

DTS 3000

Cooling Units

306–5795 Watt

Door or side mounting; in the event of limited space inside the cabinet; the routing of cold air to the important components in the cabinet is retained.

Compact design

Robust cooling unit in compact design for smaller cabinets or to cool hot spots.

Stainless steel

In stainless steel or powder coated with IP 56 particularly suitable for outdoor applications.

Robust design

using tested and energy efficient components.

Stainless steel – wash-down

particularly suitable for the food and beverage industry.

Optional pre-filter

for even greater protection for oily air.

Condenser

with large fin spacing enables very long maintenance intervals even without additional Nano coating.

Coated components

in the external circuit actively prevent corrosion caused by aggressive media (copper pipe | solder joints | heat exchanger).

Integrated condensate evaporation;

no puddles of water under the device for increased operation safety.



Introducing the NEMA cooling units.

We have a standard answer for your specific needs:

- Outdoor applications.
- Ambient temperature up to +60 °C (HT models, see page 81).
- Harsh environment.
- Food & Beverage.
- UL listed.



What is NEMA?


National Electrical Manufacturers Association (NEMA) is the association of U.S. manufacturers of electrical equipment that defines the main set of construction standard for the United States and Canada.


Adherence to these standards is guaranteed by the UL certification. NEMA coding (Type 1, 3R, 12, 13, 4, 4X) can be compared with the IP coding (IP 23, 54, 56) but compared to the latter is more comprehensive and includes other factors such as protection against corrosion.


Pfannenber cooling units from NEMA series are **UL listed**.


NEMA PROTECTION	1	3R	12	13	4	4X
Contact with internal contents	•	•	•	•	•	•
Falling dirt	•	•	•	•	•	•
Dripping or splashing water		•	•	•	•	•
Dust			•	•	•	•
Oils and coolants				•		
Sleet and ice		•				
Water jets					•	•
Corrosion						•
IP EQUIVALENT	IP 23	IP 56	IP 54	IP 54	IP 56	IP 56

COOLING UNITS 306–1948 W

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side mounting
- 

protection system
- 

large distance
in/out no hot spots
- 

stainless steel



DTS 3031 SS DTS 3081 DTS 3181 DTS 3185

PRODUCT	DTS 3031 SS	DTS 3081	DTS 3181	DTS 3185		
ARTICLE NO.	SC	13383141158	13382341300	13385441158	13383639158	Unit

DATA		AC 50 60 Hz				
Rated voltage ±10 %		230				V
Cooling capacity according to EN 14511	A35/A35	306	694	1235	1948	W
	A35/A50	–	428	570	1045	
Power consumption	A35/A35	253	663	795	1020	A
Current consumption	A35/A35	1.2	4.1	4	6.2	
Starting current			10.4	10	26	
Pre fuse T		15				
Type of connection		spring-type terminal included with plug				
Unimpeded airflow (free flow)	internal	64	150	190	580	m³/h
Ambient temperature		+8 ... +45		0 ... +55		°C
Control range (adjustable)		+10 ... +40 factory setting +35		+25 ... +45 factory setting +35		
Refrigerant	R134a	145–150	400	400	750	g
Condensate management		integrated condensate evaporation system with safety overflow				
Dimensions (X x Y x Z)		177.8 x 393.7 x 191.4	254 x 512 x 274	395 x 748 x 237	305 x 914 x 305	mm
Weight (net)		14	25	42	49	kg
Degrees of protection according to NEMA		Type 4/4X				
		towards the electrical enclosure if used as intended by the manufacturer				
		1 towards the surroundings if used as intended by the manufacturer				
Design	housing	stainless steel 304				
	cover	stainless steel 304				

For additional models, options and voltages visit www.pfannenberg.com or contact us directly.



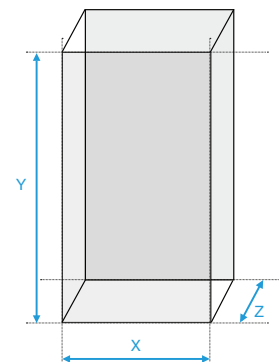
Performance curves on page 160–161.



Comprehensive technical documentation such as

- operating instruction, technical data, approvals
- cut-out drawing, CAD | EPLAN | Zuken | WSCAD data

can be retrieved by entering this webcode in the search window on www.pfannenberg.com



COOLING UNITS 1900–5795 W



DTS 3281 DTS 3285 DTS 3481 DTS 3681

COOLING UNITS

PRODUCT		DTS 3281	DTS 3285	DTS 3481	DTS 3681	
ARTICLE NO.	SC	13385736158	13383836158	13385036158	13383936158	Unit

DATA						
Rated voltage ±10 %		AC 50 60 Hz				
		400/460 3~				V
Cooling capacity according to EN 14511	A35/A35	1900	3325	4759	5795	W
	A35/A50	1758	2280	2078	4678	
Power consumption	A35/A35	1400	1700	1979	2920	
Current consumption	A35/A35	2	2.6	2.5	6.3	A
Starting current		16	8	3.6	25	
Pre fuse T		15				
Type of connection		internal connection	spring-type terminal included with plug		internal connection	
Unimpeded airflow (free flow)	internal	765	1200	2157	2740	m³/h
Ambient temperature		0 ... +55		-4 ... +55	0 ... +55	°C
Control range (adjustable)		+25 ... +45 factory setting +35				
Refrigerant	R134a	700	1200	400	1300	g
Condensate management		integrated condensate evaporation system with safety overflow				
Dimensions (X x Y x Z)		395 x 1209 x 326	411 x 1347 x 365.2	406 x 1440 x 484.5	485 x 1665 x 520	mm
Weight (net)		67	68	79	109	kg
Degrees of protection according to NEMA		Type 4/4X				
		towards the electrical enclosure if used as intended by the manufacturer				
		1 towards the surroundings if used as intended by the manufacturer				
Design	housing	stainless steel 304				
	cover	stainless steel 304				

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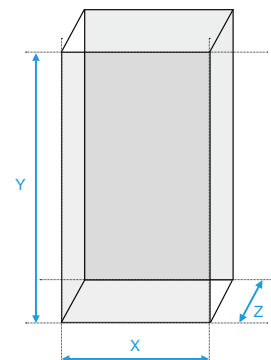
Performance curves on page 161.



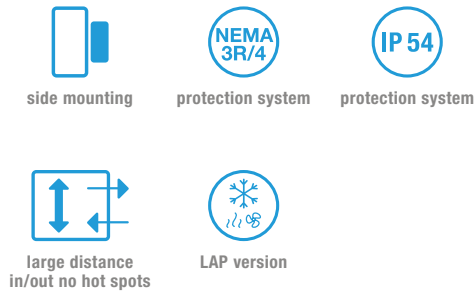
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COOLING UNITS 306–1948 W



PRODUCT	DTS 3031	DTS 3061	DTS 3161	DTS 3165	
ARTICLE NO. SC	13383141355		13385441355	13383639355	Unit
ARTICLE NO. THERMOSTAT		13382341355			
ARTICLE NO. LAP ¹		13382341375	13385441375	13383639375	

DATA		AC 50 60 Hz				
Rated voltage ±10 %		230				V
Cooling capacity according to EN 14511	A35/A35	306	694	1235	1948	W
	A35/A50	–	428	570	1045	
Power consumption	A35/A35	253	663	795	1020	A
Current consumption	A35/A35	1.2	4.1	4	6.2	
Starting current		3.5	14.4	14.9	10	
Pre fuse T		15	15	15	15	
Type of connection		spring-type terminal included with plug				
Unimpeded airflow (free flow)	internal	64	325	595	580	m³/h
Ambient temperature		+8 ... +45	+8 ... +55	0 ... +55		°C
Control range (adjustable)		+10 ... +40 factory setting +35		+25 ... +45 factory setting +35		
Refrigerant	R134a	145–150	400	400	750	g
Condensate management		integrated condensate evaporation system with safety overflow				
Dimensions (X x Y x Z)		177.8 x 393.7 x 191.4	254 x 512 x 274	395 x 748 x 237	305 x 918 x 305	mm
Weight (net)		14	23	40	49	kg
Degrees of protection according to NEMA		Type 3R/4				
		towards the electrical enclosure if used as intended by the manufacturer				
		1 towards the surroundings if used as intended by the manufacturer				
Design	housing	galvanised sheet steel				
	cover	electrostatically powder coated (200 °C)				
Colour	cover	RAL 7035 different colours available on request				

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¹ LAP (Low Ambient Package): includes 900 W enclosure heater and a thermostat to be placed inside the enclosure.



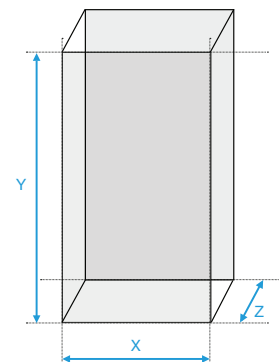
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COOLING UNITS 1900–5795 W



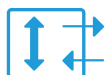
side mounting



protection system



protection system



large distance
in/out no hot spots



LAP version



DTS 3261

DTS 3265

DTS 3461

DTS 3661

COOLING UNITS

PRODUCT		DTS 3261	DTS 3265	DTS 3461	DTS 3661	
ARTICLE NO.	SC	13385736355	13383836355	13385036355	13383936355	Unit
ARTICLE NO.	LAP	13383639375 ¹	13383836375 ¹		13383936065	

DATA

Rated voltage ±10 %		AC 50 60 Hz				
		400/460 3~				V
Cooling capacity according to EN 14511	A35/A35	1900	3325	4963	5795	W
	A35/A50	1758	2280	1980	4678	
Power consumption	A35/A35	1400	1700	1979	2920	
Current consumption	A35/A35	2	2.6	2.5	6.3	
Starting current		16	8	3.6	25	A
Pre fuse T		15				
Type of connection		internal connection	spring-type terminal included with plug		internal connection	
Unimpeded airflow (free flow)	internal	765	1200	2157	2740	m ³ /h
Ambient temperature		0 ... +55		-4 ... +55	0 ... +55	°C
Control range (adjustable)		+25 ... +45 factory setting +35				
Refrigerant	R134a	700	1200	400	1300	g
Condensate management		integrated condensate evaporation system with safety overflow				
Dimensions (X x Y x Z)		395 x 1209 x 326	411 x 1347 x 365.2	406 x 1440 x 484.5	485 x 1665 x 520	mm
Weight (net)		67	68	79	109	kg
Degrees of protection according to NEMA		Type 3R/4				
		towards the electrical enclosure if used as intended by the manufacturer				
		1 towards the surroundings if used as intended by the manufacturer				
Design	housing	galvanised sheet steel				
	cover	electrostatically powder coated (200 °C)				
Colour	cover	RAL 7035 different colours available on request				

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¹ LAP (Low Ambient Package): includes 900 W enclosure heater and a thermostat to be placed inside the enclosure.



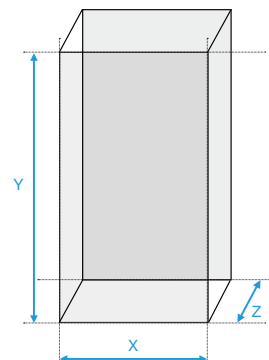
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COOLING UNITS 1235–1900 W



PRODUCT		DTS 3141	DTS 3241	
ARTICLE NO.	SC	13385436255	13385736255	Unit

DATA		AC 50 60 Hz		
Rated voltage ±10 %		400/460 3~	400/460 3~	V
Cooling capacity according to EN 14511	A35/A35	1235	1900	W
	A35/A50	570	1758	
Power consumption	A35/A35	795	1400	A
Current consumption	A35/A35	4	2	
Starting current		10	16	
Pre fuse T		15		
Type of connection		spring-type terminal included with plug		
Unimpeded airflow (free flow)	internal	985		m³/h
Ambient temperature		+15 ... +55		°C
Control range (adjustable)		+25 ... +45 factory setting +35		
Refrigerant	R134a	400	700	g
Condensate management		integrated condensate evaporation system with safety overflow		
Dimensions (X x Y x Z)		395 x 748 x 237	395 x 1209 x 269	mm
Weight (net)		38	54	kg
Degrees of protection according to NEMA		Type 12		
		towards the electrical enclosure if used as intended by the manufacturer		
		1 towards the surroundings if used as intended by the manufacturer		
Design	housing	galvanised sheet steel		
	cover	electrostatically powder coated (200 °C)		
Colour	cover	RAL 7035 different colours available on request		

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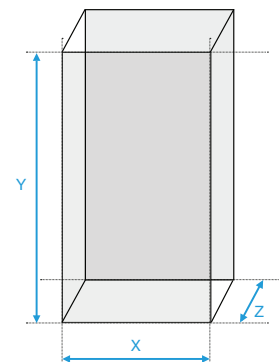
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COOLING UNITS 680–3040 W



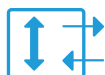
side mounting



protection system



protection system



large distance
in/out no hot spots



ambient
temperature



DTS 3061 HT



DTS 3165 HT



DTS 3265 HT

COOLING UNITS

PRODUCT	DTS 3061 HT	DTS 3165 HT	DTS 3265 HT	
ARTICLE NO.	13392341005	13393641001	13393841001	Unit

DATA					
Rated voltage $\pm 10\%$		AC 50 60 Hz			
		230			V
Cooling capacity according to EN 14511	A35/A35	680	1948	3040	W
	A40/A60	265	845	1405	
Power consumption	A35/A35	360	860	1360	A
Current consumption	A35/A35	1.9	7.8	7	
Starting current		6.5	26	38	
Pre fuse T		10	10	15	
Type of connection		spring-type terminal included with plug			
Unimpeded airflow (free flow)	internal	325	1200	1200	m ³ /h
Ambient temperature		0 ... +60			°C
Control range (adjustable)		+25 ... +45 factory setting +35			
Refrigerant	R134a	400	900	1200	g
Condensate management		integrated condensate evaporation system with safety overflow			
Dimensions (X x Y x Z)		254 x 515 x 279	305 x 914 x 302	406 x 1347 x 301	mm
Weight (net)		23	49	68	kg
Degrees of protection according to NEMA		Type 3R/4			
		towards the electrical enclosure if used as intended by the manufacturer			
		1 towards the surroundings if used as intended by the manufacturer			
Design	housing	galvanised sheet steel			
	cover	electrostatically powder coated (200 °C)			
Colour	cover	RAL 7035 different colours available on request			

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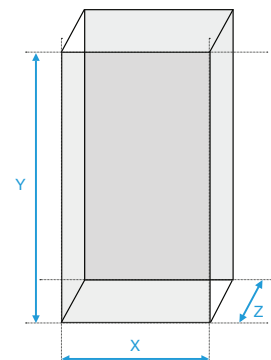
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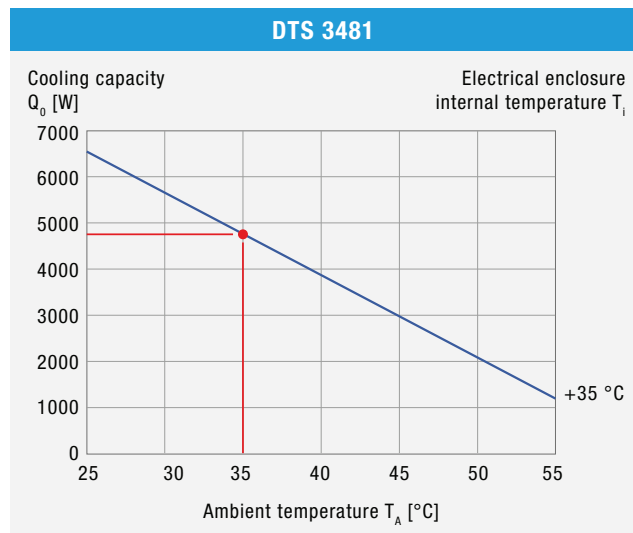
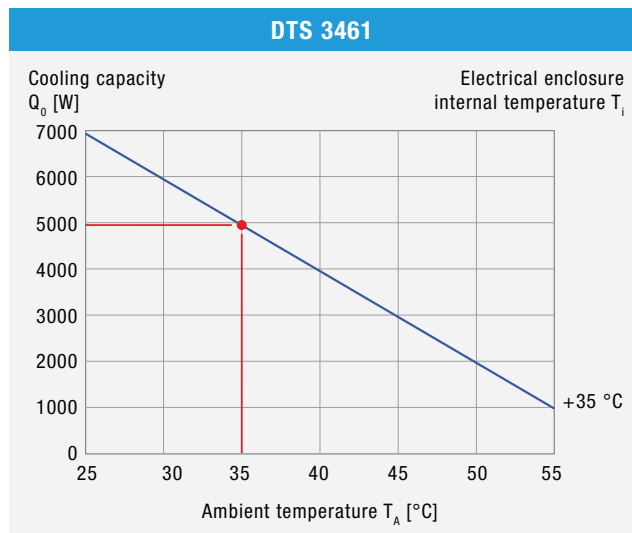
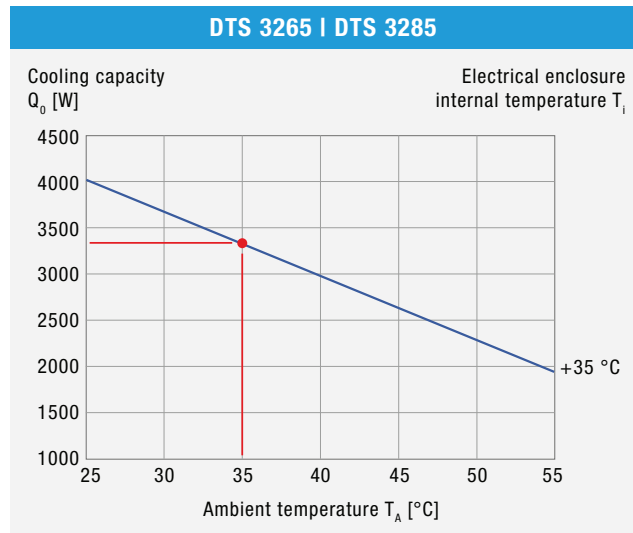
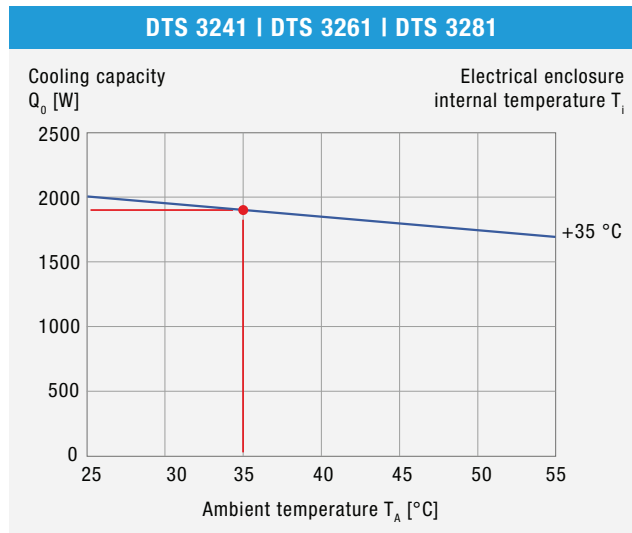
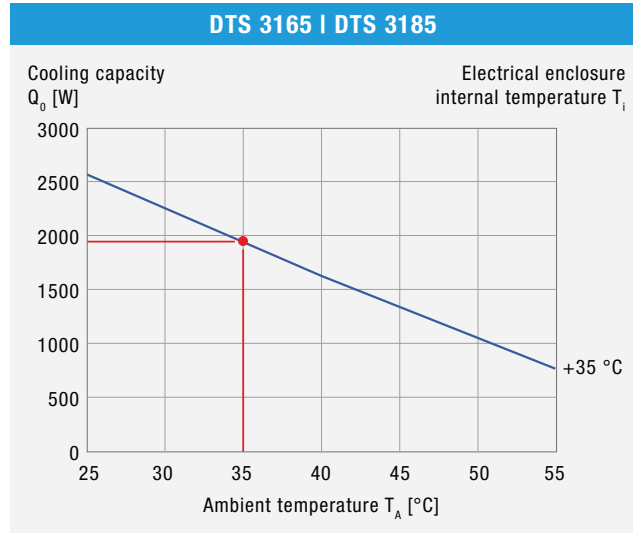
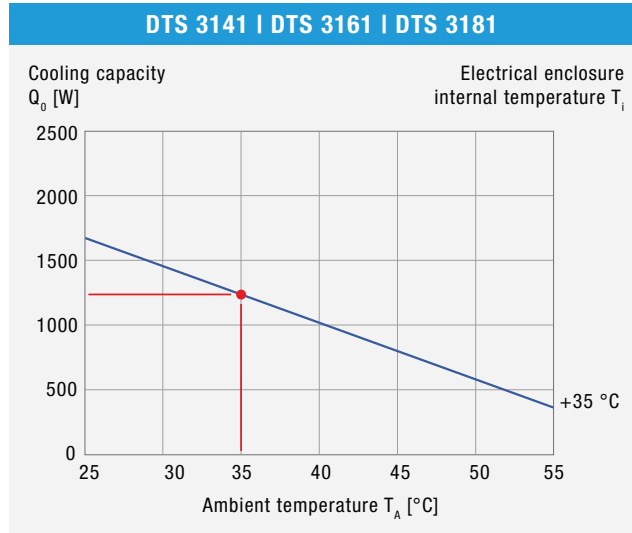
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COOLING CAPACITY



COOLING CAPACITY

