



Energy and Ecology **for Future**

EKOL STEAM TURBINES

FOR POWER GENERATION & MECHANICAL DRIVES

Type	Size making	Max. inlet steam parameters	Max power (MW)	Numbers of casing	Max. numbers of controled extractions	Max. numbers of bleeds	Outlet pressure bar (a)	Max speed (rpm.)
CONDENSING	EST 10 C	45 bar 450 °C	1,5	1	0	0	0,06 - 1,5	16 000
	EST 20 C	45 bar 450 °C	3,5	1	1	1	0,06 - 1,5	16 000
	EST 30 C	68 bar 485 °C	12	1	1	1	0,06 - 1,5	10 000
	EST 40 C	90 bar 535 °C	25	1	1	2	0,06 - 1,5	7 500
	EST 50 C	110 bar 535 °C	40	1	2	3	0,06 - 1,5	6 000
	EST 60 C	135 bar 540 °C	66	1	2	6	0,06 - 1,5	5 000
	EST 70 C	135 bar 540 °C	70	2	2	6	0,06 - 1,5	3 000
BACK PRESSURE	EST 10 B	45 bar 450 °C	1,5	1	0	0	Max. 24	16 000
	EST 20 B	45 bar 450 °C	3,5	1	1	0	Max. 24	16 000
	EST 30 B	68 bar 485 °C	12	1	1	1	Max. 24	12 000
	EST 40 B	90 bar 535 °C	25	1	1	1	Max. 24	9 000
	EST 50 B	110 bar 535 °C	40	1	1	2	Max. 24	8 000
	EST 60 B	135 bar 540 °C	66	1	2	3	Max. 24	6 000
	EST 70 B	135 bar 540 °C	70	2	2	4	Max. 24	5 500



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EKOL STEAM BOILERS AND BOILER HOUSES

Fuel	Steam flow	Steam temperature	Steam pressure	Note
Wood chips	8 - 50 t/h	Max. 485°C	12 - 80 bar	Combustion on the grate
Straw	8 - 50 t/h	Max. 400°C	12 - 40 bar	Combustion on the grate
Bagasse	30 - 100 t/h	380°C Max. 450°C	12 - 40 bar Max. 64 bar	Pneumatic feeding of the fuel on the grate
Coal	8 - 100 t/h	Max. 540°C	12 - 90 bar	Combustion on the grate, pneumatic chuck of the fuel on the grate
Natural Gas	8 - 200 t/h	Max. 540°C	12 - 120 bar	
Heavy/Light fuel oil	8 - 200 t/h	Max. 540°C	12 - 120 bar	
HRSB	8 - 200 t/h	Max. 540°C	12 - 90 bar	May heat a bit more
Special Boilers	According basic design	According basic design	According basic design	Fuel according to customer demands