

DTI 6401- 6501 | RECESSED COOLING UNITS

7000 - 11000 Btu/h



The DTI 6401 - 6501 series cooling units have about 2x greater cooling capacity than the DTI 6202/6301. These cooling units also utilize a long internal air path to capture heat above the components and provide cool air below. These units are ideal for mounting on a cabinet door and are partially recessed for space restricted installations.

Partially Recessed

For space restricted installations, ideal for door mount.

Easy Installation and Maintenance

Tool-free spring plate design keeps the unit safely in place and allows mounting by 1 person in less than 3 minutes with 55% lower mounting costs. Direct access to the PCB and the fans means 80% shorter repair times.

Thermal Overload Protection

Compressor and fan motors are outfitted with integral temperature switches to shut down the unit in the event of excessive temperature.

Pressure Overload Protection

High pressure cutout switch ensures safety by shutting off the compressor in the event of excessive pressure appearing in the refrigeration circuit.

Closed Loop Design

Designed to isolate the external ambient air from the internally conditioned air eliminating the risk of contaminants entering the cabinet.

Thermal Expansion Valve

Regulates the flow of refrigerant based on thermal demand for efficient performance over the entire operating temperature range.

Efficient Circulation

Large distance between intake and exhaust vents for efficient air circulation and elimination of hot spots.

Environmentally Friendly

Utilizes HFC-free R134a refrigerant versus a blended refrigerant for easier service and minimized negative impact to the environment.

Energy Efficient Hibernation Mode

When cooling isn't necessary due to equipment shutdown or cold weather conditions, the unit conserves energy by turning fans off - except for periodic cycling for circulating air within the enclosure.

Phase Protection

Three-phase 400/460 VAC powered units are protected from phase mis-wiring.

ERP Efficiency Certified

As a component of the Kyoto Protocol to reduce carbon monoxide emissions, the European Energy Related Products (ERP) Directive includes an efficiency rating for fans. Pfannenberg proudly utilizes components which adhere to these requirements for up to 43% energy savings and operating costs reduction.

Maintenance Free, Filterless Design

The wide fin spacing is less susceptible to clogging from dirt buildup which can cause the unit to work harder and hamper efficiency.

External Display

For visual temperature monitoring.

High Airflow Backward Curve Impeller Fan

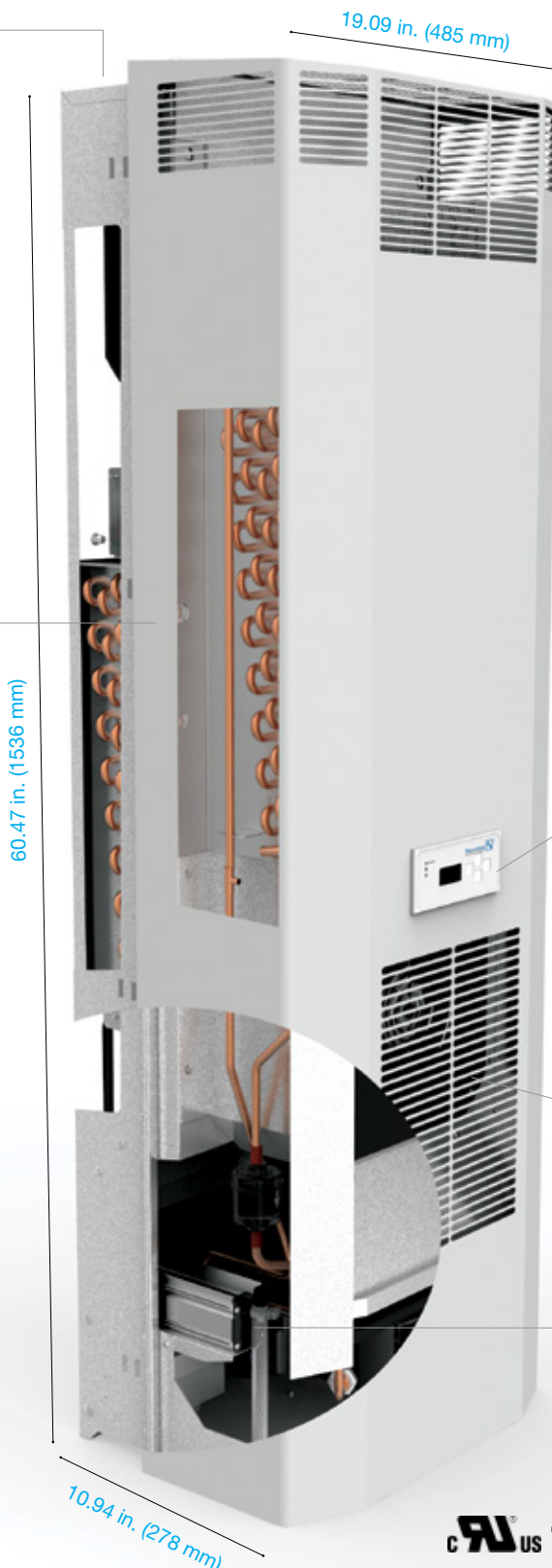
Provides high airflow in a long lasting, single bearing design. Outperforms typical two-bearing blowers with nearly twice the lifespan.

Hermetically Sealed Compressor

The absence of any refrigerant fill valves eliminates leak paths. Recharging is never needed. 100% cooling capacity efficiency is ensured.

Active Condensate Management

Condensation is a natural by-product of refrigeration. The heated condensate collection pan boils this off thereby eliminating the need for drain tubes and buckets. To conserve power, this heater only activates when necessary.





DTI 6401 - 6501 Series (7000 - 11000 Btu/h) Recessed Cooling Units

Model Number	Part Number	Voltage (VAC)	Frequency (Hz)	Power Consumption (W)	Nominal (Run) Current @ 35A/35A °C	Fuse (maximum) Class CC	Noise Level (according to EN ISO 3741) dB(A)	Weight (without packaging) lb (kg)
DTI 6401	13896422055	400/460	50/60	735 / 908	2.8 / 2.6	16	<65	139 (63)
Design	Housing: galvanized sheet steel Cover: electrostatically powder coated RAL 7035 (light grey);							
DTI 6501	13896522055	400/460	50/60	1048 / 1247	3.3 / 3	16	<65	148 (67)
Design	Housing: galvanized sheet steel Cover: electrostatically powder coated RAL 7035 (light grey);							

Additional Data		DTI 6401	DTI 6501	
Ambient Temperature Range		+ 59 ... + 131 / + 15 ... + 55		°F / °C
Control range (adjustable)	SC	+ 77 ... + 113 / + 25 ... + 45; factory setting + 95 / + 35		
Refrigerant	type	R134a		
	quantity	1400		g
Condensate management		integrated condensate evaporation system with safety overflow		
Protection system according to EN 60529	IP54	towards the electrical enclosure if used as intended by the manufacturer		
	IP34	towards the surroundings if used as intended by the manufacturer		
Accessories		Consult Factory		



For additional technical data, drawings and templates.
www.pfannenbergsusa.com

Available Models:



DTI 6401
Indoor Rated



DTI 6501
Indoor Rated

Cooling Capacity Performance Curves

How to use these charts

Example: @ 95 °F (ambient, X-axis),
@ 95 °F (internal, diagonal lines)
DTI 6401 = 6820 Btu/h cooling capacity (Y-axis)
DTI 6501 = 8550 Btu/h cooling capacity (Y-axis)

