

Heat pump test requirements

This document specifies the reports needed prior to making a heat pump application.

For Heat pumps that provide space heating (with or without water heating)

- Product label
- Complete EN 14825 test report at average climate at 35°C and 55°C
- Complete EN 14825 test report at average climate at 65°C is optional
- Ecodesign Technical Parameters (fiche) document
- Evidence of sink outlet water (flow) temperature control during test
- Evidence of permanently enabled weather compensation, if present
- Evidence of synchronised controls for direct water heating, if present
- For exhaust air heat pumps, EN14825 datasets will be required at two or three air flow rates
- For variable capacity heat pumps, EN14511 standard rating condition (7°C) must be provided at 35°C and 55°C

Hot water only heat pumps

- Product label
- EN 16147 test data at 'M' Profile
- EN 16147 test data at 'L' Profile is optional

Tank data

If the hot water vessel is integrated within the heat pump, i.e. a combination heat pump, then the following is required:

- Volume (Litres)
- Surface area of heat exchanger or heat transfer area (m²)
- BS 1566 or EN12897 (or equivalent) test report confirming vessel standing heat loss (kWh/day)

If the hot water vessel is not integrated within the heat pump, then the following is required:

- Minimum volume (litres) within the range of manufacturer specified vessels
- Minimum surface area of heat exchanger, or heat transfer area (m²), within the range of manufacturer specified vessels
- Maximum heat loss (kWh/day) within the range of manufacturer specified vessels