SUNCUE

Optional SUNCUE Grain Dryer Smart-Agri Monitoring System
Please Visit https://reurl.cc/8yMmKj

SUNCUE BIOMASS FURNACE

BB-18 · SB-40 · SB-80 · SB-130 · SB-200 · BF-130

Using rice husk as biomass fuel greatly reduces drying cost. Fuel is free if the rice husk is from your own rice mill.

The clean and genuine indirect hot air with automatic temperature control allows a low temp., even and fast drying. Reduces broken rice, improves milling yield and rice appearance.

Appraisals from worldwide users: the dried paddy is naturally fragrant and the rice tastes more tender. It is the real organic rice.

Foolproof design. Durable for heavy-duty and requires low maintenance. Allowing consistent high-quality rice from the 1st, 100th to 1000th batch.

Honor & Recognition of SUNCUE

Gold medal at the iENA 2012 in Nuremberg, Germany

World Genius Convention Special Genius Award

2013 in Tokyo, Japan Genius Gold Medal

Invention and Creation Awards of Taiwan-Contribution Award

Invention Award of Taiwan

TAIWAN EXCELLENCE 2021

TAIWAN EXCELLENCE 2021

BB-18 Auto ash discharge | SB-40 | SB-80 | SB-130 | SB-200 | BF-130

Item		Biomass Furnace		Rice Husk Furnace			
Model		BB-18		SB-40	SB-80	SB-130	SB-200
Max. Thermal Energy	Approx. Kcal/hr	180,000		380,000	800,000	1,300,000	2,000,000
Equivalent to Diesel Consumption Diesel thermal energy = approx. 8,400 Kcal/liter	Approx. liter/day	514		1,086	2,286	3,714	5,714
Husk Consumption Husk thermal energy = approx. 3,300 Kcal/kg	Approx. kg/day under max. combustion	1,824		3,072	6,480	10,080	17,280
Ash Discharge	Approx. kg/day under max. combustion	363		408	864	1,320	2,280
Reduction of CO_2 Emission	Approx. ton/day	1.3		2.8	5.9	9.6	14.7
Power Consumption	kW	Manual Ash Discharge 5.77	Auto Ash Discharge 6	5.48	10.5	16.75	27.5
Net Weight	Approx. in ton	Manual Ash Discharge 3.4	Auto Ash Discharge 4	10	17.4	21.1	36.4
Dimension	L×W×H mm	Manual Ash Discharge 3,521×2,048×4,885	Auto Ash Discharge 3,521×2,795×6,002	5,170×2,814×7,167	6,515×3,520×8,569	6,645×4,256×9,612	9,004×4,565×11,440
Furnace Connecting Capacity dryer tons	**Commercial Paddy**	12		18~36	42~96	78~150	224~240
	Paddy Seed, Wheat Seed	18~30		24~64	48~128	96~192	288~330
Safety Devices		Thermo Relay, Overheat Sensor, Control Fuse		Abnormal Combustion Sensor, Flame Sensor, Automatic Abnormal Safe Guard, Thermal Relay, Rotation Sensor, Control Fuse			

- Max. thermal energy, husk consumption and ash discharge production listed are for reference only. Actual data will differ upon variety, moisture content and impurity.
- The specification and graph are for reference only. Actual specification of SUNCUE product shall be based on the Sales Confirmation which customers sign and delivered products.
- The maximum heat output of each rice husk furnace is approximately 2.7 kg of CO_2 emission per liter of diesel with a running time of 24 hours per day as calculation basis. Actual values may vary due to the users' various using factors.

Item		Bag Filter
Model		BF-130
Dimension	L×W×H mm	3,389×3,209×8,592
Net Weight	Approx. kg	4,200
Voltage		3P, 220V/380V/415V/440V, 50/60Hz
Power Consumption	kW	0.95
Control		1. Overheat protection
		2. Overpressure alarm
		3. Auto-cleaning, auto ash discharge
Required Peripheral Equipment	**Air Compressing System**	1. Required air volume 720ℓ/hr
		2. Required power Approx. 10HP
		3. Air tank 600ℓ
	Exhaust Blower of Biomass Furnace	20HP

We appreciate all esteemed green enterprises for choosing SUNCUE's rice husk furnace: Environmentally-friendly, energy-saving, CO_2-reduction and earth-care!

Taiwan

Union Rice

Shiluo Agri-cooperative

Fanrong Rice Mill

Huatung Rice Mill

Mainland China

Shanghai Seed Company

Zhejiang Fuyichang Rice Mill

Hubei Yongsheng Rice Mill

Anhui Lianhe Rice Mill

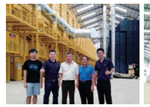
Asia, Europe, America

Japan

Korea

Philippines

Philippines



Indonesia

Indonesia

Cambodia

Cambodia

Myanmar

Myanmar

India

Vietnam

Dominican Republic

Ecuador

Bulgaria

Angola

Turkey

Peru

Paraguay

Nicaragua

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Service Center

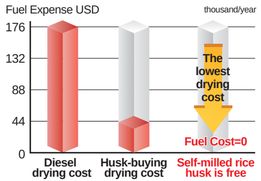
DSB-230901-EN

SUNCUE Energy Saving, Environmentally Friendly, Carbon Reduction

Energy Saving

- For example, assuming a rice mill's annual production is 10,000 tons, and 200,000 liters of diesel are needed for drying, which will cost up to USD$ 175,721 of fuel in 1 year.
- Buying husk for drying, the drying cost will only be the one-fifth of the diesel cost. If self-milled free husk is used, the fuel cost will be 0.

*The diesel price shown here is CPC's diesel price as of June 5th, 2023, which is about USD$ 0.88 per liter.

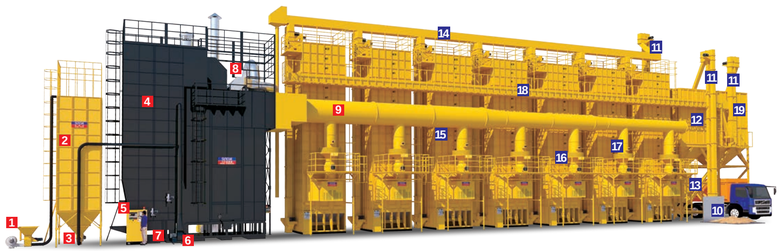


Environmentally Friendly & Carbon Reduction

- Annually reduce 540 tons of CO_2 emission, which equal to the volume that a 27 hectares of forest can absorb.

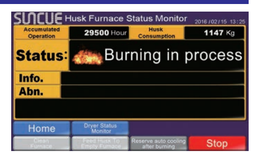
Exclusively Patented in Taiwan, USA, Japan, Korea, China, Southeast Asia…etc.

Rice Husk Furnace Drying Complex



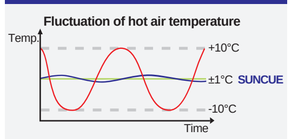
1 Husk Tank Feeder
2 Husk Tank
3 Husk Feeder
4 Rice Husk Furnace SB-200
5 Main Control Box
6 Auxiliary Air Blower
7 Auto Ash Discharger
8 Cyclone
9 Hot Air Duct
10 Dumping Pit
11 Bucket Elevator
12 Wet Grain Silo
13 Precleaner
14 Loading Chain Conveyor
15 32-ton husk type grain dryer
16 Micro Air Adjuster
17 Hot Air Damper
18 Unloading Chain Conveyor
19 Dry Grain Silo

Easy operation-One operator can manage thousands of tons of grains per day



- Can connect multiple dryers. Allows different temperature settings on each dryer. Capable of maintaining constant temperature according to settings on each dryers.
- Simple interface, simultaneously control multiple dryers at constant temperature. Fool-proof design, the management requires no professional technician.

Constant hot air temperature



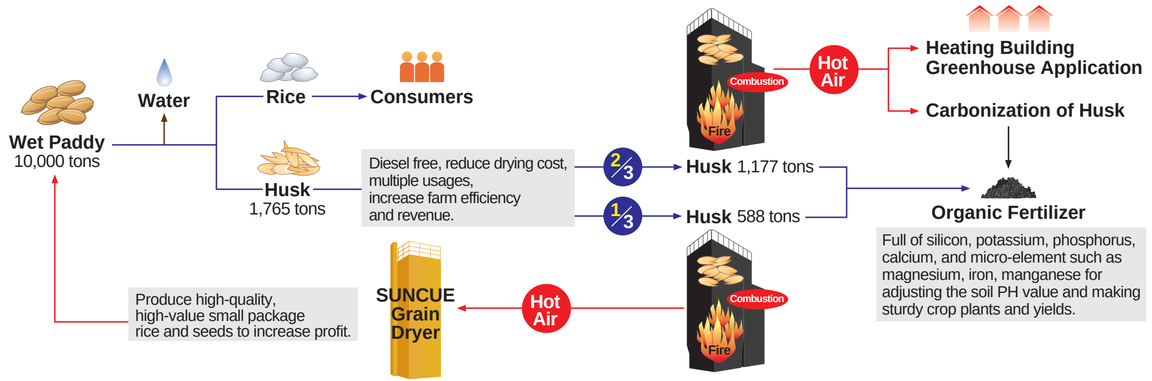
- Hot air temperature is controlled precisely within ±1°C.

SUNCUE's unique patented completed combustion technology

Consume the lowest quantity of paddy husk while produce maximum thermal energy.

Paddy husk from 1 hectare of farm can dry approximately 3 hectares of wet paddy.
Paddy husk from 1 ton of wet paddy can dry approximately 3 tons of wet paddy.

Recycling in the eco-system & Endless care for the Earth



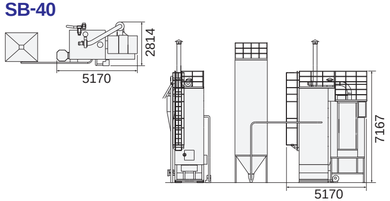
The only choice for producing best quality small-package rice with the lowest cost

Low Drying Cost	Significantly reduces drying cost! You're no longer at the mercy of rising oil prices.
Easy Management	Automatic computerized control, fool-proof design, easy operation.
Best Rice Quality	Drying at constant temperature produces the most high-quality rice, paddy seeds and wheat seeds.
High Selling Price	Indirect and clean hot-air at low temperature can produce the sanitary, reliable of small package rice. Selling price will be high.

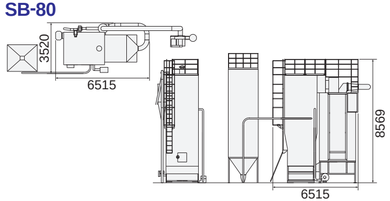
Dimension

Unit mm

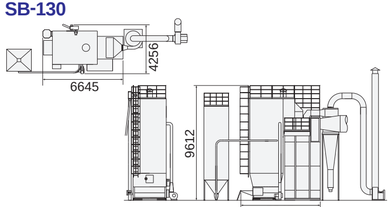
SB-40



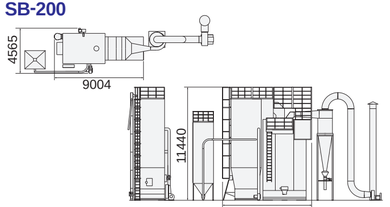
SB-80



SB-130



SB-200



BF-130 Features

Full Automation
Fully automatic control technology with automatic ash cleaning control and foolproof design.

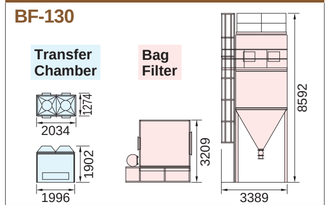
High Efficiency
This efficiently collects dust particle and pollutant, making the exhaust clean and reducing pollution.

High Performance
Designed exclusively for SUNCUE biomass furnace to reach full performance.

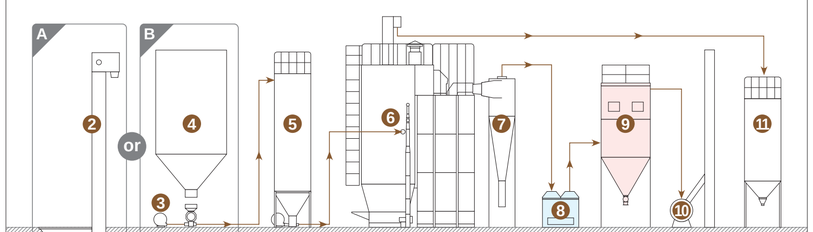
Dimension

Unit mm

BF-130



Process



① Wet Paddy Loading Chute
② Bucket Elevator
③ Husk Blower
④ Pre Husk Tank
⑤ Husk Tank
⑥ Husk Furnace
⑦ Cyclone
⑧ Transfer Chamber
⑨ Bag Filter
⑩ Exhaust Fan
⑪ Ash Tank