

**List of main indexes of TГM-96Б boiler No.1 functioning at
SA “Termoelectrica”, Chisinau, Republic of Moldova**

No.	Parameter	Dimension	Data	
			Until repair Feb.04, 2014	After repair with the installation of CMKA® heat exchange elements into RAH Nov.27, 2014
1.	Type of RAH		PBI-68	
2.	Steam capacity	tons/hour	320	320
3.	Type of fuel		gas	gas
	Fuel consumption	m ³ /s	7.0	6.86
	Calorie content of fuel	kcal/ m ³	8119	8196
4.	Air leakage into furnace	%	18.7	17.4
	Coefficient of excess air at furnace outlet		1.26	1.26
	Coefficient of excess air before RAH		1.36	1.34
	Coefficient of excess air behind RAH		1.94	1.52
5.	Gas temperature at RAH inlet	°C	290	290
	Air temperature at RAH inlet	°C	5	5
	Gas temperature at RAH outlet	°C	108	108
	Air temperature at RAH outlet	°C	215	240
6.	RAH resistance by gas	mm of water column	70	23
	RAH resistance by air	mm of water column	64	21
7.	Flue gas temperature	°C	105	105
	Heat loss with flue gases	%	7.76	6.28
	Boiler gross efficiency	%	91.68	93.16

**List of main indexes of TГM-96Б boiler No.2 functioning at
SA “Termoelectrica”, Chisinau, Republic of Moldova**

No.	Parameter	Dimension	Data	
			Until repair Feb.20, 2015	After repair with the installation of CMKA® heat exchange elements into RAH Dec.31, 2015
1.	Type of RAH		PBI-68	
2.	Steam capacity	tons/hour	340	340
3.	Type of fuel		gas	gas
	Fuel consumption	m ³ /s	7.39	7.28
	Calorie content of fuel	kcal/ m ³	8179	8180
4.	Air leakage into furnace	%	10.6	10
	Coefficient of excess air at furnace outlet		1.18	1.17
	Coefficient of excess air before RAH		1.36	1.34
	Coefficient of excess air behind RAH		1.76	1.40
5.	Gas temperature at RAH inlet	°C	285	285
	Air temperature at RAH inlet	°C	10	10
	Gas temperature at RAH outlet	°C	112	110
	Air temperature at RAH outlet	°C	220	250
6.	RAH resistance by gas	mm of water column	46	18
	RAH resistance by air	mm of water column	42	16
7.	Flue gas temperature	°C	110	108
	Heat loss with flue gases	%	7.34	5.93
	Boiler gross efficiency	%	92.12	93.53