

DATA SHEET

PS 80 Z Thermal Store

	Main Features	
	Application	PS 80 Z Wall-hung thermal store is designed for storing and subsequent distribution of thermal energy. It is suitable as a buffer tank for inverter heat pumps to ensure sufficient water volume during evaporator defrosting. The tank has four G 1" M connections to connect heat sources and heating system. It comes with insulation and parts for hanging the tank. When needed, an electric heating element of max. 7.5 kW output can be installed into the tank, for codes see the Catalogue.
	Working fluid	water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1)
	Storage tank code	18754
	Insulation code	-

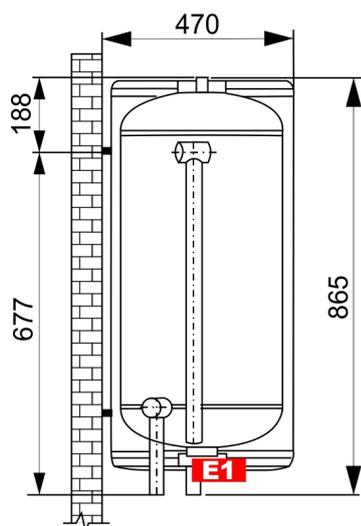
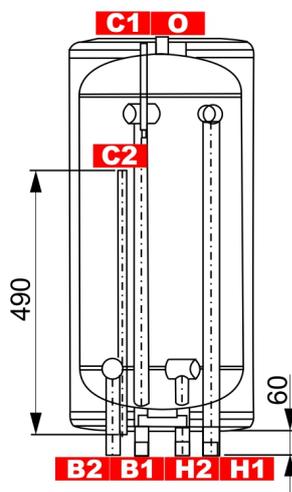
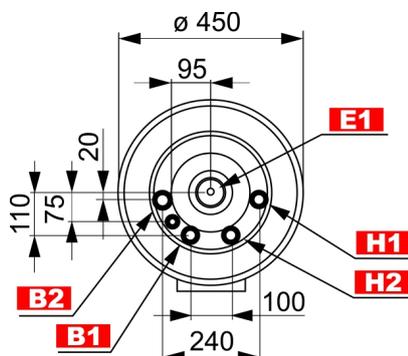
Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	valid for a tank with insulation
Energy efficiency class	C
Static loss	55 W
Storage volume	77 l

Technical data	
Total storage tank volume	77 l
Max. working temperature in storage tank	80 °C
Max. working pressure in storage tank	3 bar
Storage tank diameter	400 mm
Storage tank diameter with insulation	450 mm
Storage tank overall height	865 mm
Tipping height without insulation	980 mm
Storage tank perimeter insulation thickness	25 mm
Storage tank bottom insulation thickness	25 mm
Storage tank top insulation thickness	25 mm
Empty weight without insulation	36 kg

Materials	
Storage tank material	steel
Storage tank perimeter insulation	PUR foam
Storage tank outer surface insulation	sheet metal
Top and bottom storage tank insulation	PUR foam

PS 80 Z Thermal Store

Dimensions



TAPPINGS

pos.	description	connection	height [mm]
Heat sources			
B1	Supply from heat source	G 1" M	*
B2	Return to heat source	G 1" M	*
Heating system			
H1	Supply to heat sink	G 1" M	*
H2	Return from heat sink	G 1" M	*
Control and safety			
C1	Temperature sensor	12,6 mm	*
C2	Temperature sensor	12,6 mm	*
O	Air vent	G 1/2" F	*

* Minimum tank hanging height from the floor when installing a 7.5 kW heating element – 650 mm