Certificate

Certified Passive House Classic

B.Tec Prof. Dr. Harald Krause
Sonnenfeld 9
DE-83122 Samerberg
www.btec-rosenheim.de

B.TEC
Dr. Harald Krause

Authorised by:

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany

LSS Hille
Övre Hattmursvägen 4, 806 48 Gävle, Sweden

Zertifiziertes Passivhaus
Passivhaus Institut
| classic | plus | premium |

Client	Emrahus AB Box 21 261 22 Landskrona, Sweden
Architect	PE Arkitektur Gustav Adolfs Torg 10A 211 39 Malmö, Sweden
Building Services	Enerwex Honnörsgatan 16 352 36 Växjö, Sweden
Energy Consultant	IG Passivhus Sverige Honnörsgatan 16 352 36 Växjö, Sweden

Passive House buildings offer excellent thermal comfort and very good air quality all year round. Due to their high energy efficiency, energy costs as well as greenhouse gas emissions are extremely low.

The design of the above-mentioned building meets the criteria defined by the Passive House Institute for the 'Passive House Classic' standard:

Building quality		This building		Criteria	Alternative criteria
Heating					
Heating demand	[kWh/(m²a)]	13	≤	15	-
Heating load	[W/m²]	12	≤	-	10
Cooling					
Cooling + dehumidification demand	[kWh/(m²a)]	-	≤	-	-
Cooling load	[W/m²]	-	≤	-	-
Frequency of overheating (> 25 °C)	[%]	0	≤	10	
Frequency of excessively high humidity	[%]	0	≤	20	
Airtightness					
Pressurization test result (n_{50})	[1/h]	0,6	≤	0,6	
Non-renewable primary energy (PE)					
PE demand	[kWh/(m²a)]	102	≤	120	
Renewable primary energy (PER)					
PER-demand	[kWh/(m²a)]	95	≤	-	-
Generation (reference to ground area)	[kWh/(m²a)]	0	≥	-	-

The associated certification booklet contains more characteristic values for this building.

Samerberg, 22. May 2017
Certifier: Harald Krause, B.Tec Prof. Dr. Harald Krause