



AMTEC

Brand: \_\_\_\_\_ Manufacturer: \_\_\_\_\_  
Model: \_\_\_\_\_ Date of Manufacture: \_\_\_\_\_  
Serial No: \_\_\_\_\_ Date of Test: \_\_\_\_\_  
Test Requested By: \_\_\_\_\_ Location of Test: \_\_\_\_\_

**SPECIFICATIONS**

(Heated-Air Mechanical Grain Dryer- Continuous Flow)

Item		Manufacturer's Specification
1	Drying rate, %/h	
2	Overall dimensions, mm (installed)	
2.1	Length	
2.2	Width	
2.3	Height	
3	Drying chamber	
3.1	Drying and cooling section	
3.1.1	Overall dimensions, mm	
3.1.1.1	Length	
3.1.1.2	Width	
3.1.1.3	Height	
3.1.2	Grain holding capacity	
3.1.2.1	Volumetric, m <sup>3</sup>	
3.1.2.2	Weight, kg	
3.1.3	Material	
3.2	Grain discharge section	
3.2.1	Metering device	
3.2.1.1	Type	
3.2.1.2	Number of elements	
3.2.1.3	Control drive arrangement	
3.2.1.4	Drive unit, kW	
3.2.2	Material (discharge hopper)	

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 <sup>a</sup>
4	Air distribution system	
4.1	Drying and cooling section	
4.1.1	Plenum	
4.1.1.1	Intake manifold	
4.1.1.1.1	Material	
4.1.1.2	Exhaust manifold	
4.1.1.2.1	Material	
4.1.2	Ducting	
4.1.2.1	Material	
5	Fan	
5.1	Drying and cooling section	
5.1.1	Number	
5.1.2	Type	
5.1.3	Brand and model	
5.1.4	Make	
5.1.5	Prime mover	
5.1.5.1	Number	
5.1.5.2	Type	
5.1.5.3	Rated power, kW	
5.1.5.4	Rated speed, rpm	
5.1.5.5	Electric service required	
5.1.5.6	Voltage, V	
5.1.5.7	Frequency, Hz	
5.1.6	Fan shaft speed, rpm	
5.1.7	Air flow rate, m <sup>3</sup> /min	
6	Heating system	
6.1	Main	
6.1.1	Type	
6.1.2	Type of fuel	
6.1.3	Temperature control	
6.1.4	Fuel consumption, L/h	
6.1.5	Other features	
6.2	Supplementary	
6.2.1	Type	
6.2.2	Type of fuel	

Note: NA – Not Applicable, ND – No Data, NM – Not Measured

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**SPECIFICATIONS (Cont'n)**

<b>Item</b>	<b>Manufacturer's Specification</b>
6.2.3	Temperature control
6.2.4	Fuel consumption, L/h
6.2.5	Other features
7	Tempering bin
7.1	Number
7.2	Holding capacity, m <sup>3</sup>
7.2.1	Type
7.2.2	Unloading rate, kg/h
7.3	Material
7.4	Other features
8	Material handling system
8.1	Dumping pit
8.1.1	Pit dimension, L × W × H, mm
8.1.2	Material
8.1.3	Features
8.2	Elevator
8.2.1	Number
8.2.2	Height, m
8.2.3	Capacity, kg/h
8.2.4	Belt dimensions, W × t, mm
8.2.5	Elevator buckets
8.2.5.1	Dimensions, L × W × H, mm
8.2.5.2	Material
8.2.6	Drive motor
8.2.6.1	Type
8.2.6.2	Rated power, kW
8.2.6.3	Rated speed, rpm
8.2.6.4	Phase
8.2.6.5	Voltage, V
8.2.6.6	Frequency, Hz
8.2.7	Material
8.2.8	Other features

Note: NA – Not Applicable, ND – No Data

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Item		Manufacturer's Specification
8.3	Conveyor	
8.3.1	Type	
8.3.2	Number	
8.3.3	Capacity, kg/h	
8.3.4	Drive motor	
8.3.5	Type	
8.3.5.1	Rated power, kW	
8.3.5.2	Rated speed, rpm	
8.3.6	Electric service required	
8.3.6.1	Voltage, V	
8.3.6.2	Frequency, Hz	
8.3.6.3	Control	
8.3.6.4	Material	
8.3.6.5	Other features	
8.4	Other types of material handling	
8.4.1	Description	
9	Instruments and controls	
9.1	Drying air temperature	
9.1.1	Location	
9.2	Grain temperature	
9.2.1	Location	
9.3	Grain moisture content	
9.3.1	Location	
9.4	Pressure	
9.4.1	Location	
9.5	Airflow indicator	
9.5.1	Location	
9.6	Other features	
10	Pre-cleaner	
10.1	Type	
10.2	Capacity	
10.3	Fan	
10.3.1	Type	
10.3.2	Material	

Note: NA – Not Applicable, ND – No Data

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Item		Manufacturer's Specification
10.4	Sieve	
10.4.1	Type	
10.4.2	Number	
10.4.3	Size of perforation, D, mm	
10.4.4	Material	
10.5	Air duct	
10.5.1	Diameter, mm	
10.5.2	Material	
10.6	Electric motor	
10.6.1	Type	
10.6.2	Rated power, kW	
10.6.3	Rated speed, rpm	
10.6.4	Electric service required	
10.6.5	Voltage, V	
10.6.6	Frequency, Hz	
10.6.7	Other features	
11	Dust emission control	
11.1	Type	
11.2	Location	
11.3	Other features	
12	Safety features	
12.1	Product safety	
12.2	Machine safety	
12.3	Operator safety	

Note: NA – Not Applicable, ND – No Data

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