

~~Date: 2023-07~~

ISO 11855-3:2021/~~DAMP~~**PRF Amd 1:2022(E)**

ISO/TC 205/~~AWG 3~~

Secretariat: ANSI

~~Date: 2023-08-29~~

Building environment design — Embedded radiant heating and cooling systems —

Part 3: Design and dimensioning

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AMENDMENT 1

Conception de l'environnement des bâtiments — Systèmes intégrés de chauffage et de refroidissement par rayonnement ~~intégrés~~

Partie 3: Conception et dimensionnement

~~DRAFT AMENDMENT-AMENDEMENT 1~~

FDIS stage

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1(E)

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This document was prepared by Technical Committee ISO/TC 205, *Building environment design*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 228, *Heating systems in buildings*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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Field Code Changed

Building environment design — Embedded radiant heating and cooling systems —

Part 3: Design and dimensioning

Normative references

Delete the publication date from the following entries:

~~ISO 11855-2, Building environment design — Embedded radiant heating and cooling systems — Part 2: Determination of the design heating and cooling capacity~~

~~ISO 11855-5, Building environment design — Embedded radiant heating and cooling systems — Part 5: Installation~~

AMENDMENT 1

5.1.4

Modify to the following:

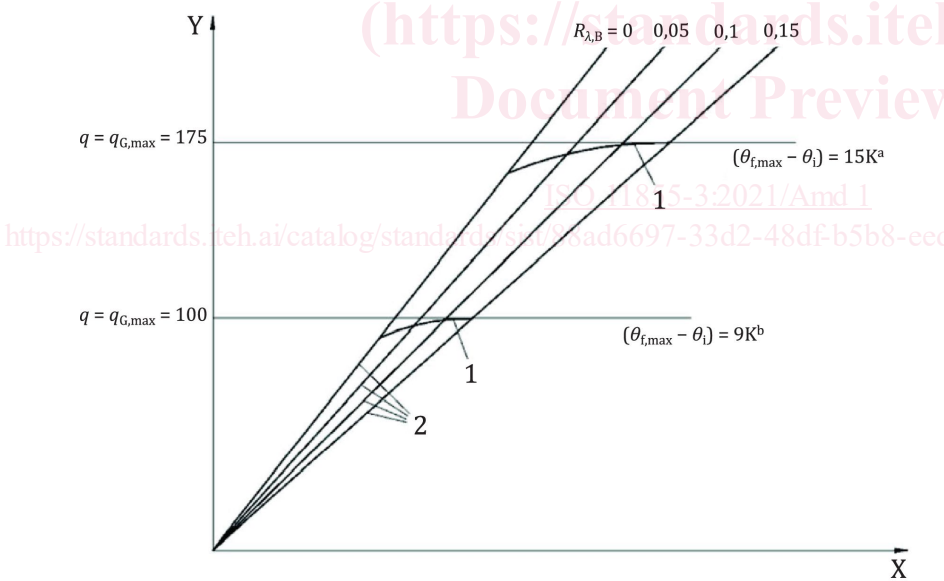
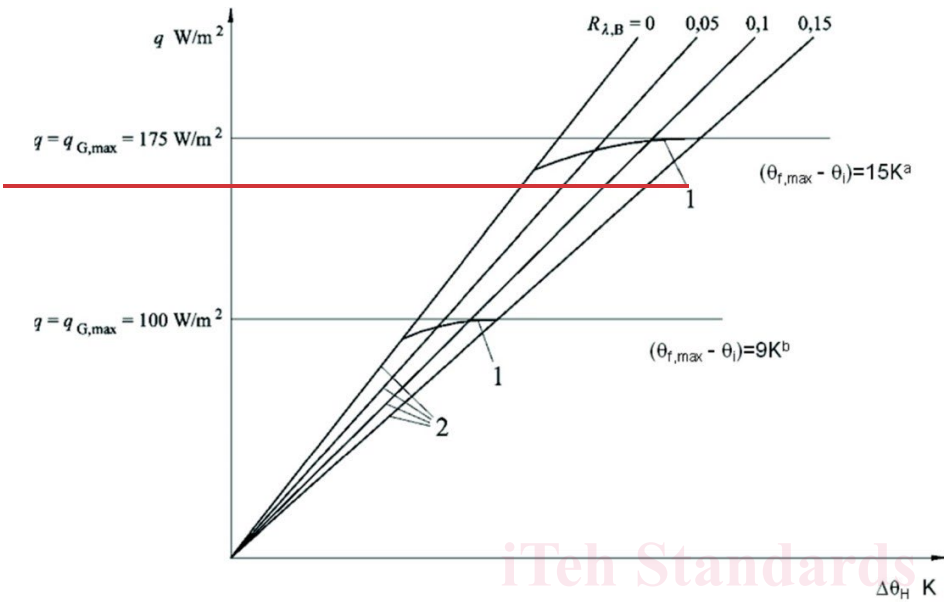
The field of characteristic curves of a floor heating system with a specific pipe spacing W shall at least contain the characteristic curves for values of the thermal resistance of surface covering $R_{\lambda,B} = 0$, $R_{\lambda,B} = 0,05$, $R_{\lambda,B} = 0,10$ and $R_{\lambda,B} = 0,15$ ($\text{m}^2\text{K}/\text{W}$), in accordance with ISO 11855-2 (see Figure 1). In order to apply values of $R_{\lambda,B} > 0,15$ ($\text{m}^2\text{K}/\text{W}$), it is possible only when the values are verified.

5.1.5 Figure 1

Modify to the following:

[ISO 11855-3:2021/Amd 1](https://standards.iteh.ai/catalog/standards/sist/88ad6697-33d2-48df-b5b8-eedab0f87c76/iso-11855-3-2021-amd-1)

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Key
 X $\Delta\theta_H$ K
 Y q W/m²
 1 limit curves

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