

DTS 8000E

Cooling Units

300–5000 Watt

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

Passed condensation test in extreme environment.
The safety and reliability of the equipment can be guaranteed.

With independent temperature display and control system.

Optional pre-filter
Applicable in extremely dusty and oily environment.

Optional integrated condensate evaporation
Maintenance-free.



Light and slim design, compatible mounting cut-out with 7000 series.

Flexible supply voltage selection (230V & 400V).

4 cooling capacities in one cut-out.

INDOOR COOLING UNITS 300–5000 W



tool-less filter mat changing



protection system



top EER / energy saving



large distance in/out no hot spots



service friendly

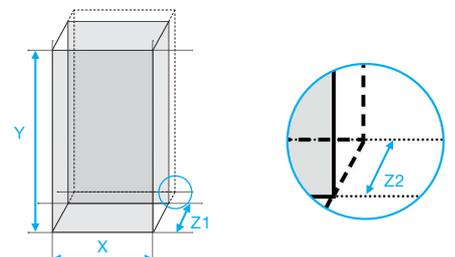


PRODUCT		DTS 8021E	DTS 8031E	DTS 8241E	DTS 8341E	DTS 8441E	DTS 8541E	DTS 8841E	DTS 81241E	Unit	
ARTICLE NO.	230V	130 4809 0325	130 4809 0335	130 8829 0055	130 8839 0055	130 8849 0055	130 8859 0055	130 8049 8055			
	230V CM*		130 4809 0336	130 8829 0066	130 8839 0066	130 8849 0066	130 8859 0066	130 8049 8066			
	400V 2~		130 4809 1335	130 8829 1055	130 8839 1055	130 8849 1055	130 8859 1055	130 8049 2055	13080692017		
	400V 2~CM*		130 4809 1336	130 8829 1066	130 8839 1066	130 8849 1066	130 8859 1066	130 8049 2066	13080692066		
Rated voltage ± 10%		AC 50Hz						AC 50/60 Hz			
		230	230 / 400v 2~				230/400 3~	400 3~		V	
Cooling capacity according to EN 14511	A35/A35	300	500	1000	1500	2000	2500	4000/4200	4340	W	
	A35/A50	150	330	840	900	1400	1800	3300/3500	5800		
Power consumption	A35/A35	285	289/358	513/589	596/632	734/784	1068/1089	1850/1970	2000/2160	2760	
	A35/A50							2130/2250	2390/2500		
Current consumption	A35/A35	1.32	1.47/1.46	2.42/1.90	2.75/2.01	3.40/2.46	4.74/2.95	11.5/7.5		A	
Starting current	A35/A35	1.7	3.5	10.5	11	15	18.4	30			
Pre fuse T		3	3	3.75	4	5	6	15	45		
Type of connection		spring-type terminal included with plug									
Unimpeded airflow (free flow)	internal	224	275	570	1000	1000	1520	1660	3300	m³/h	
	external	282	590	1000	1000	1340	1520	1660	1600		
Ambient temperature		+15 ... +55									°C
Control range (adjustable)		+25 ... +45 factory setting +35									
Noise level (EN ISO3741)		≤62	≤63	≤65	≤65	≤66	≤67	≤68	≤74	dB(A)	
Refrigerant	R134a	120	190	390	390	850	790	1100	930	g	
Condensate management	Condensate drain	Condensate drain; integrated condensate evaporation system optional (CM)									
Dimensions	Y×X×Z	400×282×160	675×325×200	1350×400×200			1350×400×230	1510×485×330	1600×485×400	mm	
Weight (net)		11.5	17.3/25.3	33.5/41.2	34.1/41.8	43.0/50.7	49.3/62.7	70/75	105	kg	
Protection system according to EN 60529	IP54	towards the electrical enclosure if used as intended by the manufacturer									
	IP34	towards the surroundings if used as intended by the manufacturer									
Design	housing	galvanised sheet steel									
	cover	electrostatically powder coated (200°C)									
Colour		RAL7035									
Accessories	Piece										
Filter adaper	1		18060200000				18310000151				
Aluminum fillter	1		-				18300000149				
Fleece filter	5		18061600000				18300000147				
Fluted filter	5		-				18300000148				
External condensate evaporator system	1	18314000001									
Condensate bottle	1	18314000000									

*CM: variant with integrated condensate management system, of which some of the electrical data varies from the table above. Please contact our sales or application engineering for more details.



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.pfannenbergl.com

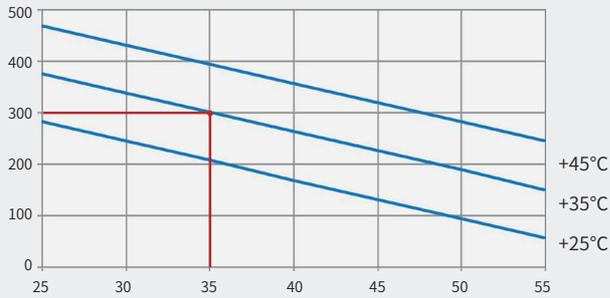


Cooling capacity performance curves

DTS 8021E | DTS 8031E

Cooling capacity
 Q_0 [W]

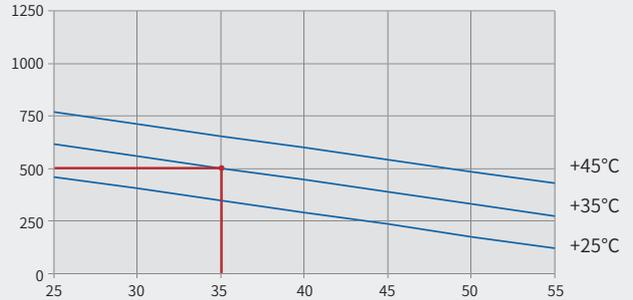
Electrical enclosure
internal temperature T_i



Ambient temperature T_A [°C]

Cooling capacity
 Q_0 [W]

Electrical enclosure
internal temperature T_i

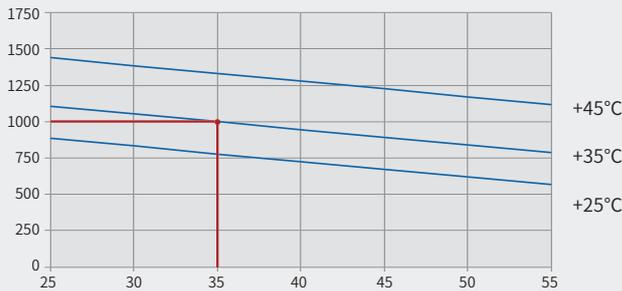


Ambient temperature T_A [°C]

DTS 8241E | DTS 8341E

Cooling capacity
 Q_0 [W]

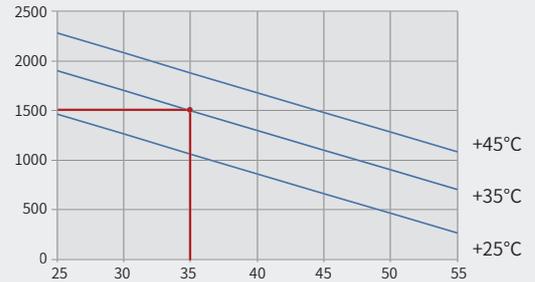
Electrical enclosure
internal temperature T_i



Ambient temperature T_A [°C]

Cooling capacity
 Q_0 [W]

Electrical enclosure
internal temperature T_i

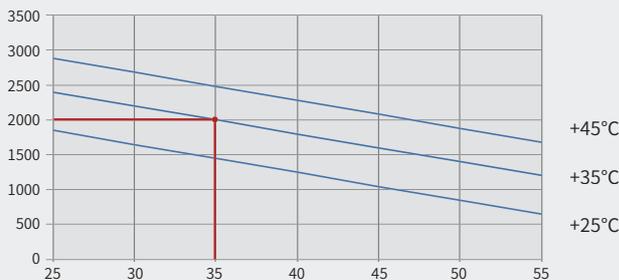


Ambient temperature T_A [°C]

DTS 8441E | DTS 8541E

Cooling capacity
 Q_0 [W]

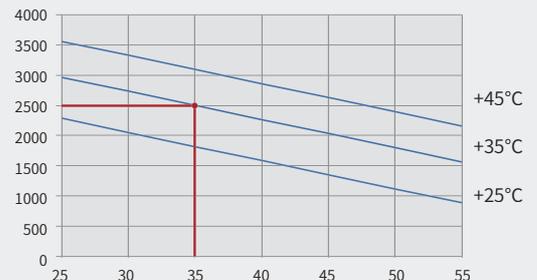
Electrical enclosure
internal temperature T_i



Ambient temperature T_A [°C]

Cooling capacity
 Q_0 [W]

Electrical enclosure
internal temperature T_i

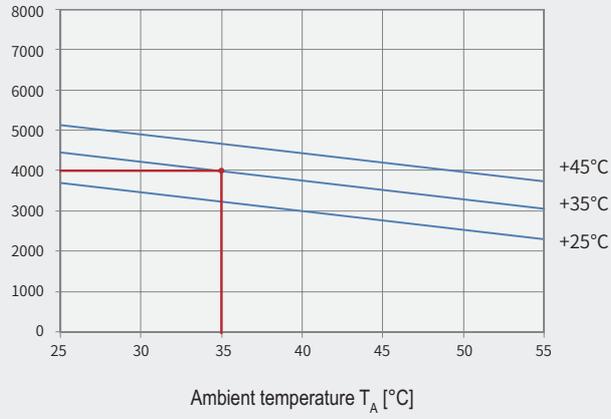


Ambient temperature T_A [°C]

DTS 8841E

Cooling capacity
 Q_0 [W]

Electrical enclosure
internal temperature T_i



DTS 81241E 50HZ / 60HZ

Cooling capacity
 Q_0 [W]

Electrical enclosure
internal temperature T_i

Cooling capacity
 Q_0 [W]

Electrical enclosure
internal temperature T_i

