

### 3.2 Availability of energy (electrical) appliances in dwellings

It is possible to divide energy appliances in households into two groups. These are on the one hand electrical appliances providing in addition to heating, preparation of HDW and cooking practically all other household needs (so-called incommutable electricity consumption), on the other hand appliances for other fuels and energy types, serving for heating, HDW preparation and cooking provision.

Topic of the presentation and assessment of the first group is availability (respectively in our case only ascertainment of their existence) of electrical appliances in dwellings covering energy needs of households. Here is included, besides electrical appliances for areas of cooking, HDW preparation and heating, especially group of so-called "white ware". It concerns, for example, fridges, freezers, washing machines, dish washers and dryers. Finally, the third group of electrical appliances includes remaining, to which belong to especially lighting, TV sets, audio/video technique, air-conditioners, computers and other household electrical appliances. Summary information on availability of these electrical appliances in dwellings including their average age, namely for urban /rural locality and for the Czech Republic in % gives table 3.2.1

#### Availability of electrical appliances (%) and their age (years)

Table 3.2.1

Appliance	Locality				Total in all dwellings	
	Urbanměstská		Rural		Availability %	Average age
	Availability %	Average age	Availability %	Average age		
Electrical radiator	8,0	x	16,4	x	9,9	x
Fridge	99,4	9,1	99,3	9,9	99,2	9,5
Freezer	67,1	7,9	80,0	9,0	70,0	8,5
electrical kitchen range	31,7	9,8	49,8	10,0	35,9	9,9
Cooker	4,6	11,2	7,1	12,7	5,1	11,9
Microwave oven	70,8	4,8	74,0	4,9	71,6	4,9
Dish washer	13,9	3,5	10,7	3,4	13,2	3,5
Washing machine - automatic	89,3	7,7	86,0	7,4	88,4	7,5
Washing machine - non - automatic	8,7	17,7	17,8	17,3	10,9	17,5
Drier	2,1	5,0	1,1	5,0	1,9	5,0
Boiler, flow heater	24,8	9,3	67,4	10,4	34,8	9,9
Colour TV set	97,6	7,1	97,0	7,4	97,3	7,3
BW TV set	2,8	16,7	3,6	18,3	3,0	17,5
Air conditioning	0,3	3,8	0,2	4,3	0,3	4,1
Computer	35,9	3,7	29,9	3,7	34,4	3,7

Besides standard electrical appliances it is possible determine in addition to that a group of so-called "above standard electrical appliances" to which belong to dish washer, dryer, air-conditioning and computer. Availability of these appliances in dwellings is demonstrably highest in Prague; availability of such appliances in dwellings in other regions

is on lower level, as is evident [from tables 9 to 27 in Annex No. 1](#), where there are stated detailed results of availability of electrical appliances in division by regions of the Czech Republic.

Data prove that availability of standard appliances in dwellings almost do not differ in individual regions. It is possible to find out certain difference in availability of such appliances in dwellings located in urban and rural localities. In the group of standard appliances there is concerned freezer where its availability is significantly higher in rural dwellings. As for availability of other standard appliances, there are not significant differences between regions. Morally obsolete appliances then comprise separate group, i.e. monitored black and white TV sets and non-automatic washing machines whose age is demonstrably higher.

Availability of other fuels burning appliances in dwellings is as a sample given in [tables 3.2.2 to 3.2.4](#), namely natural gas, lignite/brown coal and fuel wood burning appliances, because this fuels are in the Czech Republic used besides electricity most often. Availability of these appliances for heating, cooking and HDW preparation in division according to localities and regions is presented in more detail in [tables from 4 to 7 in Annex No. II](#).

### Availability of natural gas burning appliances in dwellings

**Table 3.2.2**

Natural Gas Appliance	Locality				TOTAL	
	Urban		Rural		No. of dwellings	%
	No. of dwellings	Share of locality %	No. of dwellings	Share of locality %		
CH boiler	4 551	14,9	2 167	23,1	6 718	16,8
HW boiler	4 168	13,6	881	9,4	5 049	12,6
CH and HW boiler	3 963	13,0	1 468	15,6	5 431	13,6
Individual heaters	2 313	7,6	290	3,1	2 603	6,5
Cooker	19 697	64,5	2 955	31,5	22 662	56,7

### Availability of lignite/brown coal burning appliances in dwellings

**Table 3.2.3**

Brown Coal/ Lignite Appliance	Locality				TOTAL	
	Urban		Rural		No. of dwellings	%
	No. of dwellings	Share of locality %	No. of dwellings	Share of locality %		
CH boiler	984	3,2	1 938	20,6	2 922	7,3
HW boiler	89	0,3	124	1,3	213	0,5
CH and HW boiler	236	0,8	612	6,5	848	2,1
Individual heaters	356	1,2	577	6,1	933	2,3
Cooker	114	0,4	225	2,4	349	0,9

### Availability of fuel wood burning appliances in dwellings

Table 3.2.4

Fuel Wood Appliance	Locality				TOTAL	
	Urban		Rural		No. of dwellings	%
	No. of dwellings	Share of locality %	No. of dwellings	Share of locality %		
CH boiler	849	2,8	1 991	21,2	2 840	7,1
HW boiler	75	0,2	141	1,5	216	0,5
CH and HW boiler	339	1,1	826	8,8	1 165	2,9
Individual heaters	492	1,6	770	8,2	1 262	3,2
Cooker	194	0,6	561	6,0	755	1,9
Open fire	345	1,1	324	3,5	669	1,7