



AMTEC

Brand: _____ Manufacturer: _____
Model: _____ Date of Manufacture: _____
Serial No.: _____ Date of Test: _____
Test Requested By: _____ Location of Test: _____

SPECIFICATIONS
(Biomass Furnace)

Item	Manufacturer's Specification ^a
1 Overall dimensions, mm	
1.1 Length	
1.2 Width	
1.3 Height	
2 Biomass fuel consumption, kg/h	
3 Operating temperature, °C	
4 Hopper	
4.1 Material	
4.2 Number	
4.3 Dimensions, L × W × t, mm Number	
4.4 Screw feeder	
4.5 Dimension, D × L, mm	
4.6 Thread thickness, mm	
4.7 Thread height, mm	
4.8 Prime mover	
4.8.1 Engine	
4.8.1.1 Brand	
4.8.1.2 Model	
4.8.1.3 Serial number	
4.8.1.4 Make or manufacturer	
4.8.1.5 Type	
4.8.1.6 Rated power, kW	
4.8.1.7 Rated speed, rpm	
4.8.1.8 Cooling system	
4.8.1.9 Starting system	
4.8.1.10 Weight, kg	

Note: NA – Not Applicable, ND – No Data

Test Engineer Signature: _____ Applicant Signature: _____
(If the applicant provided the specifications on-site/during the testing operation)



AMTEC

Item		Manufacturer's Specification ^a
4.8.1	Electric motor	
4.8.1.1	Brand	
4.8.1.2	Model	
4.8.1.3	Serial number	
4.8.1.4	Make or manufacturer	
4.8.1.5	Electric service required	
4.8.1.6	Rated power, kW	
4.8.1.7	Rated speed, rpm	
4.8.1.8	Voltage, V	
4.8.1.9	Current, A	
4.8.1.10	Frequency, Hz	
5	Combustion chamber	
5.1	Frame	
5.1.1	Material	
5.1.2	Dimension, L × W × t, mm	
5.2	Walls	
5.2.1	Material	
5.2.2	Dimension, L × W × t, mm	
5.2.3	Number of linings	
5.2.4	Insulation material used	
5.3	Combustion air inlet device used	
6	Heat exchanger	
6.1	Type of furnace	
6.2	Tube	
6.2.1	Material	
6.2.2	Dimension, L × D, mm	
6.2.3	Thickness, mm	
6.2.4	Orientation	
7	Chimney	
7.1	Material	
7.2	Dimension, L × W, mm	
8	Plenum	
8.1	Material	
8.2	Dimension, L × W, mm	

Note: NA – Not Applicable, ND – No Data

Test Engineer Signature: _____

Applicant Signature: _____

(If the applicant provided the specifications on-site/during the testing operation)



Item	Manufacturer's Specification ^a
9 Ash discharge unit	
9.1 Type	
9.2 Material	
9.3 Dimension, L × W, mm	
6.4 Ash pan	
6.4.1 Material	
6.4.2 Dimension, L × W, mm	
6.5 Ash arrester	
6.5.1 Material	
6.5.2 Dimension, H × W, mm	
6.5.3 Maximum capacity, kg	
6.6 Fans	
6.6.1 Material	
6.6.2 Diameter of fan wheel, D, mm	
6.6.3 Flow rate, m ³ /min	
6.6.4 Static pressure, mmH ₂ O	
6.6.5 Fan air speed, m/s	
7 Safety features	
8 Special features	

Note: NA – Not Applicable, ND – No Data

Test Engineer Signature: _____

Applicant Signature: _____
 (If the applicant provided the specifications on-site/during the testing operation)