ISO 13675:2013-11 (E)

Heating systems in buildings - Method and design for calculation of the system energy performance - Combustion systems (boilers)

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms,definitionsandsymbols 1
3.1 Terms and definitions 1
3.2 Symbols and units 4

4 Alignment of the parts of the heating system standards 5
4.1 Physical factors taken into account 5
4.2 Input quantities from other parts of the heating system standards 6
4.3 Output quantities for other parts of the heating system standards 6
4.4 Heat balance of the generation sub-system, including control of heat generation 7
4.5 Generation sub-system basic energy balance 8

5 Generation sub-system calculation 9
5.1 Available methodologies 9
5.2 Boiler efficiency 10

Annex A (informative) Additional formulas and default values for parametering the boiler efficiencymethod 19

Annex B (informative) General part default values and information 31

Annex C (normative) Maximum heating power in the building zone 32

Annex D (informative) Calculation examples for modulating condensing boiler 35

Annex E (informative)Generationsub-systemsandgrosscalorificvalues 39

Bibliography 43