

DIN EN 13141-3:2017-09 (E)

Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 3: Range hoods for residential use without fan

| Contents | page |
|--|-------------|
| European foreword..... | 3 |
| Introduction | 4 |
| Figure 1 — Position of EN 13141-3 in the field of the mechanical building services | 4 |
| 1 Scope | 5 |
| 2 Normative references | 5 |
| 3 Terms and definitions | 5 |
| 4 Performance testing of aerodynamic characteristics..... | 6 |
| 4.1 Principle | 6 |
| 4.2 Test procedure..... | 6 |
| 4.3 Analysis of results..... | 6 |
| 4.4 Presentation of results..... | 6 |
| 5 Performance testing of acoustic characteristics..... | 6 |
| 5.1 Noise production | 6 |
| 5.1.1 Principle | 6 |
| 5.1.2 Test installation and conditions | 6 |
| 5.1.3 Test procedure..... | 6 |
| 5.1.4 Presentation of test results | 6 |
| 5.2 Insertion loss | 7 |
| 5.2.1 Principle | 7 |
| 5.2.2 Test installation and conditions | 7 |
| 5.2.3 Test procedure..... | 7 |
| 5.2.4 Analysis of test results..... | 7 |
| 5.2.5 Presentation of test results | 7 |
| 5.3 Sound insulation characteristics of a pair of range hoods | 7 |
| 5.3.1 Principle | 7 |
| 5.3.2 Test installation and conditions | 7 |
| 5.3.3 Test procedure..... | 7 |
| 5.3.4 Analysis of test results..... | 7 |
| 5.3.5 Presentation of test results | 7 |
| 6 Performance testing of grease absorption..... | 7 |
| 7 Performance testing of odour extraction..... | 8 |
| Figure 2 — Test room..... | 10 |
| Figure 3 — Test room with disturbing element | 11 |
| Figure 4 — Pan | 11 |
| Bibliography..... | 12 |