



ASSK WITH **FAN** AND **CYLINDRICAL CANOPY**



ASSK WITH **FAN** AND **PRISMATIC CANOPY**

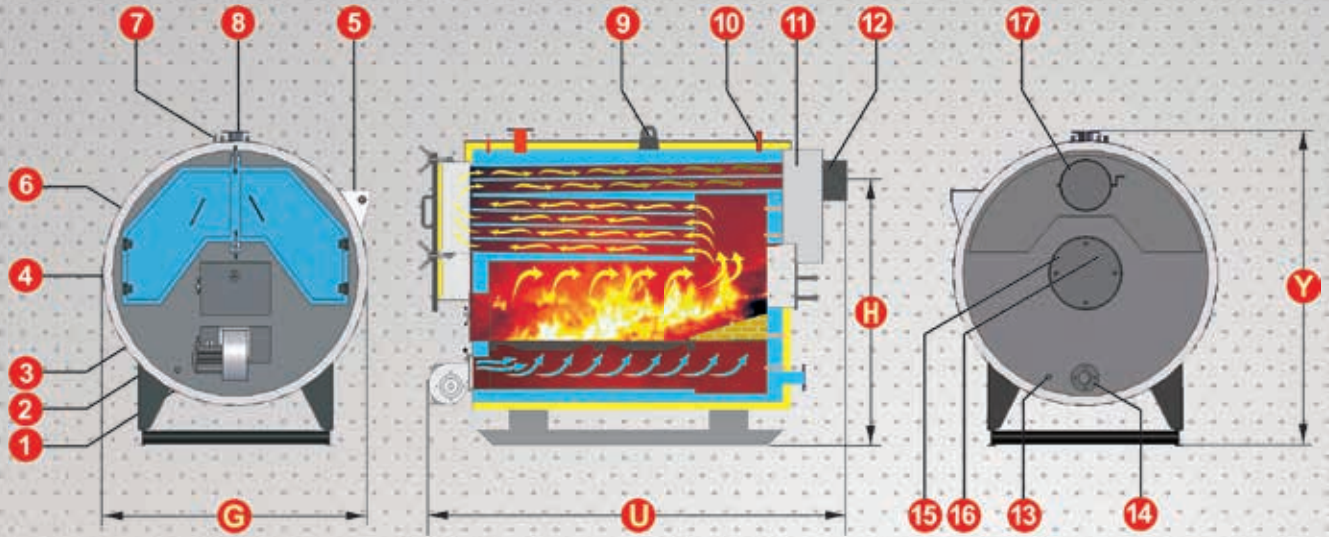


ASSK WITH **STOKER**

TS EN 12953-1-2-3
 TS EN 303-5
 TS 497
 ISO 9001-2008
 BFPN : 152-1000
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ASSK SOLID FUEL **FAN** / **STOKER** CYLINDRICAL SCOTCH TYPE THREE PASS HEATING BOILERS

- They work very quietly and efficiently owing to high design and construction technology.
- ASSK type heating boilers have flare and smoke pipes and the boiler pipes are assembled to the mirrors by welding.
- Type heating boilers have a three-transitive structure and the boiler life times are longer than those of the counter pressure and other type of boilers.
- have design and construction appropriate for burning with high efficiency of low calorie lignite quarried in this country and solid fuels having high energy with their developed special burning chamber and grid design.
- Their cylindrical scotch type structure and special design enables the fluid within the heating boiler homogenously and energy within the fuel is enabled to be transferred to the fluid with high efficiency.
- Acts of the boiler under pressure are secured with their symmetrical cylindrical construction and pressure resistance of the boiler is improved relatively.
- Thermic tensions, which occur during welding with the boiler plates that are cut in special angles, are distributed to the entire boiler surface homogenously and boiler life time is extended.
- Burning of economical solid fuels such as coal, wood, coking coal, hard coal and lignite coal is enabled with ALFA guarantee without compromising comfort and efficiency.
- Their compact structure enabled with their small dimensions and low weight ease transportation and placement matters which are very important in high capacities.
- Thermal efficiency values of ASSK type heating boilers is 86% and higher.
- High efficiency burning is achieved in conformity with automatic burning units and mechanical dust coal burning (AST stoker) systems.
- They are commanded with low water volume and react to demands rapidly and they exceed the condensation limit depending on the fuel that is valid for all boilers in a short time and step in rapidly.
- Heat insulation of the boilers is very good. The entire boiler is coated with an insulation material.
- They are enabled to burn natural gas with a cap revision when desired.



1. Radial pressure air fan	6. Front smoke box	10. Safety exit	15. Cleaning cap
2. Ash removal cap	7. Thermometer, manometer and hydrometer connection nozzles	11. Back smoke box	16. Explosion cap
3. Coal loading cap	8. Hot water exit	12. Smoke canal	17. Chimney valve
4. Flare monitoring cap	9. Carriage ring	13. Safety entry	
5. Control panel		14. Hot water return	

TECHNICAL MEASUREMENTS OF SOLID FUEL FAN / STOKER CYLINDRICAL SCOTCH TYPE THREE PASS HEATING BOILERS

BOILER TYPE	UNIT	ASSK 90	ASSK 100	ASSK 120	ASSK 150	ASSK 180	ASSK 200	ASSK 210	ASSK 250	ASSK 275	ASSK 300
Capacity	Kcal/h	90.000	100.000	120.000	150.000	180.000	200.000	210.000	250.000	275.000	300.000
Capacity	KW	105	116	140	174	209	233	244	291	320	349
Width	mm	1.450	1.450	1.550	1.550	1.550	1.550	1.680	1.680	1.680	1.680
Length with fan	mm	2.050	2.050	2.100	2.150	2.400	2.600	2.600	2.600	2.600	2.600
Length with stoker	mm	3.550	3.550	3.600	3.650	3.800	4.000	4.850	4.850	4.850	4.850
Height	mm	1.710	1.710	1.825	1.825	1.840	1.840	1.985	1.985	1.985	1.985
Chimney axial height	mm	1.392	1.392	1.492	1.492	1.492	1.507	1.662	1.662	1.662	1.662
Base width x length with fan	mm	1550x2150	1550x2150	1650x2250	1650x2500	1650x2700	1780x2700	1780x2700	1780x2700	1780x2700	1780x2700
Base widthxlength with stoker	mm	1550x3650	1550x3650	1650x3700	1650x3750	1650x3900	1650x4100	1780x4950	1780x4950	1780x4950	1780x4950
Boiler departure/ return	PN6	2"	2"	Ø 65	Ø 65	Ø 65	Ø 65	Ø 65	Ø 80	Ø 80	Ø 80
Electrical conn. with fan	Volt/Hz	220/50	220/50	220/50	220/50	220/50	220/50	220/50	220/50	220/50	220/50
Electrical conn. with stoker	Volt/Hz	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50
Safety departure	PN6	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Safety return	PN6	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Chimney exit	mm	Ø250	Ø250	Ø250	Ø250	Ø250	Ø300	Ø300	Ø300	Ø300	Ø300
Weight with fan	Kg	1.250	1.325	1.700	1.750	1.800	2.016	2.100	2.320	2.340	2.365
Weight with stoker	Kg	2.010	2.085	2.560	2.610	2.660	2.876	3.110	3.330	3.350	3.375
Water volume	Lt	1.050	1.120	1.200	1.350	1.650	1.813	1.980	2.150	2.236	2.229
Counter pressure	mbar	0,70	0,70	0,70	0,9	1,10	1,20	1,30	1,55	1,67	1,80

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Electrical conn. with stoker	Volt/Hz	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50
Safety departure	PN6	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Safety return	PN6	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Chimney exit	mm	Ø250	Ø250	Ø250	Ø250	Ø250	Ø300	Ø300	Ø300	Ø300	Ø300
Weight with fan	Kg	1.250	1.325	1.700	1.750	1.800	2.016	2.100	2.320	2.340	2.365
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Water volume	Lt	1.050	1.120	1.200	1.350	1.650	1.813	1.980	2.150	2.236	2.229
Counter pressure	mbar	0,70	0,70	0,70	0,9	1,10	1,20	1,30	1,55	1,67	1,80

- In heating boilers with stoker, U2 length belonging to the relevant capacity shown in the stoker table is added to the U length given in the table.
- A 2m-intervention area should be reserved to the front of stoker mechanism during the placement of the boiler with stoker.
- Canopy measurements are the same in the boilers with fan and prismatic boilers.
- Base height must be accepted as minimum 100mm.
- The right to make modification in the technical matters is reserved by our company.
- Special designs and manufacturing can be made.