

# SUNCUE CIRCULATING GRAIN DRYER

**SUPER-60 · SUPER-120 · SUPER-300 · SUPER-600B**

The low-temp., even and speedy drying minimizes broken rice, raises milling rate and produces beautiful rice.

Parts being worn by paddy are made of **Stainless Steel**, making a long-term professional use dryer.

The dryer is equipped with foolproof design. The rice quality will be consistently high from the 1st, 100th and 1000th batch.

Automatic moisture control prevents over-drying.

Rice husk as a biomass fuel option minimizes drying cost.

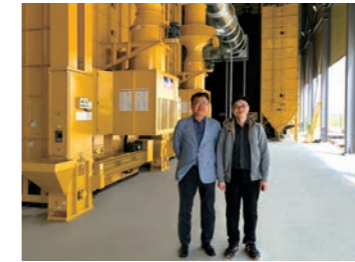


Heat source	Model	SUPER-60	SUPER-60-72	SUPER-60-85	SUPER-120-110	SUPER-120	SUPER-300-200	SUPER-300-240	SUPER-300	SUPER-600
Diesel		●	●	●	●	●	●	●	●	—
Gas		●	●	●	●	●	●	●	●	—
Biomass		●	●	●	●	●	●	●	●	●
Diesel & Husk Dual		—	—	—	—	—	●	●	●	—
Steam		—	—	—	●	●	●	●	—	—

## SUNCUE AROUND THE WORLD



Japan



Korea



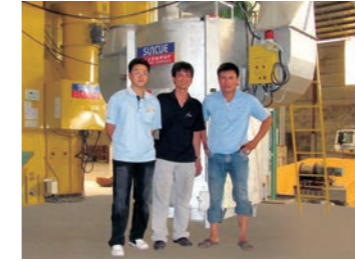
Italy



China



Taiwan



Vietnam



Indonesia



India



Cambodia



Philippines



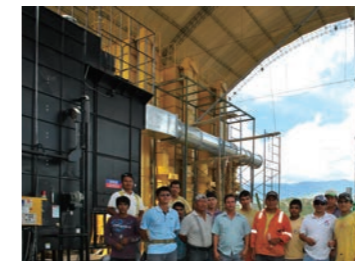
Turkey



Ecuador



Paraguay



Peru



Dominican Republic



Angola



Bulgaria



North Korea



Bolivia



Laos



Myanmar



Thailand

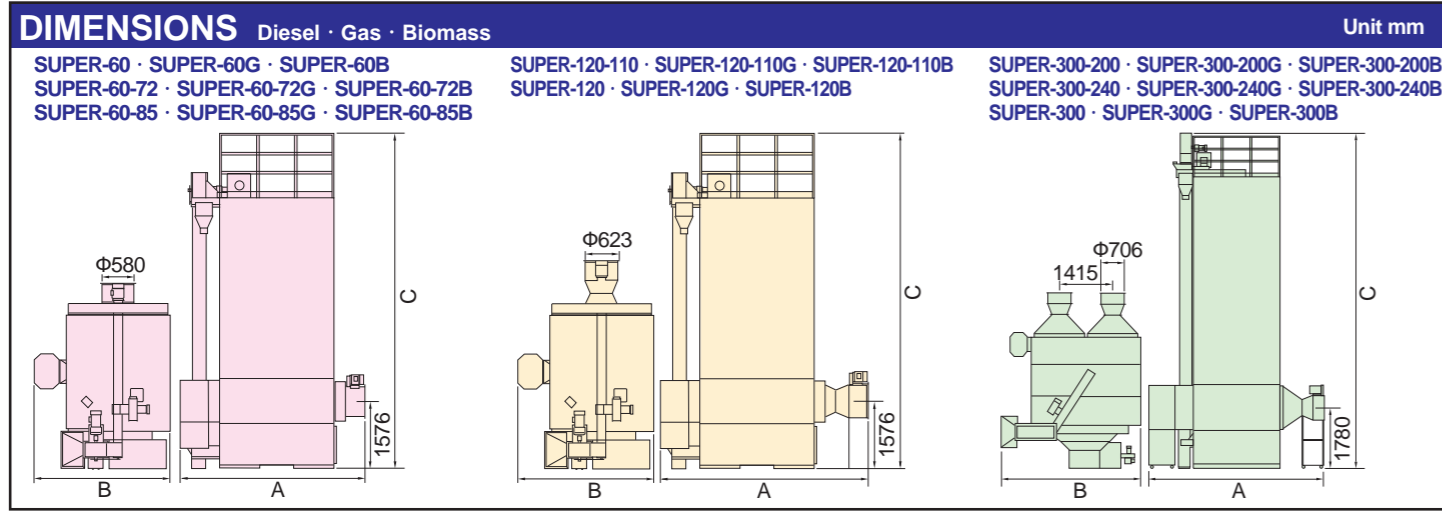


Nicaragua



Iran



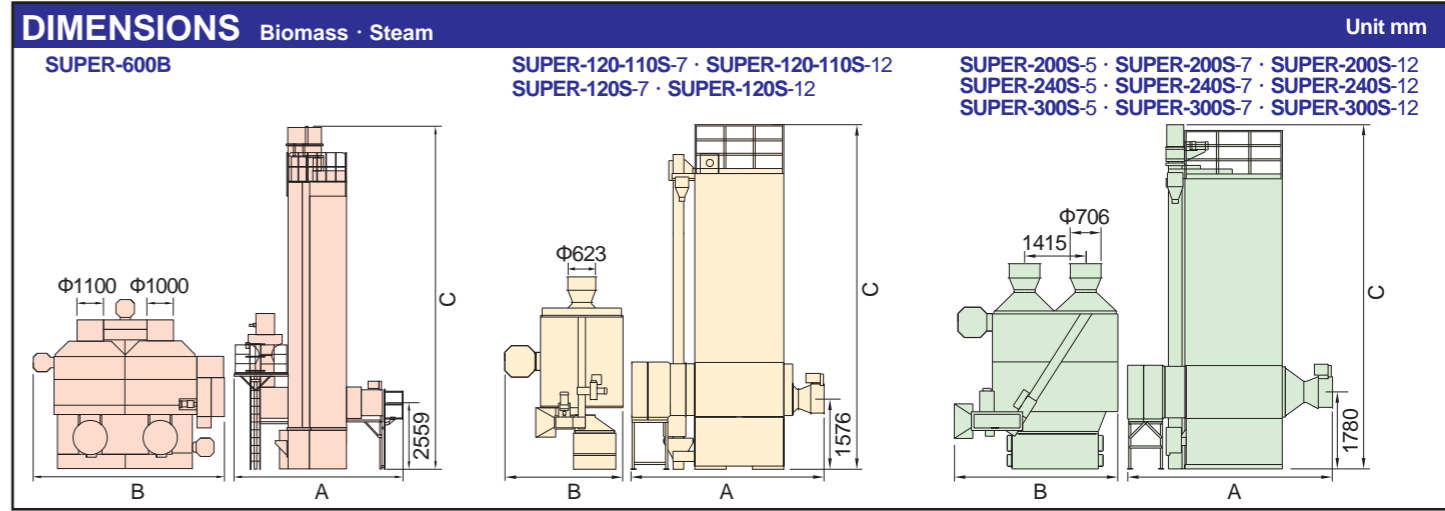


**SPECIFICATIONS** Diesel · Gas

Item	Model	SUPER-60	SUPER-60-72	SUPER-60-85	SUPER-120-110	SUPER-120	SUPER-300-200	SUPER-300-240	SUPER-300	
Heat Source		Kerosene or Premium Diesel								
Type		Gun type								
Max. Combustion	Approx. liter/hr	11			14.5		35			
Capacity	Paddy	1 liter=560g	2,500~6,000	2,500~7,230	2,500~8,450	2,800~10,800	2,800~12,000	4,000~20,000	4,000~24,000	4,000~30,000
	Wheat	1 liter=680g	3,035~7,285	3,035~8,780	3,035~10,260	3,400~13,110	3,400~14,550	5,000~24,200	5,000~29,100	5,000~36,400
	Corn Animal feed	1 liter=690g	3,080~7,390	3,080~8,900	3,080~10,410	3,450~13,300	3,450~14,760	5,000~24,600	5,000~29,500	5,000~36,900
Dimension	L(A)×W(B)×H(C)mm	3,270×2,660×6,220	3,270×2,660×6,831	3,270×2,660×7,442	3,609×2,660×8,991	3,609×2,660×9,602	4,786×3,786×9,185	4,786×3,786×10,407	4,786×3,786×11,629	
Net Weight	Approx. kg	1,785	1,874	1,963	2,205	2,290	4,550	4,850	5,150	
Electricity		1P/3P, 220V/380V/415V/440V, 50/60Hz			3P, 220V/380V/415V/440V, 50/60Hz					
Power Consumption	kW	1P:3.1		3P:4.07		6.3		13.45		
Function Paddy	Loading	Approx. mins	30	36	43	55	60	48	58	65
	Discharging	Approx. mins	41	50	58	52	58	48	58	70
	Drying Rate	%/hr	0.5~1.5							
Safety Devices		Thermo-over relay, Air pressure switch, Full load buzzer, Timer, Flame sensor, Control fuse, Abnormal combustion sensor								

Item	Model	SUPER-60G	SUPER-60-72G	SUPER-60-85G	SUPER-120-110G	SUPER-120G	SUPER-300-200G	SUPER-300-240G	SUPER-300G						
Heat Source		LPG	NG	LPG	NG	LPG	NG	LPG	NG	LPG	NG	LPG	NG	LPG	NG
Max. Combustion	Approx.	12.6 kg/hr ≒174 kW	13.6 m³/hr ≒174 kW	12.6 kg/hr ≒174 kW	13.6 m³/hr ≒174 kW	12.6 kg/hr ≒174 kW	13.6 m³/hr ≒174 kW	16.6 kg/hr ≒233 kW	18.2 m³/hr ≒233 kW	16.6 kg/hr ≒233 kW	18.2 m³/hr ≒233 kW	41.6 kg/hr ≒581 kW	45.5 m³/hr ≒581 kW	41.6 kg/hr ≒581 kW	45.5 m³/hr ≒581 kW
Type		Gun type													
Capacity	Paddy	1 liter=560g	2,500~6,000	2,500~7,230	2,500~8,450	2,800~10,800	2,800~12,000	4,000~20,000	4,000~24,000	4,000~30,000					
	Wheat	1 liter=680g	3,035~7,285	3,035~8,780	3,035~10,260	3,400~13,110	3,400~14,550	5,000~24,200	5,000~29,100	5,000~36,400					
	Corn Animal feed	1 liter=690g	3,080~7,390	3,080~8,900	3,080~10,410	3,450~13,300	3,450~14,760	5,000~24,600	5,000~29,500	5,000~36,900					
Dimension	L(A)×W(B)×H(C)mm	3,317×3,232×6,220	3,317×3,232×6,831	3,317×3,232×7,442	3,685×3,250×8,991	3,685×3,250×9,602	4,786×4,112×9,185	4,786×4,112×10,407	4,786×4,112×11,629						
Net Weight	Approx. kg	1,785	1,874	1,963	2,205	2,290	4,550	4,850	5,150						
Electricity		3P, 220V/380V/415V/440V, 50/60Hz													
Power Consumption	kW	1P:3.3		3P:4.25		6.4		13.8							
Function Paddy	Loading	Approx. mins	30	36	43	55	60	48	58	65					
	Discharging	Approx. mins	41	50	58	52	58	48	58	70					
	Drying Rate	%/hr	0.5~1.5												
Safety Devices		Thermo-over relay, Air pressure switch, Full load buzzer, Timer, Flame sensor, Control fuse, Abnormal combustion 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. • 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. • Gas pipe lines have to be built by certified local professionals. NEVER do it by yourself.



**SPECIFICATIONS** Biomass · Steam

Item	Model	SUPER-60B	SUPER-60-72B	SUPER-60-85B	SUPER-120-110B	SUPER-120B	SUPER-300-200B	SUPER-300-240B	SUPER-300B	SUPER-600B	
Heat Source		SUNCUE Biomass Furnace BB-18 Rice Husk Furnace SB-40 / SB-80			SUNCUE Biomass Furnace BB-18 Rice Husk Furnace SB-40 / SB-80 / SB-130		SUNCUE Biomass Furnace BB-18 for seeds Rice Husk Furnace SB		SUNCUE Rice Husk Furnace SB-130		
Capacity	Paddy	1 liter=560g	2,500~6,000	2,500~7,230	2,500~8,450	2,800~10,800	2,800~12,000	4,000~20,000	4,000~24,000	4,000~30,000	
	Wheat	1 liter=680g	3,035~7,285	3,035~8,780	3,035~10,260	3,400~13,110	3,400~14,550	5,000~24,200	5,000~29,100	5,000~36,400	
	Corn Animal feed	1 liter=690g	3,080~7,390	3,080~8,900	3,080~10,410	3,450~13,300	3,450~14,760	5,000~24,600	5,000~29,500	5,000~36,900	
Dimension	L(A)×W(B)×H(C)mm	3,754×2,660×6,220	3,754×2,660×6,831	3,754×2,660×7,442	4,089×2,660×8,991	4,089×2,660×9,602	4,999×3,786×9,185	4,999×3,786×10,407	4,999×3,786×11,629	7,386×6,502×13,799	
Net Weight	Approx. kg	1,955	2,044	2,133	2,375	2,460	4,550	4,900	5,200	11,955	
Required Thermal energy	Paddy · Wheat Approx. Kcal/hr	25,000~100,000 Ambient Temp. +10~40°C			32,000~130,000 Ambient Temp. +10~40°C		65,000~260,000 Ambient Temp. +10~40°C		150,000~600,000 Ambient Temp. +10~40°C		
	Corn · Animal feed Approx. Kcal/hr	30,000~180,000 Ambient Temp. +10~60°C			38,000~230,000 Ambient Temp. +10~60°C		75,000~450,000 Ambient Temp. +10~60°C		175,000~1,060,000 Ambient Temp. +10~60°C		
Electricity		3P, 220V/380V/415V/440V, 50/60Hz									
Power Consumption	kW	5.5			7.75		16.75		33.4		
Function Paddy	Loading	Approx. mins	30	36	43	55	60	48	58	65	85
	Discharging	Approx. mins	31	50	58	52	58	48	58	70	72
	Drying Rate	%/hr	0.5~1.5								
Safety Devices		Thermo-over relay, Air pressure switch, Full load buzzer, Timer, Control fuse									

Item	Model	SUPER-120-110S-7	SUPER-120-110S-12	SUPER-120S-7	SUPER-120S-12	SUPER-200S-5	SUPER-200S-7	SUPER-200S-12	SUPER-240S-5	SUPER-240S-7	SUPER-240S-12	SUPER-300S-5	SUPER-300S-7	SUPER-300S-12	
Heat Source		Steam													
Capacity	Paddy	1 liter=560g	2,800~10,800	2,800~12,000	4,000~20,000	4,000~24,000	4,000~30,000								
	Wheat	1 liter=680g	3,400~13,110	3,400~14,550	5,000~24,200	5,000~29,100	5,000~36,400								
	Corn Animal feed	1 liter=690g	3,450~13,300	3,450~14,760	5,000~24,600	5,000~29,500	5,000~36,900								
Dimension	Overall Length(A)	3,971	4,321	3,971	4,321	4,302	4,395	4,745	4,302	4,395	4,745	4,302	4,395	4,745	
	Overall Width (B)	2,660	2,660	3,786	3,786	3,786									
	Overall Height (C)	8,991	9,602	9,185	10,407	11,629									
Applicable region		Regular	Cold, Frigid	Regular	Cold, Frigid	Regular	Cold	Frigid	Regular	Cold	Frigid	Regular	Cold	Frigid	
Applicable grains		Paddy Wheat	Paddy Wheat Maize	Paddy Wheat	Paddy Wheat Maize	Paddy, Wheat	Paddy Wheat Maize	Paddy, Wheat	Paddy Wheat Maize	Paddy, Wheat	Paddy Wheat Maize	Paddy, Wheat	Paddy Wheat Maize		
Temp. increase range	Ambient Temp.	+26~50°C	+16~76°C	+26~50°C	+16~76°C	+25~42°C	+41~71°C	+21~86°C	+25~42°C	+41~71°C	+21~86°C	+25~42°C	+41~71°C	+21~86°C	
Boiler capacity	Approx. ton/hr	0.6	0.8	0.6	0.8	1.0	1.8	2.2	1.0	1.8	2.2	1.0	1.8	2.2	
Net Weight	Approx. kg	2,368	2,473	2,453	2,558	4,610	4,665	4,820	4,910	4,965	5,120	5,210	5,265	5,420	
Boiler pressure	Approx. kg/cm²	7													
Electricity		3P, 220V/380V/415V/440V, 50/60Hz													
Power Consumption	kW	6.25			13.1										
Function Paddy	Loading	Approx. mins	55	60	48	58	65								
	Discharging	Approx. mins	52	58	48	58	70								
	Drying Rate	%/hr	0.5~1.5												
Safety Devices		Thermo-over relay, Air pressure switch, Full load buzzer, Timer, Control fuse													

• The required thermal energy is for reference only. Actual data will differ among grain variety, impurity rate, and drying condition. • Diesel/Rice Husk Fuel-type is made to order. • The specification and graph is for reference only. Actual specification of SUNCUE product shall be based on the Sales Confirmation which customers sign and delivered products. • The density, composition and pressure of natural gas vary at different locations, thus thermal energy per m³ also varies. Ex: 8,900Kcal/m³ in Taiwan, 11,000Kcal/m³ in Japan, 8,400Kcal/m³ in Sichuan province of China.