

DTS 3021/31/SS | COOLING UNITS

900 - 1300 Btu/h

The DTS 3021/31/SS series cooling units are ideal for small enclosures and for the cooling of hot spots in larger control cabinets. These units are particularly suited for the food industry and outdoor applications. Available in 3 models; **DTS 3021 (NEMA Type 12)** for indoor use, **DTS 3031 (NEMA Type 3R/4)** designed for outdoor use, and the stainless steel **DTS 3031 SS (NEMA Type 4/4x)** designed for wash-down applications.

Closed Loop Design

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

Thermal Overload Protection

Compressor and fan motors are outfitted with integral temperature switches to shut down the unit in the event of excessive temperature. This increases the operating life of the compressor by preventing thermal overload trips.

Thermal Expansion Valve

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

Hermetically Sealed Compressor

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

Condensate Drain Port

Permits effective collection and drainage of condensation.



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.

Rugged Design

Powder coated steel or stainless steel cover designed for manufacturing environments. Easily painted to match enclosure or machine.

Environmentally Friendly

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

Highest in Class Capacity

The compact, 7 inch width is ideal for small enclosures with a relatively small heat load.





DTS 30X1 Series (900 - 1300 Btu/h) Side-Mount 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)
DTS 3021 Indoor Rated (NEMA Type 12)	13383144255	115	60	243	2.1	15	<64	30 (13.6)
	13383141255	230	50/60	253	1.2	15	<64	30 (13.6)
Design	Housing: galvanized sheet steel Cover: electrostatically powder coated RAL 7035 (light grey); for ANSI 61 grey use part no. ending in ...251							
DTS 3031 Outdoor Rated (NEMA Type 3R/4)	13383144355	115	60	243	2.1	15	<64	30 (13.6)
	13383141355	230	50/60	253	1.2	15	<64	30 (13.6)
Design	Housing: galvanized sheet steel Cover: electrostatically powder coated RAL 7035 (light grey); for ANSI 61 grey use part no. ending in ...351							
DTS 3031 SS Washdown (NEMA Type 4/4x)	13383144158	115	60	243	2.1	15	<64	30 (13.6)
	13383141158	230	50/60	253	1.2	15	<64	30 (13.6)
Design	Housing: stainless steel 304 Cover: stainless steel 304							
Additional Data		DTS 3021		DTS 3031		DTS 3031 SS		
Ambient Temperature Range		+ 46 ... + 114/ + 8 ... + 45						°F / °C
Control range (adjustable) SC		+ 50 ... + 104 / + 10 ... + 40; factory setting + 95 / + 35						
Refrigerant	type	R134a						g
	quantity	145 - 150						
Condensate management		condensate drain						
Protection system according to NEMA Type		12		3R/4		4/4X		against enclosure when properly installed
		NEMA 1 towards the surroundings when properly installed						
Accessories		For spare part kits and additional accessories visit pgs. 74-75 in this catalog						

* For the MCA (Maximum Current Ampacity) value per UL, please consult product technical datasheets available on our website

** SCCR rating - See user manual for instructions to achieve 50 kA (230V) or 200 kA (460V) SCCR Rating

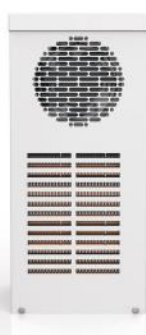


For additional technical data, drawings and templates.
www.pfannenbergusa.com

Available Models:



DTS 3021
Indoor Rated
(NEMA Type 12)



DTS 3031
Outdoor Rated
(NEMA Type 3R/4)

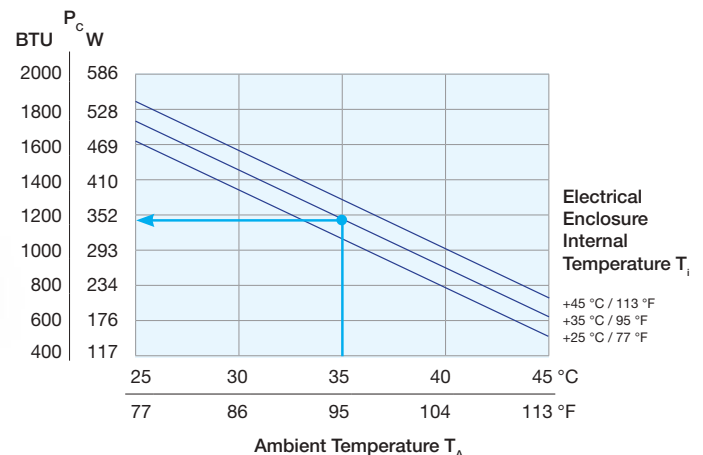


DTS 3031 SS
Washdown
(NEMA Type 4/4x)

Cooling Capacity Performance Curve

How to use this chart

Example: @ 95 °F (ambient, X-axis), @ 95 °F (internal, diagonal lines)
= 1194 Btu/h cooling capacity (Y-axis)



Note: Cooling capacity may vary between voltage and configurations.