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Aerospace series - ECO efficiency of catering equipment - Part 03: Chilling equipment

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

**Aerospace series - ECO efficiency of catering equipment -
Part 03: Chilling equipment**Série aérospatiale - Éco efficacité du matériel de
restauration - Partie 03 : Matériel réfrigérantLuft- und Raumfahrt - ECO-Effizienz von
Cateringgeräten - Teil 03: Kühlgeräte

This European Standard was approved by CEN on 12 August 2019.

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European foreword

This document (EN 4855-03:2020) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2020, and conflicting national standards shall be withdrawn at the latest by August 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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EN 4855-03:2020 (E)**Introduction**

During aircraft operations the food storage in the cabin is mandatory to maintain the catering on board. There exist different equipment types to cool, freeze or chill any foods or drinks. To meet the target to determine an energy efficiency index for galley chilling equipment (freezer, refrigerators and beverage chillers) the purpose of this document is to standardize the test procedure and efficiency calculations for this equipment.

1 Scope

This European standard describes a test procedure to identify performance characteristics and a weight rating of a galley chilling equipment used on aircraft. Furthermore it describes the calculation procedure to determine an energy consumption index and a performance index. Only galley chilling equipment with a freeze function will be considered. The effect of the chilling equipment on food quality is not addressed in this standard.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 4855-01, *Aerospace series — ECO efficiency of catering equipment — Part 1: General conditions*¹

EN 62552, *Household refrigerating appliances — Characteristics and test methods*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN