

ISO 52031:2020-04 (E)

Energy performance of buildings - Method for calculation of system energy requirements and system efficiencies - Space emission systems (heating and cooling)

| Contents | | Page |
|------------------------------|---|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Symbols and subscripts | 2 |
| 4.1 | Symbols | 2 |
| 4.2 | Subscripts | 2 |
| 5 | Description of the method | 2 |
| 5.1 | Output of the method | 2 |
| 5.2 | General description of the method | 3 |
| 6 | Calculation method | 3 |
| 6.1 | Output data | 3 |
| 6.2 | Calculation time interval | 3 |
| 6.3 | Input data | 4 |
| 6.3.1 | Source of data | 4 |
| 6.3.2 | Product data (technical data) | 4 |
| 6.3.3 | Configuration and system design data | 5 |
| 6.3.4 | Operating or boundary conditions | 5 |
| 6.4 | Calculation procedure | 6 |
| 6.4.1 | Applicable calculation interval | 6 |
| 6.4.2 | Energy calculation (additional heating/cooling losses) | 6 |
| 6.4.3 | Auxiliary energy calculation | 10 |
| Annex A (normative) | Template for choices, input data and references (additional heating and cooling losses/auxiliary energy) | 12 |
| Annex B (informative) | Default choices, input data and references (additional heating and cooling losses/auxiliary energy) | 26 |
| Annex C (informative) | Boundary conditions for the development of energy related input parameter | 40 |
| Bibliography | | 46 |