

SUNCUE CIRCULATING GRAIN DRYER

CPR-165



The low-temp., even and speedy drying minimizes broken grains and produces beautiful kernels.

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

The dryer is equipped with foolproof design. The grain 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.



Corn



Rapeseed



Paddy



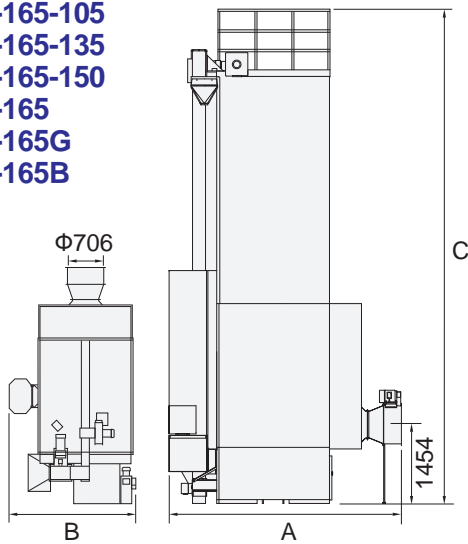
Pulses

Heat source	Model	CPR-165
Diesel		●
Gas		●
Biomass		●
Steam		●

DIMENSIONS

Unit mm

CPR-165-105
CPR-165-135
CPR-165-150
CPR-165
CPR-165G
CPR-165B



FEATURES

1. Particular design for drying section to optimize both of even drying and efficiency.
2. Giant drying section, speedy drying, power saving, premium quality of grains.
3. Spreader device and rotary valves control measurable loading capacity in circulating, and make grains with even drying.
4. Max. thermal energy, drying rate increase, better quality and quantity, minimum cost.
5. Safety operation monitor system:
Motor overload protection, control fuse, full load buzzer, air pressure switch, flame sensor, over heat sensor, over drying safety device in CS-R.

SPECIFICATIONS

Item	Model	CPR-165-105		CPR-165-135		CPR-165-150		CPR-165	
		Low-temp	High-temp	Low-temp	High-temp	Low-temp	High-temp	Low-temp	High-temp
Heat Source		Kerosene or Premium Diesel							
Type		Gun type							
Max. Thermal Energy Approx. liter/hr		25	35.5	25	35.5	25	35.5	25	35.5
Capacity Approx. kg	Paddy 1 liter=560g	6,500~8,400	—	6,500~10,850	—	6,500~12,050	—	6,500~13,250	—
	Rapeseed 1 liter=690g	7,500~10,400	—	7,500~13,350	—	7,500~14,850	—	7,500~16,350	—
	Wheat 1 liter=680g	—	—	—	—	—	—	—	—
	Pulses, Corn 1 liter=690g	7,500~10,400	—	7,500~13,350	—	7,500~14,850	—	7,500~16,350	—
Function	Loading Approx. min	Pulses, Rapeseed 44 Paddy 50	Pulses, Corn 44	Pulses, Rapeseed 50 Paddy 60	Pulses, Corn 50	Pulses, Rapeseed 55 Paddy 66	Pulses, Corn 55	Pulses, Rapeseed 60 Paddy 72	Pulses, Corn 60
	Discharging Approx. min	Pulses, Rapeseed, Paddy 45	Pulses, Corn 45	Pulses, Rapeseed, Paddy 55	Pulses, Corn 55	Pulses, Rapeseed, Paddy 60	Pulses, Corn 60	Pulses, Rapeseed, Paddy 66	Pulses, Corn 66
	Drying Rate %/hr	Commercial, Grains 0.5~1.2 Rapeseed 0.1~0.5 Paddy, Wheat 0.2~1.0	Pulses, Corn 1.0~2.0	Commercial, Grains 0.5~1.2 Rapeseed 0.1~0.5 Paddy, Wheat 0.2~1.0	Pulses, Corn 1.0~2.0	Commercial, Grains 0.5~1.2 Rapeseed 0.1~0.5 Paddy, Wheat 0.2~1.0	Pulses, Corn 1.0~2.0	Commercial, Grains 0.5~1.2 Rapeseed 0.1~0.5 Paddy, Wheat 0.2~1.0	Pulses, Corn 1.0~2.0
Dimension L(A)xW(B)xH(C)mm	4,287x2,745x7,227		4,287x2,745x8,449		4,287x2,745x9,060		4,287x2,745x9,671		
Net Weight Approx. kg	2,815		2,990		3,075		3,170		
Power Consumption kW	6.45								
Electricity	3P, 220V/380V/415V/440V, 50/60Hz								
Safety Devices	Thermo-over realy, Air pressure switch, Full load buzzer, Timer, Control fuse, Flame sensor, Over heat sensor.								

Item	Model	CPR-165G		CPR-165B		CPR-165S
		LPG	NG	SUNCUE Biomass Furnace BB-18 Rice Husk Furnace SB		Steam
Heat Source						
Type		Gun type				
Max. Thermal Energy Approx.		25kg/hr	27.3m ³ /hr			
Capacity Approx. kg	Paddy 1 liter=560g	6,500~13,250		6,500~13,250		Make-to-Order
	Rapeseed 1 liter=690g					
	Wheat 1 liter=680g	7,500~16,350		7,500~16,350		
	Pulses, Corn 1 liter=690g					
Function	Loading Approx. min	Pulses, Rapeseed 60		Paddy 72		
	Discharging Approx. min	Pulses, Rapeseed, Paddy 66				
	Drying Rate %/hr	Commercial, Grains 0.5~1.2	Rapeseed 0.1~0.5	Paddy, Wheat 0.2~1.0		
Dimension L(A)xW(B)xH(C)mm	4,287x2,745x9,671		5,565x2,675x9,671			
Net Weight Approx. kg	3,170		3,420			
Power Consumption kW	6.6		7.7			
Safety Devices	Thermo-over realy, Air pressure switch, Full load buzzer, Timer, Control fuse, Flame sensor, Over heat sensor.		Thermo-over realy, Air pressure switch, Full load buzzer, Timer, Control fuse.			
Electricity	3P, 220V/380V/415V/440V, 50/60Hz					

- 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.
- 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 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: 8,900Kcal/m³ in Taiwan, 11,000Kcal/m³ in Japan, 8,400Kcal/m³ in Sichuan province of China.
- Only use kerosene or premium diesel or diesel conformed to national standards. Please choose good quality diesel that can completely vaporize according to ambient temperature.
- Boiler is a dangerous device. It should be installed in a boiler house and operated by professionally-trained personnel with official license by laws. The operation must obey local government regulations.



SUNCUE COMPANY LTD.

No.396, Minsheng Rd., Wufeng Dist., Taichung City 41348, Taiwan, R.O.C.
 +886-4-2339-7171 +886-4-2330-2939
 www.suncue.com sales@suncue.com

Service Center