



## Motor-operated appliances (household and commercial)



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# Contents

Technical Committee on Consumer and Commercial Products	8
Subcommittee on Electrical Motor and Battery-Operated Cleaning Appliances for Industrial and Commercial Use	10
Preface	13
<b>1 Scope</b>	<b>14</b>
<b>2 Reference publications</b>	<b>15</b>
<b>3 Definitions</b>	<b>18</b>
<b>4 General requirements</b>	<b>20</b>
<b>5 Construction</b>	<b>20</b>
5.1 General	20
5.1.1 Components	20
5.1.2 Stability	20
5.1.3 Backflow prevention	20
5.2 Enclosures	21
5.2.1 General	21
5.2.2 Protection of electrical parts	21
5.2.3 Supply cord material	21
5.2.4 Liquid containers	21
5.2.5 Nonmetallic enclosures	21
5.2.6 Flammability of enclosures of unattended appliances	22
5.2.7 Flammability of enclosures of attended appliances	22
5.2.8 Flammability of enclosures	22
5.2.9 Enclosures of moving parts	22
5.2.10 Enclosures of outdoor equipment	22
5.2.11 Enclosures of equipment used in a garage	23
5.2.12 Openings in enclosures	23
5.2.13 Enclosure doors and covers	24
5.2.14 Tests for outdoor and car wash equipment	24
5.3 Protection against corrosion	24
5.3.1 Iron and steel parts	24
5.3.2 Protection of surfaces	25
5.4 Mechanical assembly	25
5.4.1 Security from vibration	25
5.4.2 Fastening	25
5.4.3 Connections to live metal parts	25
5.4.4 Splices and connections	25
5.4.5 Brush caps	25
5.5 Supply connections	25
5.5.1 Permanently connected appliances	25
5.5.2 Cord-connected appliances and power-supply cords	26

5.6	Strain relief, flexing, and cord set retention	27
5.6.1	Strain relief	27
5.6.2	Flat cords	27
5.6.3	Permanently attached cords	27
5.6.4	Hand-held appliances	28
5.7	Terminal parts	28
5.7.1	General	28
5.7.2	Terminal parts of hand-held appliances	28
5.7.3	Leads	28
5.7.4	Rigid wiring terminals	28
5.8	Wiring	28
5.8.1	Internal wiring	28
5.8.2	Raceways	28
5.8.3	Holes	28
5.8.4	Insulation	28
5.8.5	Magnet wire	29
5.8.6	Internal wire types	29
5.8.7	Ampacity	29
5.8.8	Connections	29
5.8.9	Removal of covers	29
5.9	Electrical insulation	29
5.9.1	General	29
5.9.2	Arcing	29
5.9.3	Arcing or sparking parts of equipment used in a garage	29
5.10	Motors	30
5.10.1	General	30
5.10.2	Overheating protection	30
5.10.3	Motor-operated pumping units for painting equipment	30
5.10.4	Automatic-reset protective devices	30
5.10.5	Optional thermal protectors	30
5.10.6	Barbecue motors	30
5.11	Switches and controls	30
5.11.1	General	30
5.11.2	Voltage, current, and horsepower ratings	31
5.11.3	Safety interlock switches, mechanisms, and controls	31
5.11.4	Manually operated control devices	31
5.11.5	Cord-connected equipment	31
5.11.6	Painting equipment	31
5.12	Supplextors	31
5.12.1	General	31
5.12.2	Connection	31
5.13	Lampholders	31
5.13.1	General	31
5.13.2	Extra-low-voltage lamps	31
5.13.3	Mounting	31
5.13.4	Current and voltage ratings	32
5.13.5	Construction	32
5.13.6	Screw-shells	32
5.13.7	Shades	32

5.14	Protective devices and fuseholders	32
5.14.1	Construction	32
5.14.2	Polarization of overcurrent protective device	32
5.14.3	Ungrounded or double-insulated equipment	32
5.15	Transformers	32
5.16	Spacings	32
5.16.1	General	32
5.16.2	Spacings within electrical components	33
5.16.3	Use of insulating barriers	33
5.16.4	Magnet wire	33
5.17	Special safety features	33
5.17.1	General	33
5.17.2	Loosening of parts	33
5.17.3	Cutting mechanisms	33
5.18	Bonding and grounding	33
5.18.1	General	33
5.18.2	Exceptions	33
5.19	Pressure vessels and parts subject to pressure	34
5.19.1	Exceptions	34
5.19.2	Hydrostatic strength test	34
5.19.3	Construction	34
5.19.4	Drain holes	34
5.19.5	Pressure release	35
5.19.6	Shut-off valves	35
5.19.7	Protection by pressure-relief devices	35
5.19.8	Pressure setting of pressure-relief valves	35
5.19.9	Pressure-relief devices	35
5.19.10	Setting of pressure-regulating devices	35
5.19.11	Electric pressure-regulating devices	35
5.19.12	Pneumatic pilot valves	35
5.19.13	Pressure gauges	36
5.19.14	Air compressors	36
5.19.15	Start-to-discharge pressure	36
5.20	Sprayers, high-pressure airless sprayers, and high-pressure washers/cleaners	36
5.20.1	Sprayers	36
5.20.2	High-pressure airless sprayers	36
5.20.3	High-pressure washers/cleaners	37
5.20.4	Flash point of fluid used with sprayers	37
5.21	Painting equipment with a roller-type applicator	37
5.22	Printed circuit boards	37
5.22.1	General	37
5.22.2	Class 2 circuits	37
5.22.3	Spacing between conductors and components	37
5.22.4	Internal spacings	37
5.22.5	Component failure	38
5.23	Motorized chairs, beds, and exercise appliances	38
5.23.1	Entrapment prevention	38
5.23.2	Protective enclosures and baffles	38
5.23.3	Child-safe controls	38

- 5.23.4 Motion controls 38
- 5.23.5 Power failure 38
- 5.23.6 Hand-held control box interconnecting cable 39
- 5.23.7 Testing 39
- 5.24 Rechargeable battery-operated pedestrian controlled material moving or transporting appliances 39

## 6 Tests 39

- 6.1 General 39
  - 6.1.1 Sequence of tests 39
  - 6.1.2 Test voltage 40
  - 6.1.3 Rated frequency 40
  - 6.1.4 Duty cycle 40
- 6.2 Maximum normal load 40
  - 6.2.1 General 40
  - 6.2.2 Vibrators and massage machines 40
  - 6.2.3 Air compressors 41
  - 6.2.4 Household trash compactors 41
  - 6.2.5 Paint sprayers 41
  - 6.2.6 Painting equipment with roller-type applicators 41
  - 6.2.7 Motor-operated hoists 41
  - 6.2.8 Motor-operated treadmills 42
  - 6.2.9 Golf putting cups 42
  - 6.2.10 Household electrically operated chairs, beds, and exercise appliances 42
  - 6.2.11 Barbecue motors 42
  - 6.2.12 Brake lathes 42
- 6.3 Starting 43
  - 6.3.1 General 43
  - 6.3.2 Compliance testing 43
- 6.4 Rating 43
- 6.5 Temperature (normal) 43
  - 6.5.1 Maximum temperature 43
  - 6.5.2 Testing at overvoltage and undervoltage 43
  - 6.5.3 Frequency 44
  - 6.5.4 Limiting temperature of insulating materials 44
  - 6.5.5 Temperature test 44
  - 6.5.6 Temperature measurement 44
  - 6.5.7 Equipment not continuously operated 44
- 6.6 Dielectric strength 44
  - 6.6.1 Criteria 44
  - 6.6.2 Testing transformer 44
  - 6.6.3 Switches and controls 44
- 6.7 Temperature (abnormal) 45
  - 6.7.1 General 45
  - 6.7.2 Determining hazards 45
  - 6.7.3 Test conditions for hazards 45
  - 6.7.4 Additional abnormal test 45
  - 6.7.5 Short-circuiting of components and conductors 45
  - 6.7.6 Hand-held appliances 46

6.7.7	Testing of foot control	46
6.7.8	Thermal protection	46
6.7.9	Motor-operated pumping units	46
6.7.10	Criteria	46
6.8	Overload and endurance (switches and controls)	47
6.8.1	Overload	47
6.8.2	Endurance	47
6.9	Leakage current	47
6.9.1	Single-phase cord-connected appliances	47
6.9.2	Leakage current for grounded stationary treadmills containing EMC filter	47
6.9.3	Meter	48
6.9.4	Frequency	48
6.9.5	Applied voltage	48
6.9.6	Test circuit	48
6.9.7	Test conditions	48
6.9.8	Position of switches	48
6.9.9	Bonding conductors	48
6.9.10	Appliances with enclosures of insulating material	48
6.9.11	Overfill and tip over	48
6.10	Stability	49
6.11	Physical abuse	49
6.11.1	Impact	49
6.11.2	Drop	49
6.11.3	Shock hazard	49
6.11.4	Static load	49
6.12	Strain relief, flexing, and cord set retention	50
6.12.1	Strain relief	50
6.12.2	Flexing	50
6.12.3	Cord set retention	50
6.13	Speed control — Limited short-circuit	51
6.13.1	Testing for fire hazard	51
6.13.2	Controls to be tested	51
6.13.3	Enclosure	51
6.13.4	Testing of samples	51
6.13.5	Ignition	51
6.14	Backflow	51
6.15	Flaming oil — Perforated metal panels or wire screens	51
6.15.1	Application of test	51
6.15.2	Apparatus	51
6.15.3	Location	52
6.15.4	Ignition of oil	52
6.15.5	Contact of oil with cheesecloth	52
6.15.6	Criteria	52
6.16	Hydrostatic strength — Pressure vessel and system parts	52
6.16.1	Requirements	52
6.16.2	Test procedure	52
6.16.3	Performance under rated load	52
6.16.4	Pneumatic pilot valve	53
6.17	High-current arc ignition	53

6.18	Moisture-absorption resistance of insulation	53
6.19	Standard flame	53
6.19.1	Appliances unattended in normal use	53
6.19.2	Appliances attended in normal use	53
6.19.3	Other appliances	53
6.20	Motorized chairs, beds, and exercise appliances	53
6.20.1	Rating	53
6.20.2	Normal load and operating cycle	53
6.20.3	Entrapment	54
6.20.4	Bed or chair deflection test	54
6.20.5	Motion control	55
6.20.6	Power failure	55
6.20.7	Bed or chair temperature (abnormal) test	55
6.20.8	Longitudinal abrasion	55
6.20.9	Conditioning	55
6.21	Oven conditioning (nonmetallic enclosures)	56
<b>7</b>	<b>Marking</b>	<b>56</b>
7.1	General	56
7.2	Compliance	56
7.3	Equipment for intermittent use	56
7.4	Separately supplied components	57
7.5	Single-motor equipment	57
7.6	Voltage	57
7.7	Electric beds	57
7.8	Cleaning instructions	57
7.9	Equipment for garage use	57
7.10	Receptacles	57
7.11	Non-time-delay equipment	57
7.12	Fuse ratings	58
7.13	Supply conductor temperatures	58
7.14	Brackets	58
7.15	Combustible fluids	58
7.16	Sprayers	58
7.16.1	General	58
7.16.2	High-pressure airless sprayers	58
7.16.3	High-pressure washers/cleaners	59
7.16.4	GFCI marking	59
7.17	Painting equipment	59
7.18	Commercial appliances for permanent connection	59
7.19	Motorized chairs, beds, and exercise appliances	59
7.20	Connections to potable water	59
7.21	Air compressors	59
7.22	Rechargeable battery-operated pedestrian controlled motorized hand pallet trucks	60
<b>8</b>	<b>Cord-connected double-insulated appliances</b>	<b>60</b>
8.1	Application	60
8.2	General requirements	60
8.2.1	Grounding	60

8.2.2	Construction	61
8.2.3	Enclosure material	61
8.2.4	Supplementary insulation	61
8.2.5	Enclosure as supplementary or reinforced insulation	61
8.2.6	Basic insulation	61
8.2.7	Capacitors	61
8.2.8	Loss of insulation	61
8.3	Construction	61
8.3.1	General	61
8.3.2	Openings and recesses	62
8.3.3	Mechanical assembly	62
8.3.4	Supply connections	63
8.3.5	Spacings	63
8.4	Marking	64
8.5	Tests	64
8.5.1	Dielectric strength	64
8.5.2	Leakage current	64
8.5.3	Insulation test	65

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Annex A (normative)	— Requirements for rechargeable battery motor-operated appliances	81
Annex B (normative)	— French translations of markings	85

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# Preface

This is the eighth edition of CSA C22.2 No. 68, *Motor-operated appliances (household and commercial)*, one of a series of Standards issued by CSA Group under Part II of the *Canadian Electrical Code*. It supersedes the previous editions, published in 2009, 1992, 1989, 1981, 1976, 1962, and 1942.

This edition updates the 2009 edition of CSA C22.2 No. 68. The major differences include the removal of the requirements for shaving appliances, hair clippers, animal shearers, appliances used for manicure, appliances for hair dressers and similar appliances, food waste disposers and sewing machines, and the addition of requirements for tool cabinets, material moving and transporting devices, and rechargeable battery-operated appliances.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the Subcommittee on Electrical Motor and Battery-Operated Cleaning Appliances for Industrial and Commercial Use, under the jurisdiction of the Technical Committee on Consumer and Commercial Products and the Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the Technical Committee.

**Interpretations:** The Strategic Steering Committee on Requirements for Electrical Safety has provided the following direction for the interpretation of standards under its jurisdiction: “The literal text shall be used in judging compliance of products with the safety requirements of this Standard. When the literal text cannot be applied to the product, such as for new materials or construction, and when a relevant CSA committee interpretation has not already been published, CSA Group’s procedures for interpretation shall be followed to determine the intended safety principle.”

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    - b) *relevant clause, table, and/or figure number;*
    - c) *wording of the proposed change; and*
    - d) *rationale for the change.*

# C22.2 No. 68-18

## ***Motor-operated appliances (household and commercial)***

### **1 Scope**

#### **1.1**

This Standard applies to motor-operated appliances\* intended for use with nominal system voltages of 600 V and less, except that where appliances are driven by universal-type motors or electromagnetic mechanisms, the scope is limited to appliances rated for use on nominal system voltages of 240 V or less. This Standard applies to appliances designed to be used in accordance with CSA C22.1, *Canadian Electrical Code, Part I*.

\* For convenience, the term “appliance” or “equipment” is used in this Standard.

#### **1.2**

This Standard applies to permanently connected, cord-connected, and rechargeable battery-operated appliances for household and commercial use in non-hazardous locations.

**Note:** *The products covered by this Standard include massage appliances, automotive servicing equipment, air compressors, car wash equipment, chairs, beds, exercise appliances, paint sprayers, paint rollers, parts cleaners, household trash compactors, barbecue motors, hand-held engravers, material moving and transporting devices (i.e., hand pallet trucks, electric wheelbarrows), and similar equipment.*

#### **1.3**

This Standard applies to sprayers intended for extensive open spraying of cleaning fluids, paint, insecticides, and similar liquids having a flashpoint higher than 60 °C, but excluding electrostatic sprayers and sprayers for use in spray booths or in other areas where hazardous concentrations of flammable vapours are likely to be present.

#### **1.4**

Automotive equipment covered by this Standard, such as wheel aligners, engine timing lights, and analyzers, tools cabinets, might or might not have motors.

#### **1.5**

Requirements for cord-connected double-insulated appliances are specified in Clause 8.

#### **1.6**

Requirements for rechargeable battery-operated appliances are specified in Annex A.

#### **1.7**

This Standard does not include requirements for equipment covered by a specific Standard under the *Canadian Electrical Code, Part II* (e.g., drafting tables, pencil sharpeners).