

# DTS 32X5 | COOLING UNITS

## 10000 - 13000 Btu/h

The DTS 32X5 series cooling units are one of our most popular and versatile cooling units, newly redesigned with our efficient micro channel condenser. Cutout footprint is compatible with our older 12,000 Btu/h cooling units, allowing for easy upgrade or replacement. Available in 3 models; **DTS 3245 (NEMA Type 12)** for indoor use, **DTS 3265 (NEMA Type 3R/4)** designed for outdoor use, and the stainless steel **DTS 3285 (NEMA Type 4/4x)** designed for washdown 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.

### 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.

### Pluggable power connection

Easily made without opening the chassis.

### Easy Access Control Panel

Electrical controls are easily accessible with the flip down access panel.

### Corrosion Protection

Outdoor and washdown units have a special coating on pipes and coils on the ambient side of the unit to provide maximum protection from saltwater, sour gas, and other corrosive substances.

### Thermal Expansion Valve

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

### 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.

### High Ambient Performance

The DTS 3000 Series Cooling Units were designed utilizing high temperature compressors and larger condensers. Both the indoor NEMA Type 12 units and outdoor units perform very well in environments that require cooling where the maximum ambient temperature is 131° F. High ambient options are also available to 140° F.

### Lifting Lug Ports

Threaded holes accommodate the installation of lifting lugs to facilitate safe installation.

### Environmentally Friendly

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

### Extra Protection from Water

The rain hood is a standard feature for NEMA 3R, 4, and 4X units. This hood provides protection from falling water and direct water sprays.

### Rugged Design

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

### Micro Channel Condenser

Improves efficiency and durability.

### ERP Efficiency Certified

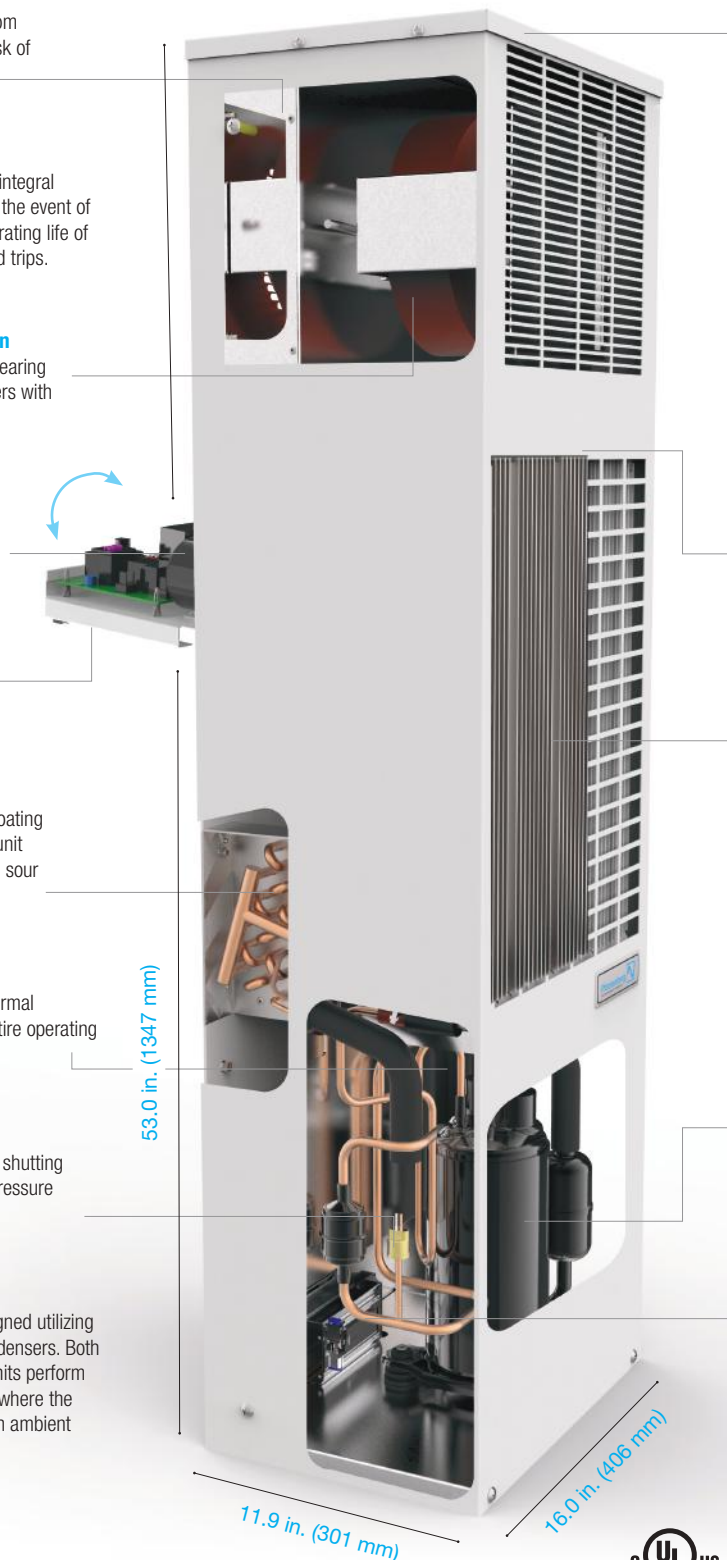
As a component of the Kyoto Protocol to reduce carbon monoxide emissions, the European Energy Related Products (ERP) Directive includes an efficiency rating for fans. Pfannenberg proudly utilizes components which adhere to these requirements.

### 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.





## DTS 32X5 Series (10000 - 13000 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)
<b>DTS 3245</b> Indoor Rated (NEMA Type 12)	13383844255	115	60	1600	16	25	<73	150 (68)
	13383839255	230	50/60	1600	9.4	15	<73	150 (68)
	13383836255	400/460	50/60	1700	2.6	10	<73	150 (68)
Design	<b>Housing:</b> galvanized sheet steel <b>Cover:</b> electrostatically powder coated RAL 7035 (light grey); for ANSI 61 grey use part no. ending in ...251							
<b>DTS 3265</b> Outdoor Rated (NEMA Type 3R/4)	13383844355	115	60	1600	16	30	<73	150 (68)
	13383839355	230	50/60	1600	9.4	15	<73	150 (68)
	13383836355	400/460	50/60	1700	2.6	10	<73	150 (68)
Design	<b>Housing:</b> galvanized sheet steel <b>Cover:</b> electrostatically powder coated RAL 7035 (light grey); for ANSI 61 grey use part no. ending in ...351							
<b>DTS 3285</b> Washdown (NEMA Type 4/4x)	13383844158	115	60	1600	16	25	<73	150 (68)
	13383839158	230	50/60	1600	9.4	15	<73	150 (68)
	13383836158	400/460	50/60	1700	2.6	10	<73	150 (68)
Design	<b>Housing:</b> galvanized sheet steel <b>Cover:</b> stainless steel 304							

Additional Data		DTS 3245	DTS 3265	DTS 3285	
Ambient Temperature Range		+ 59 ... + 131 / + 15 ... + 55	+ 32 ... + 131 / 0 ... + 55		°F / °C
Control range (adjustable)		+ 77 ... + 113 / + 25 ... + 45; factory setting + 95 / + 35			
Refrigerant	type	R134a			
	quantity	1200			g
Condensate management		active condensate evaporation system with safety overflow			
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

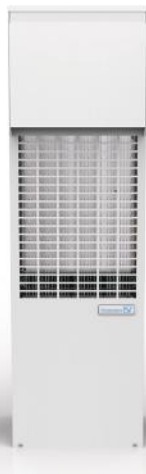


For additional technical data, drawings and templates.  
[www.pfannenbergusa.com](http://www.pfannenbergusa.com)

### Available Models:



**DTS 3245**  
Indoor Rated  
(NEMA Type 12)



**DTS 3265**  
Outdoor Rated  
(NEMA Type 3R/4)

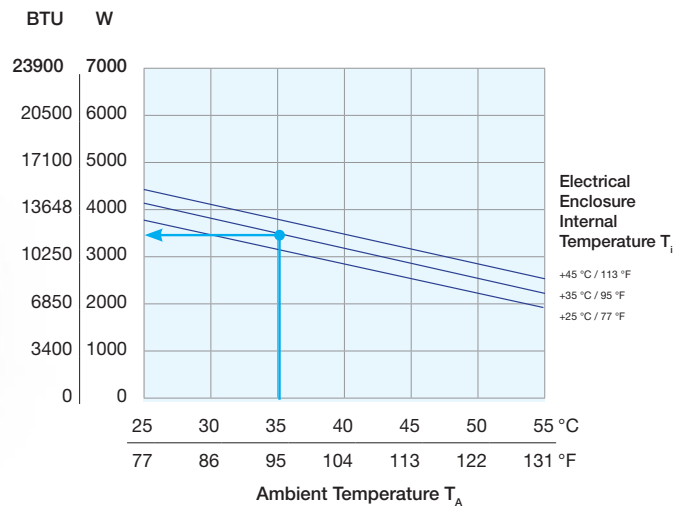


**DTS 3285**  
Washdown  
(NEMA Type 4/4x)

### Cooling Capacity Performance Curve

#### How to use this chart

Example: @ 95 °F (ambient, X-axis), @ 95 °F (internal, diagonal lines)  
= 11500 Btu/h cooling capacity (Y-axis)



Note: Cooling capacity may vary between voltage and configurations.