

ISO 1680:2013-12 (E)

Acoustics - Test code for the measurement of airborne noise emitted by rotating electrical machines

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Description of machinery family	4
5	Sound power determination	5
5.1	General	5
5.2	Guidelines for the selection of the most appropriate basic standard	5
5.3	Additional requirements	5
6	Installation and mounting conditions	8
6.1	Mounting of the machine	8
6.2	Auxiliary equipment and loaded machines	9
7	Operating conditions	9
7.1	General	9
7.2	Load	10
7.3	Variable speed devices	10
8	Measurement uncertainty	10
9	Determination of the emission sound pressure level	12
9.1	General	12
9.2	Selection of the relevant work station	12
9.3	Selection of basic standard to be used	12
9.4	Measurement uncertainty	12
10	Indication of noise emission quantities determined according to this International Standard	12
11	Information to be recorded	13
12	Information to be reported	13
13	Declaration and verification of noise emission values (if required)	13
Annex A (informative)	Overview of standards for the determination of sound power levels of machines and equipment	15
Annex B (informative)	Example of a dual-number declaration for rotating electrical machines	18
Bibliography		19