

Grain Dryer Golden Double Eight Husk Furnace Dryer Series

Japan-made Moisture Meter

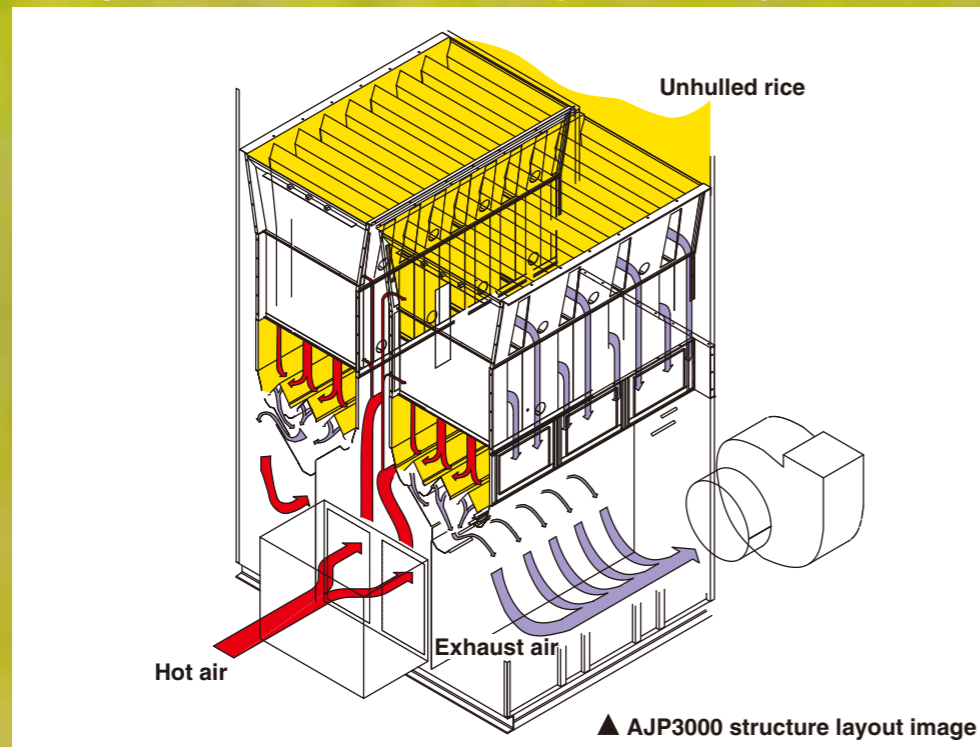
Uniform Drying of Grain (Even Drying)

Simple Operations

Features

Cross-blowing eight-row drying system to insure uniform drying of the grain

Angle sections that intersect from the top and bottom inside the dryer mix the grains to ideal effect. Even grains with a high moisture content are blown smoothly and dried evenly.



Safe and assured combustion temperature adjustment

The temperature is always kept at the appropriate level for combustion of rice hull by controlling the opening and closing of the damper on the control panel.

Precise display of water moisture levels and grain temperatures

All operations from filling to discharging are performed by simply pressing buttons. The water moisture levels and grain temperatures can be ascertained very precisely on the digital display.

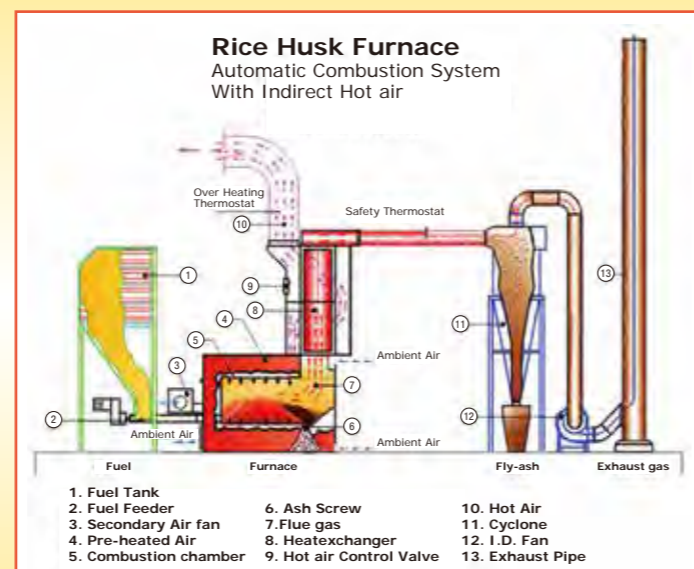


High-quality self-cleaning moisture meter made in Japan

When measurements are started and ended, the rolls are rotated in reverse to remove old samples and dirt. This means that only new samples are used every time for the accurate detection of moisture content display.

Rice Husk Furnace

With air preheated system principle ensures smokeless combustion with a high CO² and a low CO content in the waste gas.



Specifications;

Model	Unit	UF30	UF60	UF80	UF150	UF2000	UF3000	UF4000
Heat output	kW	300	600	800	1500	2000	3000	4000
	kcal/h	258,000	516,000	688,000	1,290,000	1,720,000	2,580,000	3,440,000
Chamber	m ³	0.28	0.6	1.02	2.6	4.77	5.0	5.0
Fuel consumption(Husk)	kg/h	90	200	250	400	600	900	1200
Ignition		Manual						
Fuel		Paddy husk (or similar Bio-fuel)						
Power	kW	1.5	4.0	5.5	5.5	7.5	11.0	22.0
Power	kW	0.75	0.75	1.5	1.5	4	5.5	11.0
Power requirement		3 Phase 380V 50Hz/60Hz						
Fuel Feeder	kW	0.37	0.75	1.5	1.5	1.5	1.5	1.5
Ash Discharger	kW	-	0.75	0.75	0.75	0.75	0.75	0.75
Total Simultaneous Power	kW	2.62	6.35	7.85	9.25	13.75	18.75	35.25
Weight	kg	4,000	7,000	9,610	11,740	17,800	23,000	37,000

* Ash discharging of UF30 to be gravity flow.

Completely combustion with pre heated air to be achieved with a low ash melting point.



Matching number of Dryer and Husk Furnace

No. of Dryer (unit)	1	2	3	4	5	6	7	8
Hold'g capacity	10 ton	UF30		UF60		UF80	UF150	
	20 ton	UF30	UF60	UF80	UF150		UF2000	
	30 ton	UF60	UF80	UF150	UF150	UF2000	UF3000	UF3000 UF4000

* In case of installing 4 units and 8 units of 30 ton Dryer, the model of Furnace will be chosen by atmospheric temperature of drying season.

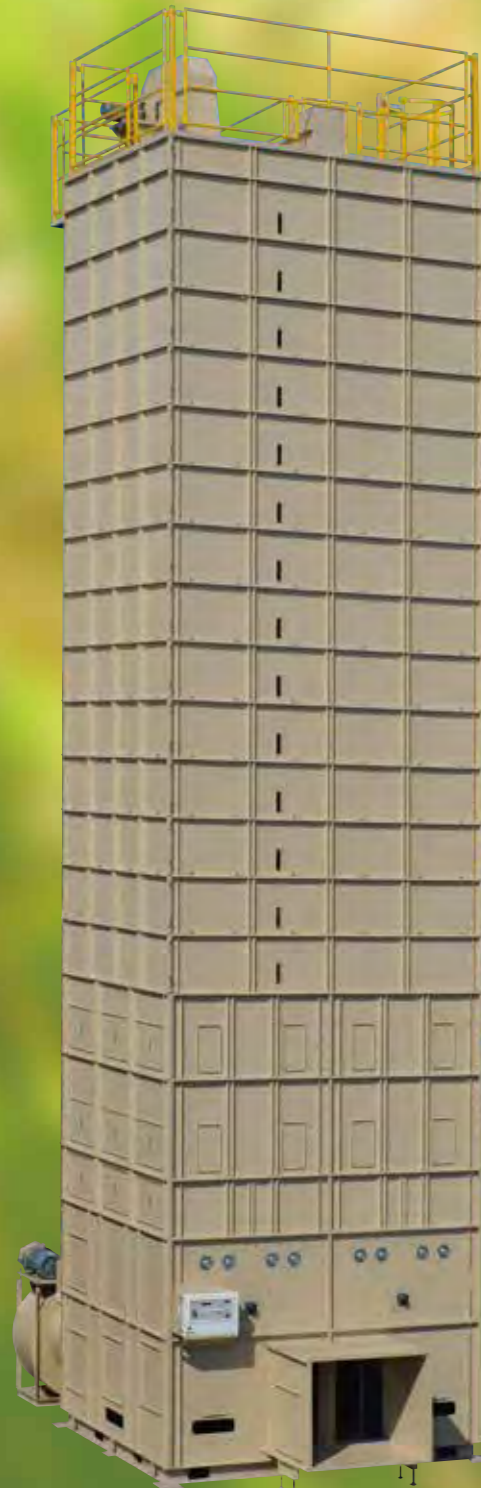
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Golden Double Eight

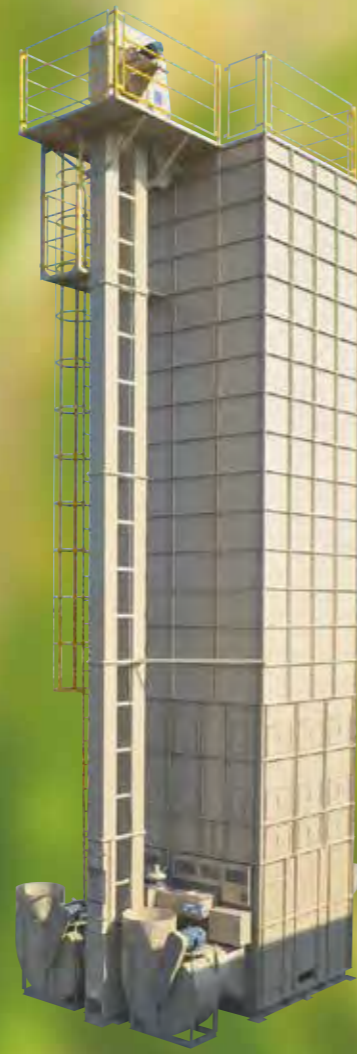
Husk Furnace Dryer Series

Key Point

- Odor-less
- Good taste!
- Higher recovery



AJP3000

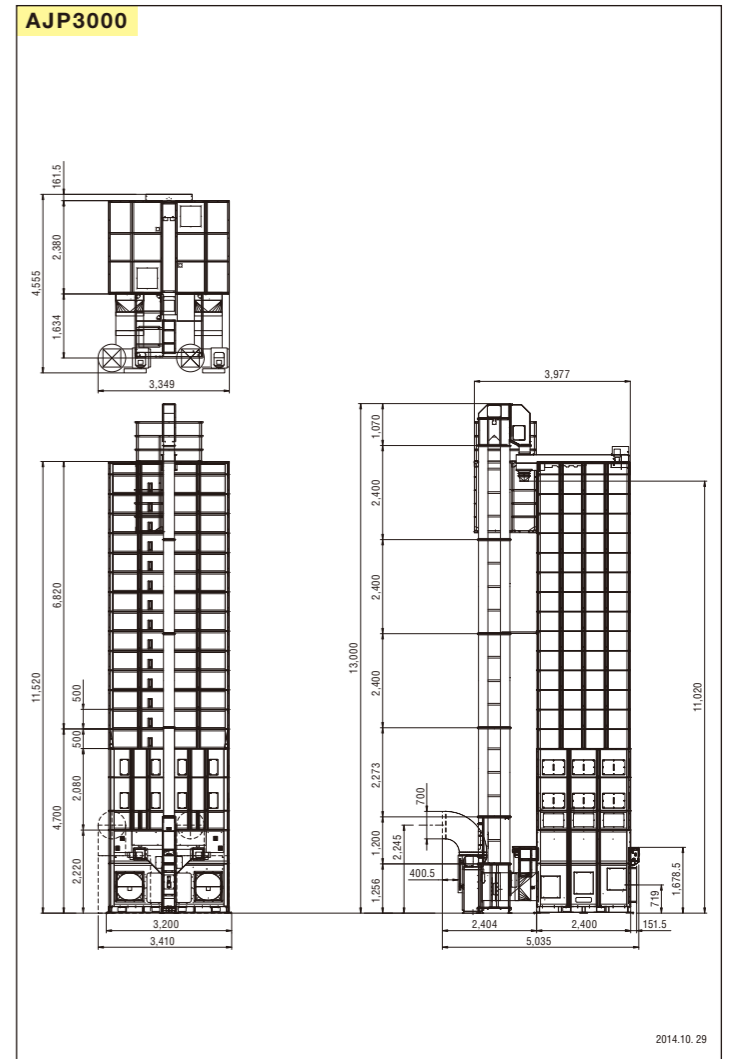
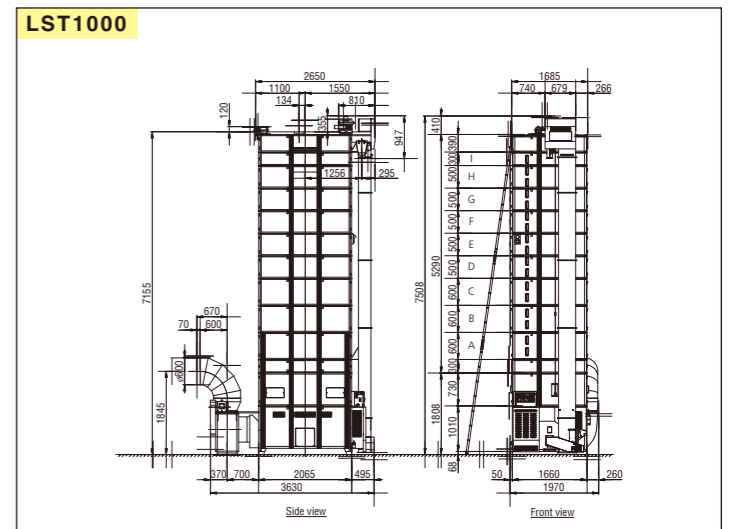


Rear face

Main specifications (overseas specification of dryers)

Model name		LST1000	AJP3000	
Category		External heat source hot air drying system		
External heat source hot air drying system	Unhulled rice : 560kg/m ³	kg 1,010 to 10,000	7,000 to 30,000	
	Wheat : 680kg/m ³	kg 1,230 to 9,790	8,500 to 36,000	
	Barley : 615kg/m ³	kg —	7,680 to 33,000	
Unit dimensions	Total length	mm 1,970	6,180	
	Total width	mm 3,630	3,350	
	Total height	mm 7,508	12,970	
Mass of the unit (weight)	kg	1,890	—	
Blower	Model name	GSF600	LLA#4 1/2C	
	Type	Centrifugal type	Centrifugal type	
	Discharge diameter	mm φ600	φ700	
	Air volume	m ³ /min —	470	
	Common use rotation speed	r.p.m 1,450	1,450	
Furnace	Model name	KRB-120RB	Warm air rising temperature	
	Type	Rotary spraying type	+10 to +40°C	
	Ignition method	Automatic ignition	—	
Fuel consumption	L/h	3.0 to 12.0	—	
Fuel used		Kerosene	Rice husk fired hot air furnace	
Fuel tank capacity	L	—	—	
Power requirement	Rated voltage	V 3 phase 380V/50Hz	3 phase 380V/50Hz	
	Step down transformer	V —	320 ⇒ 200	
	Transfer system motor	kW 1.0	2.2	
	Blower motor	kW 3.7	5.5×2	
	Bottom conveyer motor	kW 0.75	0.4×2	
	Top conveyer motor	kW —	0.75	
	Feed motor	kW 0.03	0.06×2 (200V)	
	Dust discharging motor	kW 0.06	—	
	Burner motor	kW 0.014	—	
	Burner fan motor	kW 0.095	—	
	Moisture meter motor	kW 0.008	0.008	
	Discharge shutter motor	kW 0.016	—	
	Controller	kW 0.02	0.035	
Full quantity sensor motor	kW —	0.004		
Maximum simultaneous use electric power	kW	5.593	14.917	
Performance	Grain filling time	Unhulled rice	min 44 to 49	82 to 87
		Wheat	min 44 to 45	82 to 87
	Discharge time	Unhulled rice	min 50 to 60	55 to 60
		Wheat	min 40 to 50	50 to 55
Moisture reduction rate per hour	Unhulled rice	%/h 0.5 to 1.0	0.5 to 0.7	
	Wheat	%/h 0.7 to 1.0	0.6 to 0.9	
Various devices	Control panel	Can control the following specifications. 1) Kerosene hot air burner (LST) 2) External heat source: Hot air (LST•AJP) 3) External heat source: Steam (LST) * Seed control selectable (LST)		
	Safety devices	Full quantity sensor Overload protection device Grain pressure sensor Circulation check sensor Wind pressure sensor Outdoor temperature sensor Hot air temperature sensor Grain temperature sensor Abnormal high temperature detection Fuse		
Other	Operation control system	Compensation control based on the outdoor temperature Automatic moisture detection shutoff control * Seed temperature limit control (LST)		
	Standard accessories	Automatic discharge shutter (LST•AJP) Exhaust air elbow (LST) Upper safety cage (LST) Elevator safety cage (AJP)		
	Optional accessories	Front filling hopper External heat source device Ladder (with safety cage)		

Appearance Drawing



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