

ISO 25745-2:2015-04 (E)

Energy performance of lifts, escalators and moving walks - Part 2: Energy calculation and classification for lifts (elevators)

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Data collection and analysis tools	2
5 Calculation of energy consumption	3
5.1 Methodology	3
5.2 Calculation of running energy per day	3
5.2.1 Usage and number of starts per day	3
5.2.2 Average travel distance	4
5.2.3 Average running energy per metre	4
5.2.4 Start/stop energy consumption	4
5.2.5 Running energy of an average cycle with empty car	5
5.2.6 Daily running energy	5
5.3 Calculation of non-running (idle/standby) energy consumption per day	6
5.3.1 Running time per day	6
5.3.2 Non-running time per day	7
5.3.3 Time ratios of idle/standby modes	7
5.3.4 Daily non-running (idle/standby) energy consumption	8
5.4 Total energy consumption per day	8
5.5 Total energy consumption per year	8
5.6 Method for determining the daily energy consumption for energy storage systems	8
6 Lift energy efficiency classification	9
6.1 Rationale	9
6.2 Performance level for running	9
6.3 Performance levels for idle/standby	10
6.4 Classification of energy performance of the lift	10
7 Specific running energy for the reference cycle	11
8 Reporting	11
Annex A (informative) Specific usage category	13
Annex B (informative) Example calculation	14
Annex C (informative) Symbols	16
Bibliography	18