

**List of main indexes of boiler functioning at Naberezhnye Chelny power plant
(TFM-84B boiler No.2)**

No	Parameter	Dimension	Data	
			Before repair April 01, 2013	After repair with the installation of CMKA® heat exchange elements into RAH May 31, 2013
1	Type of RAH		PBII-54	PBII-54
2	Steam production	tons/hour	420	420
3	Type of fuel	gas/mazut	gas	gas
	Fuel consumption	m ³ /hour	35	35
	Calorie content of fuel	kcal/ nm ³	8000	8000
4	Air inleakage into furnace	%	6	5
	Excess air coefficient at furnace outlet	-	1.05	1.04
	Excess air coefficient before air heater	-	1.11	1.13
	Excess air coefficient behind air heater	-	1.27	1.24
5	Gas temperature at air heater inlet	°C	320	315
	Air temperature at air heater inlet	°C	10	28
	Gas temperature at air heater outlet	°C	130	125
	Air temperature at air heater outlet	°C	251	254
6	Air heater resistance by gas	mm of w.c.	130	100
	Air heater resistance by air	mm of w.c.	240	130
7	Temperature of flue gases	°C	135	130
	Heat loss with flue gases, q ₂	%	5.96	5.06
	Boiler gross efficiency	%	93.64	94.54

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