

PADDY DRYER

NSDR30 Series



NSDR30B

SATAKE CORPORATION

PADDY DRYER

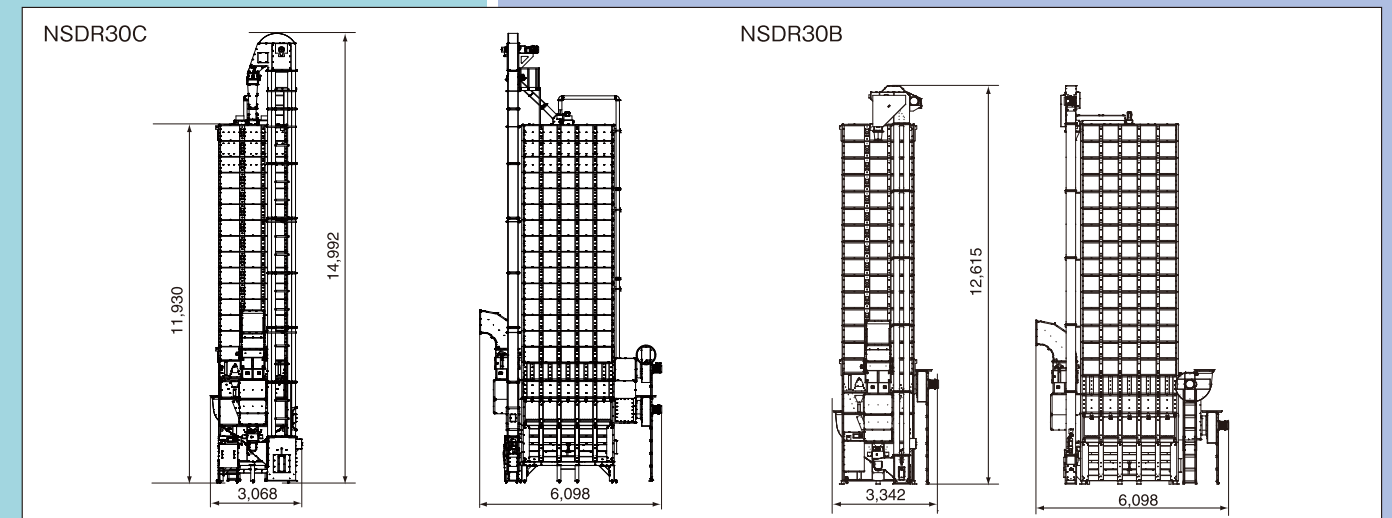
Specifications

Model		NSDR30	
Type		30 B / C	
Primary Material		Paddy, Wheat	
Holding Capacity / Batch		53.6 m ³	
		Paddy 3~30ton/Hr (in volume weight of material is 560kg/m ³) Wheat 3.6~30ton/Hr (in volume weight of material is 680kg/m ³)	
Performance	Loading	Paddy (ton/Hr)	30 *1
		Wheat (ton/Hr)	35 *1
	Unloading	Paddy (ton/Hr)	30 *1
		Wheat (ton/Hr)	35 *1
Drying Rate	Paddy (%/Hr)	0.3~0.8 *2	
	Wheat (%/Hr)	0.3~0.9 *2	
Heated Air Source	Equipment		Biomass Air-heating Furnace
	Fuel		Rice Husk (Coal)
	Temperature Control		Automatic
Ventilation Fan	Model		FR60
	Type		Centrifugal Type
Power Consumption	Voltage (V)		3 Phase 380V/400V/415V/440V
	Rated Output	Ventilation Fan (kW)	16.5 (5.5 x 3)
		Lower Screw (kW)	1.5
		Bucket Elevator (kW)	3.7
		Rotary Valve (kW)	0.2
		Disperser (kW)	0.4 / 0.75
Maximum Concurrent Usage of Power (kW)		22.3 / 22.65	
Equipment	Safety Devices		(1) Overload Thermal Relay, (2) Grain Temperature Sensor, (3) Abnormal Burning Detection Circuit, (4) Seismic Equipment, (5) Alarm Detecting and Stopping Device by Microcomputer
	Operating Control Method		Microcomputer Control (Control of Drying Speed or Temperature)
	Standard Equipment		(1) Automatic Moisture Sensor, (2) Full Quantity Sensor, (3) Cleaner, (4) Automatic Switch Valve for Unloading, (5) Touch-screen Control Panel, (6) Handrail, (7) Ladder
	Optional Equipment		(1) Hoppers (Lower Hopper, Upper Slot), (2) Emergency Stop Switch, (3) Touch-screen Remote Control Panel

*1 Performance will change depending on system design.

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

Dimensions (mm)



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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.

Satake AI Dryer <AI...Artificial Intelligence>

Satake has developed the concept of "Optimum Drying" in its pursuit of total Engineering for the Grain Process.



Optimum Drying

1. Achieve higher yield (Less cracks & uniform quality)
2. Rapid Drying (Quick input, operation & discharge)
3. Effective Drying (Energy & heat source saving)

Satake gives you the best solution in drying.

Problem

- Unevenness of moisture content
- Unchangeable hot air temperature
- Loss of quality & yield



Solution

AI

- Satake's original calibration formula
- Automatic control of hot air, circulation speed & air volume



Advanced Color Touch Screen

Easy Operation

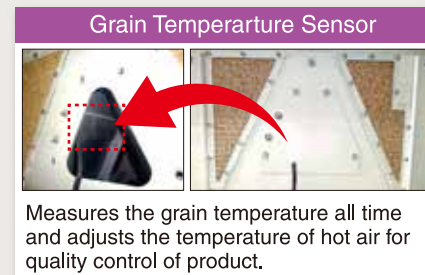


Drying Status

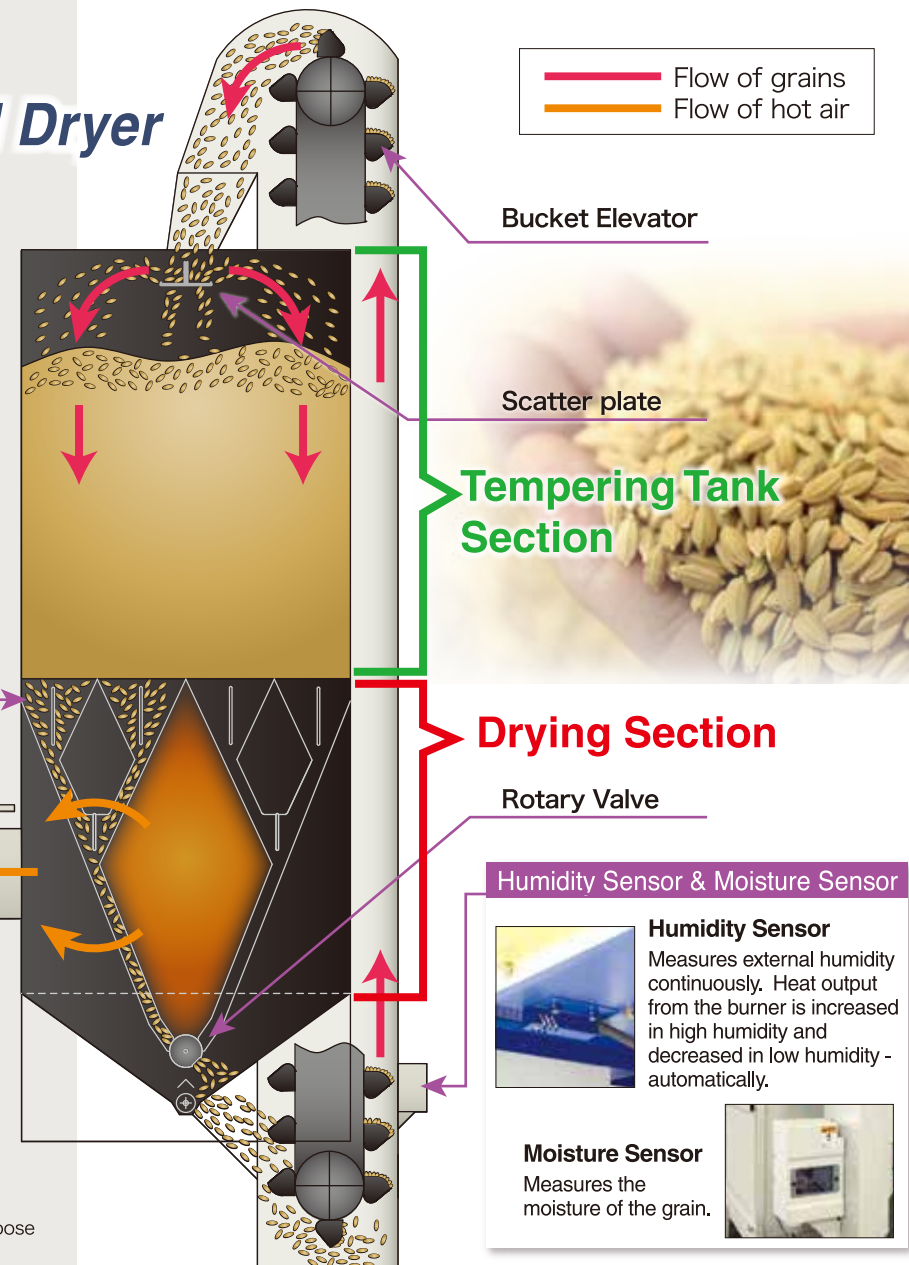


Mechanism of AI Dryer

Adoption of Multiple Sensors and Inverter allows for quality control and energy saving.



* Product image for illustration purpose only. Actual product may vary.



Option

