

ECOOL Cooling units 4000 W

DTI/DTS 6801



DTI: for partially recessed mounting of the cooling unit in the door or side

DTS: for outer mounting of the cooling unit on the door or side

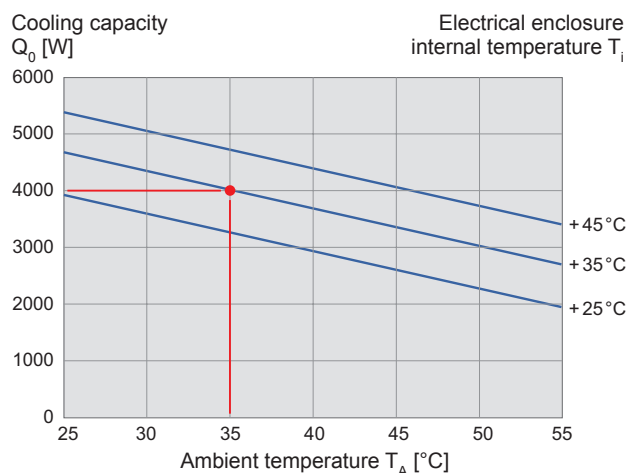
- top EER (energy efficiency ratio)
- energy efficient: reduced CO₂ emissions = environment-friendly
- condenser highly effective protection against strongly contaminated ambient air
- large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- exceptional serviceability
- new USB port for easy retrieval of parameter settings/history (Pfannenberg ECOOL-PLANT software necessary)
- optional filter (easy to retrofit)

Data		DTI 6801	DTS 6801	Unit
Article number	Standard Controller	13896812055	13886812055	
	Multi Controller	13896822055	13886822055	
Rated voltage ± 10%		AC 50 Hz / 60 Hz		V
		400 / 460 3~		
Cooling performance according to EN 14511	L35/L35	4000		W
	L35/L50	3050		
Power consumption	L35/L35	1918 / 2369		A
Current consumption	L35/L35	4.2 / 3.6		
Starting current	L35/L35	28.3		
Energy efficiency ratio $\epsilon_{ke} = \frac{Q_c}{P} \rightarrow COP$		2.09		
Unimpeded airflow (free flow)	internal	1450		m ³ /h
	external	1450		
Pre fuse T		16		A
Type of connection		spring-type terminal included with plug		
Noise level according to EN ISO 3741		< 70		dB (A)
Weight (without packaging)		86		kg
Ambient temperature range		+ 15 ... + 55 / + 59 ... + 131		
Control range (adjustable)	SC	+ 25 ... + 45 / + 77 ... + 113; factory setting + 35 / + 95		°C / °F
	MC	+ 25 ... + 50 / + 77 ... + 122; factory setting + 35 / + 95		
Refrigerant	R134a	2100		g
Condensate management		integrated condensate evaporation system with safety overflow		
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 / front cover	galvanised/electrostatically powder coated (200 °C)		
Colour	cover	RAL 7035		
	front cover	RAL 7040, different colours available on request		
Accessories		Piece	Article number	Information on page
Aluminium filter		1	18300000149	71
Filter adapter		1	18300000150	71
Vlies filter		5	18300000147	71
Fluted filter		5	18300000148	71

Approvals see page 18. For additional information to ensure the accurate setting of the motor protection switch, please see technical specific data sheet. This information is included with the delivery of the unit or can be found at www.pfannenberg.com.

Cooling capacity performance curves

DTI/DTS 6801



Dimensions

DTI	X	Y	Z1	Z2	K			L				
mm	485	1539	252	120	1510			450				

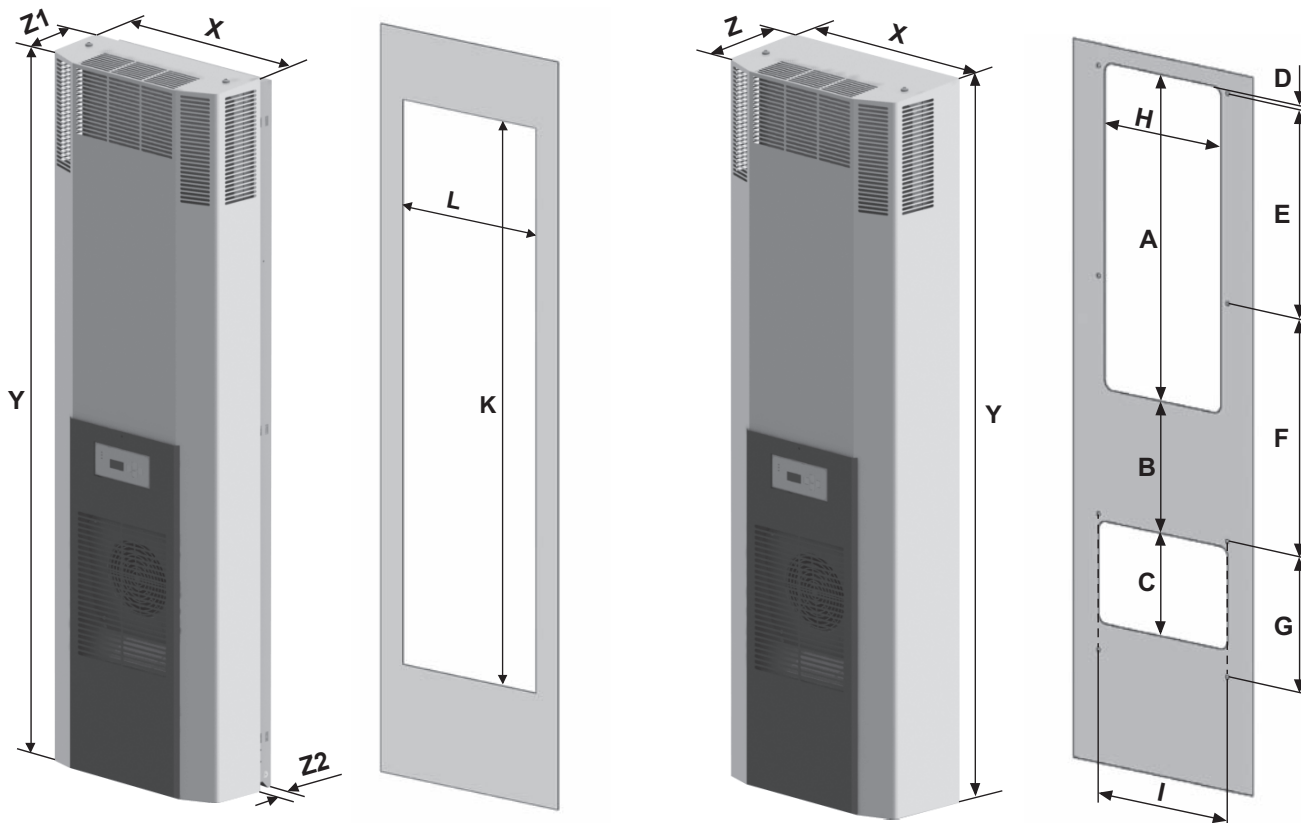
DTI variants partially recessed by 120 mm after installation

DTS	X	Y	Z	A	B	C	D	E	F	G	H	I
mm	485	1549	372	700	282	220	17.5	450	510	290	315	350

Mounting holes \varnothing 8 mm and cut-out radii R20

DTI 6801

DTS 6801



ECOOL Cooling units 2500 W

DTI/DTS 6501



DTI: for partially recessed mounting of the cooling unit in the door or side
DTS: for outer mounting of the cooling unit on the door or side

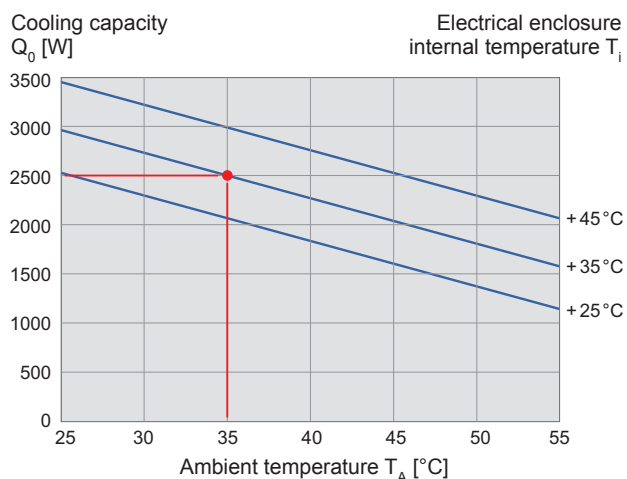
- top EER (energy efficiency ratio)
- energy efficient: reduced CO₂ emissions = environment-friendly
- condenser highly effective protection against strongly contaminated ambient air
- large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- exceptional serviceability
- new USB port for easy retrieval of parameter settings/history (Pfannenberg ECOOL-PLANT software necessary)
- optional filter (easy to retrofit)

Data		DTI 6501	DTS 6501	Unit
Article number	Standard Controller	13896512055	13886512055	
	Multi Controller	13896522055	13886522055	
Rated voltage ± 10%		AC 50 Hz / 60 Hz		V
		400/460 3~		
Cooling performance according to EN 14511	L35/L35	2500		W
	L35/L50	1800		
Power consumption	L35/L35	1048 / 1247		A
Current consumption	L35/L35	2.49 / 2.18		
Starting current	L35/L35	16.0		
Energy efficiency ratio $\epsilon_{ke} = \frac{Q_c}{P}$ → COP		2.39		
Unimpeded airflow (free flow)	internal	935		m ³ /h
	external	1260		
Pre fuse T		16		A
Type of connection		spring-type terminal included with plug		
Noise level according to EN ISO 3741		< 65		dB (A)
Weight (without packaging)		67	71	kg
Ambient temperature range		+ 15 ... + 55 / + 59 ... + 131		
Control range (adjustable)	SC	+ 25 ... + 45 / + 77 ... + 113; factory setting + 35 / + 95		°C / °F
	MC	+ 25 ... + 50 / + 77 ... + 122; factory setting + 35 / + 95		
Refrigerant	R134a	1000		g
Condensate management		integrated condensate evaporation system with safety overflow		
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 / front cover	galvanised/electrostatically powder coated (200 °C)		
Colour	cover	RAL 7035		
	front cover	RAL 7040, different colours available on request		
Accessories		Piece	Article number	Information on page
Aluminium filter		1	18300000149	71
Filter adapter		1	18300000150	71
Vlies filter		5	18300000147	71
Fluted filter		5	18300000148	71

Approvals see page 18. For additional information to ensure the accurate setting of the motor protection switch, please see technical specific data sheet. This information is included with the delivery of the unit or can be found at www.pfannenberg.com.

Cooling capacity performance curves

DTI/DTS 6501



Dimensions

DTI	X	Y	Z1	Z2	K	L
mm	485	1536	158	120	1510	450

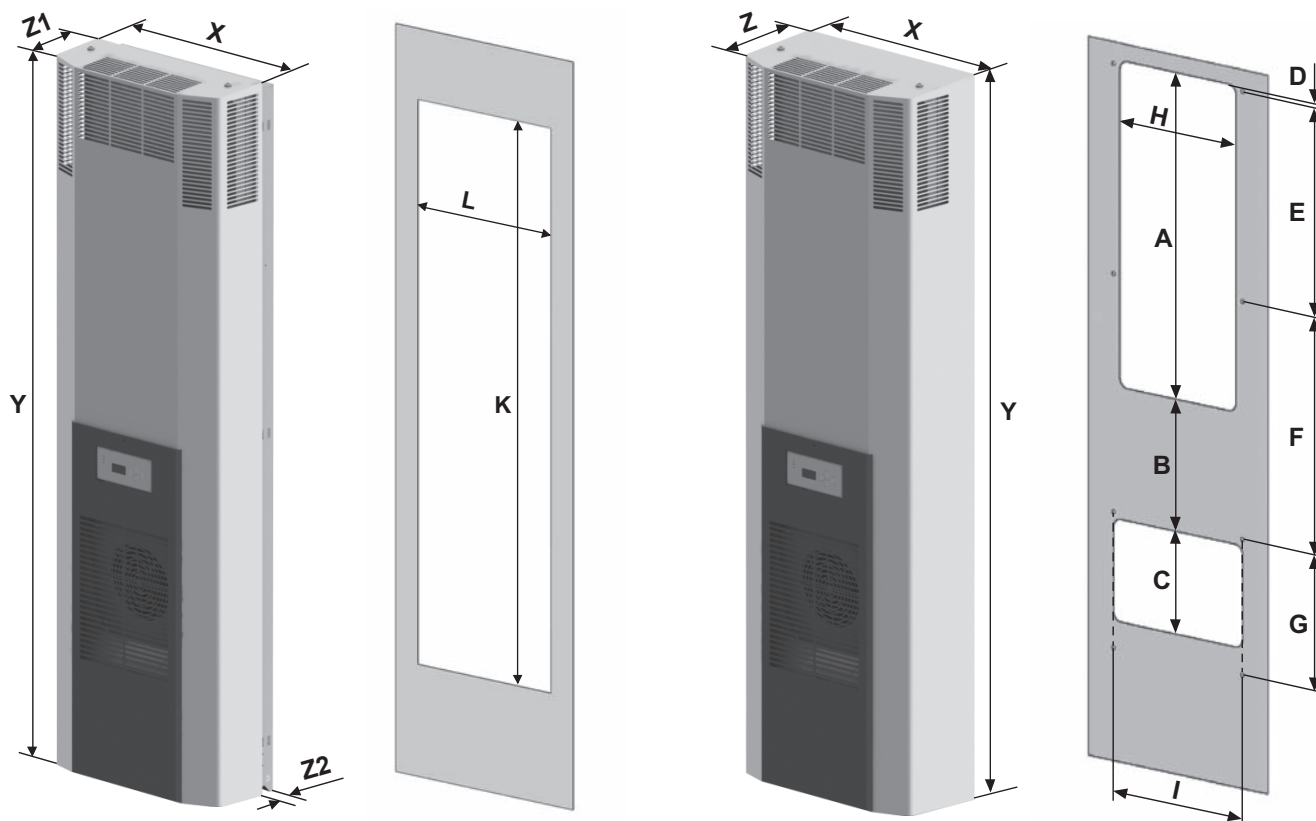
DTI variants partially recessed by 120 mm after installation

DTS	X	Y	Z	A	B	C	D	E	F	G	H	I
mm	485	1543	278	700	282	220	17.5	450	510	290	315	350

Mounting holes \varnothing 8 mm and cut-out radii R20

DTI 6501

DTS 6501



ECOOL Cooling units 2000 W

DTI/DTS 6401



DTI: for partially recessed mounting of the cooling unit in the door or side

DTS: for outer mounting of the cooling unit on the door or side

- top EER (energy efficiency ratio)
- energy efficient: reduced CO₂ emissions = environment-friendly
- condenser highly effective protection against strongly contaminated ambient air
- large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- exceptional serviceability
- new USB port for easy retrieval of parameter settings/history (Pfannenberg ECOOL-PLANT software necessary)
- optional filter (easy to retrofit)

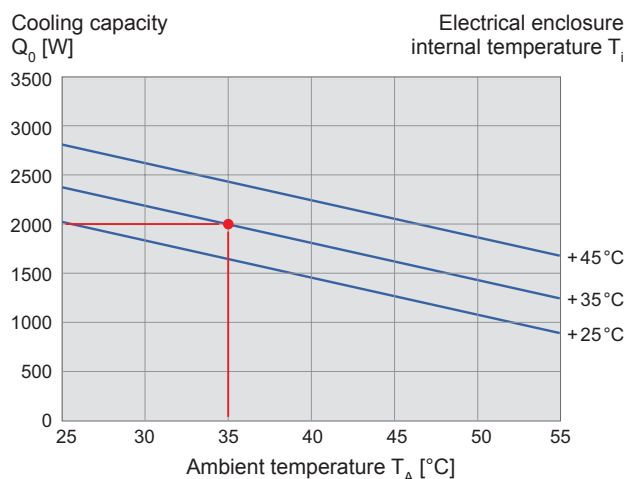
Data		DTI 6401		DTS 6401		Unit
Article number	Standard Controller	13896412055	13896411055	13886412055	13886411055	
	Multi Controller	13896422055	13896421055	13886422055	13886421055	
Rated voltage ± 10% ¹	AC 50 Hz / 60 Hz					V
		400/460 3~	230	400/460 3~	230	
Cooling performance according to EN 14511	L35/L35	2000				W
	L35/L50	1440				
Power consumption	L35/L35	753 / 908	1047 / 1273	753 / 908	1047 / 1273	A
Current consumption	L35/L35	1.82 / 1.65	5.02 / 5.60	1.82 / 1.65	5.02 / 5.60	
Starting current	L35/L35	12.0	21.4	12.0	21.4	
Energy efficiency ratio $\epsilon_{ko} = \frac{Q_n}{P}$ → COP		2.66	1.91	2.66	1.91	
Unimpeded airflow (free flow)	internal	935				m ³ /h
	external	1260				
Pre fuse T		16				A
Type of connection		spring-type terminal included with plug				
Noise level according to EN ISO 3741		< 65				dB (A)
Weight (without packaging)		67		71		kg
Ambient temperature range		+ 15 ... + 55 / + 59 ... + 131				
Control range (adjustable)	SC	+ 25 ... + 45 / + 77 ... + 113; factory setting + 35 / + 95				°C / °F
	MC	+ 25 ... + 50 / + 77 ... + 122; factory setting + 35 / + 95				
Refrigerant	R134a	1000				g
Condensate management		integrated condensate evaporation system with safety overflow				
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 / front cover	galvanised/electrostatically powder coated (200 °C)				
Colour	cover	RAL 7035				
	front cover	RAL 7040, different colours available on request				
Accessories	Piece	Article number		Information on page		
Aluminium filter	1	18300000149		71		
Filter adapter	1	18300000150		71		
Viies filter	5	18300000147		71		
Fluted filter	5	18300000148		71		

¹ 115 V on request

Approvals see page 18. For additional information to ensure the accurate setting of the motor protection switch, please see technical specific data sheet. This information is included with the delivery of the unit or can be found at www.pfannenberg.com.

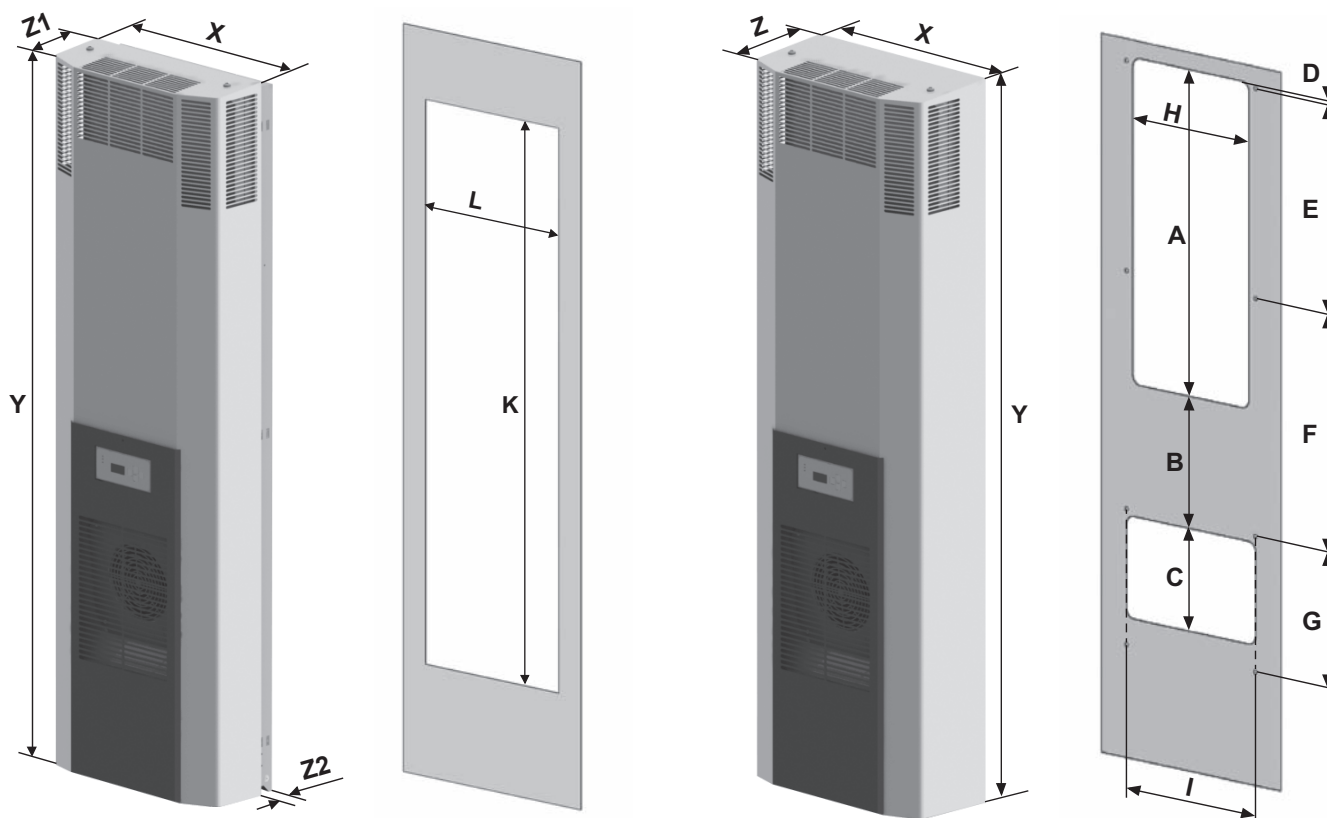
Cooling capacity performance curves

DTI/DTS 6401



Dimensions

DTI	X	Y	Z1	Z2	K				L				
mm	485	1536	158	120	1510				450				
DTI variants partially recessed by 120 mm after installation													
DTS	X	Y	Z	A	B	C	D	E	F	G	H	I	
mm	485	1543	278	700	282	220	17.5	450	510	290	315	350	
Mounting holes \varnothing 8 mm and cut-out radii R20													
DTI 6401						DTS 6401							



ECOOL Cooling units 1500 W

DTI/DTS 6301



DTI: for partially recessed mounting of the cooling unit in the door or side

DTS: for outer mounting of the cooling unit on the door or side

- top EER (energy efficiency ratio)
- energy efficient: reduced CO₂ emissions = environment-friendly
- condenser highly effective protection against strongly contaminated ambient air
- large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- exceptional serviceability
- new USB port for easy retrieval of parameter settings/history (Pfannenberg ECOOL-PLANT software necessary)
- optional filter (easy to retrofit)

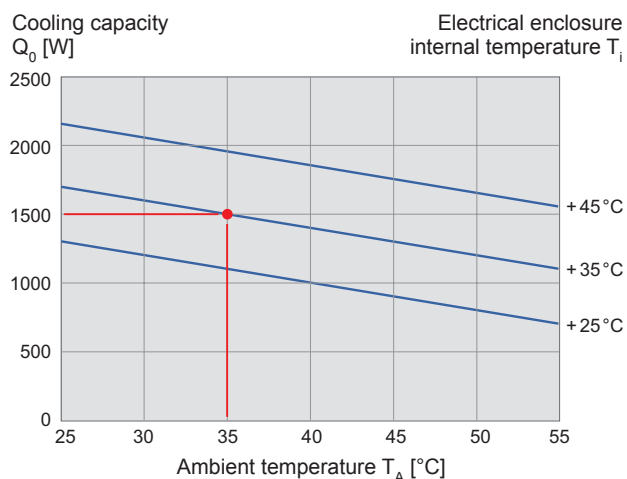
Data		DTI 6301		DTS 6301		Unit
Article number	Standard Controller	13896319055	13896311055	13886319055	13886311055	
	Multi Controller	13896329055	13896321055	13886329055	13886321055	
Rated voltage ± 10% ¹		AC 50 Hz / 60 Hz				V
		400/460 2~	230	400/460 2~	230	
Cooling performance according to EN 14511	L35/L35	1500				W
	L35/L50	1200				
Power consumption	L35/L35	786 / 863	727 / 868	786 / 863	727 / 868	A
Current consumption	L35/L35	3.24 / 2.63	4.26 / 4.23	3.24 / 2.63	4.26 / 4.23	
Starting current	L35/L35	19.7				
Energy efficiency ratio $\epsilon_{ko} = \frac{Q_n}{P}$ → COP		1.91	2.06	1.91	2.06	
Unimpeded airflow (free flow)	internal	935				m ³ /h
	external	938				
Pre fuse T		6	16	6	16	A
Type of connection		spring-type terminal included with plug				
Noise level according to EN ISO 3741		< 62				dB (A)
Weight (without packaging)		55	50	56	51	kg
Ambient temperature range		+ 15 ... + 55 / + 59 ... + 131				
Control range (adjustable)	SC	+ 25 ... + 45 / + 77 ... + 113; factory setting + 35 / + 95				°C / °F
	MC	+ 25 ... + 50 / + 77 ... + 122; factory setting + 35 / + 95				
Refrigerant	R134a	500				g
Condensate management		integrated condensate evaporation system with safety overflow				
Protection system according to EN 60529	IP54	towards the electrical enclosure if used as intended by the manufacturer				
	IP34	towards the electrical enclosure if used as intended by the manufacturer				
Design	housing	galvanised sheet steel				
	cover / front cover	galvanised/electrostatically powder coated (200 °C)				
Colour	cover	RAL 7035				
	front cover	RAL 7040, different colours available on request				
Accessories	Piece	Article number			Information on page	
Aluminium filter	1	18300000149			71	
Filter adapter	1	18300000150			71	
Viies filter	5	18300000147			71	
Fluted filter	5	18300000148			71	

¹ 115 V on request

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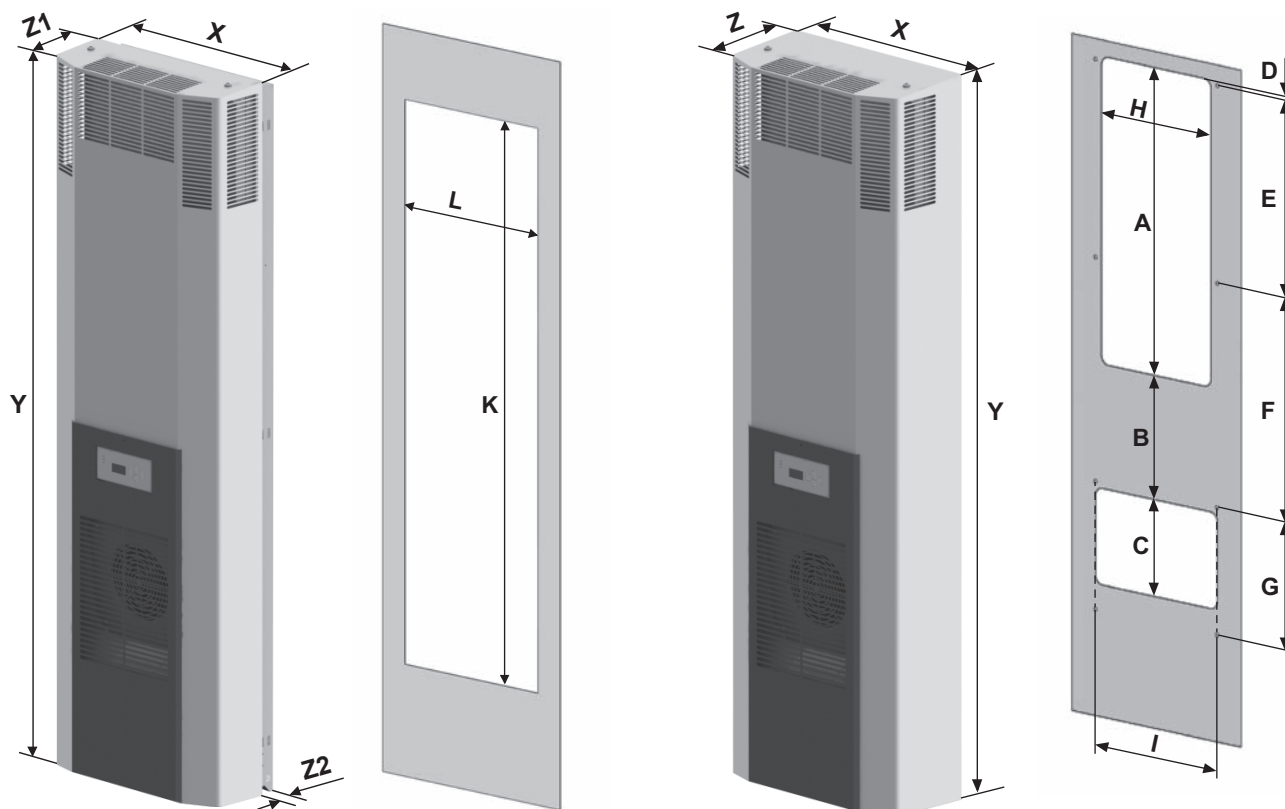
Cooling capacity performance curves

DTI/DTS 6301



Dimensions

DTI	X	Y	Z1	Z2	K				L				
mm	485	1536	158	60	1510				450				
DTI variants partially recessed by 60 mm after installation													
DTS	X	Y	Z	A	B	C	D	E	F	G	H	I	
mm	485	1539	218	700	282	220	17.5	450	510	290	315	350	
Mounting holes \varnothing 8 mm and cut-out radii R20													
DTI 6301						DTS 6301							



ECOOL Cooling units 1000 W

DTI/DTS 6201



DTI: for partially recessed mounting of the cooling unit in the door or side

DTS: for outer mounting of the cooling unit on the door or side

- top EER (energy efficiency ratio)
- energy efficient: reduced CO₂ emissions = environment-friendly
- condenser highly effective protection against strongly contaminated ambient air
- large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- exceptional serviceability
- new USB port for easy retrieval of parameter settings/history (Pfannenberg ECOOL-PLANT software necessary)
- optional filter (easy to retrofit)

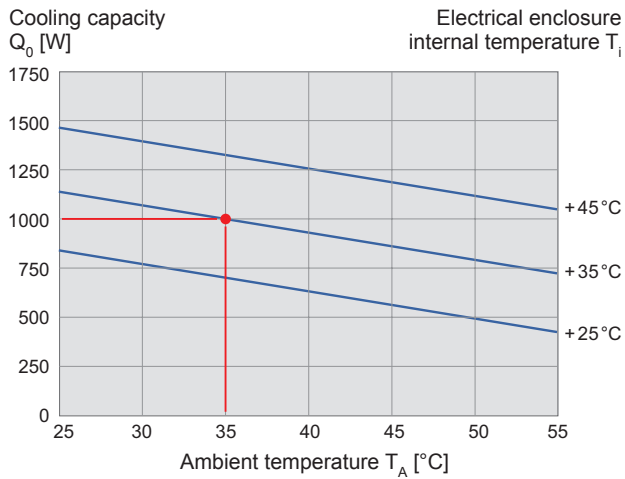
Data		DTI 6201		DTS 6201		Unit
Article number	Standard Controller	13896219055	13896211055	13886219055	13886211055	
	Multi Controller	13896229055	13896221055	13886229055	13886221055	
Rated voltage ± 10% ¹		AC 50 Hz / 60 Hz				V
		400/460 2~	230	400/460 2~	230	
Cooling performance according to EN 14511	L35/L35	1000				W
	L35/L50	780				
Power consumption	L35/L35	490 / 570	454 / 567	490 / 570	454 / 567	A
Current consumption	L35/L35	1.78 / 1.62	2.35 / 2.61	1.78 / 1.62	2.35 / 2.61	
Starting current	L35/L35					
Energy efficiency ratio $\epsilon_{ke} = \frac{Q_0}{P} \rightarrow COP$		2.04	2.20	2.04	2.20	
Unimpeded airflow (free flow)	internal	935				m ³ /h
	external	938				
Pre fuse T		4	16	4	16	A
Type of connection		spring-type terminal included with plug				
Noise level according to EN ISO 3741		< 62				dB (A)
Weight (without packaging)		55	50	56	51	kg
Ambient temperature range		+ 15 ... + 55 / + 59 ... + 131				
Control range (adjustable)	SC	+ 25 ... + 45 / + 77 ... + 113; factory setting + 35 / + 95				°C / °F
	MC	+ 25 ... + 50 / + 77 ... + 122; factory setting + 35 / + 95				
Refrigerant	R134a	500				g
Condensate management		integrated condensate evaporation system with safety overflow				
Protection system according to EN 60529	IP54	towards the electrical enclosure if used as intended by the manufacturer				
	IP34	towards the electrical enclosure if used as intended by the manufacturer				
Design	housing	galvanised sheet steel				
	cover / front cover	galvanised/electrostatically powder coated (200 °C)				
Colour	cover	RAL 7035				
	front cover	RAL 7040, different colours available on request				
Accessories	Piece	Article number			Information on page	
Aluminium filter	1	18300000149			71	
Filter adapter	1	18300000150			71	
Vlies filter	5	18300000147			71	
Fluted filter	5	18300000148			71	

¹ 115 V on request

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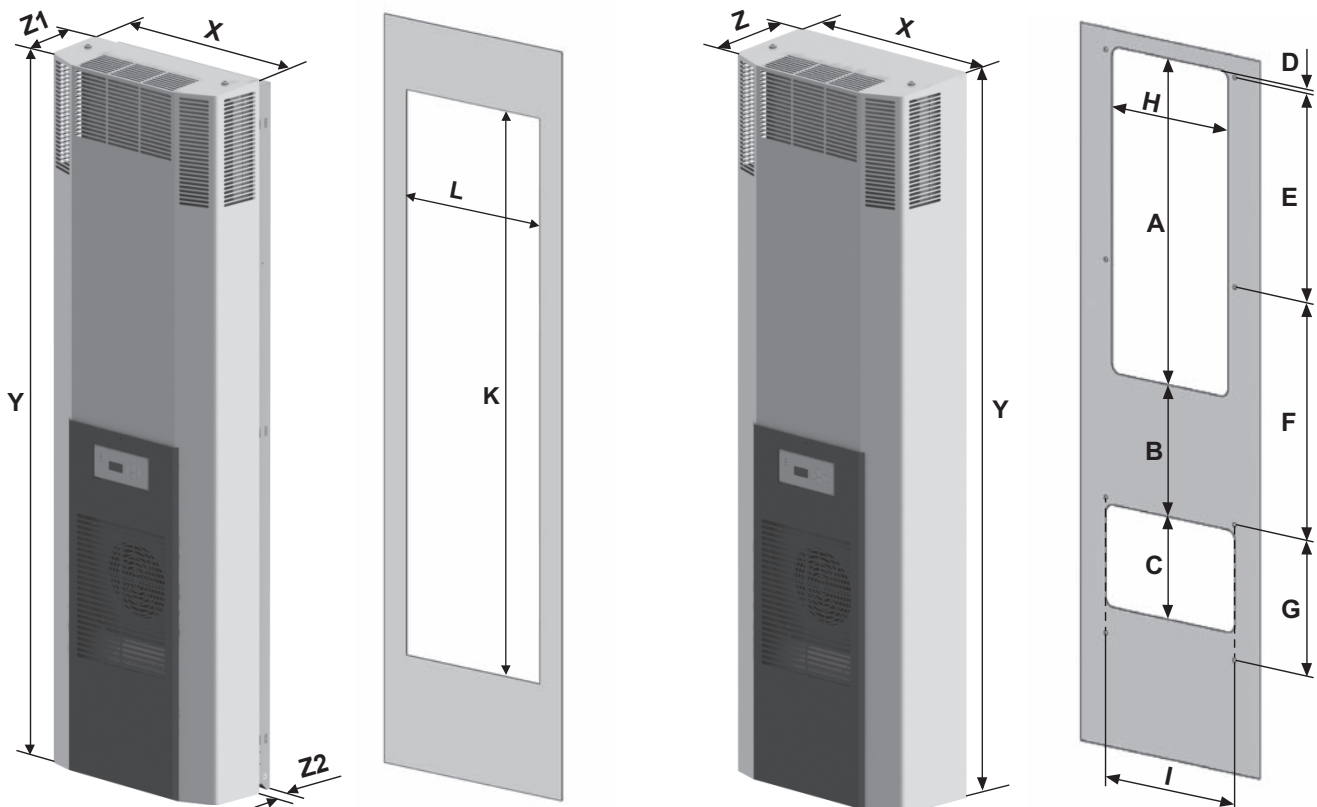
Cooling capacity performance curves

DTI/DTS 6201



Dimensions

DTI	X	Y	Z1	Z2	K				L				
mm	485	1536	158	60	1510				450				
DTI variants partially recessed by 60 mm after installation													
DTS	X	Y	Z	A	B	C	D	E	F	G	H	I	
mm	485	1539	218	700	282	220	17.5	450	510	290	315	350	
Mounting holes \varnothing 8 mm and cut-out radii R20													
DTI 6201						DTS 6201							



Cooling units 950 / 1500 W

DTI/DTS 9141

DTI/DTS 9341C



DTI: for partially recessed mounting of the cooling unit in the door or side
DTS: for outer mounting of the cooling unit on the door or side

- suitable for use with a door width of 500 mm
- large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- integrated fault and door contact
- optionally available with integrated condensate evaporation system
- DTI variants: fast mounting without drilling and adhering the electrical enclosure seal

Data		DTI/DTS 9141			DTI/DTS 9341C			Unit
Article number	DTI Standard Controller	13299149055	13299141055	13299144055	13291549055	13291541055	13291544055	
	DTI Multi Controller	13299179055	13299171055	13299174055	13291579055	13291571055	13291574055	
	DTS Standard Controller	13249149055	13249141055	13249144055	13241549055	13241541055	13241544055	
	DTS Multi Controller	13249179055	13249171055	13249174055	13241579055	13241571055	13241574055	
Rated voltage ± 10 %		AC 50 Hz / 60 Hz		AC 60 Hz	AC 50 Hz / 60 Hz		AC 60 Hz	V
		400 2~ ¹	230	115	400 2~ ¹	230	115	
Cooling performance according to EN 14511	L35/L35	950			1500			W
	L35/L50	520			750			
Power consumption	L35/L35	576 / 697	515 / 623	842	950	907 / 1047	1220	A
Current consumption	L35/L35	2.73 / 2.98	2.98 / 3.25	9.1	3.2	5.4 / 6	13.5	
Starting current	L35/L35	13.94 / 15.19	23.3 / 25.4	33.2	20	33.2 / 27.6	31.7	
Unimpeded airflow (free flow)	internal	570			885			m ³ /h
	external	570			885			
Pre fuse T		4	10	16	6	10	16	A
Type of connection		spring-type terminal included with plug						
Noise level according to EN ISO 3741		< 62						dB (A)
Weight (without packaging)	DTI	43	36		46	39		kg
	DTS	45	38		48	41		
Ambient temperature range		+15 ... +55 / +59 ... +131						
Control range (adjustable)	SC	+ 25 ... + 45 / + 77 ... + 113; factory setting + 35 / + 95						°C / °F
	MC	+ 25 ... + 50 / + 77 ... + 122; factory setting + 35 / + 95						
Refrigerant	R134a	400						g
Duty cycle		100						%
Condensate management		condensate drain; integrated condensate evaporation system optional						
Protection system according to EN 60529	IP 54	towards the electrical enclosure if used as intended by the manufacturer						
	IP 34	towards the surroundings if used as intended by the manufacturer						
Design	housing	galvanised sheet steel						
	cover	galvanised/electrostatically powder coated (200 °C); stainless steel on request						
Colour (cover)		RAL 7035, different colours available on request						
Accessories	Piece	Article number					Information on page	
External condensate evaporation system	1	1831400001					70	
Condensate bottle	1	18314000100					70	

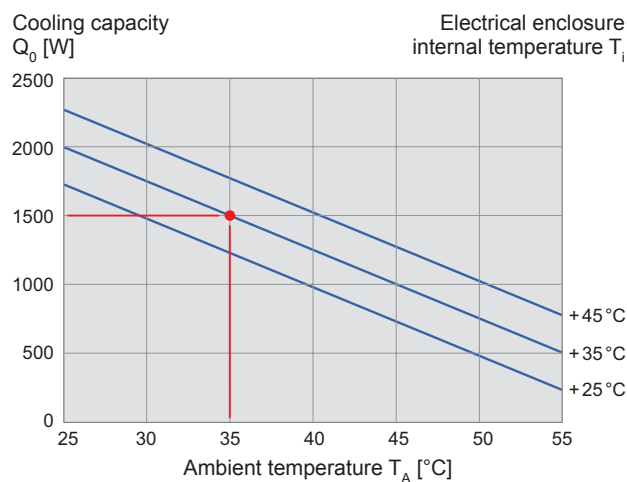
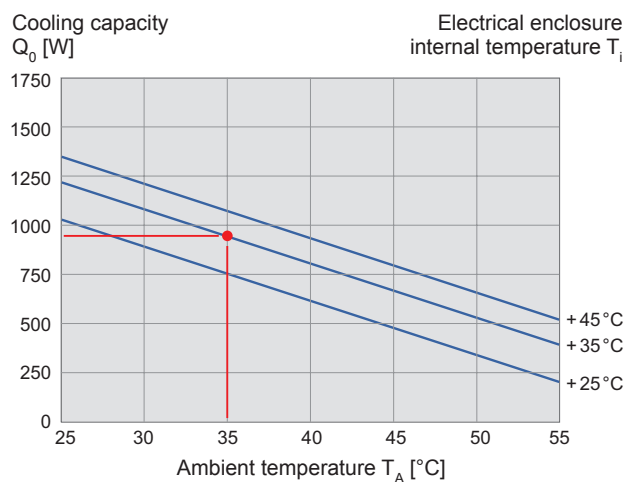
¹ suitable for various supply voltages (see technical specific data sheet)

Approvals see page 18. For additional information to ensure the accurate setting of the motor protection switch, please see technical specific data sheet. This information is included with the delivery of the unit or can be found at www.pfannenber.com.

Cooling capacity performance curves

DTI/DTS 9141

DTI/DTS 9341C



Dimensions

DTI	X	Y	Z1	Z2	K	L
mm	410	958	188	60	900	380

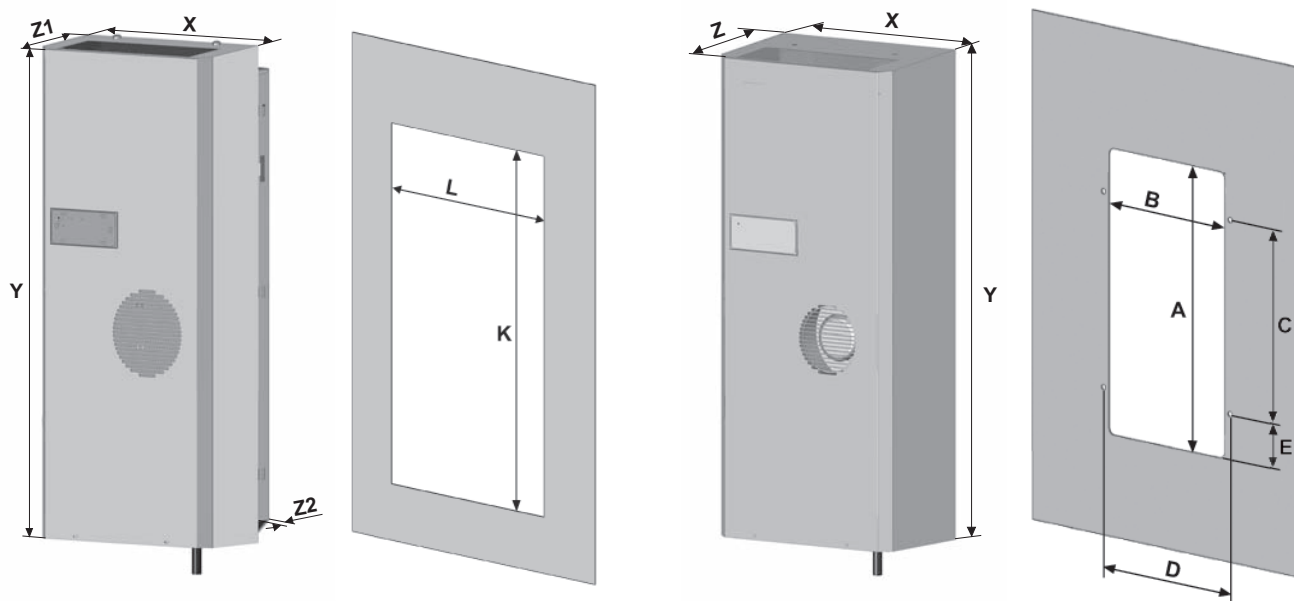
DTI variants partially recessed by 60 mm after installation

DTS	X	Y	Z	A	B	C	D	E
mm	410	964	248	662	320	562	350	55

Mounting holes \varnothing 8 mm and cut-out radii R20

DTI 9141/DTI 9341C

DTS 9141/DTS 9341C



Cooling unit 870 W

DTI/DTS 9041



DTI: for partially recessed mounting of the cooling unit in the door or side
DTS: for outer mounting of the cooling unit on the door or side

- suitable for use with a door width of 400 mm
- large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- integrated fault and door contact
- optionally available with integrated condensate evaporation system
- DTI variants: fast mounting without drilling and adhering the electrical enclosure seal

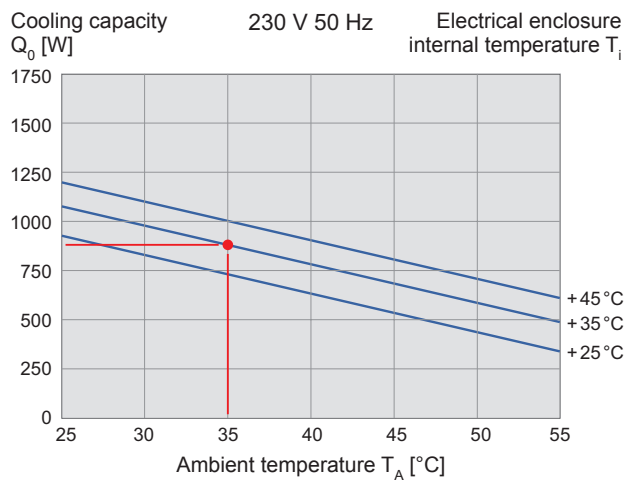
Data		DTI/DTS 9041			Unit
Article number	DTI Standard Controller	13299049055	13299041055	13299044055	
	DTI Multi Controller	13299079055	13299071055	13299074055	
	DTS Standard Controller	13249049055	13249041055	13249044055	
	DTS Multi Controller	13249079055	13249071055	13249074055	
Rated voltage ± 10 %		AC 50 Hz / 60 Hz		AC 60 Hz	
		400 2~ ¹	230	115	V
Cooling performance according to EN 14511	L35/L35	810	870	790	W
	L35/L50	483	580	590	
Power consumption	L35/L35	580 / 702	524 / 634	783	
Current consumption	L35/L35	3.2 / 3.49	3.06 / 3.34	7.6	A
Starting current	L35/L35	20.2 / 22.02	22.16 / 24.15	40.1	
Unimpeded airflow (free flow)	internal	570			m ³ /h
	external	570			
Pre fuse T		4	10	16	A
Type of connection	spring-type terminal included with plug				
Noise level according to EN ISO 3741	< 63		< 64		dB (A)
Weight (without packaging)	DTI	37	29.5		kg
	DTS	37	29.5		
Ambient temperature range	+ 15 ... + 55 / + 59 ... + 131				
Control range (adjustable)	SC	+ 25 ... + 45 / + 77 ... + 113; factory setting + 35 / + 95			°C / °F
	MC	+ 25 ... + 50 / + 77 ... + 122; factory setting + 35 / + 95			
Refrigerant	R134a	400			g
Duty cycle	100				%
Condensate management	condensate drain; integrated condensate evaporation system optional				
Protection system according to EN 60529	IP 54	towards the electrical enclosure if used as intended by the manufacturer			
	IP 34	towards the surroundings if used as intended by the manufacturer			
Design	housing	galvanised sheet steel			
	cover	galvanised/electrostatically powder coated (200 °C); stainless steel on request			
Colour (cover)	RAL 7035, different colours available on request				
Accessories	Piece	Article number		Information on page	
External condensate evaporation system	1	1831400001		70	
Condensate bottle	1	18314000100		70	

¹ suitable for various supply voltages (see technical specific data sheet)

Approvals see page 18. For additional information to ensure the accurate setting of the motor protection switch, please see technical specific data sheet. This information is included with the delivery of the unit or can be found at www.pfannenber.com.

Cooling capacity performance curves

DTI/DTS 9041



Dimensions

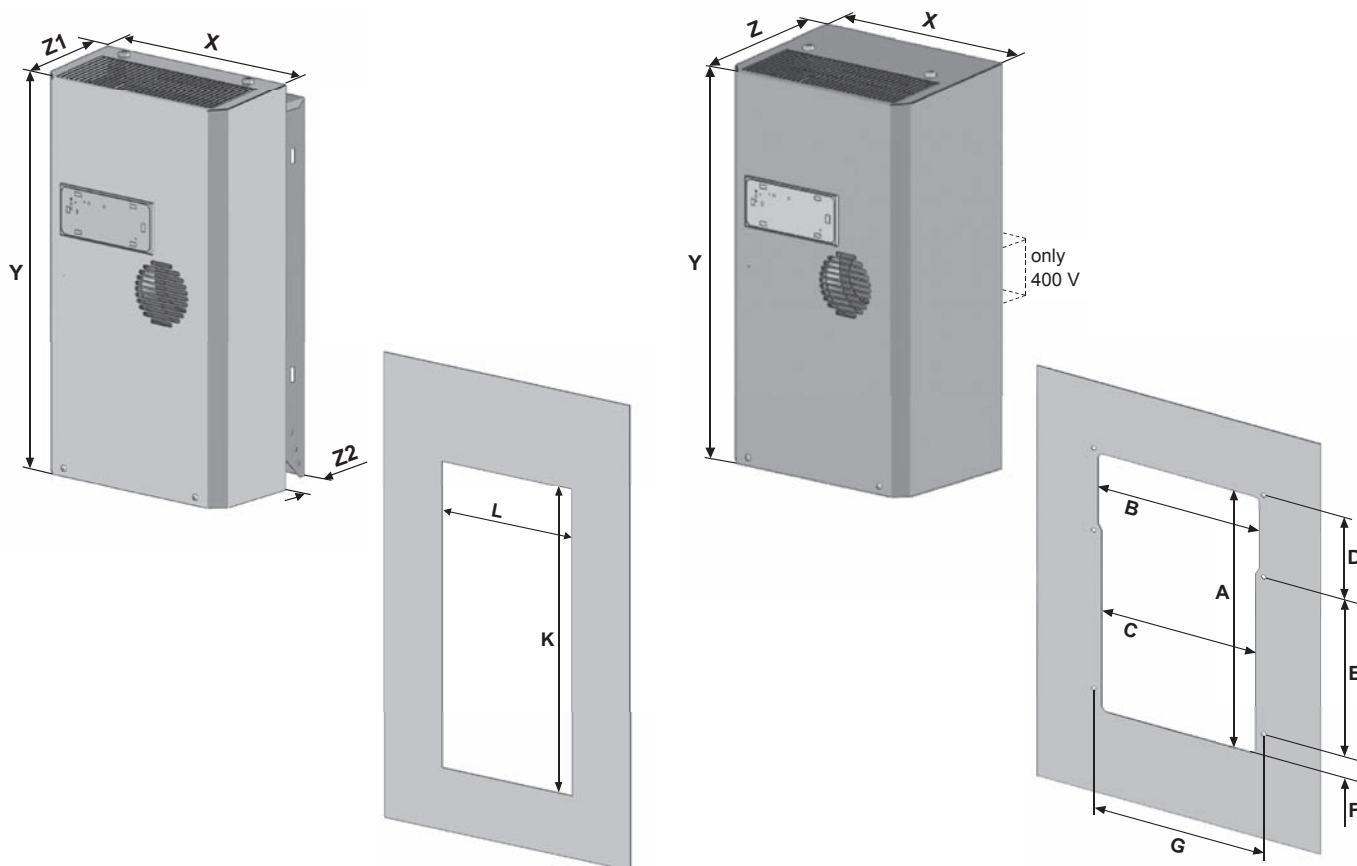
DTI	X	Y	Z1	Z2 115V / 230V	Z2 400V	K	L
mm	380	599	171	60	192	577	350

DTI variants partially recessed by 60 mm after installation

DTS	X	Y	Z 115V / 230V	Z 400V	A	B	C	D	E	F	G
mm	380	604	231	363	472	285	272	150	288	40	300

Mounting holes \varnothing 8 mm and cut-out radii R20

DTI 9041						DTS 9041					
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Cooling unit 510 W

DTI/DTS 9031



DTI: for partially recessed mounting of the cooling unit in the door or side
DTS: for outer mounting of the cooling unit on the door or side

- suitable for use with a door width of 400 mm
- large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- integrated fault and door contact
- DTI variants: fast mounting without drilling and adhering the electrical enclosure seal

Data		DTI/DTS 9031			Unit
Article number	DTI Standard Controller	13295049055	13295041055	13295044055	
	DTI Multi Controller	13295079055	13295071055	13295074055	
	DTS Standard Controller	13245049055	13245041055	13245044055	
	DTS Multi Controller	13245079055	13245071055	13245074055	
Rated voltage ± 10 %		AC 50 Hz / 60 Hz		AC 60 Hz	
		400 2~ ¹	230	115	V
Cooling performance according to EN 14511	L35/L35	410 / 540	510 / 580	585	W
	L35/L50	305 / 360	365 / 395	545	
Power consumption	L35/L35	297 / 354	283 / 337	322	
Current consumption	L35/L35	1.59 / 1.53	1.58 / 1,64	3.29	A
Starting current	L35/L35	8.63 / 7.86	14.31 / 13.8	26.15	
Unimpeded airflow (free flow)	internal	280			m ³ /h
	external	345			
Pre fuse T		4	6	10	A
Type of connection	spring-type terminal included with plug				
Noise level according to EN ISO 3741	63				dB (A)
Weight (without packaging)	DTI	26	21		kg
	DTS	27	22		
Ambient temperature range	+ 15 ... + 55 / + 59 ... + 131				
Control range (adjustable)	SC	+ 25 ... + 45 / + 77 ... + 113; factory setting + 35 / + 95			°C / °F
	MC	+ 25 ... + 50 / + 77 ... + 122; factory setting + 35 / + 95			
Refrigerant	R134a	250			g
Duty cycle		100			%
Condensate management	condensate drain				
Protection system according to EN 60529	IP 54	towards the electrical enclosure if used as intended by the manufacturer			
	IP 34	towards the surroundings if used as intended by the manufacturer			
Design	housing	galvanised sheet steel			
	cover	galvanised/electrostatically powder coated (200 °C); stainless steel on request			
Colour (cover)	RAL 7035, different colours available on request				
Accessories	Piece	Article number		Information on page	
External condensate evaporation system	1	18314000001		70	
Condensate bottle	1	18314000100		70	

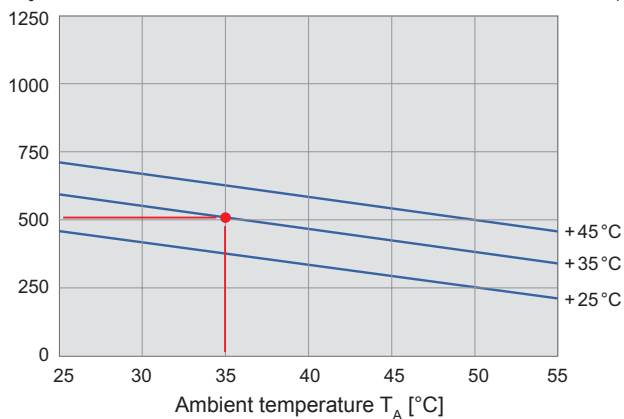
¹ suitable for various supply voltages (see technical specific data sheet)

Approvals see page 18. For additional information to ensure the accurate setting of the motor protection switch, please see technical specific data sheet. This information is included with the delivery of the unit or can be found at www.pfannenber.com.

Cooling capacity performance curves

DTI/DTS 9031

Cooling capacity Q_0 [W] 230 V 50 Hz Electrical enclosure internal temperature T_i



Dimensions

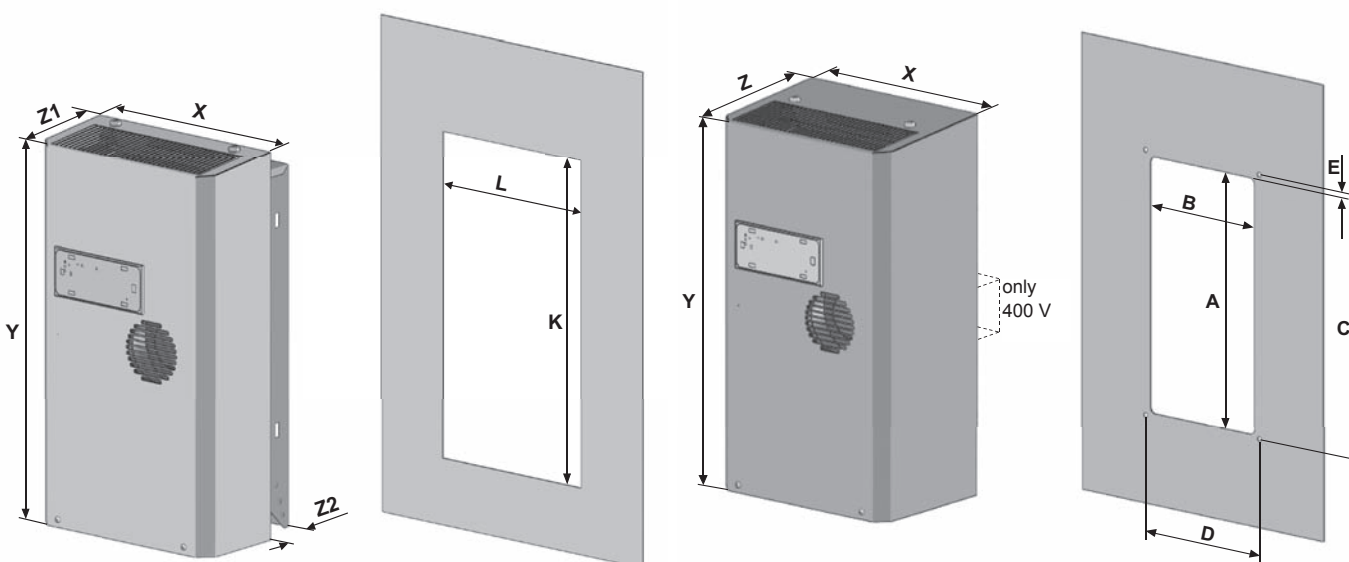
DTI	X	Y	Z1	Z2 115V / 230V	Z2 400V	K	L
mm	310	562	145	67	208	495	265

DTI variants partially recessed by 67 mm after installation

DTS	X	Y	Z 115V / 230V	Z 400V	A	B	C	D	E
mm	310	565	212	353	422	215	435	235	8

Mounting holes \varnothing 8 mm and cut-out radii R20

DTI 9031				DTS 9031					
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Cooling units 320 W

DTFI 9021

DTI 9021

- compact design, ideal for flat control cabinets, control consoles and operating units
- diagnostic message via operating display
- integrated fault and door contact
- optionally available with integrated condensate evaporation system

DTFI variants:

- simple and fast mounting without drilling
- small structural height for integration in machine control cabinets
- cut-out compatible with 3rd and 4th Generation Filterfans, installation size 6



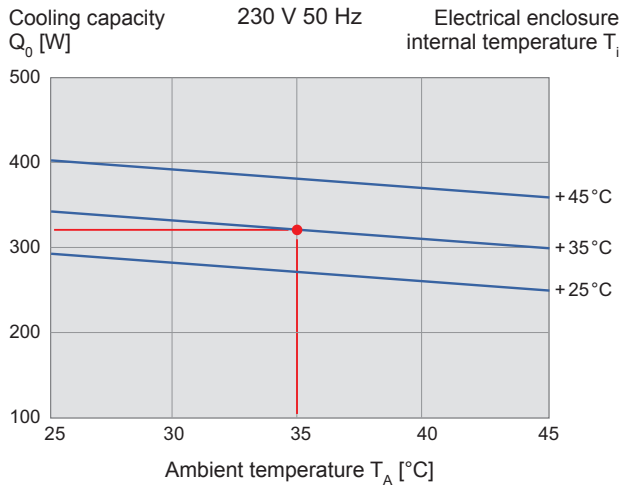
Data		DTFI 9021			DTI 9021		Unit
Article number	Standard Controller	13293149055	13293141055	13293144055	13293041055	13293044055	
Rated voltage ± 10 %		AC 50 Hz / 60 Hz		AC 60 Hz	AC 50 Hz / 60 Hz	AC 60 Hz	V
		400 2~ ¹	230	115	230	115	
Cooling performance according to EN 14511	L35/L35	230 / 290	320 / 340	320	320 / 340	320	W
	L35/L45	220 / 280	300 / 330	250	300 / 330	250	
Power consumption	L35/L35	200 / 200	230 / 240	240	230 / 240	240	
Current consumption	L35/L35	1 / 0.9	1.6	2.7	1.6	2.7	A
Starting current	L35/L35	6.6 / 5.9	11.7 / 10.9	11.4	11.7 / 10.9	11.4	
Unimpeded airflow (free flow)	internal				282		m ³ /h
	external				282		
Pre fuse T		4	6	6	6	6	A
Type of connection	spring-type terminal included with plug						
Noise level according to EN ISO 3741	< 62						dB (A)
Weight (without packaging)		22	16		17		kg
Ambient temperature range	+ 15 ... + 45 / + 59 ... + 113						°C / °F
Control range (adjustable)	+ 25 ... + 45 / + 77 ... + 113; factory setting + 35 / + 95						
Refrigerant	R134a				350		g
Duty cycle	100						%
Condensate management	condensate drain; integrated condensate evaporation system optional						
Protection system according to EN 60529	IP 54	towards the electrical enclosure if used as intended by the manufacturer					
	IP 34	towards the surroundings if used as intended by the manufacturer					
Design	housing	galvanised sheet steel					
	cover	galvanised/electrostatically powder coated (200 °C); stainless steel on request					
Colour (cover)	RAL 7035, different colours available on request						
Accessories	Piece	Article number				Information on page	
External condensate evaporation system	1	18314000001				70	
Condensate bottle	1	18314000100				70	

¹ suitable for various supply voltages (see technical specific data sheet)

Approvals see page 18. For additional information to ensure the accurate setting of the motor protection switch, please see technical specific data sheet. This information is included with the delivery of the unit or can be found at www.pfannenber.com.

Cooling capacity performance curves

DTFI 9021 / DTI 9021



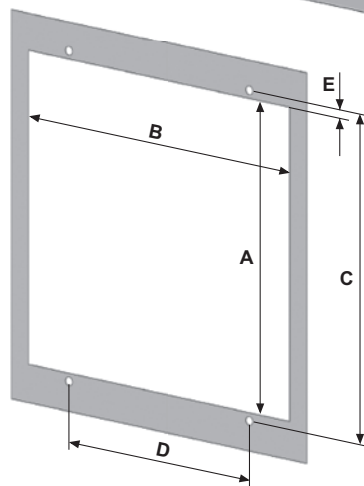
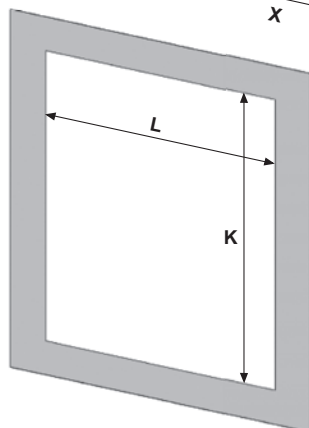
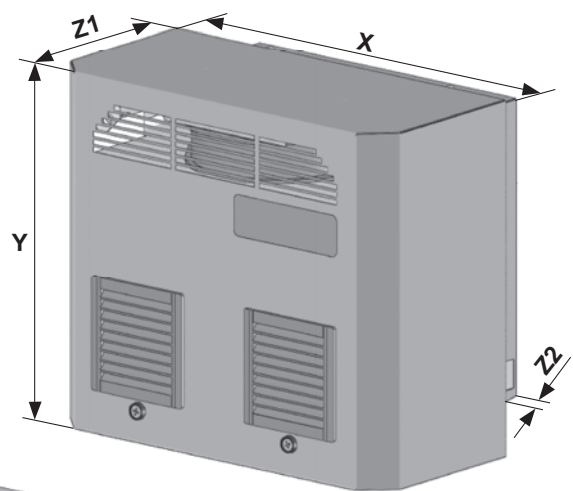
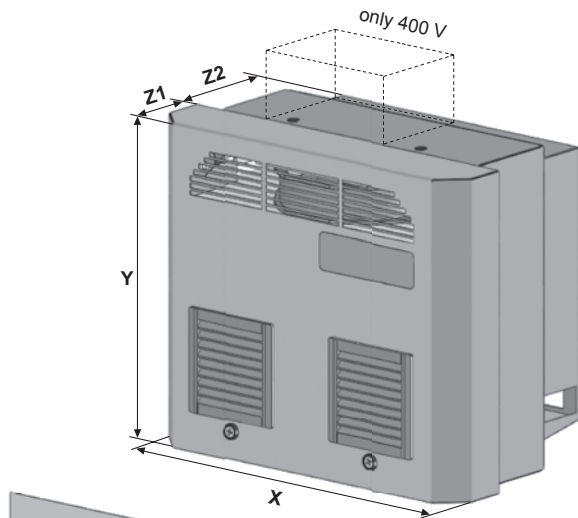
Dimensions

DTFI	X	Y 115V / 230V	Y 400V	Z1	Z2	K	L		
mm	385	326	464	75	170	291	291		
DTI	X	Y 115V / 230V	Z1	Z2	A	B	C	D	E
mm	385	329	178	67	289	304	304	210	7.5

Mounting holes \varnothing 8 mm and cut-out radii R20

DTFI 9021

DTI 9021



Cooling unit 300 W

DTS 9011H

- service-friendly, compact design
- small mounting area, ideal for small electrical enclosures and larger electrical enclosures for the cooling of hot spots
- simple and fast mounting with brackets for door or side mounting
- powerful radial fans ensure optimum air circulation inside the enclosure
- integrated collective fault and door contact (potential-free)
- 100% reliability with controllers by Pfannenbergl



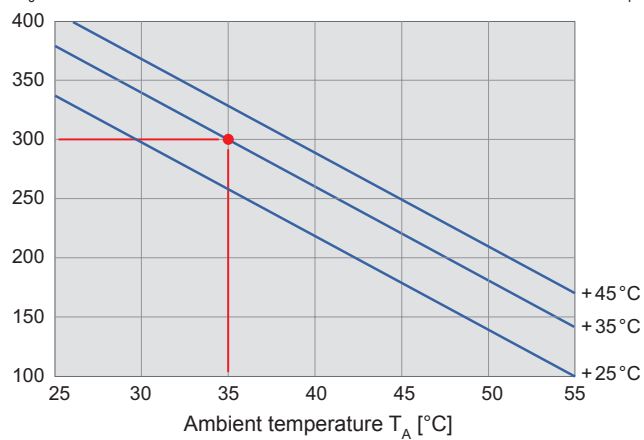
Data		DTS 9011H		Unit
Article number	Standard Controller	13242541055	13242544055	
Rated voltage ± 10 %		AC 50 Hz / 60 Hz	AC 60 Hz	
		230	115	V
Cooling performance according to EN 14511	L35/L35	300	300	W
	L35/L45	180	255	
Power consumption	L35/L35	275 / 290	295	
Current consumption	L35/L35	1.52 / 1.56	2.6	A
Starting current	L35/L35	4.52 / 4.66	5.1	
Unimpeded airflow (free flow)	internal	160		m³/h
	external	160		
Pre fuse T		16		A
Type of connection		spring-type terminal included with plug		
Noise level according to EN ISO 3741		< 65		dB (A)
Weight (without packaging)		15		kg
Ambient temperature range		+ 15 ... + 45 / + 59 ... + 113		°C / °F
Control range (adjustable)		+ 25 ... + 45 / + 77 ... + 113; factory setting + 35 / + 95		
Refrigerant	R134a	130		g
Duty cycle		100		%
Condensate management		condensate drain		
Protection system according to EN 60529	IP 54	towards the electrical enclosure if used as intended by the manufacturer		
	IP 34	towards the surroundings if used as intended by the manufacturer		
Design	housing	galvanised sheet steel		
	cover	galvanised/electrostatically powder coated (200 °C); stainless steel on request		
Colour (cover)		RAL 7035, different colours available on request		
Accessories	Piece	Article number		Information on page
External condensate evaporation system	1	1831400001		70
Condensate bottle	1	18314000100		70

Approvals see page 18. For additional information to ensure the accurate setting of the motor protection switch, please see technical specific data sheet. This information is included with the delivery of the unit or can be found at www.pfannenbergl.com.

Cooling capacity performance curves

DTS 9011H

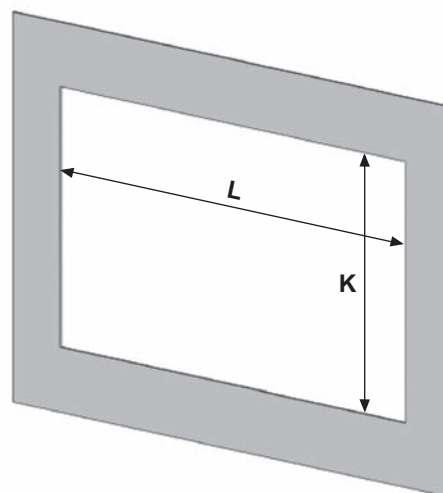
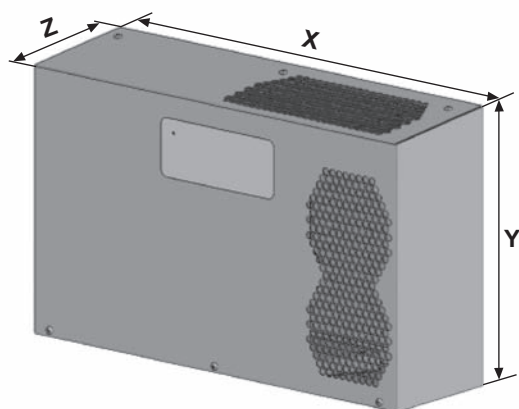
Cooling capacity Q_0 [W] 230 V 50 Hz Electrical enclosure
internal temperature T_i



Dimensions

	X	Y	Z	K	L
mm	495	300	140	281	471

DTS 9011H



Cooling units 2500 / 2000 W

DTS 7541

DTS 7441

- powerful radial fans ensure optimum air circulation inside the enclosure
- sealed with protective edging, no extensive work on the installation cut-out necessary
- new standard electronics



Data		DTS 7541	DTS 7441	Unit
Article number	Standard Controller	13287532055	13087432055	
	Multi Controller	13087562055	13087462055	
Rated voltage ± 10 %		AC 50 Hz / 60 Hz 400 / 460 3~ ¹		V
Cooling performance according to EN 14511	L35/L35	2500	2000	W
	L35/L50	1800	1500	
Power consumption	L35/L35	1400	1200	
Current consumption	L35/L35	3.2	2.8	A
Starting current	L35/L35	11.5	10.4	
Unimpeded airflow (free flow)	internal	900	850	m ³ /h
	external	1000	1000	
Pre fuse T		10		A
Type of connection		spring-type terminal included with plug		
Noise level according to EN ISO 3741		< 65		dB (A)
Weight (without packaging)		75		kg
Ambient temperature range		+ 15 ... + 55 / + 59 ... + 131		
Control range (adjustable)	SC	+ 25 ... + 45 / + 77 ... + 113; factory setting + 35 / + 95		°C / °F
	MC	+ 25 ... + 50 / + 77 ... + 122; factory setting + 35 / + 95		
Refrigerant	R134a	850		g
Duty cycle		100		%
Condensate management		condensate drain		
Protection system according to EN 60529	IP 54	towards the electrical enclosure if used as intended by the manufacturer		
	IP 34	towards the surroundings if used as intended by the manufacturer		
Design	housing	galvanised sheet steel		
	cover	galvanised/electrostatically powder coated (200 °C); stainless steel on request		
Colour (cover)		RAL 7035, different colours available on request		
Accessories	Piece	Article number		Information on page
External condensate evaporation system	1	18314000001		70
Condensate bottle	1	18314000100		70

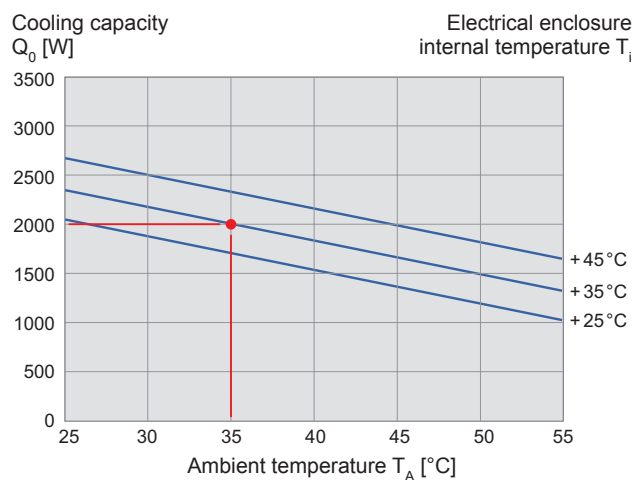
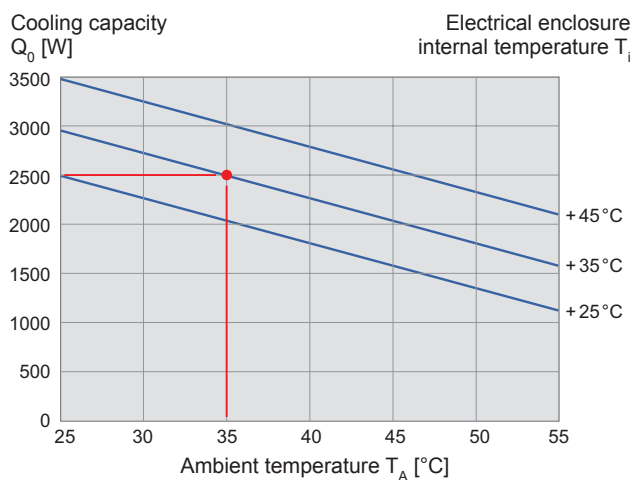
¹ suitable for various supply voltages (see technical specific data sheet)

Approvals see page 18. For additional information to ensure the accurate setting of the motor protection switch, please see technical specific data sheet. This information is included with the delivery of the unit or can be found at www.pfannenbergl.com.

Cooling capacity performance curves

DTS 7541

DTS 7441

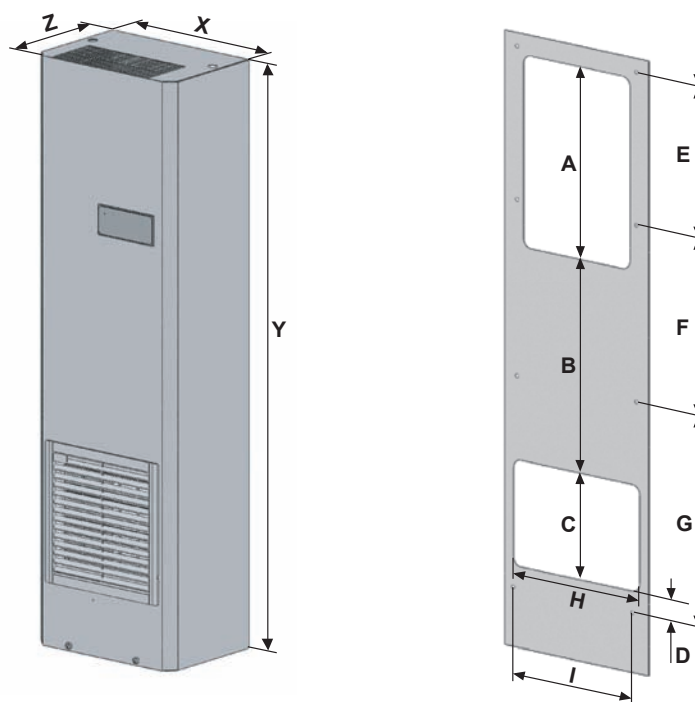


Dimensions

	X	Y	Z	A	B	C	D	E	F	G	H	I
mm	397	1350	270	421.5	471.5	234	47.5	335	390	465	350	330

Mounting holes \varnothing 8 mm and cut-out radii R20

DTS 7541 / DTS 7441



Cooling units 1500 / 1000 W

DTS 7341

DTS 7241

- powerful radial fans ensure optimum air circulation inside the enclosure
- sealed with protective edging, no extensive work on the installation cut-out necessary
- temperature regulated by integrated thermostat



Data		DTS 7341			DTS 7241		Unit
Article number	thermostat control	13087319055	13287311055	13287314055	13287211055	13287214055	
Rated voltage ± 10 %		AC 50 Hz / 60 Hz		AC 60 Hz	AC 50 Hz / 60 Hz	AC 60 Hz	
		400 2~ ¹	230	115	230	115	V
Cooling performance according to EN 14511	L35/L35	1500			1000		W
	L35/L50	1200			780		
Power consumption	L35/L35	920	810	1100	670	780	
Current consumption	L35/L35	2.3	4.3	13.4	3.0	7.4	A
Starting current	L35/L35	9.3	16.5	26.8	14.7	24.9	
Unimpeded airflow (free flow)	internal	560	270		270		m ³ /h
	external	760	450		450		
Pre fuse T		6	16				A
Type of connection		connection cable > 2000 mm					
Noise level according to EN ISO 3741		< 62					dB (A)
Weight (without packaging)		58			53		kg
Ambient temperature range		+ 15 ... + 55 / + 59 ... + 131					°C / °F
Control range (adjustable)		+ 25 ... + 45 / + 77 ... + 113; factory setting + 35 / + 95					
Refrigerant	R134a	530			480		g
Duty cycle		100					%
Condensate management		condensate drain					
Protection system according to EN 60529	IP 54	towards the electrical enclosure if used as intended by the manufacturer					
	IP 34	towards the surroundings if used as intended by the manufacturer					
Design	housing	galvanised sheet steel					
	cover	galvanised/electrostatically powder coated (200 °C); stainless steel on request					
Colour (cover)		RAL 7035, different colours available on request					
Accessories	Piece	Article number				Information on page	
External condensate evaporation system	1	1831400001				70	
Condensate bottle	1	18314000100				70	

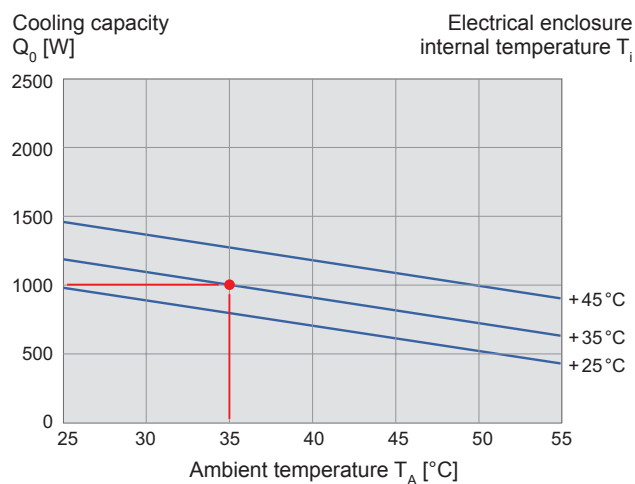
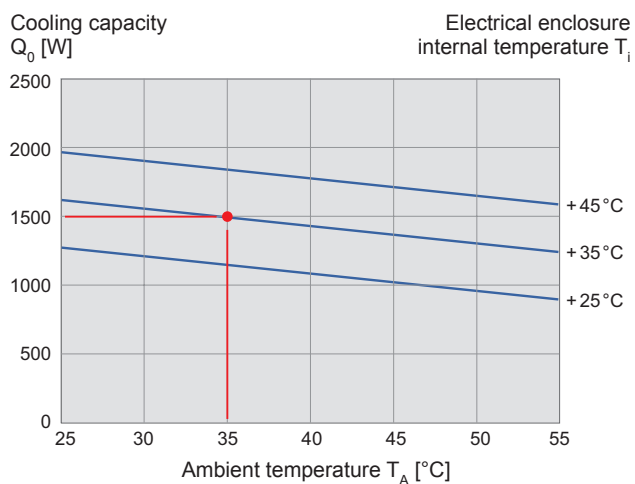
¹ suitable for various supply voltages (see technical specific data sheet)

Approvals see page 18. For additional information to ensure the accurate setting of the motor protection switch, please see technical specific data sheet. This information is included with the delivery of the unit or can be found at www.pfannenber.com.

Cooling capacity performance curves

DTS 7341

DTS 7241



Dimensions

	X	Y	Z	A	B	C	D	E	F	G	H	I
mm	390	1350	200	421.5	471.5	234	47.5	335	390	465	350	330

Mounting holes \varnothing 8 mm and cut-out radii R20

DTS 7341 / DTS 7241

