

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

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.



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

| Item | Model | Biomass Furnace | | Rice Husk Furnace | | | |
|---------------------------------------|--------------------------------------|---|-------------------|---|-------------------|-------------------|--------------------|
| | | BB-18 | SB-40 | SB-80 | SB-130 | SB-200 | SB-200 |
| Max. Thermal Energy | Approx. Kcal/hr | 180,000 | 380,000 | 800,000 | 1,300,000 | 2,000,000 | |
| Equivalent to Diesel Consumption | Approx. liter/day | 514 | 1,086 | 2,286 | 3,714 | 5,714 | |
| Husk Consumption | 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 | 5.77 | 6 | 10.5 | 16.75 | 27.5 | |
| | Manual Ash Discharge | 3.4 | 4 | 17.4 | 21.1 | 36.4 | |
| Net Weight | Approx. in ton | 12 | 18~36 | 42~96 | 78~150 | 224~240 | |
| | LxWxH mm | 3,521x2,048x4,885 | 3,521x2,795x6,002 | 5,170x2,814x7,167 | 6,515x3,520x8,569 | 6,645x4,256x9,612 | 9,004x4,565x11,440 |
| Furnace Connecting Capacity | 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 | | | |

| Item | Model | Bag Filter | |
|-------------------------------|-----------------------------------|--------------------------------------|--------|
| | | BF-130 | BF-130 |
| Dimension | LxWxH mm | 3,389x3,209x8,592 | |
| 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 | |
| | Exhaust Blower of Biomass Furnace | 2. Required power Approx. 10HP | |
| | | 3. Air tank 600ℓ | |
| | | 20HP | |

• 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 CO₂ 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.

We appreciate all esteemed green enterprises for choosing SUNCUE's rice husk furnace: Environmentally-friendly, energy-saving, CO₂-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

SUNCUE Energy Saving, Environmentally Friendly, Carbon Reduction

Energy Saving

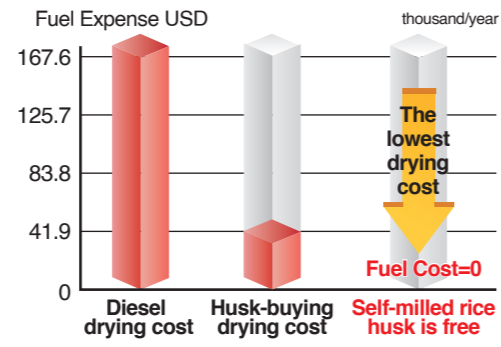
For example, assuming a rice mill's annual production is 10,000 tons, and 200,000 liters of diesel are needed for drying, which will cost up to USD\$ 167,643 of fuel in 1 year.

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 March 17th, 2025, which is about USD\$ 0.84 per liter.

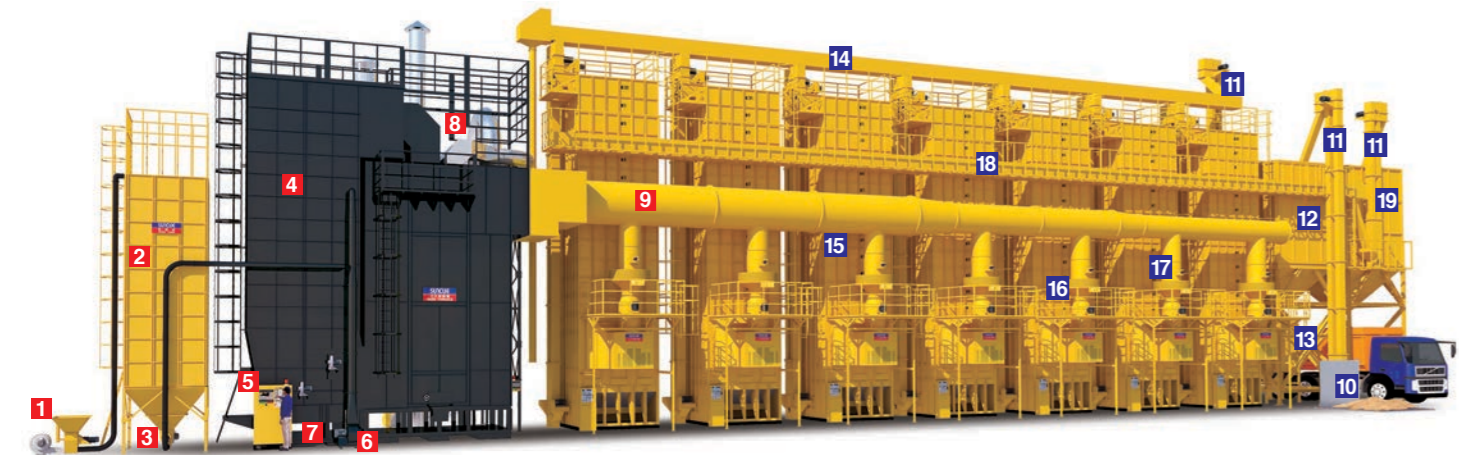
Environmentally Friendly & Carbon Reduction

Annually reduce 540 tons of CO₂ emission, which equal to the volume that a 36 hectares of forest can absorb.



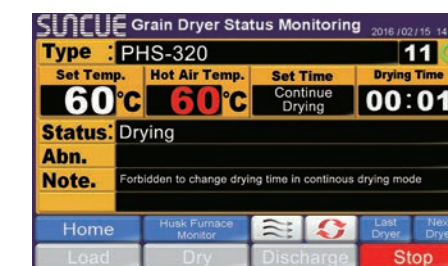
Exclusively Patented in Taiwan, USA, Japan, Korea, China, Southeast Asia...etc.

Rice Husk Furnace Drying Complex

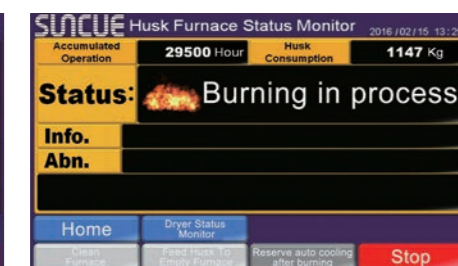


- | | | | | |
|----------------------------|------------------------|--------------------|---------------------------------|-----------------------------|
| 1 Husk Tank Feeder | 5 Main Control Box | 9 Hot Air Duct | 13 Precleaner | 17 Hot Air Damper |
| 2 Husk Tank | 6 Auxiliary Air Blower | 10 Dumping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

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.



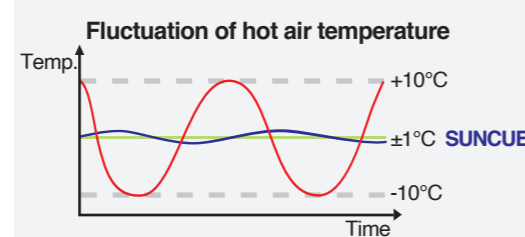
Simple interface, simultaneously control multiple dryers at constant temperature. Fool-proof design, the management requires no professional technician.

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.

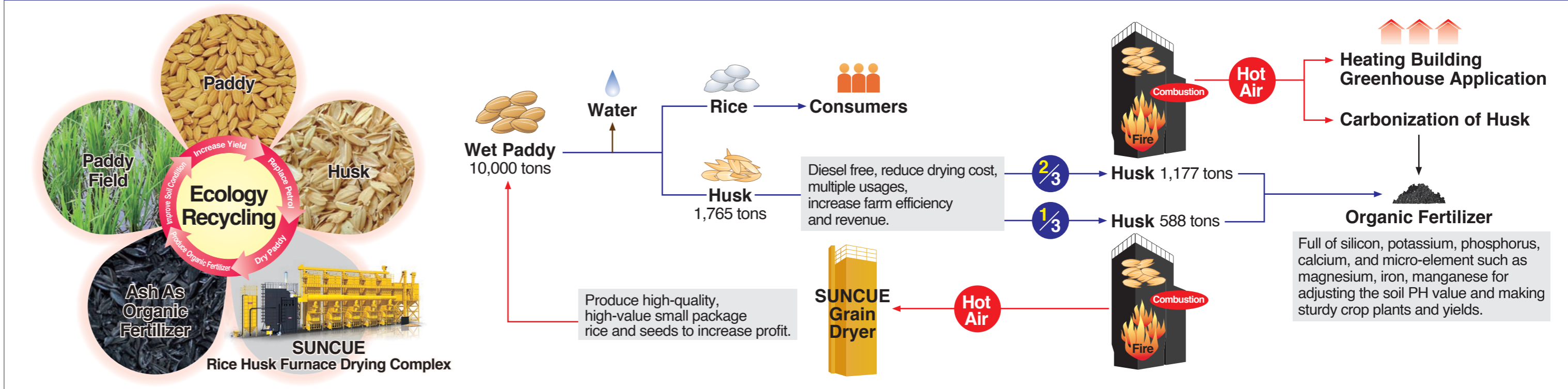
Constant hot air temperature



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



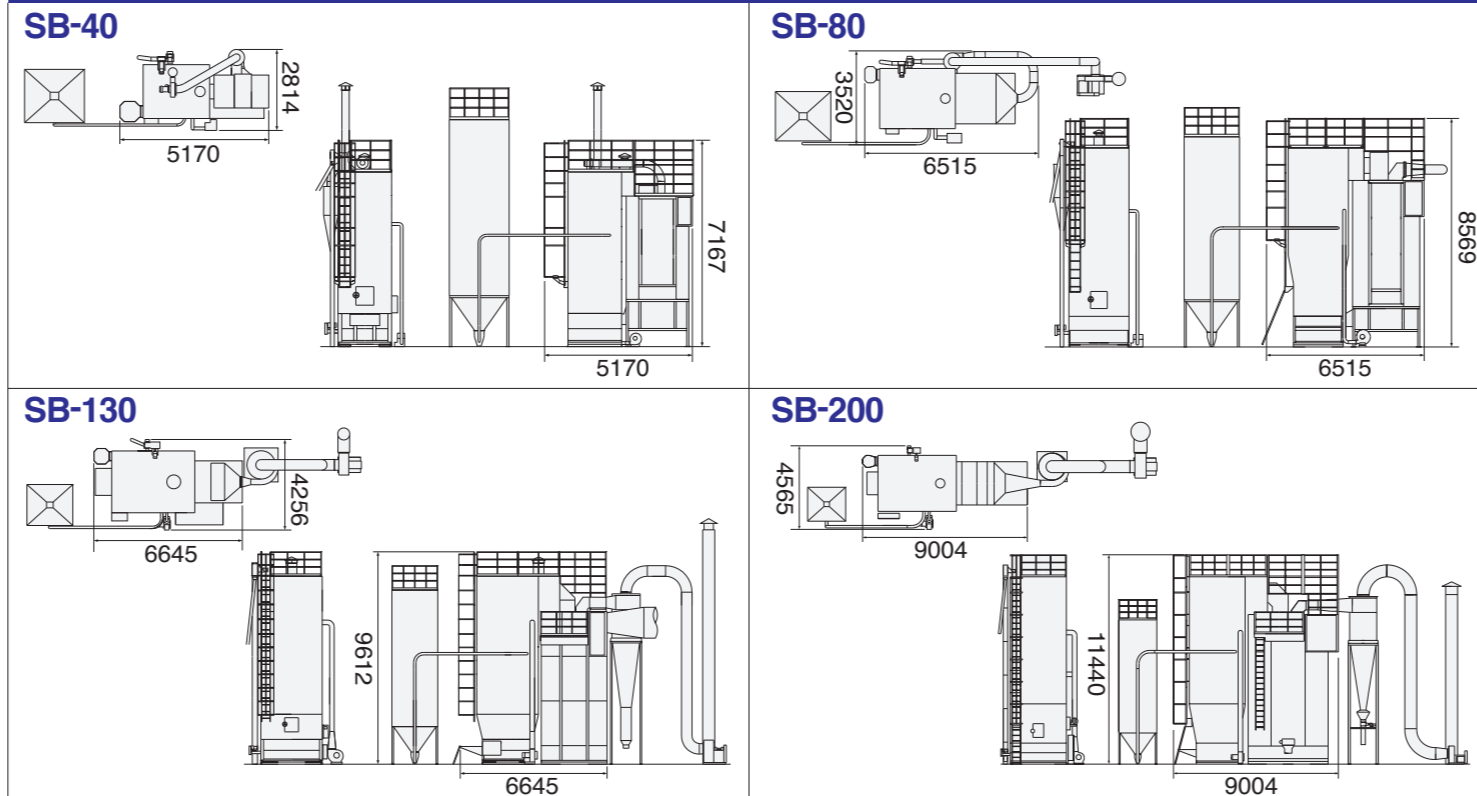
Recycling in the eco-system & Endless care for the Earth



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.

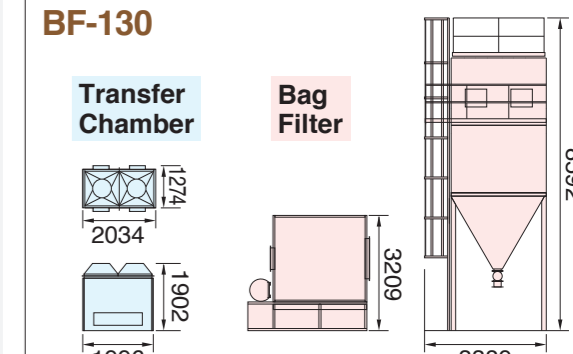
Dimension Unit mm



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



Process

