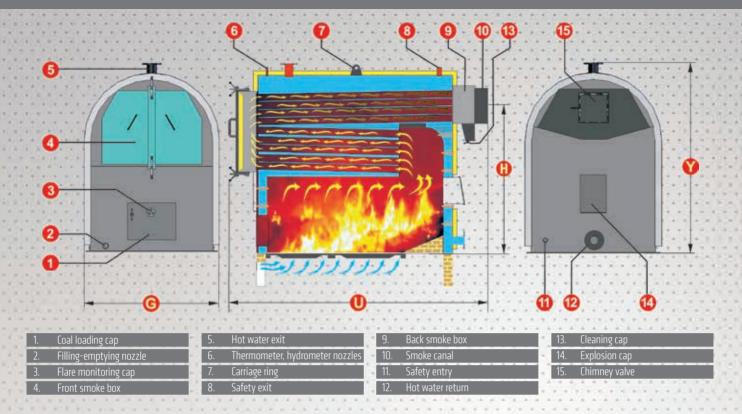


TS EN 12953-1-2-3 TS EN 303-5 TS 497 ISO 9001-2008 BFPN: 152-1000

## FEATURES OF AYSK SOLID FUEL HALF-CYLINDRICAL THREE PASS HEATING BOILERS

- They 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.
- Burning air control can be achieved by the fan couple made in the boiler cap and thermostat control.
- Burning efficiency values in AYSK type hot water heating bollers is achieved to be 86% and higher.
- Their usage and maintenance is easy and this enables easy intervention to the boiler as the system works.
- They are sensitive to the environment and have low emission values.
- The mirrors are cut in special angles and condensation of thermic tensions that are generated on them is prevented.
- The boiler's life time is extended by the three-transitive design.
- Thanks to their ergonomic design, they take a small space.

- They provide assembly and disassembly convenience.
- They 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.
- They work very quietly and efficiently owing to high design and construction technology.
- Equal amount of full heat transfer is achieved in all surfaces within the boiler.
- They have the characteristic to work in conformity with mechanical dust coal burner (AST-stoker).
- The boilers have flare-smoke pipes and the boiler pipes are welded to the mirrors. It is possible to manufacture them with makinoto based on desire.
- Their design and manufacture are appropriate to the change of the boiler pipes when needed.



TECHNICAL MEASURE	MENITC	UE VACI	י מו וח ו		I E-CAI II	NDDICAL	TUDEC	DACC LIE	ATINC D	OII EDC			
BOILER TYPE	UNIT	AYSK 5	AYSK 10	AYSK 15	AYSK 20	AYSK 25	AYSK 30	AYSK 35	AYSK 40	AYSK 45	AYSK 50	AYSK 55	AYSK 60
Capacity	Kcal/h	30.000	60.000	90.000	120.000	150.000	180.000	210.000	240.000	270.000	300.000	330.000	360.000
Capacity	kW	35	70	105	140	174	209	244	279	314	349	384	419
Width	m <sup>2</sup>	5	10	15	20	25	30	35	40	45	50	55	60
Length <b>(</b>	mm	850	1.040	1.040	1.140	1.240	1.340	1.340	1.340	1.440	1.540	1.540	1.640
Height <b>(I)</b>	mm	1.270	1.850	2.100	2.450	2.600	2.600	2.900	2.850	2.850	2.850	3.100	2.900
Chimney axial height 🕚	mm	1.325	1.365	1.525	1.585	1.685	1.830	1.845	1.965	2.085	2.135	2.140	2.310
Base width x length (1)	mm	1.025	1.015	1150	1.205	1.245	1.410	1.410	1.490	1.615	1.665	1.665	1.760
Boiler departure/ return	PN6	11/4"	2"	2"	Ø 65	Ø 65	Ø 65	Ø 65	Ø 80	Ø 80	Ø 80	Ø 80	Ø 100
Safety departure	PN6	1"	11/4"	11/4"	11/4"	11/4"	11/2"	11/2"	11/2"	11/2"	11/2"	2"	2"
Safety return	PN6	3/4"	1"	1"	1"	1"	11/4"	11/4"	11/4"	11/4"	11/4"	11/2"	11/2"
Chimney exit	mm	135x135	200x200	200x200	250x250	250x300	250x300	300x300	350x350	300x400	400x400	400x400	450x450
Weight	Kg	393	906	1.549	1.675	1.801	2.151	2.458	2.656	2.948	3.230	3.553	3.677
Water volume	Lt	385	826	976	1.297	1.495	1.930	2.253	2.340	2.701	2.907	3.250	3.257
Counter pressure	mbar	0,7	0,7	0,8	1,1	1,6	1,8	2,2	2,4	2,6	2,7	3,0	3,4
Counter pressure  BOILER TYPE	mbar UNIT	0,7 <b>AYSK 65</b>	0,7 <b>AYSK 70</b>	0,8 <b>AYSK 75</b>	1,1 AYSK 80	1,6 <b>AYSK 85</b>	1,8 <b>AYSK 90</b>	2,2 <b>AYSK 100</b>	2,4 <b>AYSK 110</b>	2,6 <b>AYSK 120</b>	2,7 <b>AYSK 130</b>	3,0 <b>AYSK 140</b>	3,4 <b>AYSK 150</b>
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BOILER TYPE	UNIT	AYSK 65	AYSK 70	AYSK 75	AYSK 80	AYSK 85	AYSK 90	AYSK 100	AYSK 110	AYSK 120	AYSK 130	AYSK 140	AYSK 150
BOILER TYPE Capacity	UNIT Kcal/h	<b>AYSK 65</b> 390.000	<b>AYSK 70</b> 420.000	<b>AYSK 75</b> 450.000	<b>AYSK 80</b> 480.000	<b>AYSK 85</b> 510.000	<b>AYSK 90</b> 540.000	<b>AYSK 100</b> 600.000	<b>AYSK 110</b> 660.000	<b>AYSK 120</b> 720.000	<b>AYSK 130</b> 780.000	<b>AYSK 140</b> 840.000	<b>AYSK 150</b> 900.000
BOILER TYPE Capacity Capacity	UNIT Kcal/h kW	<b>AYSK 65</b> 390.000 453	<b>AYSK 70</b> 420.000 488	<b>AYSK 75</b> 450.000 523	<b>AYSK 80</b> 480.000 558	<b>AYSK 85</b> 510.000 593	<b>AYSK 90</b> 540.000 628	AYSK 100 600.000 698	AYSK 110 660.000 767	<b>AYSK 120</b> 720.000 837	<b>AYSK 130</b> 780.000 907	<b>AYSK 140</b> 840.000 977	<b>AYSK 150</b> 900.000 1.047
BOILER TYPE Capacity Capacity Width	UNIT Kcal/h kW m²	<b>AYSK 65</b> 390.000 453 65	<b>AYSK 70</b> 420.000 488 70	<b>AYSK 75</b> 450.000 523 75	<b>AYSK 80</b> 480.000 558 80	AYSK 85 510.000 593 85	<b>AYSK 90</b> 540.000 628 90	AYSK 100 600.000 698 100	AYSK 110 660.000 767 110	<b>AYSK 120</b> 720.000 837 120	<b>AYSK 130</b> 780.000 907 130	<b>AYSK 140</b> 840.000 977 140	<b>AYSK 150</b> 900.000 1.047 150
BOILER TYPE Capacity Capacity Width Length Height Chimney axial height	UNIT  Kcal/h  kW  m²  mm	AYSK 65 390.000 453 65 1.640	<b>AYSK 70</b> 420.000 488 70 1.640	<b>AYSK 75</b> 450.000 523 75 1.640	AYSK 80 480.000 558 80 1.740	AYSK 85 510.000 593 85 1.740	AYSK 90 540.000 628 90 1.740	AYSK 100 600.000 698 100 1.740	AYSK 110 660.000 767 110 1.740	<b>AYSK 120</b> 720.000 837 120 1.850	<b>AYSK 130</b> 780.000 907 130 1.850	<b>AYSK 140</b> 840.000 977 140 2.140	<b>AYSK 150</b> 900.000 1.047 150 2.140
BOILER TYPE Capacity Capacity Width Length Height Chimney axial height Base width x length	UNIT Kcal/h kW m² mm	AYSK 65 390.000 453 65 1.640 3.120	AYSK 70 420.000 488 70 1.640 3.200	<b>AYSK 75</b> 450.000 523 75 1.640 3.400	AYSK 80 480.000 558 80 1.740 3.200	AYSK 85 510.000 593 85 1.740 3.250	AYSK 90 540.000 628 90 1.740 3.300	AYSK 100 600.000 698 100 1.740 3.550	AYSK 110 660.000 767 110 1.740 3.800	<b>AYSK 120</b> 720.000 837 120 1.850 4.050	<b>AYSK 130</b> 780.000 907 130 1.850 4.200	<b>AYSK 140</b> 840.000 977 140 2.140 3.700	<b>AYSK 150</b> 900.000 1.047 150 2.140 3.750
BOILER TYPE Capacity Capacity Width Length Height U Chimney axial height	UNIT Kcal/h kW m² mm mm	AYSK 65 390.000 453 65 1.640 3.120 2.310	AYSK 70 420.000 488 70 1.640 3.200 2.310	<b>AYSK 75</b> 450.000 523 75 1.640 3.400 2.310	AYSK 80 480.000 558 80 1.740 3.200 2.555	AYSK 85 510.000 593 85 1.740 3.250 2.555	<b>AYSK 90</b> 540.000 628 90 1.740 3.300 2.500	AYSK 100 600.000 698 100 1.740 3.550 2.615	AYSK 110 660.000 767 110 1.740 3.800 2.615	<b>AYSK 120</b> 720.000 837 120 1.850 4.050 2.580	<b>AYSK 130</b> 780.000 907 130 1.850 4.200 2.580	AYSK 140 840.000 977 140 2.140 3.700 2.670	AYSK 150 900.000 1.047 150 2.140 3.750 2.820
BOILER TYPE Capacity Capacity Width Length Height Chimney axial height Base width x length	UNIT Kcal/h kW m² mm mm	AYSK 65 390.000 453 65 1.640 3.120 2.310 1.760	AYSK 70 420.000 488 70 1.640 3.200 2.310 1.760	AYSK 75 450.000 523 75 1.640 3.400 2.310 1.770	AYSK 80 480.000 558 80 1.740 3.200 2.555 1.945	AYSK 85 510.000 593 85 1.740 3.250 2.555 1.945	AYSK 90 540.000 628 90 1.740 3.300 2.500 1.945	AYSK 100 600.000 698 100 1.740 3.550 2.615 2.055	AYSK 110 660.000 767 110 1.740 3.800 2.615 2.055	AYSK 120 720.000 837 120 1.850 4.050 2.580 2.060	AYSK 130 780.000 907 130 1.850 4.200 2.580 2.060	840.000 977 140 2.140 3.700 2.670 2.145	AYSK 150 900.000 1.047 150 2.140 3.750 2.820 2.275
BOILER TYPE  Capacity Capacity Width Length Height Chimney axial height Base width x length Boiler departure/ return Safety departure Safety return	UNIT  Kcal/h  kW  m²  mm  mm  mm  PN6	AYSK 65 390.000 453 65 1.640 3.120 2.310 1.760 Ø 100	AYSK 70 420.000 488 70 1.640 3.200 2.310 1.760 Ø 100	AYSK 75 450.000 523 75 1.640 3.400 2.310 1.770 Ø 100	AYSK 80 480.000 558 80 1.740 3.200 2.555 1.945 Ø 100	AYSK 85 510.000 593 85 1.740 3.250 2.555 1.945 Ø 100 2" 11/2"	AYSK 90 540.000 628 90 1.740 3.300 2.500 1.945 Ø 100	AYSK 100 600.000 698 100 1.740 3.550 2.615 2.055 Ø 125	AYSK 110 660.000 767 110 1.740 3.800 2.615 2.055 Ø 125 2" 11/2"	AYSK 120 720.000 837 120 1.850 4.050 2.580 2.060 Ø 125 Ø 65 2"	AYSK 130 780.000 907 130 1.850 4.200 2.580 2.060 Ø 125 Ø 65 2"	AYSK 140 840.000 977 140 2.140 3.700 2.670 2.145 Ø 125 Ø 65 2"	AYSK 150 900.000 1.047 150 2.140 3.750 2.820 2.275 Ø 125
BOILER TYPE Capacity Capacity Width Length Height Chimney axial height Base width x length Boiler departure/ return Safety departure	UNIT Kcal/h kW m² mm mm mm PN6	AYSK 65 390.000 453 65 1.640 3.120 2.310 1.760 Ø 100 2"	AYSK 70 420.000 488 70 1.640 3.200 2.310 1.760 Ø 100 2"	AYSK 75 450.000 523 75 1.640 3.400 2.310 1.770 Ø 100 2"	AYSK 80 480.000 558 80 1.740 3.200 2.555 1.945 Ø 100 2"	AYSK 85 510.000 593 85 1.740 3.250 2.555 1.945 Ø 100 2"	AYSK 90 540.000 628 90 1.740 3.300 2.500 1.945 Ø 100 2"	AYSK 100 600.000 698 100 1.740 3.550 2.615 2.055 Ø 125 2"	AYSK 110 660.000 767 110 1.740 3.800 2.615 2.055 Ø 125 2"	AYSK 120 720.000 837 120 1.850 4.050 2.580 2.060 Ø 125 Ø 65	AYSK 130 780.000 907 130 1.850 4.200 2.580 2.060 Ø 125 Ø 65	AYSK 140 840.000 977 140 2.140 3.700 2.670 2.145 Ø 125 Ø 65	AYSK 150 900.000 1.047 150 2.140 3.750 2.820 2.275 Ø 125 Ø 65 2" 600x600
BOILER TYPE  Capacity Capacity Width Length Height Chimney axial height Base width x length Boiler departure/ return Safety departure Safety return	UNIT Kcal/h kW m² mm mm mm PN6 PN6	AYSK 65 390.000 453 65 1.640 3.120 2.310 1.760 Ø 100 2" 11/2"	AYSK 70 420.000 488 70 1.640 3.200 2.310 1.760 Ø 100 2" 11/2"	AYSK 75 450.000 523 75 1.640 3.400 2.310 1.770 Ø 100 2" 11/2"	AYSK 80 480.000 558 80 1.740 3.200 2.555 1.945 Ø 100 2" 11/2"	AYSK 85 510.000 593 85 1.740 3.250 2.555 1.945 Ø 100 2" 11/2"	AYSK 90 540.000 628 90 1.740 3.300 2.500 1.945 Ø 100 2" 11/2"	AYSK 100 600.000 698 100 1.740 3.550 2.615 2.055 Ø 125 2" 11/2"	AYSK 110 660.000 767 110 1.740 3.800 2.615 2.055 Ø 125 2" 11/2"	AYSK 120 720.000 837 120 1.850 4.050 2.580 2.060 Ø 125 Ø 65 2"	AYSK 130 780.000 907 130 1.850 4.200 2.580 2.060 Ø 125 Ø 65 2"	AYSK 140 840.000 977 140 2.140 3.700 2.670 2.145 Ø 125 Ø 65 2"	AYSK 150 900.000 1.047 150 2.140 3.750 2.820 2.275 Ø 125 Ø 65 2"
BOILER TYPE  Capacity Capacity Width Length Height Chimney axial height Base width x length Boiler departure/ return Safety departure Safety return Chimney exit	UNIT Kcal/h kW m² mm mm mm PN6 PN6 PN6 mm	AYSK 65 390.000 453 65 1.640 3.120 2.310 1.760 Ø 100 2" 11/2" 450x450	AYSK 70 420.000 488 70 1.640 3.200 2.310 1.760 Ø 100 2" 11/2" 450x450	AYSK 75 450.000 523 75 1.640 3.400 2.310 1.770 Ø 100 2" 11/2" 500x500	AYSK 80 480.000 558 80 1.740 3.200 2.555 1.945 Ø 100 2" 11/2" 500x600	AYSK 85 510.000 593 85 1.740 3.250 2.555 1.945 Ø 100 2" 11/2" 500x600	AYSK 90 540.000 628 90 1.740 3.300 2.500 1.945 Ø 100 2" 11/2" 500x600	AYSK 100 600.000 698 100 1.740 3.550 2.615 2.055 Ø 125 2" 11/2" 500x600	AYSK 110 660.000 767 110 1.740 3.800 2.615 2.055 Ø 125 2" 11/2" 500x600	AYSK 120 720.000 837 120 1.850 4.050 2.580 2.060 Ø 125 Ø 65 2" 500x600	AYSK 130 780.000 907 130 1.850 4.200 2.580 2.060 Ø 125 Ø 65 2" 500x600	AYSK 140 840.000 977 140 2.140 3.700 2.670 2.145 Ø 125 Ø 65 2" 600x600	AYSK 150 900.000 1.047 150 2.140 3.750 2.820 2.275 Ø 125 Ø 65 2" 600x600

- Base height must be accepted as minimum 450mm. The right to make modification in the technical matters is reserved by our company. Special designs and manufacturing can be made.