

**List of main indexes of boiler functioning at Naberezhnye Chelny power plant
(TFM-84B boiler No.6)**

No	Parameter	Dimension	Data	
			Before repair July 01, 2013	After repair with the installation of CMKA [®] heat exchange elements into RAH Aug 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	35.5	35.5
	Calorie content of fuel	kcal/ nm ³	8000	8000
4	Air inleakage into furnace	%	5	4.5
	Excess air coefficient at furnace outlet	-	1.05	1.04
	Excess air coefficient before air heater	-	1.13	1.135
	Excess air coefficient behind air heater	-	1.245	1.245
5	Gas temperature at air heater inlet	°C	341	314
	Air temperature at air heater inlet	°C	20	18
	Gas temperature at air heater outlet	°C	138	115
	Air temperature at air heater outlet	°C	253	243
6	Air heater resistance by gas	mm of w.c.	95	85
	Air heater resistance by air	mm of w.c.	145	145
7	Temperature of flue gases	°C	143	119
	Heat loss with flue gases, q ₂	%	6.04	4.96
	Boiler gross efficiency	%	93.55	94.64

Name A.A. Kuzmin

Position Engineer