

Reference list of Ecoenergia

Modernizations of boilers with using Low NO_x Coal Burners & Biomass Burners & Oil burners & Gas Burners

Lp.	Customer	Boiler	Type of burn	Year of Build	NO _x [mg/Nm ³] O ₂ =6%
1.	EC ŻERAŃ Warszawa- Poland currently PGNiG Termika	OP-230 no 5	Swirl coal burners	1991	550
2.	EC ŻERAŃ Warszawa- Poland currently PGNiG Termika	OP-230 no 4	Swirl coal burners	1992	450
3.	EC ŻERAŃ Warszawa- Poland currently PGNiG Termika	OP-230 no 1	Swirl coal burners	1992	410
4.	EC ŻERAŃ Warszawa- Poland currently PGNiG Termika	OP-230 no 2	Swirl coal burners	1993	380
5.	EC ŻERAŃ Warszawa- Poland currently PGNiG Termika	OP-230 no 3	Swirl coal burners	1993	380
6.	EC ŻERAŃ Warszawa- Poland currently PGNiG Termika	OP-230 no 6	Swirl coal burners	1994	430
7.	EC LUBLIN-WROTKÓW - Poland	WP-120 no 4	Jet coal burners	1993	410
8.	EC BIAŁYSTOK - Poland	OP-230 no 8	Swirl coal burners	1993	470
9.	EC LUBLIN-WROTKÓW - Poland	WP-70 no 1	Jet coal burners	1994	430
10.	EC BIAŁYSTOK - Poland	OP-230 no 7	Swirl coal burners	1994	470
11.	EC TYCHY – Poland	WP-120 no 4	Jet coal burners	1995	400
12.	EC LUBLIN-WROTKÓW - Poland	WP-70 no 2	Jet coal burners	1995	430
13.	EC POZNAŃ – KAROLIN – Poland – currently Dalkia Poznań ZEC S.A	OP-140 no 1	Jet coal burners	1995	420
14.	SYNTHESIA Pardubice-Semtin - Czech Republic	no 11 (100t/h, 470°C)	Swirl coal burners	1997	550
15.	SYNTHESIA Pardubice-Semtin – - Czech Republic	no 12 (100t/h, 470°C)	Swirl coal burners	1997	550
16.	EC POZNAŃ – KAROLIN – Poland – currently Dalkia Poznań ZEC S.A	OP-140 no 2	Jet coal burners	1996	420
17.	EC KATOWICE – Poland – currently Tauron	WP-200 no 3	Jet coal burners	1996	460
18.	ZAKŁADY AZOTOWE w Tarnowie S.A. - Poland	TP-170 no 3	Swirl coal burners, oil - gas burners	1996	430
19.	JANIKOWSKIE ZAKŁADY SODOWE “JANIKOSODA” – Poland – currently SODA-CIECH	OP-140 no 4	Jet coal burners	1997	420
20.	EC SIEKIERKI w Warszawie – Poland – currently PGNiG Termika	WP-200	Jet coal burners	1997	450
21.	ZAKŁADY AZOTOWE w Tarnowie S.A. - Poland	OP-230 no 5	Swirl coal burners, Oil - gas burners	1997	460
22.	HUTA CZĘSTOCHOWA – Poland– currently Elsen	OKPG-60	Oil - gas burners	1997	-
23.	JANIKOWSKIE ZAKŁADY SODOWE “JANIKOSODA” – Poland – currently SODA-CIECH	OP-140 no 5	Jet coal burners	1998	420
24.	EC ELBLĄG – Poland – currently ENERGA Kogeneracja	OP-130 no 5	Jet coal burners	1998	460

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25.	EC ELBLĄG – Poland – currently ENERGA Kogeneracja	WP-120 no 8	Jet coal burners	1998	460
26.	HUTA im. T. Sendzimira w Krakowie - Poland– currently Arcelor Mittal	OP-230 no 8	Swirl coal burners	1999	430
27.	EC ELBLĄG – Poland- currently ENERGA Kogeneracja	OP-130 no 6	Jet coal burners	1999	450
28.	IP KWIDZYN - Poland	OP-140 no 4	Jet coal burners	1999	450
29.	EC SIEKIERKI Warszawa – Poland – currently PGNiG Termika	OP-230 no 4	Swirl coal burners	1999	460
30.	EC OLOMOUC- Czech Republic – currently Dalkia	no 3 (90 t/h)	Jet coal burners	1999	550
31.	JANIKOWSKIE ZAKŁADY SODOWE “JANIKOSODA – Poland - currently SODA-CIECH	CKTI-75 no 2	Swirl coal burners, start-up burners	2000	540
32.	IP KWIDZYN - Poland	OP-140 no 1	Jet coal burners	2000	510
33.	Firma Chemiczna DWORY Oświęcim - Poland - currently Synthos Dwory	Pauker 130 no 3	Jet coal burners	2000	460
34.	EC BIAŁYSTOK - Poland	OP-230 no 7	Start-up oil burners	2000	-
35.	JANIKOWSKIE ZAKŁADY SODOWE “JANIKOSODA – Poland - currently SODA-CIECH	CKTI-75 no 3	Swirl coal burners, start-up oil burners	2001	540
36.	JANIKOWSKIE ZAKŁADY SODOWE “JANIKOSODA” – Poland - currently SODA-CIECH	CKTI-75 no 1	Swirl coal burners, start-up oil burners	2001	540
37.	EC ELBLĄG – Poland – currently ENERGA Kogeneracja	OP-130 no 7	Jet coal burners	2001	500
38.	STOMIL – OLSZTYN – Poland – currently Michelin	OP-70 no 2	Jet coal burners	2001	460
39.	IP KWIDZYN - Poland	OP-140 no 3	Jet coal burners	2001	510
40.	Zespół Elektrowni Dolana Odra EL. POMORZANY w Szczecinie – Poland – currently PGE	WP-120 no 2	Jet coal burners, start-up oil burners	2002	400
41.	EC SIEKIERKI Warszawa – Poland – currently PGNiG Termika	OP-230 no 3	Swirl coal burners	2002	450
42.	Ciepłownia Wola Warszawa – Poland - – currently PGNiG Termika	PTWM no4	Oil - gas burners	2002	400
43.	TPP Kakanj – Bosnia and Herzegovina (cooperation with Alstom Power Brno)	K5 340 t/h	Swirl coal burners	2003	900 O ₂ =5,2%
44.	STOMIL – OLSZTYN – Poland – currently Michelin	OP-70 no 1	Jet coal burners	2003	460
45.	STOMIL – OLSZTYN - Poland– currently Michelin	OP-70 no 3	Jet coal burners	2004	460
46.	EC 4 Łódź – Poland – currently Dalkia	WP-120 No 2	Jet coal burners	2004	540
47.	IP KWIDZYN - Poland	OP-140 no 2	Jet coal burners	2005	540

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48.	Fibris Przemysł - Poland	OR-32 no 3	Biomass swirl burners	2005	
49.	EC ŻERAN Warszawa- Poland currently PGNiG Termika	OP-230 no 3	Swirl coal burners	2005	540
50.	Elektrownia DOLNA ODRA Nowe Czarnowo Poland - – currently PGE	OP-650 no 4	Jet coal burners	2006	500
51.	ZE H.Cz ELSEN Częstochowa - Poland	OKPG-60 no. 4	Swirl coal burners and gas burners	2007	400-590
52.	ZE H.Cz ELSEN Częstochowa - Poland	OKPG-60 no. 2	Swirl coal burners (collaborating with existing gas burners)	2007	430-590
53.	ZE H.Cz ELSEN Częstochowa - Poland	OKPG-60 no. 1	Swirl coal burners (collaborating with existing gas burners)	2007	460-600
54.	ZE H.Cz ELSEN Częstochowa - Poland	OKPG-60 no. 2	Biomass Swirl burners	2010-11	400
55.	TPP Kakanj – Bosnia and Herzegovina (cooperation with AE&E Brno and Babcock Borsig Steinmuller Brno)	K6 350 t/h	Swirl coal burners	2010-12	850
56.	Energa Kogeneracja Elbląg - Poland	OP-130 no 5	Biomass burners	2012	
57.	Energa Kogeneracja Elbląg - Poland	OP-130 no 6	Biomass burners	2012	
58.	PGE GiEK S.A. ZGIERZ cogeneration plant	OF-100	Oil burners	2014	
59.	PGNiG Termika Warszawa EC Siekierki - Poland	PTWM100 no 8	Oil burners	2015	430
60.	PGNiG Termika Warszawa EC Siekierki - Poland	PTWM100 no 9	Oil burners	2016	430
61.	PGNiG Termika Warszawa C Wola – Poland	PTWM100 no 3	Oil burners	2016	430
62.	PGNiG Termika Warszawa C Wola – Poland	PTWM100 no 2	Oil burners	2016	430
63.	PGNiG Termika Warszawa C Wola – Poland	PTWM100 no 4	Oil burners	2016	430
64.	PGE EC Rzeszów – Poland	WP-120 no K6	Jet coal burners	2015	600
65.	EDF GDYNIA cogeneration plant (currently PGE)	OP-230 No 7	Swirl coal burners	2017	300
66.	EDF GDYNIA cogeneration plant (currently PGE)	OP-230 No 6	Swirl coal burners	2018	300
67.	Veolia Poznań cogeneration plant- Poland	OP-140 No 1K2	Jet coal burners	2018	
68.	Veolia Poznań cogeneration plant- Poland	OP-140 No 1K2	HFO burners	2018	

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69.	ZA PUŁAWY -Poland	OP-215 No K2	Jet coal burners	2018-2020	
70.	Michelin Olsztyn - Poland	OP-70/50 No 3	Jet coal burners	2019-2021	
71.	Veolia Poznań cogeneration plant- Poland	PTWM180 no KW1	LFO burners	2020-2021	
72.	Veolia Poznań cogeneration plant- Poland	PTWM180 no KW2	LFO burners	2020-2021	

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