ActivCool™ DTS 5000 Series

4,000–10,000 Btu/h Cooling Units

SMARTER. SAFER. READY FOR THE FUTURE.



Protecting People, Machines and the Environment

Pfannenberg
ELECTRO-TECHNOLOGY FOR INDUSTRY

ActivCool™ DTS 5000 Series

Environmentally Friendlier
Comes standard with low-GWP R-513A refrigerant, meeting stringent environmental regulations and rated A1 (non-flammable) for safety.

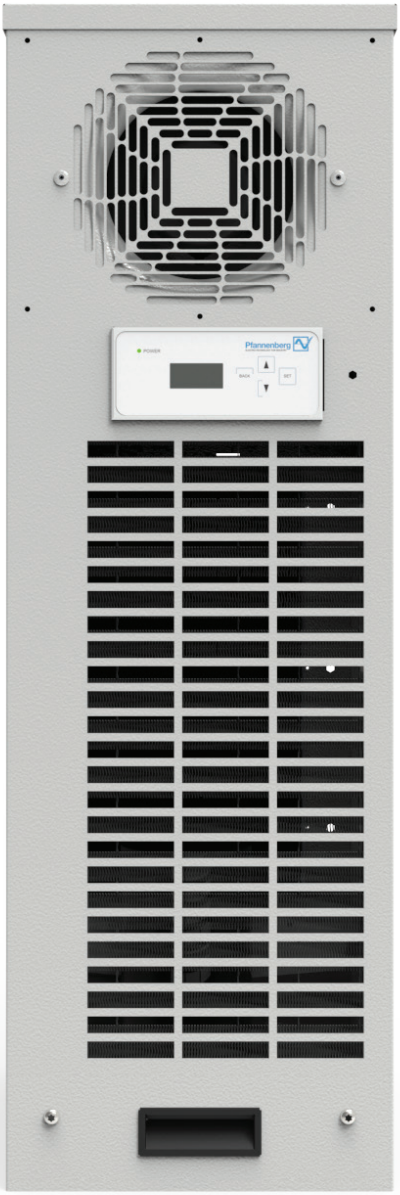
Pressure Overload Protection
High pressure cutout switch ensures safety by shutting off the compressor in the event of excessive pressure appearing in the refrigeration circuit.

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

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.

Easy Installation
The unit is shipped with the gasket installed saving installation time.

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



Ease of Serviceability
Critical components are serviceable from outside the enclosure, improving safety by eliminating the need to open the energized electrical enclosure.

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

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

Efficient Circulation
Large evaporator for increased airflow path especially critical in densely packed electrical enclosures.

Compact Width
This unit is designed for side-mounting on electrical enclosures. Will fit most 12” wide cabinets.

Active Condensate Management
Condensation is a natural byproduct 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.

UL 60335

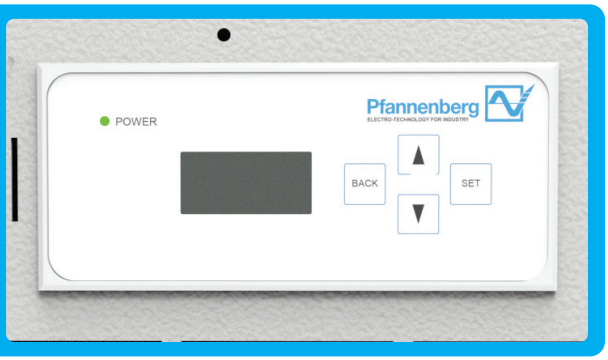
Closed Loop Cooling Units

The **DTS 5000** Series keeps control cabinets cool so your lines run to plan—**delivering fast installation**, **clean integration**, and **safer service** access from outside the enclosure.

This compact side-mount design fits tight spaces and is built for tough plant environments, with versions for everything from standard indoor areas to demanding washdown zones. Choose **LED status indication or a full digital display** for clear, at-a-glance visibility in any facility.

Choose the Interface That Fits Your Operation

Designed for different operator needs, the **DTS 5000** series offer a clear LED status indicator or an advanced digital display for real-time insight. Choose the **LED for quick at-a-glance status or the Digital Display** for full operational visibility.



Industry Applications

The **DTS 5000** Series is ideal for controlling heat in enclosure in indoor spaces, outdoor industrial environments, and washdown zones across food & beverage processing, robotic packaging and conveyor systems, and emerging energy installations.





DTS 5541 and 5341 Indoor

Automation & Warehouse

NEMA Type 12

For control panels and enclosures in automation and warehouse environments, providing reliable thermal management to protect sensitive electronics from heat generated by drives, PLCs, and power supplies.





DTS 5561 and 5361 Outdoor

Solar & Energy

NEMA Type 3R/4

Enclosure cooling for applications exposed to harsh outdoor conditions. Built to withstand temperature extremes and environmental exposure, these units protect critical power and control electronics to maintain system performance and reliability.





DTS 5581 and 5381 Washdown

Food & Beverage

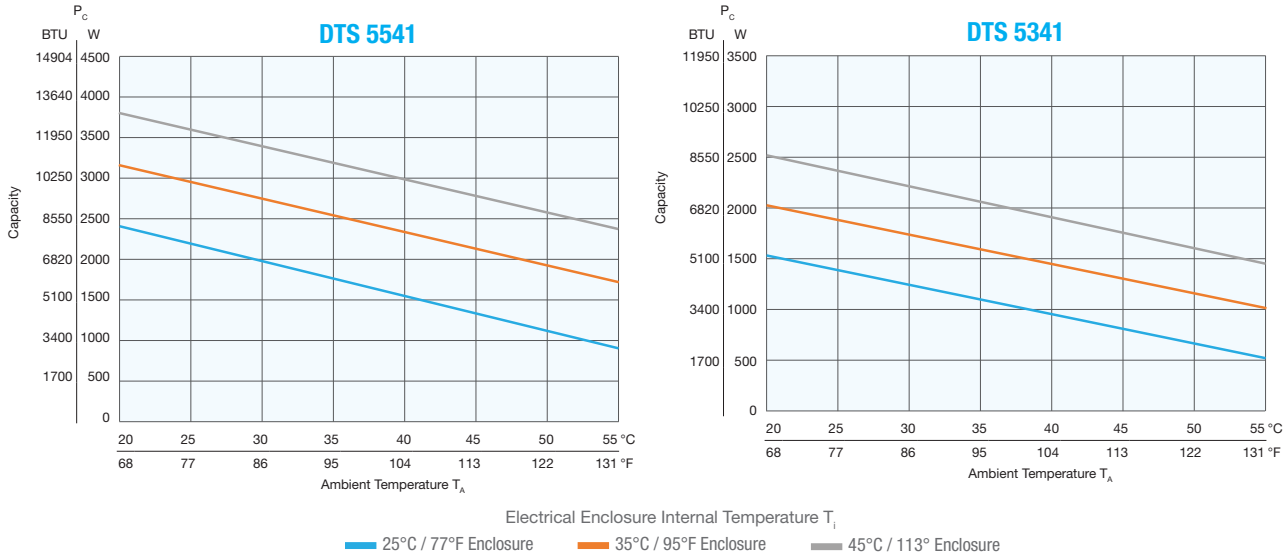
NEMA Type 4/4x

Designed for environments where hygiene and frequent washdowns are required. The corrosion resistant construction supports reliable cooling of enclosures in wet, washdown-intensive areas while helping meet sanitary and operational demands.

DTS 5000 Series (4,000 - 10,000 Btu/h) Side-Mount Cooling Units

Nominal Capacity @35°C/35°C (95°F/95°F)	Model	NEMA Type Rating	Voltage	Digital Display Controller	LED Status Indicator
5600 BTU/hr	DTS 5341	Type 12	115V	13584364255	13584344255
			230V	13584361255	13584341255
			400/460V	13584356255	13584336255
5100 BTU/hr	DTS 5361	Type 3R/4	115V	13584364355	13584344355
			230V	13584361355	13584341355
			400/460V	13584356355	13584336355
5100 BTU/hr	DTS 5381	Type 4/4x	115V	13584364158	13584344158
			230V	13584361158	13584341158
			400/460V	13584356158	13584336158
8900 BTU/hr	DTS 5541	Type 12	115V	13584564255	13584544255
			230V	13584561255	13584541255
			400/460V	13584556255	13584536255
8100 BTU/hr	DTS 5561	Type 3R/4	115V	13584564355	13584544355
			230V	13584561355	13584541355
			400/460V	13584556355	13584536355
8100 BTU/hr	DTS 5581	Type 4/4x	115V	13584564158	13584544158
			230V	13584561158	13584541158
			400/460V	13584556158	13584536158

PERFORMANCE CURVES



Protecting People, Machines and the Environment

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FOR MORE INFORMATION

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