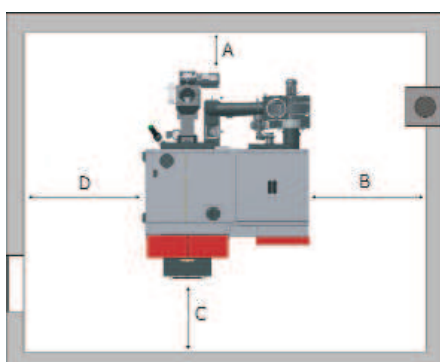


- 1 ...Boiler flow connection
- 2 ...Boiler return connection
- 3 ...Stokerunit
- 4 ...Combustion chamber
- 5 ...Heat exchanger
- 6 ...Induced draft fan
- 7 ...Controller
- 8 ...Ash container combustion chamber
- 9 ...Ashcan

Dimensions and connections TX 150 - 250			150	200	250
H1	Height of boiler	mm	1880	1880	1880
H2	Height of outfeed connection / return connection	mm	1935	1935	1935
H4	Height of flue gas pipe connection without flue gas return	mm	770	960	960
H5	Height of flue gas pipe connection with flue gas return	mm	1410	1445	1445
H6	Height Stokerunit with burn back flap	mm	790	865	865
B1	Width of boiler	mm	1970	2070	2070
L	Total length of boiler and fittings	mm	2620	2980	2980
L1	Length, boiler	mm	1090	1400	1400
L2	Length of stoker unit	mm	940	970	970
L3	Length of ash container	mm	590	610	610
Boiler outfeed and return connection		DN	DN 65	DN 65	DN 65
Boiler data for dimensioning the flue gas system			150	200	250
Flue gas temperature	RL / PL	°C	150 / 110	150 / 110	150 / 110
Flue gas mass flow	RL / PL	kg/h	665	882	1108
Flue gas mass flow	RL / PL	m ³ /h	807	1071	1346
Feed pressure required	RL / PL	Pa	5 / 2	5 / 2	5 / 2
Flue gas pipe diameter		mm	200	200	200



TX		150 - 250
A	Platzbedarf Revisionsbereich Einschub	mm 400
B	Abstand Wärmetauscherseite zur Wand	mm 300
C	Platzbedarf für Entnahme der Aschebox	mm 400
D	Platzbedarf Revisionsbereich Retorte	mm 400
Mindestraumhöhe		mm 2370

Performance data TX 150			150		
Rated heat output (spruce wood chip W30)	kW		150		
Heating efficiency range	kW		45,0 - 150,0		
Boiler class			3		
Electrical connection			400V / 50HZ fused 20A		
Electrical output wood chip operation	W		260 - 730		
Total boiler weight	kg		2730		
Weight retorte / heat exchanger	kg		855 / 1000		
Water capacity	Liter		440		
Water side resistance dT = 20 K	mbar		12,0		
Permitted operating pressure	bar		3		
Permitted operating temperature	°C		90		
Minimum return feed temperature	°C		65		
Airborne sound level	dB(A)		< 70		
Permitted fuels			<ul style="list-style-type: none"> - Wood chip in accordance with EN 14961-4 - A2, P16A - P45A; or ÖNORM M 7133 G30 - G50, W20 - W35 - Wood pellets D06 in accordance with EN 14961-2-Klasse A1; or ÖNORM M7135 - HP1. 		
testing data			wood chips		pellets
Testing institute			TÜV ¹⁾		
Test report no.			10-UW/Wels-EX-119 SD/SD		
Carbon monoxide (CO)	RL/PL	mg/MJ mg/m ³	< 4 / 35 < 6 / 52		< 5 / 16 < 8 / 23
Nitrogen oxide (NOx)	RL/PL	mg/MJ mg/m ³	78 / 63 115 / 93		64 / 57 94 / 84
Organic hydrocarbons	RL/PL	mg/MJ mg/m ³	< 1 / < 1 < 1 / < 2		< 1 / < 1 < 1 / < 1
Dus	RL/PL	mg/MJ mg/m ³	23 / 15 34 / 22		24 / 14 35 / 21
Boiler efficiency		%	92,1 / 92,3		90,8 / 93,4

RL = rated load, PL = partial load

Performance data TX 200			200		
Rated heat output (spruce wood chip W30)	kW		199		
Heating efficiency range	kW		59,0 - 199,0		
Boiler class			3		
Electrical connection			400V / 50HZ fused 35A		
Electrical output wood chip operation	W		285 - 650		
Total boiler weight	kg		3390		
Weight retorte / heat exchanger	kg		1120 / 1280		
Water capacity	Liter		570		
Water side resistance dT = 20 K	mbar		18,0		
Permitted operating pressure	bar		3		
Permitted operating temperature	°C		90		
Minimum return feed temperature	°C		65		
Airborne sound level	dB(A)				
Permitted fuels			- Wood chip in accordance with EN 14961-4 - A2, P16A - P45A; or ÖNORM M 7133 G30 - G50, W20 - W35 - Wood pellets D06 in accordance with EN 14961-2-Klasse A1; or ÖNORM M7135 - HP1.		
testing data			wood chips		pellets
Testing institute			TÜV ¹⁾		
Test report no.			--		
Carbon monoxide (CO)	RL/PL	mg/MJ mg/m ³	--		--
Nitrogen oxide (NOx)	RL/PL	mg/MJ mg/m ³	--		--
Organic hydrocarbons	RL/PL	mg/MJ mg/m ³	--		--
Dus	RL/PL	mg/MJ mg/m ³	--		--
Boiler efficiency		%	--		--

RL = rated load, PL = partial load

Performance data TX 250			250		
Rated heat output (spruce wood chip W30)	kW		250		
Heating efficiency range	kW		75,0 - 250,0		
Boiler class			3		
Electrical connection			400V / 50HZ fused 35A		
Electrical output wood chip operation	W		315 - 565		
Total boiler weight	kg		3390		
Weight retorte / heat exchanger	kg		1120 / 1280		
Water capacity	Liter		570		
Water side resistance dT = 20 K	mbar		18,0		
Permitted operating pressure	bar		3		
Permitted operating temperature	°C		90		
Minimum return feed temperature	°C		65		
Airborne sound level	dB(A)				
Permitted fuels			- Holzhackschnitzel gemäß EN 14961-4 - A2, P16A - P45, M35 bzw. ÖNORM M 7133 G30 - G50, W20 - W35 - Holzpellets D06 gem. EN 14961-2-Klasse A1; bzw. ÖNORM M7135 - HP1.		
testing data			wood chips		pellets
Testing institute			TÜV ¹⁾		
Test report no.			11-UW/Wels-EX-249		
Carbon monoxide (CO)	RL/PL	mg/MJ mg/m ³	7 / 30 10 / 44		4 / 6 6 / 8
Nitrogen oxide (NOx)	RL/PL	mg/MJ mg/m ³	69 / 58 101 / 85		70 / 58 103 / 86
Organic hydrocarbons	RL/PL	mg/MJ mg/m ³	< 1 / < 2 < 1 / < 2		< 2 / < 2 < 2 / < 2
Dus	RL/PL	mg/MJ mg/m ³	17 / 19 25 / 28		11 / 9 15 / 13
Boiler efficiency		%	93,7 / 92,8		93,5 / 92,0

RL = rated load, PL = partial load