

## Proposed changes to MCS 007

Below is a proposal for changes to section 6.7 in MCS 007 which relates to air-to-air products. This includes an amendment to the current Commission Regulation that relates to air to air and reference to using the energy label SCOP rather than calculating via MCS 026:

### 6.7 ELECTRICALLY DRIVEN AIR TO AIR HEAT PUMPS FOR SPACE HEATING

6.7.1 For compliance with this Scheme, electrically driven air to air heat pumps for space heating shall be optimised for heating.

6.7.2 Space heaters with a heating capacity of  $\leq 12\text{kW}$  shall:

- Meet or exceed the minimum SCOP performance benchmarks as specified within COMMISSION REGULATION (EU) No 206/2012, Appendix I Table 6 "Requirements for minimum energy efficiency". As defined by the figure listed on the product energy label.
- Not exceed the sound power level limits specified within COMMISSION REGULATION (EU) No 206/2012, Appendix I, Clause 2, Table 5 "Requirements for maximum sound power level", when tested at the relevant standard rating condition.

6.7.3 Combination heaters with a heating capacity of  $\leq 12\text{kW}$  shall:

- Meet or exceed the minimum SCOP performance benchmarks as specified within COMMISSION REGULATION (EU) No 206/2012, Appendix I Table 6 "Requirements for minimum energy efficiency". As defined by the figure listed on the product energy label.
- Not exceed the sound power level limits specified within COMMISSION REGULATION (EU) No 206/2012, Appendix I, Clause 2, Table 5 "Requirements for maximum sound power level", when tested at the relevant standard rating condition.
- Meet the requirements of COMMISSION REGULATION (EU) No 813/2013, Appendix II, Clause 2, "Requirements for water heating energy efficiency".

6.7.4 Space heaters with a heating capacity of  $> 12\text{kW}$  and  $\leq 45\text{kW}$  shall:

- Meet the requirements of COMMISSION REGULATION (EU) No 2016/2281, Annex II, Table 2, "Second tier minimum seasonal space heating energy efficiency of air heating products".

- Not exceed the sound power level limits within COMMISSION REGULATION (EU) No 813/2013, Appendix II, Clause 3, "Requirements for sound power level", when tested at the relevant standard rating condition.

6.7.5 Combination heaters with a heating capacity of **>12kW and ≤45kW** shall:

- Meet the requirements of COMMISSION REGULATION (EU) No 2016/2281, Annexe II, Table 2, "Second tier minimum seasonal space heating energy efficiency of air heating products".
- Not exceed the sound power level limits within COMMISSION REGULATION (EU) No 813/2013, Appendix II, Clause 3, "Requirements for sound power level", when tested at the relevant standard rating condition.
- Meet the requirements of COMMISSION REGULATION (EU) No 813/2013, Appendix II, Clause 2, "Requirements for water heating energy efficiency".

6.7.6 Evidence shall be provided of actual testing of products at the relevant test point conditions and testing methodology selected from those defined in Table 1.

Test Category	Test Conditions	Heat Pump Type (s)
Thermal Performance	EN 14825:2022 Table 6 – Average Condition A or B	Air to air heat pumps for space heating with a heating capacity ≤12kW
	COMMISSION REGULATION (EU) No 2016/2281, Annexe III, Table 16, "Standard rating conditions for air-to-air heat pumps and air conditioners"	Air to air heat pumps for space heating with a heating capacity of >12kW and ≤45kW
Sound Power Levels	EN 14511-2:2022 at Standard Rating Conditions as per the definition in Section 2 Definitions and Glossary of this standard	All air to air heat pumps
	EN 12102-1:2022	
Operation	EN 14511-4:2022	All air to air heat pumps

**Table 1**