

DATA SHEET

PS 80 ZC Thermal Store



Main Features

Application	PS 80 ZC Wall-hung thermal store is designed for storing and subsequent distribution of heat/cold. 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 sources of heat/cold and a heating/cooling system. It comes with vapour-proof non-detachable insulation and parts for hanging the tank on a wall. 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 or water-glycerine mixture (max. 2:1).
Code	18932

Energy Efficiency Data (as per EC Regulation No. 813/2013)

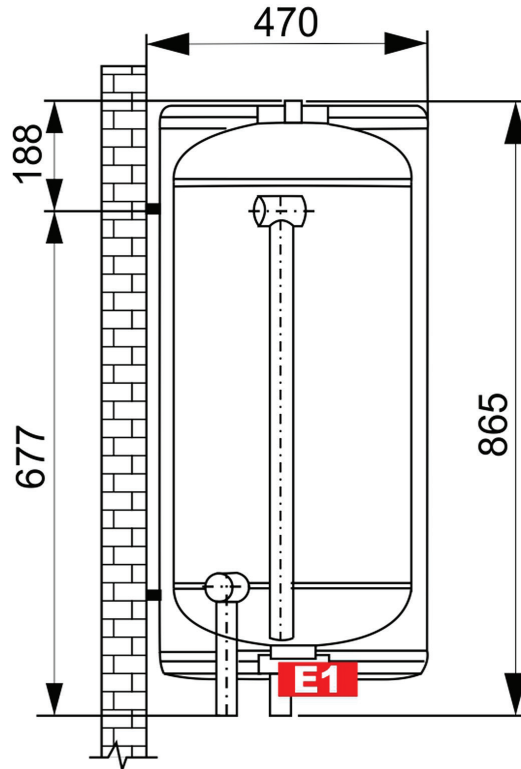
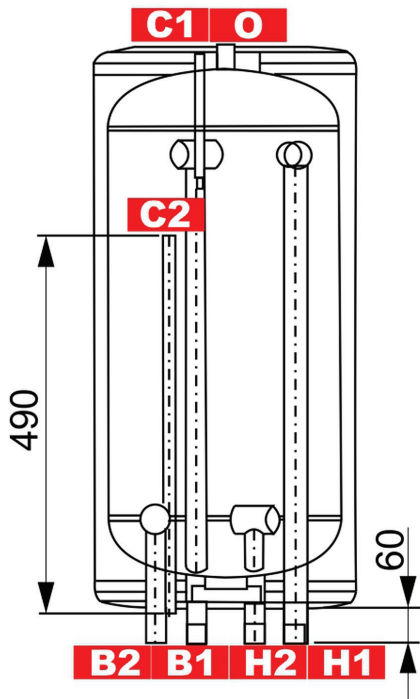
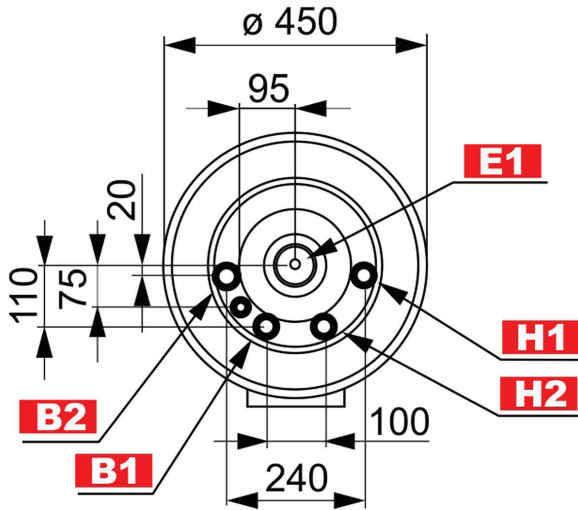
Energy Efficiency Class	C
Standing loss	55 W
Storage volume	77 l

Technical Data

Total tank volume	77 l
Working temperature in tank	5–80 °C
Max. pressure in tank	3 bar
Tank diameter	400 mm
Tank diameter with insulation	450 mm
Tank overall height	865 mm
Tank perimeter insulation thickness	25 mm
Bottom insulation thickness	25 mm
Top insulation thickness	25 mm
Tipping height	980 mm
Empty weight with insulation	36 kg

Materials

Tank material	steel
Tank insulation material	PUR foam
Outer surface of the insulation	sheet metal

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Dimensions


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

Pos.	Description	Connections
Heat sources		
B1	Inlet from heat source	G 1" M
B2	Return to heat source	G 1" M
Heating system		
H1	Flow to heating system	G 1" M
H2	Return from heating system	G 1" M
Auxiliary heat source		
E1	Electric heating element	G 6/4" F
Control and safety		
O	Air discharge	G 1/2" F
C1	Sheath	ø 12,6 mm
C2	Sheath	ø 12,6 mm