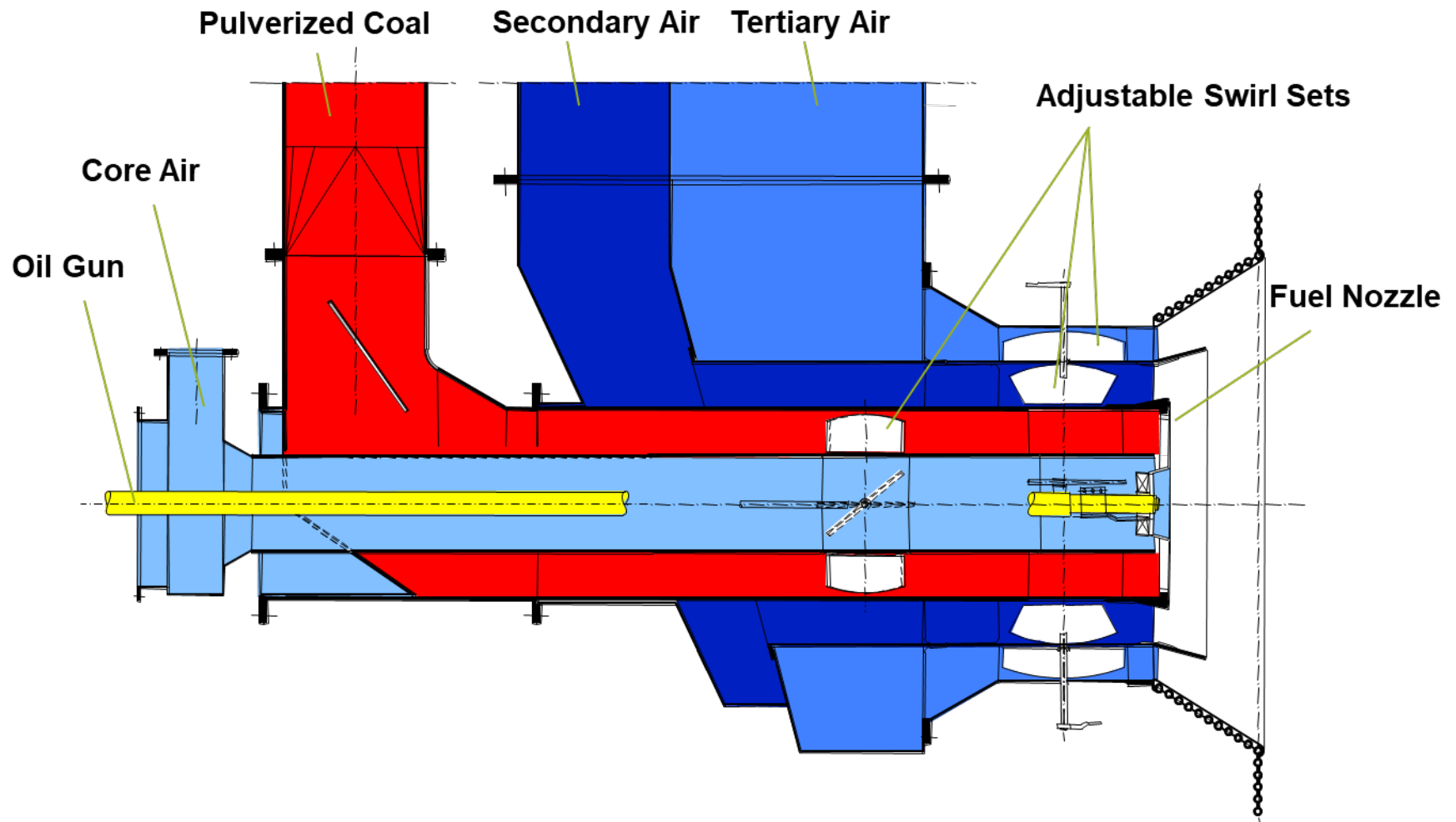


Reference list DS[®] Burner

2025-05





No	Customer / Unit	Country	OFA Distance to Top Burner (mm)	Electr. Power (MW)	Type of Firing System	Fuel	No. of Burners	Burner Load (MW)*	Year of Commis- sioning	Status N = New Plant R = Retrofit
1	Steag / MKW Völklingen	Germany	4,200	151	Opposite	Bituminous Coal	8	54	1991	R
2	Riley Stoker Operation	USA		-	Front	Anthracite / low volatile Coal	1	20	1992	R
3	Dong / Avedorevaerket, Unit1	Denmark	-	260	Opposite	Bituminous Coal	16	37	1994	R
4	KNG / Rostock P.S.	Germany	6,000 9,500	550	Opposite	Bituminous Coal	16	74	1994	N
5	Taiwan Power Comp. / Shen AO	China		80	Front	Sub-bituminous Coal	12	19	1994	N
6	Stadtwerke Flensburg, HKW	Germany		-	Front	Bituminous Coal	4	27	1994	R
7	Steag / Voerde P.S., Unit B	Germany	-	680	Opposite	Bituminous Coal	32	56	1994	R
8	E.ON / Staudinger P.S., Unit 5	Germany	6,000 9,500	550	Opposite	Bituminous Coal	16	74	1994	R
9	EBL / Farge P.S.	Germany	-	350	Front	Bituminous Coal	24	33	1994	R
10	Stadtwerke Frankfurt, Unit 3	Germany	-	-	Corner	Bituminous Coal	12	17	1995	R
11	Steag / HKW Völklingen	Germany	5,653 – 6,744	210	Opposite	Bituminous Coal	16	30	1995	R
12	Solvay Rheinberg Unit 6	Germany	-	-	Front	Bituminous Coal	6	26	1995	R
13	Stadtwerke Frankfurt Unit 2	Germany	-	-	Corner	Bituminous Coal	12	17	1995	R
14	Steag / Lünen P.S. Unit 10	Germany	-	150	Opposite	Bituminous Coal	16	25	1996	N
15	Ontario Power Generation / Nanticoke, Unit 7	Canada	-	500	Opposite	Bituminous / PRB Coal	40	35	1996	R

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16	Sasol II Unit 2	South Africa	-	40	Front	Bituminous Coal	16	30	1996	R
17	Vattenfall / Bewag Reuter Unit D	Germany	5,091	350	Front	Bituminous Coal	16	45	1996	R
18	Dong / Amagervaerket Unit 3	Denmark	-	260	Opposite	Bituminous Coal	4	37	1997	R
19	Steag / Voerde P.S. Unit A	Germany	-	680	Opposite	Bituminous Coal	32	56	1997	R
20	Huaneng / Gao Bei Dian, 4 Units	China	-	167/ 220	Roof	Bituminous Coal	64	38	1997	N
21	GKW Weser Unit 3	Germany	-	300	Roof	Bituminous Coal	16	48	1997	R
22	HKW Frankfurt Oder	Germany	-	-	Front	Dry-lignite	4	20	1997	N
23	Huaneng / Yang Liu Qing	China	-	350	Roof	Bituminous Coal	32	50	1998	N
24	Ontario Power Generation / Nanticoke, Units 3 & 5	Canada	-	500	Opposite	Bituminous / PRB Coal	80	35	1998	R
25	Ontario Power Generation / Nanticoke, Units 6 & 8	Canada	-	500	Opposite	Bituminous / PRB Coal	80	35	1998	R
26	Dong / Amagervaerket Unit 3	Denmark	-	260	Opposite	Bituminous Coal	12	37	1998	R
27	Vattenfall / Bewag Reuter Unit E	Germany	5,091	350	Front	Bituminous Coal	16	45	1998	R
28	Steag / Lünen P.S. Unit 11	Germany	-	340	Roof	Bituminous Coal	16	48	1998	R
29	EDF / Vitry Unit 3	France	-	250	Front	Bituminous Coal	24	35	1998	R
30	EDF / Vitry Unit 4	France	-	250	Front	Bituminous Coal	24	35	1999	R

DS® Burner / Reference list (3/6)

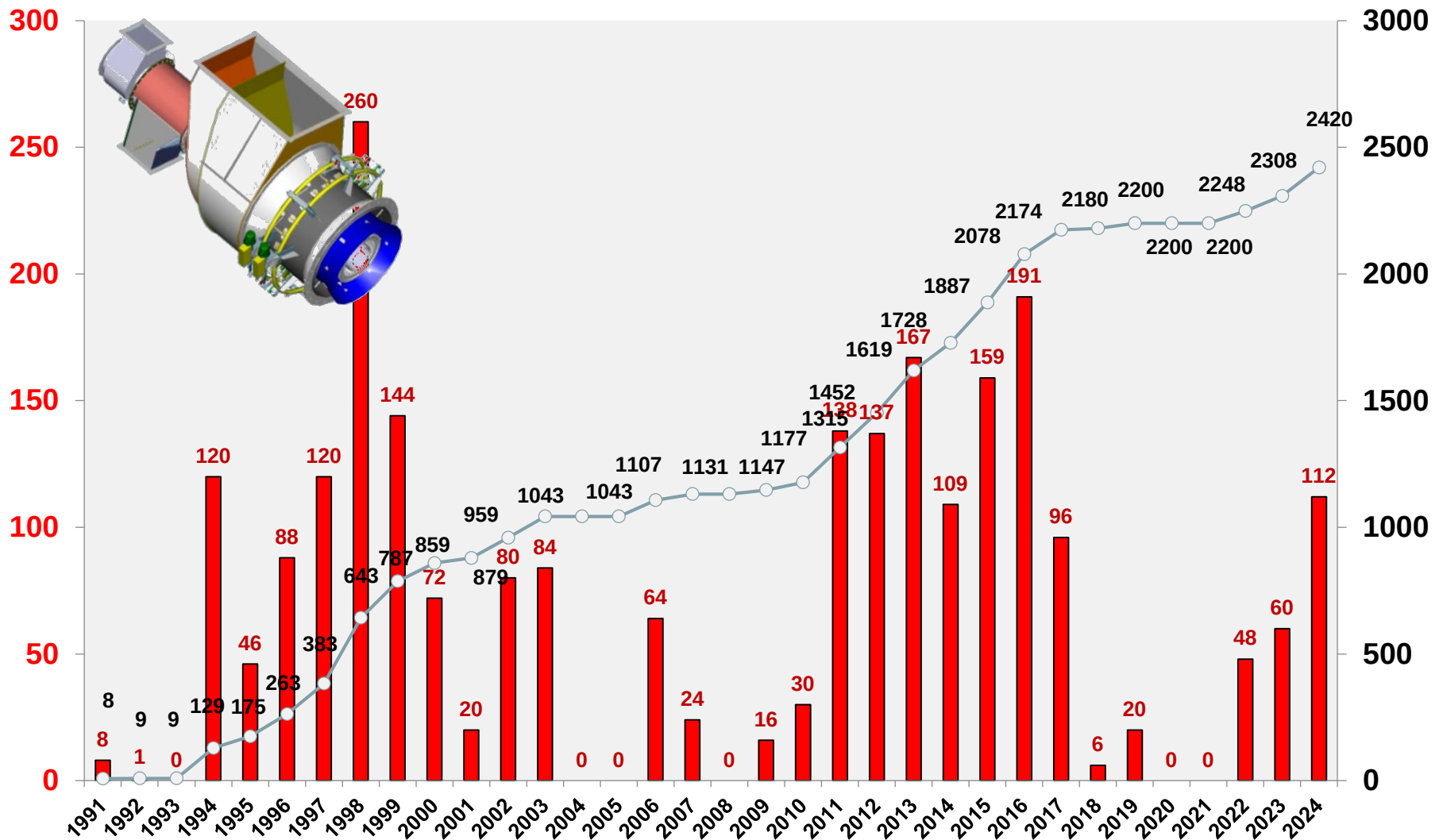
No	Customer / Unit	Country	OFA Distance to Top Burner (mm)	Electr. Power (MW)	Type of Firing System	Fuel	No. of Burners	Burner Load (MW)*	Year of Commis- sioning	Status N = New Plant R = Retrofit
31	Ontario Power Generation / Nanticoke, Units 2 & 4	Canada	-	500	Opposite	Bituminous / PRB Coal	80	35	1999	R
32	E.ON / Heyden P.S.	Germany	-	900	Opposite	Bituminous Coal	32	66	1999	R
33	Cascades Arnsberg Unit 1	Germany	-	-	Opposite	Semi-anthracite Coal	8	6	1999	R
34	Cascades Arnsberg Unit 2	Germany	-	-	Opposite	Semi-anthracite Coal	8	6	2000	R
35	Ontario Power Generation / Nanticoke, Unit 1	Canada	-	500	Opposite	Bituminous / PRB Coal	40	35	2000	R
36	GKW Kiel	Germany	-	350	Front	Bituminous Coal	24	33	2000	R
37	Enercity / GKW Hannover, Units 1 & 2	Germany	-	145	Opposite	Bituminous Coal	16	44	2001	R
38	Stockstadt Unit 9	Germany	-	-	Front	Bituminous	4	35	2001	R
39	Huaneng / Dezhou Unit 5	China	4,000 8,000	660	Opposite	Semi-anthracite Coal	24	84	2002	N
40	Steag / Weiher P.S.	Germany	-	650	Front	Bituminous Coal	24	70	2002	R
41	E.ON / Wilhelmshaven	Germany	-	800	Opposite	Bituminous Coal	32	59	2002	R
42	Huaneng / Dezhou Unit 6	China	4,000 8,000	660	Opposite	Semi-Anthracite Coal	24	84	2003	N
43	Iskenderun Boiler 10 & 20	Turkey	-	660	Opposite	Bituminous Coal	48	81	2003	N
44	Smijev	Ukraine	-	300	Roof	Anthracite Coal	12	30	2003	R
45	Ontario Power Generation / Nanticoke, Unit 5	Canada	6,782	500	Opposite	PRB Coal	40	35	2006	R

No	Customer / Unit	Country	OFA Distance to Top Burner (mm)	Electr. Power (MW)	Type of Firing System	Fuel	No. of Burners	Burner Load (MW)*	Year of Commis- sioning	Status N = New Plant R = Retrofit
46	Gas Natural / Narcea	Spain	-	350	Roof	Anthracite Coal	24	36	2006	R
47	Gas Natural / La Robla	Spain	12,500	350	Roof	Semi-Anthracite Coal	24	36	2007	R
48	Steag / Walsum	Germany	7,350	750	Opposite	Bituminous Coal	16	99	2009	N
49	E.ON / Datteln	Germany	7,958	1,100	Opposite	Bituminous Coal	30	78	2010	N
50	Vattenfall / Moorburg	Germany	7,075	820	Opposite	Bituminous Coal	48	70	2011	N
51	E.ON / Maasvlakte	Netherlands	7,958	1,100	Opposite	Bituminous Coal / Biomass	30	78	2011	N
52	EBL / Rotterdam	Netherlands	7,350	750	Opposite	Bituminous Coal / Biomass	16	99	2012	N
53	EBL / Wilhelmshaven	Germany	7,350	750	Opposite	Bituminous Coal	16	99	2012	N
54	Eskom / Medupi	South Africa	8,420	800	Opposite	Bituminous Coal	6*30	78	2011- 2013	N
55	Eskom / Kusile	South Africa	8,420	800	Opposite	Bituminous Coal	6*30	78	2012- 2015	N
56	KCP&L La Cygne Unit 3	Kansas / USA	8,800	715	Opposite	PRB Coal	56	35	2013	R
57	NTPC / Solapur	India	6,000	660	Opposite	Bituminous Coal	2*32	60	2016- 2017	N
58	NTPC / Meja	India	6,000	660	Opposite	Bituminous Coal	2*32	60	2016- 2017	N
59	Enea / Kozienice	Poland	8,534	1,075	Opposite	Bituminous Coal	32	91	2017	N

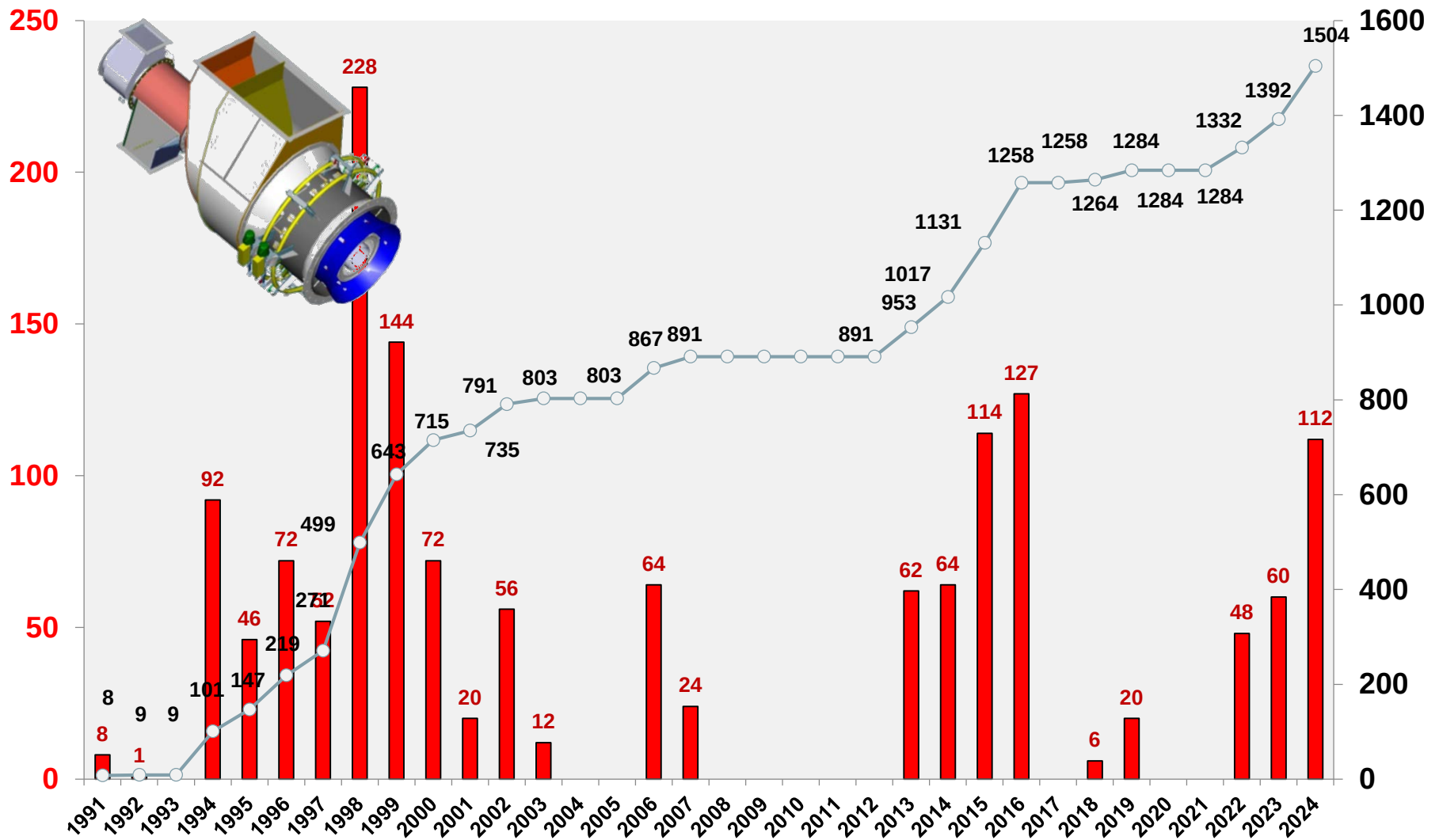
No	Customer / Unit	Country	OFA Distance to Top Burner (mm)	Electr. Power (MW)	Type of Firing System	Fuel	No. of Burners	Burner Load (MW)*	Year of Commis- sioning	Status N = New Plant R = Retrofit
60	Dong Energy / Studstrup	Denmark	-	350	Opposite	Biomass / Bit. Coal / Additionally Straw	6 4 of these 6	35	2013	R
61	Drax Power Limited, Unit 4	UK		660	Opposite	Bituminous Coal	60	40	2014	R
62	Drax Power Limited, Unit 3	UK		660	Opposite	Biomass Coal	4	60	2014	R
63	Dong Energy / Studstrup	Denmark	-	350	Opposite	Biomass / Bit. Coal	18	35	2015	R
64	Drax Power Limited, Unit 1	UK		660	Opposite	Biomass	24 / 24	40 / 60	2015	R
65	Drax Power Limited, Unit 2	UK		660	Opposite	Biomass	24 / 24	40 / 60	2015	R
66	Dong Energy / Avedørevaerket, Unit1	Denmark	-	260	Opposite	Biomass / Bit. Coal	16	37	2016	R
67	Drax Power Limited, Unit 3	UK		660	Opposite	Biomass	24 / 24	40 / 60	2016	R
68	Atikokan	Canada	-	200	Opposite	Biomass	3	47	2016	R
69	Drax Power Limited, Unit 5	UK		660	Opposite	Bituminous Coal	60	40	2017	R
70	Uniper / Maasvlakte	Netherlands	-	1,100	Opposite	Bituminous Coal / Biomass	6	78/78	2018	R
71	Onyx (Engie) / Rotterdam	Netherlands	-	800	Opposite	Bituminous Coal / Biomass	4	99/62	2018	R
72	Sasol Secunda B6West	South Africa	-	-	Front	Bituminous Coal	16	30	2019	R

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73	Sasol Secunda B1East, B2East, B7East	South Africa	-	-	Front	Bituminous coal	16 x 3	30	2022	R
74	Öresundskraft AB PS Västhamnsverket, Unit 1	Sweden	-	69	Corner	Bio pellets, bio-oil (RME)	12	26	2023	R
75	Sasol Secunda B8East, B3West, B4West	South Africa	-	-	Front	Bituminous coal	16 x 3	30	2023	R
76	Sasol Secunda B6E, B1W, B7W, B3E, B5E, B5W, B4E	South Africa	-	-	Front	Bituminous coal	16 x 7	30	2023- 2024	R

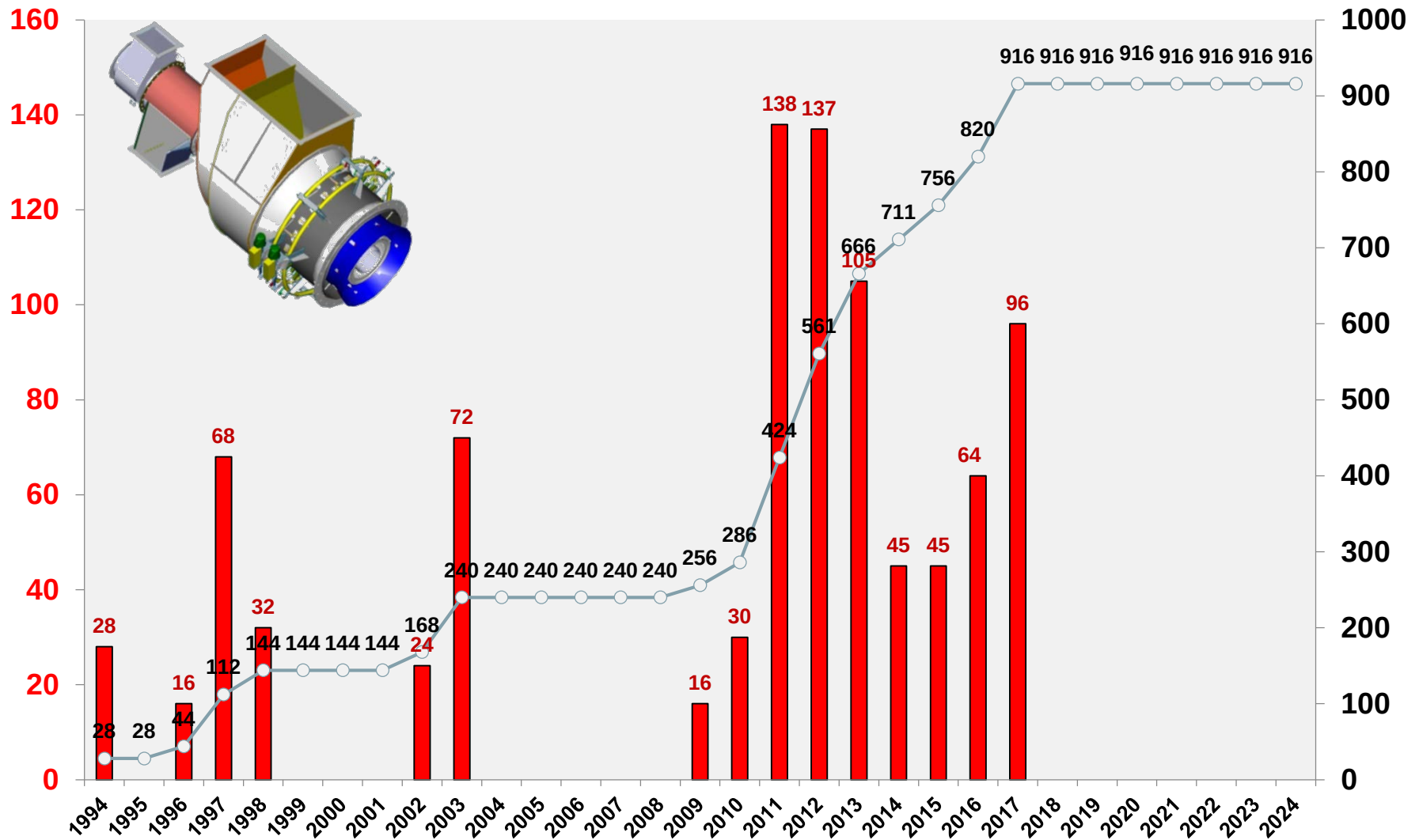
DS® Burner - Orders in total since 1991



DS® Burner - Orders (R) since 1991



DS® Burner - Orders (N) since 1991





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