

PADDY DRYER

NSDR12 / 15 / 20 / 30



NSDR20B

SATAKE CORPORATION

1. Automatic Control Software



Satake's Dryer is equipped with a full color touch panel with automatic control software.

The software is specially developed by Satake, and it provides full auto-matic drying operation to dry down the material to the target moisture with an ideal drying pattern to achieve the low crack rate after drying.

2. Single Grain Moisture Meter



High accuracy single grain moisture meter (Made in Japan) capable of continuously measuring every kernel. Measurement stability is immune to immature grains containing high moisture content. Any foreign materials ingress during measurement, are discharged automatically.

3. Outside Humidity Sensor



In addition to the existing outside temperature sensor, an outside humidity sensor is also available standard equipment to better monitor external factors and to calculate suitable drying speed.

PADDY DRYER

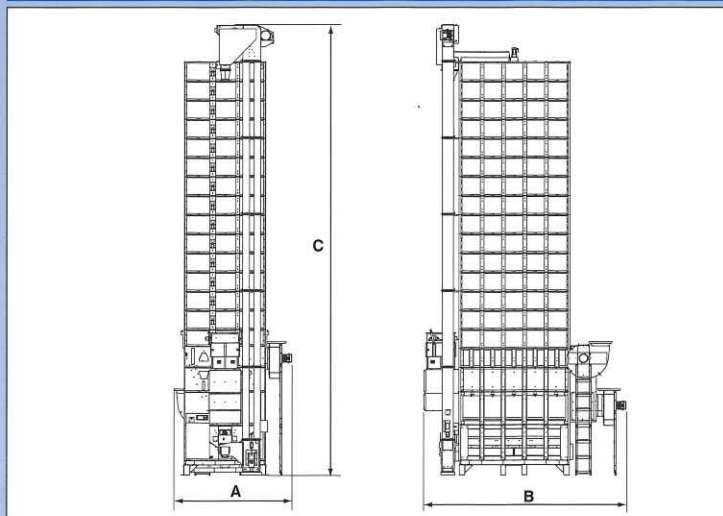
Specifications

Model	NSDR12	NSDR15	NSDR20	NSDR30
Material	Paddy, Wheat			
Holding Capacity / Batch (ton) *1	12	15	20	30
Performance	Loading (ton/Hr)	20		30
	Unloading (ton/Hr)	20		30
	Drying Rate (%/Hr) *2	Paddy 0.5 - 0.8 Wheat 0.5 - 0.8		
Heated Air Source	Equipment	Husk Burner, Steam Boiler		
	Fuel	Husk, Steam		
	Temperature Control	Automatic		
Ventilation Fan	Model	FR60		
	Type	Centrifugal Type		
Power Consumption	Voltage (V)	3 Phase 380-440		
	Ventilation Fan (kW)	5.5	11.0 (5.5 x 2)	16.5 (5.5 x 3)
	Lower Screw (kW)			1.5
	Upper Screw (kW)			0.75
	Bucket Elevator (kW)	2.2		3.7
	Dispenser (kW)			0.4
	Rotary Valve (kW)	0.2		
	Top Cleaner	0.18		
Safety Devices	Overload Thermal Relay			
	Grain Temperature Sensor			
	Alarm Detection Device			
	Seismic Equipment			
Control Method of Hot Air Temperature	Automatic			
Standard Equipment	Single Grain Moisture Meter			
	Full Color Touch Screen			
	Outside Temperature Sensor			
	Outside Humidity Sensor			
Optional Equipment	Ladder			
	Handrail			

*1 Volume weight of material is 560kg/m³.

*2 Drying rate will be lower than above number depending on material condition (moisture, foreign material contamination, variety), outside circumstance (outside temperature, outside humidity) and operating conditions (operation mode, installation site).

Dimensions



Model	A(mm)	B(mm)	C(mm)
NSDR12	2,442	4,276	8,886
NSDR15	2,650	4,877	8,360
NSDR20	2,650	4,877	10,480
NSDR30	3,360	5,750	12,500

All Satake products are the subject of continuous development and, as a result, their specification may change and differ in detail from those shown.

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ISO 9001 Certification
(Quality Management Systems)

ISO 14001 Certification
(Environmental Management Systems)

SATAKE CORPORATION has obtained
ISO9001 and ISO14001 certification.
These international standards for management
systems ensure Satake will continue to provide
high quality products and services.