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Certificate

Principal: Hassing Huset, Fabriksvej 2, 7760 Hurup Thy

Architect: Bjerg Arkitektur, Kongensgade 7, 9800 Hjørring

Passivhus.dk - Passivhus.fi awards the building
Hassing Huset, Stenagervænget 39, DK-7100 Vejle

the qualification of

Quality-Approved Passive House

The design of this building meets the criteria for Passive Houses defined by the Passive House Institute and with appropriate execution it will conform to the following standards:

- The building features excellent heat insulation throughout and top grade component joint details with regard to building physics. External sun protection has also been considered. Heat requirements are limited to

15 kWh per m² living area and year

- The building shell features excellent draught sealing, which is proven according to EN 13829 regulations and is guaranteed draught-free and low in energy consumption. The air exchange rate of the building shell at a differential pressure of 50 Pa is limited to

0,6 h^{-1}, with reference to the building's volume

- The building features a controlled ventilation system with high class filters and efficient heat recovery, combined with a low electricity demand, thereby achieving excellent air quality together with low energy consumption.
- With standard usage, the primary energy demands for heating, warm water, ventilation and household electricity amount to less than

120 kWh per m² living area and year

This certificate is only to be used in conjunction with the certification documents, from which the precise data of the building can be obtained.

Passive Houses offer high comfort in both summer and winter conditions and can be heated with little effort, e.g. by heating the supply air. The building shell of a Passive House is uniformly warm on the inside, with interior surface temperatures closely matching those of room air temperature. Due to the high grade draught sealing, the development of draughts is practically impossible under normal use. The ventilation system continually provides good air quality. Heating costs in a Passive House are very low due to their low energy consumption. Therefore, Passive Houses offer economic security against future increases in both energy prices and shortages. Moreover, the environment is optimally protected because of the cost-effective consumption of energy resources, thereby causing minimal emissions of carbon dioxide (CO_2) and other contaminants.

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Søren Pedersen
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