



DRAFT TANZANIA STANDARD

(Draft for comments only)

Household and similar electrical appliances – safety – part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use

TANZANIA BUREAU OF STANDARDS



1 National Foreword

This draft Tanzania Standard has been prepared by the TBS Electrical Equipment Technical Committee, under the supervision of the Electrotechnical Divisional Standards Committee (EDC)

This draft Tanzania Standard is identical to International Standard **IEC 60335-2-69:2021** *Household and similar electrical appliances – safety – part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use*, which has been prepared by the International Electrotechnical Commission.

2 Terminology and conventions

Some terminologies and certain conventions are not identical with those used in Tanzania standards; attention is drawn especially to the following: -

- 1) The comma has been used as a decimal marker for metric dimensions. In Tanzania Standards, it is current practice to use “full point” on the baseline as the decimal marker.
- 2) Where the words “International Standard(s)” appear, referring to this standard they should read “Tanzania Standard(s)”



HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES –

SAFETY –Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use

1 Scope

This clause of Part 1 is replaced by the following.

This part of IEC 60335 deals with the safety of electrical motor-operated vacuum cleaners, including back-pack vacuum cleaners, and dust extractors, for wet suction, dry suction, or wet and dry suction, intended for commercial indoor or outdoor use with or without attachments. These machines may be provided with a blowing or inflating function. The inner diameter of the dust container connector to the suction hose shall not exceed 200 mm. It also deals with the safety of centrally-sited vacuum cleaners, excluding the installation of the system.

NOTE 101 Attention is drawn to the fact that additional requirements on the safe installation of centrally-sited

vacuum cleaners are not addressed by this standard but need to be taken into account.

NOTE 102 This standard applies to machines for commercial use. The following list, although not

comprehensive, gives an indication of locations that are included in the scope:

- public use areas such as hotels, schools, hospitals;
- industrial locations, for example factories and manufacturing shops;
- retail outlets, for example shops and supermarkets;
- business premises, for example offices and banks;
- all uses other than normal housekeeping purposes.

These machines are not equipped with a traction drive. The following power systems are covered:

- mains powered motors up to a rated voltage of 250 V for single-phase appliances and 480 V for other appliances,
- battery-operated motors.



NOTE 103 Machines for the same intended function but equipped with a traction drive are covered by IEC 60335-2-72.

This standard also applies to machines handling hazardous dust, such as asbestos, and combustible dust in other than an explosive dust atmosphere.

NOTE 104 Additional requirements for machines handling hazardous dust are given in normative Annex AA.

Attention is drawn to the fact that in many countries additional requirements on hazardous substances might apply.

NOTE 105 Radioactive substances are not covered by definition of hazardous dust for the purposes of this standard.

This standard does not apply to

- vacuum cleaners and water-suction cleaning appliances for household use (IEC 60335-2-2);
- floor treatment machines for commercial use (IEC 60335-2-67, IEC 60335-2-72);
- spray extraction machines for commercial use (IEC 60335-2-68);

NOTE 106 IEC 60335-2-67 and IEC 60335-2-68 cover only machines without traction drive.

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- hand-held mains-operated electrical garden blowers, vacuums and blower vacuums (IEC 60335-2-100);
- hand-held and transportable motor-operated electric tools (IEC 60745 series, IEC 61029 series, IEC 62841 series);
- appliances for medical purposes (IEC 60601-1);
- machines designed for use in corrosive environments;
- machines designed for picking up liquids with a flash point below 55 °C;
- machines designed for use in explosive environments (dust, vapour or gas), except those designed for use in zone 22;
- machines intended to vacuum ash from fireplaces, chimneys, ovens, ashtrays and similar



places of ash accumulation.

NOTE 107 The flash point temperature limit can vary in different countries. National regulations will need to be

taken into account.

NOTE 108 Requirements for vacuum cleaners and dust extractors providing equipment protection level Dc are

given in IEC 62784.

NOTE 109 Attention is drawn to the fact that in many countries additional requirements on the safe use of the

equipment covered can be specified by the national health authorities, the national authorities responsible for the

protection of labour, the national water supply authorities and similar authorities.

2 Normative references

This clause of Part 1 is applicable except as follows.

Addition:

IEC 60079-32-2:2015, Explosive atmospheres – Part 32-2: Electrostatics hazards – Tests

IEC TS 62885-1, Surface cleaning appliances – Part 1: General requirements on test material and test equipment

IEC 60335-2-41:2012 Household and similar electrical appliances – Safety – Part 2-41:

Particular requirements for pumps

IEC 61540, Electrical accessories – Portable residual current devices without integral overcurrent protection for household and similar use (PRCDs)

ISO 2602, Statistical interpretation of test results – Estimation of the mean – Confidence interval

ISO 6344-2, Coated abrasives – Grain size analysis – Part 2: Determination of grain size distribution of macrogrits P12 to P220

ISO 7731, Ergonomics – Danger signals for public and work areas – Auditory danger signals

ISO 13849-1:2015, Safety of machinery – Safety-related parts of control systems – Part 1:

General principles for design