



**SLOVENSKI STANDARD**  
**oSIST prEN 4855-02:2025**  
**01-januar-2025**

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**Aeronavtika - Ekološka učinkovitost gostinske opreme - 2. del: Oprema za pečico**

Aerospace series - ECO efficiency of catering equipment - Part 02: Oven equipment

Luft- und Raumfahrt - ECO-Effizienz von Cateringgeräten - Teil 02: Öfen

Série aérospatiale - Écoefficacité du matériel de restauration - Partie 02 : Fours

**Ta slovenski standard je istoveten z: prEN 4855-02**

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**ICS:**

49.095	Oprema za potnike in oprema kabin	Passenger and cabin equipment
97.040.20	Štedilniki, delovni pulti, pečice in podobni aparati	Cooking ranges, working tables, ovens and similar appliances

**oSIST prEN 4855-02:2025**

**en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 4855-02**

November 2024

ICS 49.020; 67.250

Will supersede EN 4855-02:2020

English Version

## Aerospace series - ECO efficiency of catering equipment - Part 02: Oven equipment

Série aérospatiale - Écoefficacité du matériel de  
restauration - Partie 02 : Fours

Luft- und Raumfahrt - ECO-Effizienz von  
Cateringgeräten - Teil 02: Öfen

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee ASD-STAN.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (prEN 4855-02:2024) has been prepared by ASD-STAN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 4855-02:2020.

This document includes the following significant technical changes with respect to EN 4855-02:2020:

- update of formula for kerosene consumption based on updated prEN 4855-01;
- update of reference value  $m_{K,ref}$ .

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## **Introduction**

During aircraft operations, the food preparation in the cabin is mandatory to maintain the catering on board. There exist different equipment types to heat up the prepared meals for the passengers in the cabin. On the one hand meals can be heated by usage of steam (steam ovens); on the other hand it can be heated by usage of hot and dry air (convection oven). To meet the target to determine an energy efficiency index for aircraft oven equipment, the purpose of this document is to standardize the test procedure and efficiency calculations for this equipment type.

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