

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) 2015/1095. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

ANNEX III

Method for calculating the energy efficiency index for professional refrigerated storage cabinets

For the calculation of the energy efficiency index (EEI) of a professional refrigerated storage cabinet model, the annual energy consumption of the cabinet is compared to its standard annual energy consumption.

The EEI is calculated as:

$$EEI = (AEC/SAEC) \times 100$$

Where:

$$AEC = E_{24h} \times af \times 365$$

AEC = annual energy consumption of the cabinet in kWh/year
E_{24h} = energy consumption of the cabinet over 24 hours
af = *adjustment factor* to be applied only for light-duty cabinets, according to Annex IV, point 2(b)

$$SAEC = M \times V_n + N$$

SAEC = standard annual energy consumption of the cabinet in kWh/year
V_n = net volume of the appliance, which is the sum of net volumes of all compartments of the cabinet, expressed in litres.

M and N are given in the Table 2.

TABLE 2

M and N coefficient values

Category	Value for M	Value for N
Vertical Chilled	1,643	609
Vertical Frozen	4,928	1 472
Counter Chilled	2,555	1 790
Counter Frozen	5,840	2 380

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Changes and effects yet to be applied to the whole legislation item and associated provisions

- Signature words omitted by [S.I. 2019/539 Sch. 2 para. 24\(6\)](#)
- Annex 10(2)(a) words substituted by [S.I. 2019/539 Sch. 2 para. 24\(12\)\(c\)\(i\)](#)
- Annex 10(2)(a) words substituted by [S.I. 2019/539 Sch. 2 para. 24\(12\)\(c\)\(ii\)](#)
- Annex 10(7) omitted by [S.I. 2019/539 Sch. 2 para. 24\(12\)\(d\)](#)
- Annex 8 para. 1 words substituted by [S.I. 2019/539 Sch. 2 para. 24\(10\)](#)
- Annex 2 para. 2(d)(iii) words inserted by [S.I. 2019/539 Sch. 2 para. 24\(7\)](#)
- Annex 2 para. 2(d)(iii) words substituted in earlier amending provision [S.I. 2019/539, Sch. 2 para. 24\(7\)](#) by [S.I. 2020/1528 reg. 4](#)
- Annex 4 para. 1 words substituted by [S.I. 2019/539 Sch. 2 para. 24\(8\)](#)
- Annex 9(2)(a) words substituted by [S.I. 2019/539 Sch. 2 para. 24\(11\)\(c\)\(i\)](#)
- Annex 9(2)(a) words substituted by [S.I. 2019/539 Sch. 2 para. 24\(11\)\(c\)\(ii\)](#)
- Annex 9(7) omitted by [S.I. 2019/539 Sch. 2 para. 24\(11\)\(d\)](#)
- Annex 6 para. 1 words substituted by [S.I. 2019/539 Sch. 2 para. 24\(9\)](#)
- Annex 11(2)(a) words substituted by [S.I. 2019/539 Sch. 2 para. 24\(13\)\(c\)\(i\)](#)
- Annex 11(2)(a) words substituted by [S.I. 2019/539 Sch. 2 para. 24\(13\)\(c\)\(ii\)](#)
- Annex 11(7) omitted by [S.I. 2019/539 Sch. 2 para. 24\(13\)\(d\)](#)