

# DIN EN 1673:2010-10 (E)

## Food processing machinery - Rotary rack ovens - Safety and hygiene requirements (includes Amendment A1:2009)

---

<b>Contents</b>		<b>Page</b>
Foreword.....		3
Introduction.....		3
1	Scope .....	3
2	Normative references .....	4
3	Description .....	5
4	<b>A1</b> List of significant hazards <b>A1</b> .....	7
4.2	Mechanical hazards .....	7
4.3	Electrical hazards .....	8
4.4	Thermal hazards .....	8
4.5	Explosion and fire hazards .....	8
4.6	Hazard from being trapped inside.....	8
4.7	Hazard generated by neglecting hygienic design principles .....	8
4.8	Hazards generated by neglecting ergonomic principles.....	8
5	<b>A1</b> Safety and hygiene requirements and/or protective measures <b>A1</b> .....	8
5.2	Mechanical hazards .....	9
5.3	<b>A1</b> Electrical hazards <b>A1</b> .....	11
5.4	Thermal hazards .....	12
5.5	Fire hazards due to overheating .....	13
5.6	Hazard from being trapped inside.....	13
5.7	Hygiene requirements .....	13
5.8	Hazards generated by neglecting ergonomic principles.....	14
6	Verification of the safety and hygiene requirements and/or measures .....	14
7	Information for use .....	15
Annex A (normative)	Principles of design to ensure the cleanability of rotary rack ovens.....	17
A.1	<b>A1</b> Terms and definitions <b>A1</b> .....	17
A.2	Materials of construction .....	17
A.3	Design .....	18
Annex B (normative)	Noise test code - Grade 2 of accuracy.....	35
B.1	<b>A1</b> Terms and definitions <b>A1</b> .....	35
B.2	Installation and mounting conditions.....	35
B.3	Operating conditions.....	35
B.4	Measurements.....	35
B.5	Emission sound pressure level determination.....	35
B.6	Sound power level determination .....	36
B.7	Measurement uncertainties .....	36
B.8	Information to be recorded .....	36
B.9	Information to be reported.....	36
B.10	Declaration and verification of noise emission values.....	37
Annex ZA (informative)	<b>A1</b> Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC <b>A1</b> .....	39
Annex ZB (informative)	<b>A1</b> Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC <b>A1</b> .....	40
<b>A1</b>	Bibliography <b>A1</b> .....	41