SUNCUE®

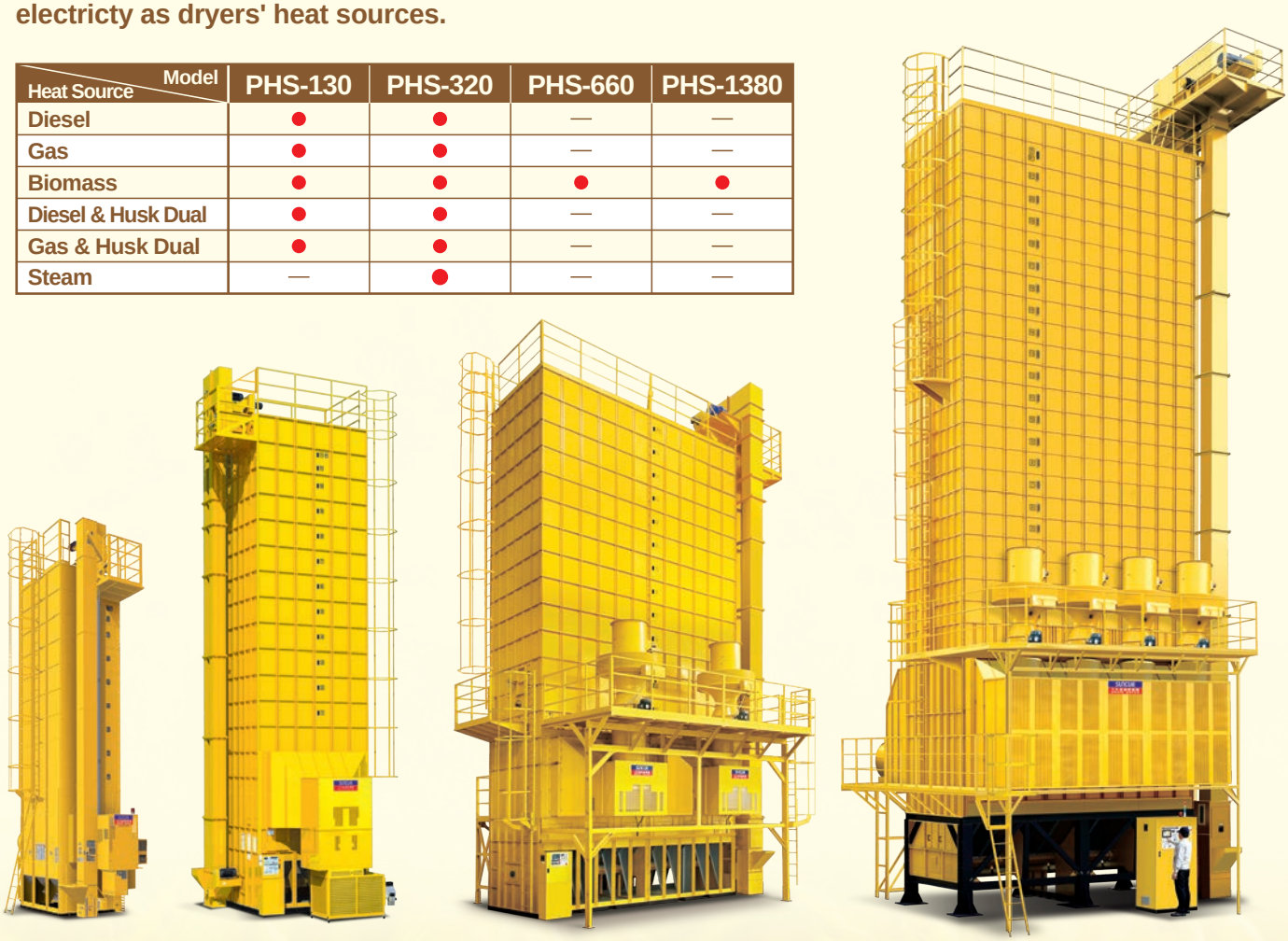
Optional SUNCUE Grain Dryer Smart-Agri Monitoring System
Please Visit https://reurl.cc/8yMmKj

SUNCUE CIRCULATING GRAIN DRYER

PHS-130 · PHS-320 · PHS-660B · PHS-1380B

- The low-temp., even and speedy drying minimizes broken rice, raises milling rate and produces beautiful rice.
- The entire dryer is designed to be strong and sturdy, making it suitable for heavy-duty.
- With foolproof design, users can produce high-quality rice from the 1st, 100th to 1000th batch. Small-package rice consistent in quality will be available to customers.
- Automatic moisture control prevents over-drying and weight loss.
- By using self-milled free rice husk, users no longer need to spend on diesel, natural gas or electricty as dryers' heat sources.

Model / Heat Source	PHS-130	PHS-320	PHS-660	PHS-1380
Diesel	●	●	—	—
Gas	●	●	—	—
Biomass	●	●	●	●
Diesel & Husk Dual	●	●	—	—
Gas & Husk Dual	●	●	—	—
Steam	—	●	—	—



PHS-130 PHS-320 PHS-660B PHS-1380B

HONOR & RECOGNITION OF SUNCUE

Gold medal at the iENA 2012 in Nuremberg, Germany

World Genius Convention 2013 in Tokyo, Japan
Special Genius Award Genius Gold Medal

Invention and Creation Awards of Taiwan-Contribution Award

Invention Award of Taiwan

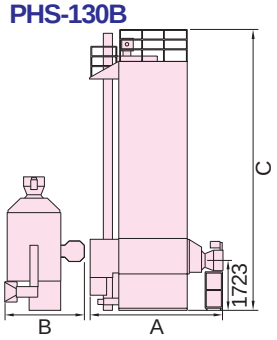
TAIWAN EXCELLENCE 2021

TAIWAN EXCELLENCE 2021

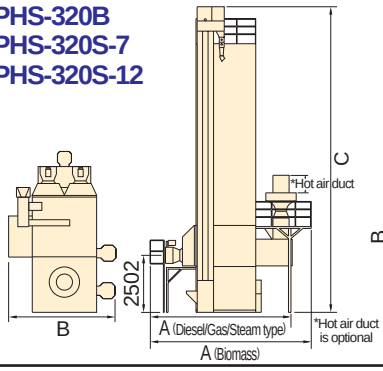
DIMENSIONS

Unit mm

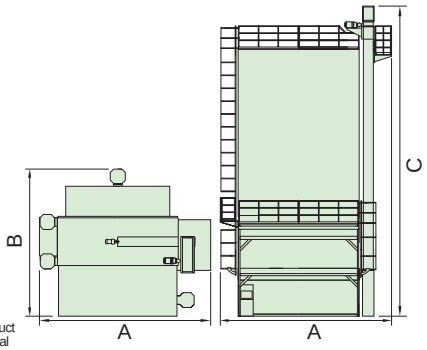
PHS-130
PHS-130G
PHS-130B



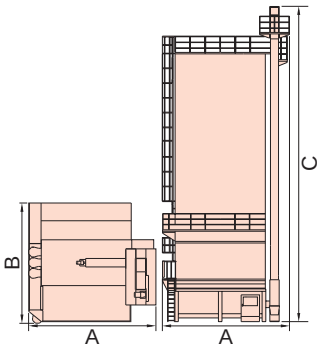
PHS-320
PHS-320G
PHS-320B
PHS-320S-7
PHS-320S-12



PHS-660B



PHS-1380B



SPECIFICATIONS

Item \ Model		PHS-130	PHS-320	PHS-130G		PHS-320G	
Heat Source		**Kerosene** or **Premium Diesel***		**LPG**	**NG**	**LPG**	**NG**
Combustion Approx. liter/hr		8.8~17.5	17.5~35	Max.16.6 kg/hr ≒233kW	Max. 18.2 m³/hr ≒233kW	Max. 41.6 kg/hr ≒450kW	Max. 45.5 m³/hr ≒450kW
Type		Gun type	Gun type	Gun type		Gun type	
Capacity Approx. kg	**Paddy** 1 liter=560g	3,600~13,000	7,800~32,000	3,600~13,000		7,800~32,000	
	Wheat 1 liter=680g	4,370~15,780	9,600~38,800	4,370~15,780		9,600~38,800	
	Corn, Animal Feed 1 liter=690g	4,440~16,000	9,600~39,400	4,440~16,000		9,600~39,400	
Dimension L(A)×W(B)×H(C)mm		4,308×2,755×9,698	5,871×4,871×13,410	4,308×2,755×9,698		5,871×4,871×13,410	
Net Weight Approx. kg		2,840	6,360	2,840		6,360	
Power Consumption kW		6.53	13.5	6.68		13.8	
Function Paddy	**Loading** Approx. mins	40	55	40		55	
	Discharging Approx. mins	35	50	35		50	
	Drying Rate %/hr	0.5~1.5					
Electricity		3P, 220V/380V/415V/440V, 50/60Hz					
Safety Devices		Thermo-over relay, Air pressure switch, Full load buzzer, Timer, Control fuse, Rotary valve sensor, Burner flame sensor, Over-heat sensor					

Item \ Model		PHS-130B	PHS-320B	PHS-660B	PHS-1380B	PHS-320S-7	PHS-320S-12
Heat Source		SUNCUE Biomass Furnace BB-18, Rice Husk Furnace SB		SUNCUE Rice Husk Furnace SB-130 / SB-200		Steam	
Capacity Approx. kg	**Paddy** 1 liter=560g	3,600~13,000	7,800~32,000	16,000~66,000	30,000~138,000	7,800~32,000	
	Wheat 1 liter=680g	4,370~15,780	9,600~38,800	19,500~80,100	37,000~138,000	9,600~38,800	
	Corn, Animal Feed 1 liter=690g	4,440~16,000	9,600~39,400	19,700~81,300	37,540~138,000	9,600~39,400	
Dimension L(A)×W(B)×H(C)mm		4,532×2,755×9,698	6,671×4,871×13,410	8,124×6,969×14,703	8,610×8,134×21,345	5,497×4,871×13,410	5,846×4,871×13,410
Net Weight Approx. kg		2,950	6,600	15,400	25,000	6,465	6,530
Required Thermal Energy per unit	**Paddy, Wheat** Approx. Kcal/hr	35,000~135,000 Ambient Temp. +10~40°C	83,000~330,000 Ambient Temp. +10~40°C	176,000~705,000 Ambient Temp. +10~40°C	360,000~1,230,000 Ambient Temp. +10~35°C	Applicable Region: Regular	Cold
						Applicable Grains: Paddy, Wheat	Paddy, Wheat, Corn
						Temperature Increase Range Ambient Temp.: +15~45°C	+15~70°C
	Corn, Animal Feed Approx. Kcal/hr	220,000 Ambient Temp. +65°C	560,000 Ambient Temp. +65°C	1,190,000 Ambient Temp. +65°C	2,000,000 Ambient Temp. +52°C	Boiler Capacity Approx. ton/hr: 1.2	2.4
						Boiler Pressure Approx. kg/cm²: 7	
Power Consumption kW		7.98	16.84	40.1	79.6	13.1	
Function Paddy	**Loading** Approx. mins	40	55	57	70	55	
	Discharging Approx. mins	35	50	52	70 Bucket elevator capacity: 120 tons/hr	50	
	Drying Rate %/hr	0.5~1.5			0.6~1.0	0.5~1.5	
Electricity		3P, 220V/380V/415V/440V, 50/60Hz					
Safety Devices		Thermo-over relay, Air pressure switch, Full load buzzer, Timer, Control fuse, Rotary valve sensor					

- Above numbers and drying rate are derived from reducing moisture in paddy from 26% to 15%, wheat/corn from 30% to 12.5% ─ for reference only. Actual results vary among different ambient temperature, relative humidity, grain varieties, hot air temperature, moisture content before and after drying.
- Please apply low hot air temperature for drying paddy to prevent high breakage rate.
- Gas pipe lines have to be built by certified local professionals. NEVER do it by yourself.
- The required thermal energy is for reference only. Actual data will differ among grain variety, impurity rate, and drying condition.
- Diesel/Rice Husk & Gas/Rice Husk Duel-type are made to order.
- 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. *Use high-quality kerosene or premium diesel only.
- The specifications of burner shown above are Japanese standard (Thermal energy: NG 11,000 Kcal/m³; LPG 12,000 Kcal/kg). Please consult with SUNCUE for burner with CE standard.
- The density, composition and pressure of natural gas vary at different locations, thus thermal energy per m³ also varies. Ex: 8,900 Kcal/m³ in Taiwan, 11,000 Kcal/m³ in Japan, 8,400 Kcal/m³ in Sichuan province of China.

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Service Center