

# LIST OF REFERENCES - BWE BOILERS

# BOILER MODIFICATIONS

# FUEL CONVERSIONS

Power plant	Country	Conversion type	Before	After	Capacity [MWe]	Flow [t/h]	Pressure [bar]	Temp. [°C]	Year
<b>Conversion to biomass</b>									
Uppsala HVC	Sweden	Peat to wooddust	Oil (100%) Peat (100%)	<b>Bio-oil</b> (100%) <b>Wooddust</b> (100%)	0	-	-	-	2018
Avedøre Unit 2	Denmark	Coal to wooddust	Oil (100%) NG (100%)	Oil (100%) NG (100%) <b>Wooddust</b> (100%)	415	1067	305	582/600	2014
Køge	Denmark	Wooddust to wooddust	Woodchip (100%) Wooddust (30%)	Woodchip (100%) <b>Wooddust</b> (40%)	-	70	-	480	2014
Amager Unit 1	Denmark	Coal to wooddust	Oil (100%) NG (100%)	Oil (100%) NG (100%) <b>Wooddust</b> (100%)	80	500	185	562/540	2009
Herning Unit 1	Denmark	Natural gas to wooddust	Oil (100%) NG (100%) Woodchip (45%)	Oil (100%) NG (100%) Woodchip (45%) <b>Wooddust</b> (45%)	89	425	115	525	2009
Avedøre Unit 2	Denmark	Coal to wooddust	Oil (100%) NG (100%)	Oil (100%) NG (100%) <b>Wooddust</b> (70%)	415	1067	305	582/600	2003
Herning Unit 1	Denmark	Natural gas to woodchip	Oil (100%) NG (100%)	Oil (100%) NG (100%) <b>Woodchip</b> (45%)	89	425	115	525	2002
<b>Conversion to natural gas (NG)</b>									
Herning Unit 1	Denmark	Coal to natural gas	Oil (100%) Coal (100%)	Oil (100%) <b>NG</b> (100%)	89	425	115	525	2000
H.C Ørsted Unit 7	Denmark	Coal to natural gas	Oil (100%) Coal (100%)	Oil (100%) <b>NG</b> (100%)	88	396	115	540	1994
H.C Ørsted Unit 4	Denmark	Coal to natural gas	Oil (100%) Coal (100%)	Oil (100%) <b>NG</b> (100%)	-	200	-	520	1994
H.C Ørsted Unit 3	Denmark	Coal to natural gas	Oil (100%) Coal (100%)	Oil (100%) <b>NG</b> (100%)	-	200	-	520	1994
Grindsted Unit 4	Denmark	Oil to natural gas	Oil (100%)	Oil (100%) <b>NG</b> (100%)	-	65	-	500	1987
Fyn Unit 6	Denmark	Coal to natural gas	Oil (100%) Coal (100%)	Oil (100%) Coal (100%) <b>NG</b> (100%)	-	850	-	535/535	1985
Kyndby Unit 2	Denmark	Oil to natural gas	Oil (100%)	Oil (100%) <b>NG</b> (100%)	260	1000	-	505	1985
<b>Conversion to coal</b>									
Vendsyssel Unit 2	Denmark	Oil to coal	Oil (100%)	Oil (100%) <b>Coal</b> (100%)	-	910	-	535/535	1987
Nordkraft Unit 8	Denmark	Oil to coal	Oil (100%)	Oil (100%) <b>Coal</b> (100%)	269	835	187	535/535	1985
Uppsala Unit 1	Sweden	Oil to coal and peat	Oil (100%)	Oil (100%) <b>Coal</b> (64%) <b>Peat</b> (60%)	-	700	-	535	1985
Jönköping Unit 2	Sweden	Oil to coal	Oil (100%)	Oil (100%) <b>Coal</b> (67%)	-	90	-	450	1985
Västerås Unit 4	Sweden	Oil to coal	Oil (100%)	Oil (100%) <b>Coal</b> (67%)	250	440	-	540	1983
Stignæs Unit 1	Denmark	Oil to coal	Oil (100%)	Oil (100%) <b>Coal</b> (100%)	170	450	-	540/540	1983
Asnæs Unit 5	Denmark	Oil to coal	Oil (100%)	Oil (100%) <b>Coal</b> (100%)	640	1952	190	540/540	1981
Skærbæk Unit 2	Denmark	Oil to coal	Oil (100%)	Oil (100%) <b>Coal</b> (100%)	-	850	-	545/545	1981
Fyn Unit 6	Denmark	Oil to coal	Oil (100%)	Oil (100%) <b>Coal</b> (100%)	-	850	-	535/535	1980
Stignæs Unit 2	Denmark	Oil to coal	Oil (100%)	Oil (100%) <b>Coal</b> (100%)	285	850	-	545/545	1979
Asnæs Unit 4	Denmark	Oil to coal	Oil (100%)	Oil (100%) <b>Coal</b> (100%)	270	850	-	545/545	1978