



Frost Free compensation factor: differences between the label systems in China, US and EU

country	product category	EEC		static [Wh/d]	NF [Wh/d]	delta	ambient temperature energy consumption test
Europe	7	A+++	stand alone	444	465	-4,7%	25°C
Europe	7	A+++	BI	495	520	-5,1%	25°C
China 2016	7	1	stand alone	452	585	-29,4%	23,6°C
China 2016	7	1	BI	505	665	-31,7%	23,6°C
China today	7	1	stand alone	726	895	-23,3%	25°C
US	1A/3A	DOE	stand alone	598	623	-4,2%	32°C

China:

In the upcoming label system the FF compensation factor will be significantly increased compared to the current valid label system (factor 1,6 instead of 1,2) and this factor is also valid for a FF fridge compartment; this leads to a compensation of round about 30% for a mid size fridge freezer combination

US:

there is only one product category (single door refrigerator) which distinguishes between static and NF cooling circuit; US is a typical NF market but for this product category the FF compensation is on the same level as in Europe today



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