hospitals

Offices

Schools

Auditoriums

Hotels

Labs

CONFIGURATIONS

- + Indoor or outdoor casing
- + Double-wall construction
- + Modular or custom-built
- + 50/60 Hz · multiple voltages

Typical capacity range across manufacturers; availability varies by brand and model. Specifications subject to change.

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Commercial Ductless & Mini-Splits

Ductless systems bring efficient, quiet comfort to places where ductwork won't fit: additions, retail suites, offices and renovations.

CAPACITY RANGE

9,000 – 48,000 BTU/h per indoor unit

KEY FEATURES

- Inverter-driven for precise temperatures
- Wall, cassette, ducted and console styles
- Fast installation, minimal disruption
- Heat pump models for year-round comfort
- Wi-Fi and central control options

IDEAL FOR

Offices

Retail suites

Classrooms

Clinics

Additions

Guard houses

CONFIGURATIONS

- + Single- or multi-zone
- + Low-ambient heating models
- + Condensate pumps
- + 50/60 Hz · multiple voltages

Typical capacity range across manufacturers; availability varies by brand and model. Specifications subject to change.

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Commercial Heat Pumps

Heat pumps heat and cool with one system by moving heat instead of burning fuel. They cut operating costs and help buildings meet electrification goals.

CAPACITY RANGE

Water-source 0.5 – 25 tons · Air-source up to 50+ tons

KEY FEATURES

- Packaged, split and water-source (WSHP) models
- Geothermal / ground-source compatible
- Variable-speed compressors
- Cold-climate models for low-ambient heat
- Supports electrification targets

IDEAL FOR

Offices

Schools

Hotels

Multifamily

Senior living

Mixed-use

CONFIGURATIONS

- + Console, vertical, horizontal
- + Electric auxiliary heat
- + Water-loop systems
- + 50/60 Hz · multiple voltages

Typical capacity range across manufacturers; availability varies by brand and model. Specifications subject to change.

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Commercial Heating Equipment

Dependable heat for occupied spaces, loading docks and large open areas. Gas-fired and electric equipment is sized to each space's heat loss and ventilation load.

CAPACITY RANGE

30,000 – 400,000+ BTU/h per unit

KEY FEATURES

- Gas-fired and electric unit heaters
- Commercial furnaces and duct furnaces
- Make-up air units to replace exhaust
- Infrared heaters for high-bay spaces
- High-efficiency condensing models

IDEAL FOR

Warehouses

Workshops

Loading docks

Restaurants

Gyms

Garages

CONFIGURATIONS

- + Natural gas or propane
- + Separated combustion
- + Direct / indirect-fired MAU
- + 50/60 Hz · multiple voltages

Typical capacity range across manufacturers; availability varies by brand and model. Specifications subject to change.

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Indoor Air Quality & Ventilation

Healthy buildings need the right amount of clean, dry outdoor air. Our ventilation and IAQ equipment meets code while keeping humidity and energy use in check.

CAPACITY RANGE

500 – 30,000+ CFM (DOAS & ERV)

KEY FEATURES

- Dedicated Outdoor Air Systems (DOAS)
- Energy and heat recovery ventilators
- Commercial dehumidification
- High-efficiency filtration and UV-C
- Supply and exhaust fans

IDEAL FOR

Schools

Healthcare

Offices

Gyms

Hotels

Assembly spaces

CONFIGURATIONS

+ Designed to ASHRAE 62.1

+ CO₂ demand-controlled

+ Airflow monitoring

+ 50/60 Hz · multiple voltages

Typical capacity range across manufacturers; availability varies by brand and model. Specifications subject to change.

REQUEST A QUOTE →

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832-736-4432

Controls & Building Automation

Controls turn good equipment into an efficient system. Thermostats, zoning and building automation schedule, monitor and tune HVAC across one site or a whole portfolio.

CAPACITY RANGE

From single-zone thermostats to multi-building BAS

KEY FEATURES

- Smart and programmable commercial thermostats
- BACnet and Modbus building automation
- Remote monitoring, alarms and trending
- Occupancy scheduling and demand ventilation
- Energy dashboards and reporting

IDEAL FOR

Multi-site retail

Offices

Schools

Hotels

Property portfolios

Campuses

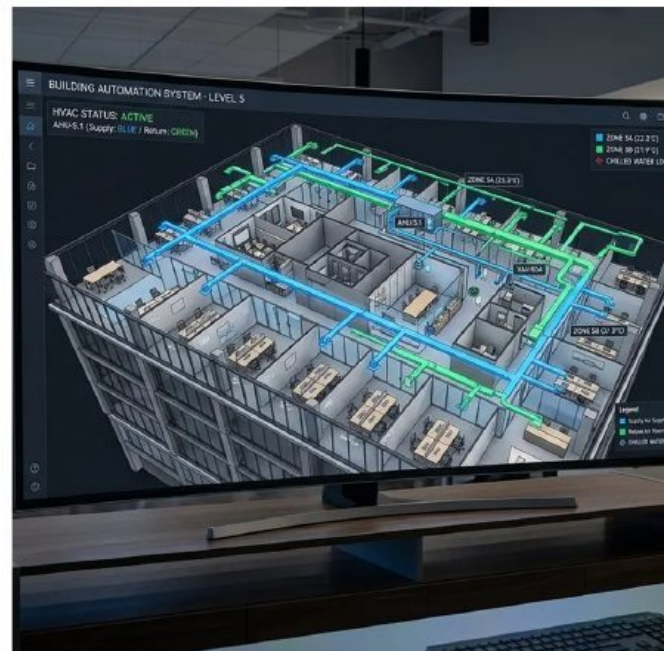
CONFIGURATIONS

- + Cloud or on-premise
- + Links RTUs, VRF and chillers
- + Wireless sensors
- + Retrofit-friendly

Typical capacity range across manufacturers; availability varies by brand and model. Specifications subject to change.

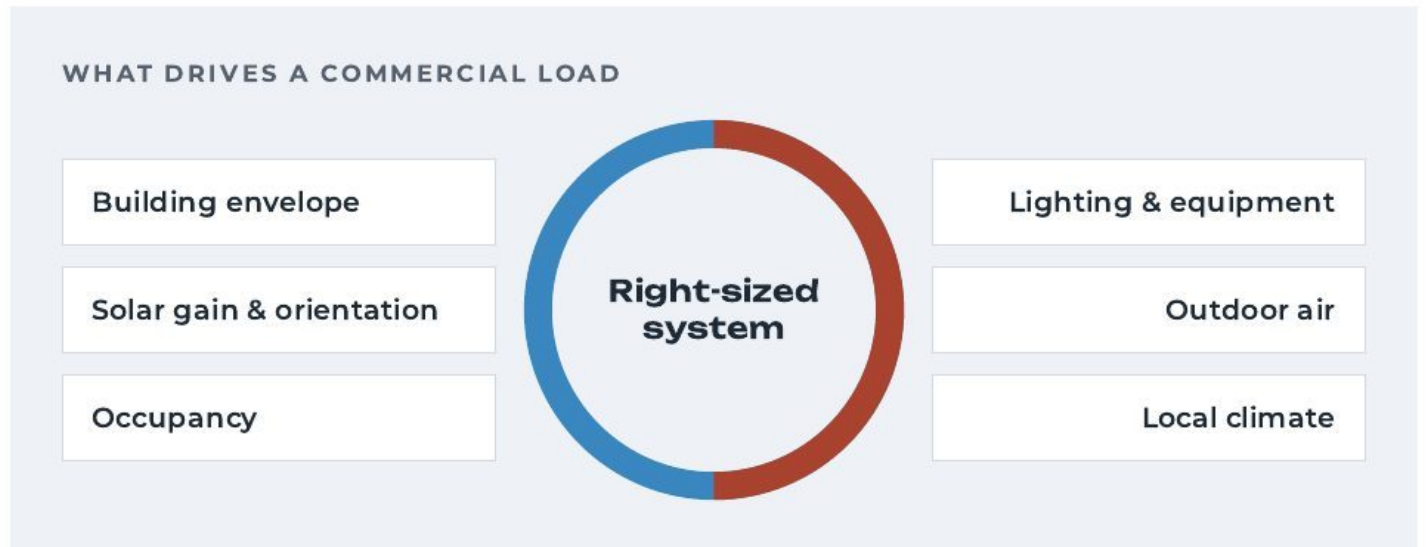
REQUEST A QUOTE →

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Engineering & System Design

Most HVAC problems start on paper. An oversized unit short-cycles and leaves the space humid; an undersized one never catches up. We calculate first and select second.



Load calculations

Commercial heating and cooling loads calculated with ASHRAE methods.

Equipment selection

Brand-neutral comparison of efficiency, lead time and cost.

Duct & airflow design

Duct sizing and air distribution for quiet, even comfort.

Ventilation & code

Outdoor-air design to ASHRAE 62.1 and energy codes.



Installation, Retrofit & Replacement

A great unit installed badly performs badly. Our crews follow manufacturer requirements from rigging to start-up, and we plan replacements so your building stays open.



A TYPICAL ROOFTOP REPLACEMENT



New construction

Coordination with GCs, submittals and scheduled deliveries.

Phased change-outs

After-hours and staged work to keep tenants comfortable.

Rigging & crane lifts

Lift plans, curb adapters and safe roof work.

Manufacturer start-up

Start-up checks and documentation to protect the warranty.

Efficiency Optimization

We measure how your system actually performs and fix what's costing you money, whether that's new equipment or a better-tuned existing system.

WHERE EFFICIENCY IS LOST

- 01 Leaky or undersized ducts**
Conditioned air lost before it reaches the room.
- 02 Incorrect airflow**
Coils and compressors working outside their design range.
- 03 Oversized equipment**
Short cycling, poor humidity control, extra wear.
- 04 Failed economizers**
Free cooling lost on mild days.
- 05 Poor control schedules**
Systems running full-tilt in empty buildings.

Airflow testing & balancing

Measured airflow and static pressure, corrected to design.

Controls & economizer tuning

Schedules, setpoints and free cooling working as intended.



Performance diagnostics

Temperature split, refrigerant circuit and electrical checks.

High-efficiency upgrades

VFDs, EC motors and right-sized replacement equipment.

From first call to a running system

Four steps, one accountable team. It works the same whether we install the system or supply equipment to your project anywhere in the world.

01

Evaluation

We review the building, existing equipment, loads, goals and budget, on site or from your drawings.

- + Site survey or plan review
- + Load and airflow assessment
- + Goals, budget and timeline

02

Proposal

Clear options with brands, efficiency, lead times and total cost of ownership, and a scope with no surprises.

- + Brand and model options
- + Lead times and logistics
- + Detailed scope and quote

03

Installation

Licensed installation to manufacturer requirements, or delivery-ready supply for your own contractor.

- + Permits and coordination
- + Rigging and installation
- + Supply-only and export shipping

04

Start-up

Commissioning and performance checks so the system runs the way it was designed.

- + Manufacturer start-up
- + Performance verification
- + Documentation and warranty registration



Every major brand. One partner.

We're not tied to one manufacturer, so the recommendation fits your project.
Ask about any brand, including ones not shown here.



All trademarks, logos and brand names are the property of their respective owners and are shown to identify the equipment we supply. Product availability varies by region and manufacturer.

Clear terms, protected equipment

How warranties, refrigerants, taxes and international orders work with Punbar Air.

Manufacturer warranties

Equipment carries the original manufacturer's warranty under that manufacturer's terms. Coverage for equipment installed outside the United States varies by manufacturer and destination country; we confirm it with each quote.

Refrigerants

Refrigerants are supplied only to EPA Section 608–certified technicians or licensed contractors, as required by federal and Texas regulations.

International orders

Equipment is configured for the destination's voltage and frequency (50/60 Hz). The buyer is responsible for import duties, local codes and permits. Exports are subject to U.S. export regulations.

Qualified installation

To keep factory warranties valid, equipment must be installed and started up by a licensed or qualified HVAC contractor, per the manufacturer's instructions.

Trade & resale

Texas sales and use tax applies where required. We accept valid resale and exemption certificates from qualified contractors and resellers.

Quotes & specifications

Pricing is provided by quotation only. Capacities and specifications are typical ranges and may change without notice; final selections are confirmed in writing.

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Let's build your next project.

Tell us about the building and the equipment you need. We'll reply with options, lead times and a clear quote.

SEND US

- 01** Project location and building type
- 02** Equipment needed, or existing model numbers
- 03** Capacity, if known (tons, BTU/h or CFM)
- 04** Electrical: voltage, phase and frequency (Hz)
- 05** Target timeline and delivery address

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