|  |  |  |
| --- | --- | --- |
| **Date** | **Description of modification** | **Revision number** |
| 19/03/2019 | Initial version | 1 |
| Xx/xx/xx | Details on scope of this annex  Correction | 2 |

This template is an informative sheet that might be used, or not used, by certification body to inform to the certificate holders about the models to be tested in the scope of admission test surveillance test.

This template might not be exhaustive and might be modified if required.

This template cannot be used for hybrid heat pumps, gas heat pumps and CO2 heat pumps.

1. ***Sample description***

|  |  |  |
| --- | --- | --- |
| Year of surveillance/admission test |  | |
| Certificate holder |  | |
| Production sitea |  | |
| Type |  | |
| Sub-type designation |  | |
| Sampled model to be tested | Designation |  |
| Serial number |  |
| Sampling date |  |
| For split and multi split | Designation of the complete assembly b |  |
| a in case of split unit where indoor and outdoor are not produced at the same factory, production site where sampling is done shall be indicated  b for split and multi split where only one or several pieces have been sampled at the production site, the missing part(s) to complete the system and that shall be provided by the certificate holder shall be indicated | | |

1. ***Performance that are certified or to be certified***

Note: boxes corresponding to the certified applications and optional climates shall be ticked.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Water based heat pump** | | | | | | | | | | | |
| ***Space heating***  Average climate | Outdoor air | | | Exhaust air | | | Brine | | | Water | |
| Low | Medium | | Low | | Medium | Low | Medium | | Low | Medium |
|  |  | |  | |  |  |  | |  |  |
|  | | | | | | | | | | | |
| ***Domestic hot water*** *average climate* | Outdoor air | | Exhaust air | | Brine | | Water | |
|  | |  | |  | |  | |
| Taping cycle | |  | |
|  | | | | | | | | | | | |
| ***Climate*** | Colder | | Warmer | |
|  | |  | |
|  | | | | | | | | | | | |
| ***Space cooling*** | +7°C/+12°C | | +18°C/+23°C | |
|  | |  | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Air to air heat pump** | | | | |
| ***Space heating*** | A7/20 |
|  | |
|  | | | | |
| ***Climate*** | Colder | Warmer | |
|  |  | |
|  | | | | |
| ***Space cooling*** | A20 |
|  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Heat pump for domestic hot water** | | | | | | |
| ***Domestic hot water*** *average climate* | Outdoor air | Exhaust air | Indoor air | Non heated space air | Brine | Water |
|  |  |  |  |  |  |
| Load profile |  |
|  | | | | | | |
| ***Climate*** | Colder | Warmer |
|  |  |

1. ***Testing points to be performed***

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Water based heat pump** | | | | | | | | | | | | | | | |
| Heat source to be tested | Brine | | | | | | | | Water | | | | | | |
|  | | | | | | | |  | | | | | | |
| ***EN14511-4 Space heater*** | Shutting off the heat transfer medium flow | | | | | | | | Complete power supply failure | | | | | | |
|  | | | | | | | |  | | | | | | |
| ***EN16147 DHW HP*** | Safety devices checking test | | | | | | | | Condensate draining | | | | | | |
|  | | | | | | | |  | | | | | | |
|  | | | | | | | | | | | | | | | |
| ***Space heating testing conditions*** | | | | | | | | | | | | | | | |
| ***EN14511-2*** | Outdoor air | | | Exhaust air | | | | | Brine | | | | Water | | |
| Low | Medium | | Low | | | Medium | | Low | | Medium | | Low | Medium | |
|  |  | |  | | |  | |  | |  | |  |  | |
|  | | | | | | | | | | | | | | | |
| ***EN14825***  ***Low temperature*** | | A (-7°C) | | B (+2°C) | | | C (+7°C) | | D (+12°C) | | E (TOL) | | F (Tbiv) | G (-15°C) | |
| *Average* | |  | |  | | |  | |  | |  | |  |  | |
| *Colder* | |  | |  | | |  | |  | |  | |  |  | |
| *Warmer* | |  | |  | | |  | |  | |  | |  |  | |
|  | | | | | | | | | | | | | | | |
| ***EN14825***  ***Medium temperature*** | | A (-7°C) | | B (+2°C) | | | C (+7°C) | | D (+12°C) | | E (TOL) | | F (Tbiv) | G (-15°C) | |
| *Average* | |  | |  | | |  | |  | |  | |  |  | |
| *Colder* | |  | |  | | |  | |  | |  | |  |  | |
| *Warmer* | |  | |  | | |  | |  | |  | |  |  | |
|  | | | | | | | | | | | | | | | |
| ***Space cooling testing conditions*** | | | | | | | | | | | | | | | |
| ***EN14825*** | | A (+35°C) | | | | B(+30°C) | | C (25°C) | | D (+20°C) | |
| *+7°C/+12°C application* | |  | | | |  | |  | |  | |
| *+18°C/+23°C application* | |  | | | |  | |  | |  | |
|  | | | | | | | | | | | | | | | |
| ***Domestic hot water*** | | | | | | | | | | | | | | | |
| ***EN16147*** | | Outdoor air | | | | | Exhaust air | | Brine | | Water | Load profile | | |
|  | | A7 | A2 | | A14 | |
| Average | |  |  | |  | |  | |  | |  |  | | |
| *Colder* | |  |  | |  | |  | |  | |  |  | | |
| *Warmer* | |  |  | |  | |  | |  | |  |  | | |
|  | | | | | | | | | | | | | | | |
| ***Sound power level*** | | | | | | | | | | | | | | | |
| ***EN12102-1*** | Outdoor air | | | Exhaust air | | | | | Brine | | | | Water | | |
| Low | Medium | | Low | | | Medium | | Low | | Medium | | Low | Medium | |
| Average |  |  | |  | | |  | |  | |  | |  |  | |
| *Colder* |  |  | |  | | |  | |  | |  | |  |  | |
| *Warmer* |  |  | |  | | |  | |  | |  | |  |  | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Air to air heat pumps** | | | | | | | | | | | | | | | | | |
| ***EN14511-4*** | | Shutting off the heat transfer medium flow | | | | | | | | | Complete power supply failure | | | | | | |
|  | | | | | | | | |  | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| ***Space heating testing conditions*** | | | | | | | | | | | | | | | | | |
| ***EN14511-2*** | | A7/20 | |
|  | |
|  | | | | | | | | | | | | | | | | | |
| ***EN14825*** | | A (-7°C) | | | B (+2°C) | | C (+7°C) | | D (+12°C) | | | E (TOL) | | F (Tbiv) | G (-15°C) | |
| *Average* | |  | | |  | |  | |  | | |  | |  |  | |
| *Colder* | |  | | |  | |  | |  | | |  | |  |  | |
| *Warmer* | |  | | |  | |  | |  | | |  | |  |  | |
|  | | | | | | | | | | | | | | | | | |
| ***Space cooling testing conditions*** | | | | | | | | | | | | | | | | | |
| ***EN14825*** | | | | A (+35°C) | | | | B (+30°C) | | C (25°C) | | | D (+20°C) | | |
|  | | | |  | |  | | |  | | |
|  | | | | | | | | | | | | | | | | | |
| ***Sound power level*** | | | | | | | | | | | | | | | | | |
| ***EN12102-1*** | A35/20 | | A7/20 | | |
|  | |  | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Heat pump for domestic hot water** | | | | | | | | | | | | |
| Heat source to be tested | Brine | | | | | | Water | | | | | |
|  | | | | | |  | | | | | |
| ***EN16147 DHW HP*** | Safety devices checking test | | | | | | | Condensate draining | | | | |
|  | | | | | | |  | | | | |
|  | | | | | | | | | | | | |
| ***Domestic hot water*** | | | | | | | | | | | | |
| ***EN16147*** | | Outdoor air | | | Exhaust air | Indoor air | | | Non heated space air | Brine | Water | Load profile |
| A7 | A2 | A14 |
| Average | |  |  |  |  |  | | |  |  |  |  |
| *Colder* | |  |  |  |  |  | | |  |  |  |  |
| *Warmer* | |  |  |  |  |  | | |  |  |  |  |
|  | | | | | | | | | | | | |
| ***Sound power level*** | | | | | | | | | | | | |
| ***EN12102-2*** | | Outdoor air | | | Exhaust air | Indoor air | | | Non heated space air | Brine | Water |
| A7 | A2 | A14 |
| Average | |  |  |  |  |  | | |  |  |  |
| *Colder* | |  |  |  |  |  | | |  |  |  |
| *Warmer* | |  |  |  |  |  | | |  |  |  |