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ANNEX

Annex 1

to the

COMMISSION DELEGATED REGULATION (EU) No .../..

**supplementing Directive 2010/30/EU of the European Parliament and of the Council
with regard to energy labelling of vacuum cleaners**

ANNEX I

Energy efficiency, cleaning performance and dust re-emission classes

1. Energy efficiency classes

The energy efficiency class of a vacuum cleaner shall be determined in accordance with its annual energy consumption as set out in Table 1. The annual energy consumption of a vacuum cleaner shall be determined in accordance with Annex VI.

Table 1: Energy efficiency classes

Energy Efficiency Class	Annual energy consumption (AE) [kWh/yr]	
	Label 1	Label 2
A+++	n/a	$AE \leq 10.0$
A++	n/a	$10.0 < AE \leq 16.0$
A+	n/a	$16.0 < AE \leq 22.0$
A	$AE \leq 28.0$	$22.0 < AE \leq 28.0$
B	$28.0 < AE \leq 34.0$	$28.0 < AE \leq 34.0$
C	$34.0 < AE \leq 40.0$	$34.0 < AE \leq 40.0$
D	$40.0 < AE \leq 46.0$	$AE > 40.0$
E	$46.0 < AE \leq 52.0$	n/a
F	$52.0 < AE \leq 58.0$	n/a
G	$AE > 58.0$	n/a

2. Cleaning performance classes

The cleaning performance class of a vacuum cleaner shall be determined in accordance with its dust pick up (dpu) as set out in Table 2. The dust pick up of a vacuum cleaner shall be determined in accordance with Annex VI.

Table 2: Cleaning performance classes

Cleaning performance class	Dust pick up on carpet (dpu_c)	Dust pick up on hard floor (dpu_{hf})
A	$dpu_c \geq 0.91$	$dpu_{hf} \geq 1.11$
B	$0.87 \leq dpu_c < 0.91$	$1.08 \leq dpu_{hf} < 1.11$
C	$0.83 \leq dpu_c < 0.87$	$1.05 \leq dpu_{hf} < 1.08$
D	$0.79 \leq dpu_c < 0.83$	$1.02 \leq dpu_{hf} < 1.05$
E	$0.75 \leq dpu_c < 0.79$	$0.99 \leq dpu_{hf} < 1.02$
F	$0.71 \leq dpu_c < 0.75$	$0.96 \leq dpu_{hf} < 0.99$
G	$dpu_c < 0.71$	$dpu_{hf} < 0.96$

3. Dust re-emission

The dust re-emission class of a vacuum cleaner shall be determined in accordance with its dust re-emission as set out in Table 3. The dust re-emission of a vacuum cleaner shall be determined in accordance with Annex VI.

Table 3: Dust re-emission classes

Dust re-emission class	Dust re-emission (<i>dre</i>)
A	$dre \leq 0.02\%$
B	$0.02\% < dre \leq 0.08\%$
C	$0.08\% < dre \leq 0.20\%$
D	$0.20\% < dre \leq 0.35\%$
E	$0.35\% < dre \leq 0.60\%$
F	$0.60\% < dre \leq 1.00\%$
G	$dre > 1.00\%$