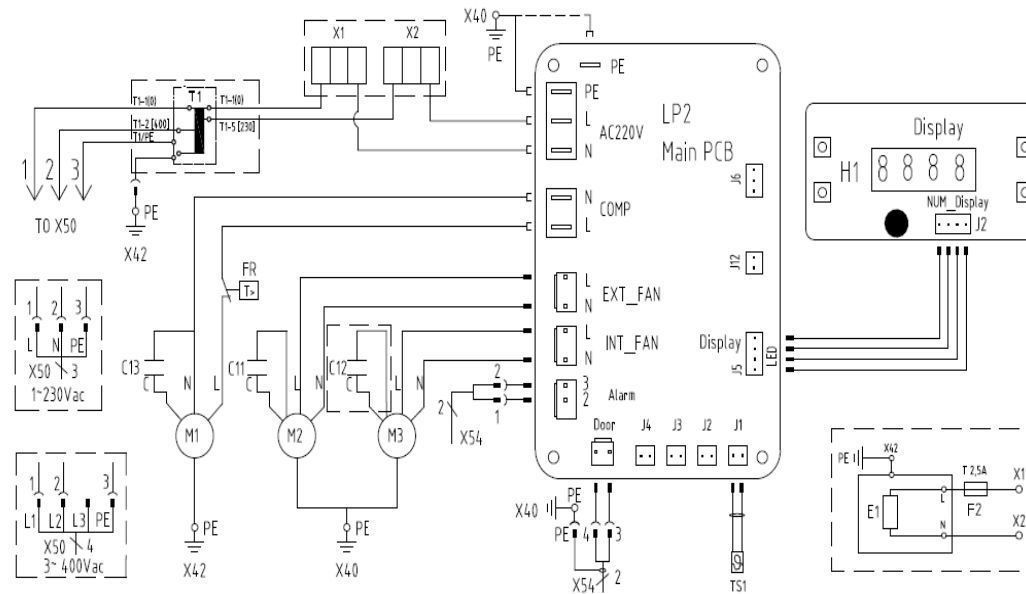


DTS 4541E Standard-Controller

Circuit Diagram



C11	Capacitors-condenser fan	M1	Compressor
C12	Capacitors-evaporator fan	M2	Condenser fan
C13	Capacitors-compressor	M3	Evaporator fan
E1	Condensate evaporation	T1	Control transformer
F2	Fuse	TS1 (Pb1)	Temperature sensor
FR	Overheat protector	X1/X2	Sub terminal
H1	Operating indicator	X40/X42	Earthing connection
LP2	PCB	X50	Connection mains
		X54	Connection failure indication + door contact
		[]	Option



Door contact: No external voltage

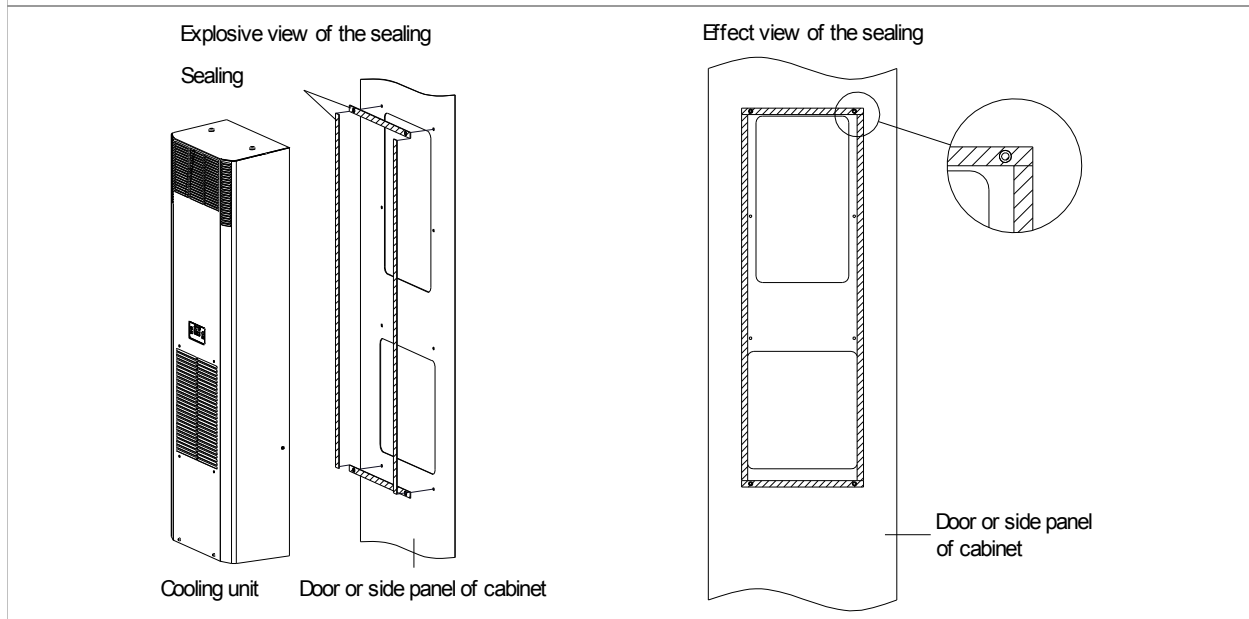
Spare parts

Please order your spare parts only with the *Pfannenberger*-parts-number.

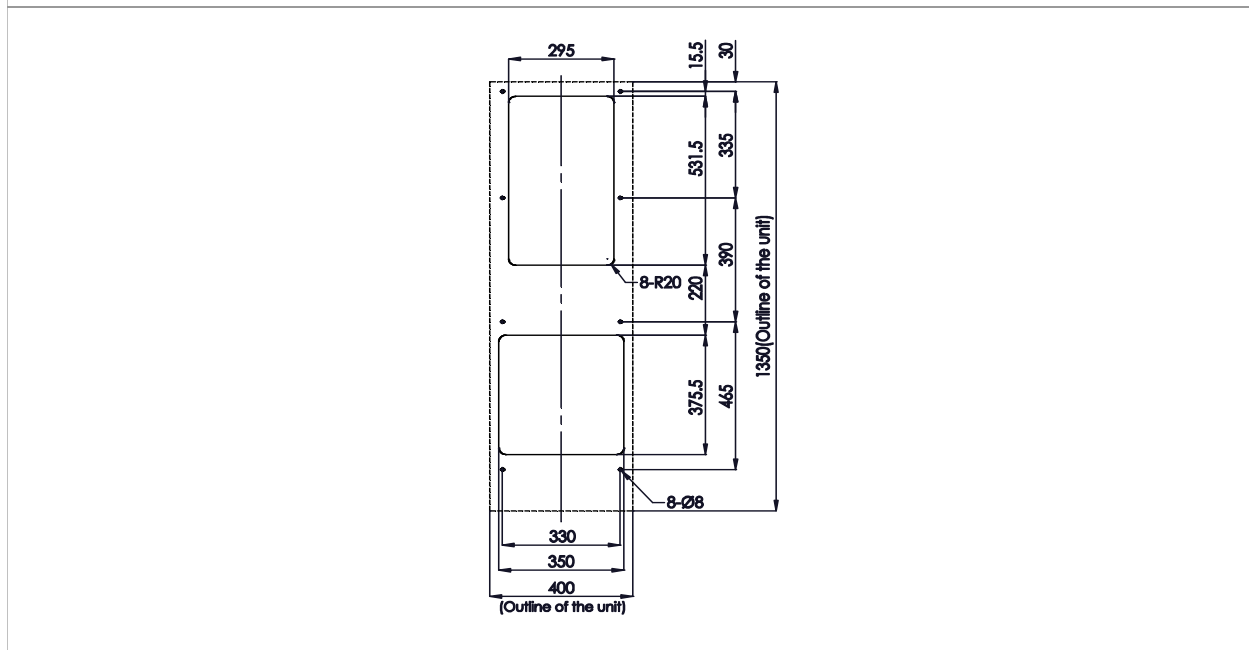
Internal fan	18861100022	External fan	18861100022
Compressor	18861200005	DTS4541E Cover RAL7035	18860200016
		DTS4541E Cover VAH	18860200021
Controller	Part number is located on the controller's transformer		

DTS 4541E

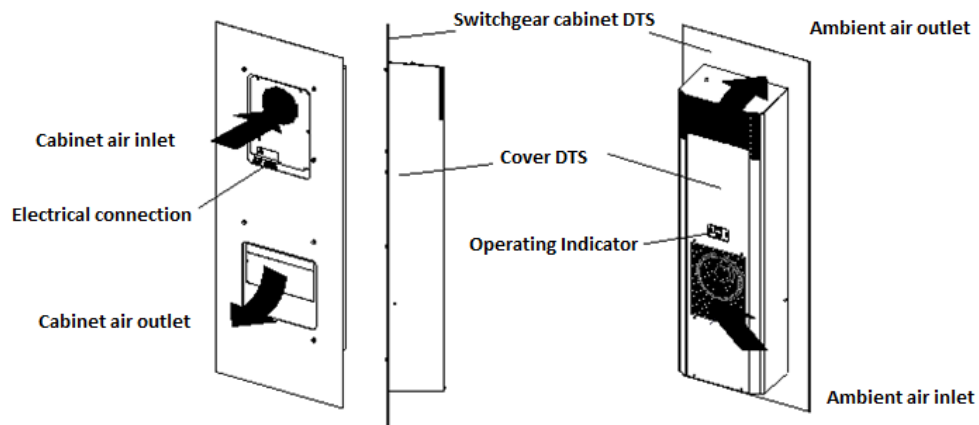
Sealing



Drilling template



Airflow principle



Read this manual completely and carefully before installing the unit. This manual is an integral part of the scope of delivery and must be kept until the unit is disposed of.



Prior to mounting, ensure that the clearance of the units to each other and to the wall is at least 200mm; air inlet and outlet are not obstructed on the inside of the enclosure.

Technical Data

Cooling data		DTS 4541E	
Cooling capacity at A35/A35 * **	Q _o	2500 W	
Cooling capacity at A50/A35 * **	Q _o	1800 W	
Refrigerant type *		R 134a	
Refrigerant amount *		760 g	
Thermostat setting, (factory set)		+35°C (+95°F)	
Failure indication: Enclosure internal temp. (factory set)		> +50°C (+122°F)	
Ambient air temperature		+15°C (+59°F) . . . +55°C (+131°F)	
Enclosure internal temp.		+25°C (+77°F) . . . +45°C (+113°F)	
Air volume, external circulation °)		1490 m³/h	
Air volume, internal circulation °)		1490 m³/h	
Condensation discharge		Condensate discharge pipe (Option: condensate evaporator)	
Noise level (1m)		≤ 67 dB(A)	
Electrical data			
Mains frequency		50 Hz	
Operating range		DIN IEC 60038	
Rated voltage		230 V	400 V
Power consumption *(A35/A35) :	P _{el}	1068 W	1089 W
Current capacity *	I _{nom max}	7.9 A	7.0 A
Starting current *	I _{Start max}	18.4 A	18.4 A
Condensate evaporator(CM)	P _{el}	Option: 30-110W (A35/A35 ca. 70W)	
Dimensions			
Height		1350 mm	
Width		400 mm	
Depth °°)		230 mm	
Weight		DTS 8541E 230V	DTS 8541E 400V
		49.3 kg	62.7 kg
CM Weight		Option: 0.5kg	
Installation attitude		Vertical	
Unit construction		Standard: steel Option: Stainless	
Corrosion protection		Standard: galvanized, electrostatically powder coated (200°C) Option: Stainless, Aluminium	
Protection classification		IP 54 against the enclosure (EN 60529), under correct operating conditions. IP 34 against the environment (EN 60529), under correct operating conditions,with front cover on.	

- * ID Plate Information
 ** Cooling capacity without filter mats (option).
 °) free-blowing
 °°) /need additional electrical terminal space 40mm