

# Certificate

Certified PHI Low Energy Building

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Authorised by:

  
**Passive House  
Institute**  
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64283 Darmstadt  
Germany



**Bo17 - HSB Radhus**  
**Selma Lagerlöfs Gata 4, 6, 8, 583 28 Linköping, Sweden**



Client	HSB Östergötland Stationsgatan 12 582 42 Linköping, Sweden
Architect	WINELL & JERN arkitekter AB St. Larsgatan 41 582 24 Linköping, Sweden
Building Services	Enerwex Honnörsgatan 16 352 36 Växjö, Sweden
Energy Consultant	IG PASSIVHUS SVERIGE Honnörsgatan 16 352 36 Växjö, Sweden

The characteristic energy values of buildings certified according to the PHI Low Energy Building Standard are verified as thoroughly as for Passive House certification. However, due to various reasons PHI Low Energy Buildings have a somewhat higher energy demand (criteria: see [www.passivehouse.com](http://www.passivehouse.com)).

**The design of the above-mentioned building meets the criteria defined by the Passive House Institute for the PHI Low Energy Building Standard:**

Building quality	This building	Criteria	Alternative criteria
<b>Heating</b> Heating demand [kWh/(m <sup>2</sup> a)]	<b>21</b> ≤	30	
<b>Cooling</b> Cooling + dehumidification demand [kWh/(m <sup>2</sup> a)]	- ≤	-	
Frequency of overheating (> 25 °C) [%]	<b>0</b> ≤	10	
Frequency of excessively high humidity [%]	<b>0</b> ≤	20	
<b>Airtightness</b> Pressurization test result (n <sub>50</sub> ) [1/h]	<b>0,4</b> ≤	1,0	
<b>Non-renewable primary energy (PE)</b> PE demand [kWh/(m <sup>2</sup> a)]	<b>76</b> ≤	0	
<b>Renewable primary energy (PER)</b> PER-demand [kWh/(m <sup>2</sup> a)]	<b>61</b> ≤	0	0
Generation (reference to ground area) [kWh/(m <sup>2</sup> a)]	<b>100</b> ≥	-	-

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

**Samerberg-Törwang, 10. April 2017**

Certifier: Harald Krause, B.Tec Prof. Dr. Harald Krause