

# DIN EN 13141-5:2022-12 (E)

## Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 5: Cowls, assisted cowls and roof outlet terminal devices

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Introduction .....		5
1	Scope .....	7
2	Normative references .....	7
3	Terms and definitions .....	7
4	Symbols and abbreviated terms .....	8
5	Performance testing of aerodynamic characteristics .....	10
5.1	Test installation .....	10
5.2	Pressure drop .....	14
5.3	Suction effect of a cowl .....	16
6	Performance testing of electrical characteristics .....	20
6.1	Test installation .....	20
6.2	Electrical power input .....	20
7	Performance testing of acoustic characteristics of assisted cowl .....	21
7.1	General .....	21
7.2	Radiative sound power in outdoor space - L <sub>Wo</sub> .....	21
7.3	Sound power level in duct connections of the unit .....	24
8	Test report .....	25
8.1	General .....	25
8.2	Aerodynamics characteristics .....	26
8.3	Electricals characteristics .....	26
8.4	Acoustics characteristics .....	26
Annex A (normative) Derivation of values through the similitude law .....		28
Bibliography .....		29