

Certificate

For the

radiation heating panel DIRECTTECH D 1000S 130°C

device no. A009614 00061-2012

net power at 230 V: 1000 W

size: 1,198 m x 0,598 m

manufactured by **DIRECTTECH Global® GmbH**

is certificated, that the measurement of the radiation efficiency ^{*)} was done at 12 February 2013 under the following conditions:

positioning:	horizontal positioning (overhead)
room temperature:	19 °C

Major measuring results:

power consumption	
when temperature is in balance:	1038 W
max surface temperature:	143 °C (assumed emissivity 90%)
IR-radiation power (front):	705 W

Result of the evaluation:

Radiation efficiency: (67.9 ± 3.2) %

Estimation: The evaluated radiation efficiency regarding the chosen measuring conditions and surface temperature is high-ranking and stands in the range of the assumed maximum value (about 70 %).

^{*)} In preparation of a technical standard (e.g. German standard DIN) aimed to evaluate the quality of radiation heating panels this measurement procedure was developed and verified on behalf of the BVIR-Verband Infrarot-Heizung e.V. in July 2012.

Jena, 20 February 2013



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