

ISO 21927-2:2006-11 (E)

Smoke and heat control systems - Part 2: Specification for natural smoke and heat exhaust ventilators

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols	4
5	Design requirements	5
5.1	Initiation device	5
5.2	Opening mechanism	6
5.3	Opening of the ventilator	6
5.4	Size of the geometric area	6
5.5	Inputs and outputs (connections)	7
6	General testing procedures	7
7	Aerodynamic free area of the ventilator	7
8	Performance requirements and classification	7
8.1	Reliability	7
8.2	Opening under load	8
8.3	Low ambient temperature	9
8.4	Wind load	10
8.5	Resistance to heat	10
9	Evaluation of conformity	11
9.1	General	11
9.2	Type testing	11
9.3	Factory production control (FPC)	11
10	Marking	11
11	Installation and maintenance information	12
11.1	Installation information	12
11.2	Maintenance information	12
Annex A (normative) General testing procedures		13
Annex B (normative) Determination of the aerodynamic free area		14
Annex C (normative) Test method for reliability		28
Annex D (normative) Test method for opening under load		29
Annex E (normative) Test method for low ambient temperature		30

Annex F (normative) Test methods for wind load	32
Annex G (normative) Test method for heat exposure	33
Annex H (normative) Direct field of application for SHEVs	36
Bibliography	40