

DTS 31X5 | COOLING UNITS

5000 - 7000 Btu/h

Our DTS 31X5 cooling units are one of our most popular models. We have updated the design to include a new slimmer profile while still maintaining a high cooling capacity to power ratio. This product is an ideal solution for a wide variety of applications. These units are particularly suited for compact enclosures and are available in 3 models; **DTS 3145** for indoor use, **DTS 3165** designed for outdoor use and the stainless steel **DTS 3185** designed for washdown applications. Available options include a low ambient package and enclosure heater.

ERP Efficiency Certified

The fans in our DTS 31X5 cooling units have been updated for greater efficiency. These fans meet ERP efficiency for use in Europe.

Phase Protection

Our 400/460V models are internally protected from components being wired out of phase.

UL Certified Power Connector

Connect the unit to power without having to open the unit using our new UL Certified pluggable power connector.

Easy Access Control Panel

All of the electrical components are now mounted to an easily accessible control panel. Simply open up the access panel and pull it down to service.

Active Condensate Management

Integrated condensation management using an active condensate evaporator applies electrical heat to remove condensation even when the compressor is idle.

Smaller, Lighter & More Efficient

Our rotary compressor design allows us to reduce the weight and increase the efficiency.

Extra Protection from Water

Rainhoods come standard on 3R, 4 and 4X units. Our DTS 3165 and DTS 3185 come standard with a built in rain hood to provide extra protection for the fan from falling water and direct spray.

Corrosion Protection

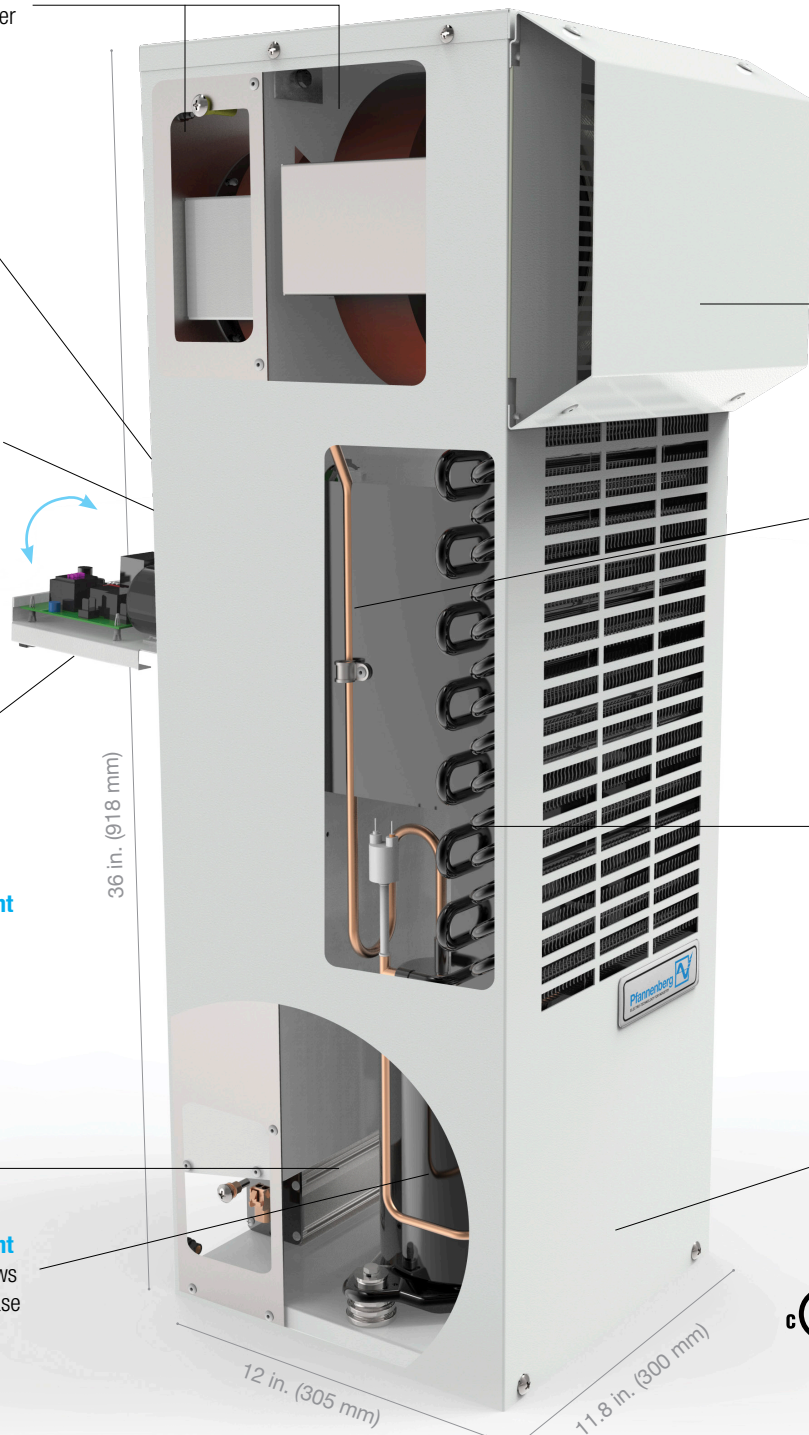
Condensing and piping components on outdoor and wash-down units are coated with a corrosive resistant coating for protection in harsh environments.

Durable Pipe & Coils

Optimized piping design allows for quick repair and high vibration resistance.

New Narrower Footprint

The width of the DTS 31X5 family of cooling units fits on all 12" (300mm) enclosures.



DTS 31X5 Series (5000 - 7000 Btu/h) Side-Mount Cooling Units

Model Number	Part Number RAL 7035 (Light Grey)*	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 3145 Indoor Rated (NEMA Type 12)	133 8364 4255	115	60	1000	8.6	15	<70	108 (49)
	133 8363 9255	230	50/60	1020	4.9	15	<70	108 (49)
	133 8363 6255	460	50/60	1283	1.8	15	<70	108 (49)
Design	Housing: galvanized sheet steel Cover: galvanized/electrostatically powder coated (200 °C)							
DTS 3165 Outdoor Rated (NEMA Outdoor Type 3R/4)	133 8364 4355	115	60	1000	12.6	15	<70	108 (49)
	133 8363 9355	230	50/60	1020	4.9	15	<70	108 (49)
	133 8363 6355	460	50/60	1283	1.8	15	<70	108 (49)
Design	Housing: galvanized sheet steel Cover: galvanized/electrostatically powder coated (200 °C)							
DTS 3185 Washdown (NEMA 4/4x)	133 8364 4158	115	60 ***	1000	8.6	15	<70	108 (49)
	133 8363 9158	230	50/60	1020	4.9	15	<70	108 (49)
	133 8363 6158	460	50/60	1283	1.8	15	<70	108 (49)
Design	Housing: stainless steel 304 Cover: stainless steel 304							

Additional Data	DTS 3145	DTS 3165	DTS 3185	
Ambient Temperature Range	+ 59 ... + 131 / + 15 ... + 55	+ 32 ... + 131 / + 0 ... + 55		°F / °C
Control range (adjustable)	SC	+ 77 ... + 113 / + 25 ... + 45; factory setting + 95 / + 35		
Refrigerant	type	R134a		
	quantity	750		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			

* For additional colors such as ANSI 61 (dark grey) - please contact the factory for details.
 ** SCCR rating - See user manual for instructions to achieve 50 kA (230V) or 200 kA (460V) SCCR Rating
 *** 50 Hz unit available. Consult the factory



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

Available Models:



DTS 3145
Indoor Rated
(NEMA Type 12)

DTS 3165
Outdoor Rated
(NEMA Outdoor Type 3R/4)

DTS 3185
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)
 = 6995 Btu/h cooling capacity (Y-axis)

