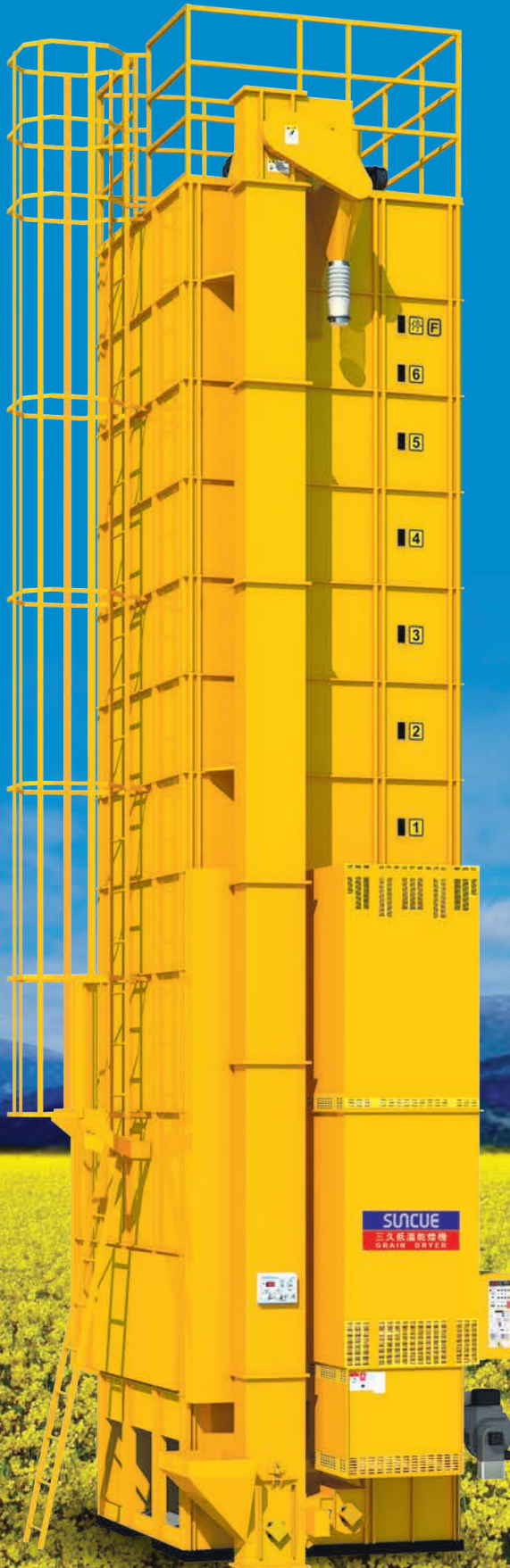


# SUNCUE CIRCULATING GRAIN DRYER

## CPR-165



- The low-temp., even and speedy drying minimizes broken grains and produces beautiful kernels.
- The entire dryer is designed to be strong and sturdy, making it suitable for heavy-duty.
- With foolproof design, users can dry high-quality grain from the 1<sup>st</sup>, 100<sup>th</sup> to 1000<sup>th</sup> batch. Grain 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 electricity as dryers' heat sources.



Corn



Rapeseed

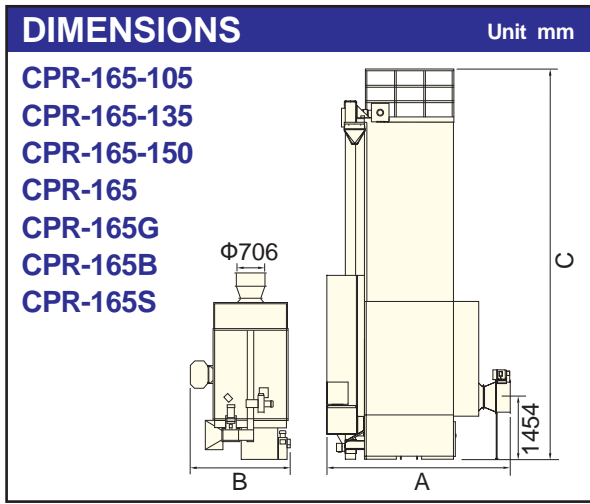


Paddy



Pulses

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



- ## 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
<b>Heat Source</b>		<b>Kerosene or Premium Diesel*</b>							
<b>Capacity</b> Approx. kg	<b>Paddy</b> 1 liter=560g	6,500~8,400	—	6,500~10,850	—	6,500~12,050	—	6,500~13,250	—
	<b>Rapeseed</b> 1 liter=690g	7,500~10,400	—	7,500~13,350	—	7,500~14,850	—	7,500~16,350	—
	<b>Wheat</b> 1 liter=680g								
	<b>Pulses, Corn</b> 1 liter=690g	7,500~10,400		7,500~13,350		7,500~14,850		7,500~16,350	
<b>Function</b>	<b>Loading</b> Approx. min	Paddy 50 Rapeseed, Pulses 44	Pulses, Corn 44	Paddy 60 Rapeseed, Pulses 50	Pulses, Corn 50	Paddy 66 Rapeseed, Pulses 55	Pulses, Corn 55	Paddy 72 Rapeseed, Pulses 60	Pulses, Corn 60
	<b>Discharging</b> Approx. min	Paddy, Rapeseed, Pulses 45	Pulses, Corn 45	Paddy, Rapeseed, Pulses 55	Pulses, Corn 55	Paddy, Rapeseed, Pulses 60	Pulses, Corn 60	Paddy, Rapeseed, Pulses 66	Pulses, Corn 66
	<b>Drying Rate</b> %/hr	<b>Commercial, Grains</b> 0.5~1.2	<b>Seed</b> Paddy, Wheat 0.2~1.0 Rapeseed 0.1~0.5	Pulses, Corn 1.0~2.0	0.5~1.2	Pulses, Corn 1.0~2.0	0.5~1.2	Pulses, Corn 1.0~2.0	0.5~1.2
<b>Thermal Energy</b> Approx. liter/hr		10.4~25	17.8~35.5	10.4~25	17.8~35.5	10.4~25	17.8~35.5	10.4~25	17.8~35.5
<b>Dimension</b> L(A)xW(B)xH(C)mm		4,287x2,745x7,227		4,287x2,745x8,449		4,287x2,745x9,060		4,287x2,745x9,671	
<b>Net Weight</b> Approx. kg		2,815		2,990		3,075		3,170	
<b>Type</b>		Gun type							
<b>Power Consumption</b> kW		6.45							
<b>Electricity</b>		3P, 220V/380V/415V/440V, 50/60Hz							
<b>Safety Devices</b>		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-7	CPR-165S-12
		LPG	NG	SUNCUE Biomass Furnace BB-18 Rice Husk Furnace SB	Steam	
<b>Capacity</b> Approx. kg	<b>Paddy</b> 1 liter=560g	6,500~13,250		6,500~13,250	6,500~13,250	
	<b>Rapeseed</b> 1 liter=690g					
	<b>Wheat</b> 1 liter=680g	7,500~16,350		7,500~16,350	7,500~16,350	
	<b>Pulses, Corn</b> 1 liter=690g					
<b>Function</b>	<b>Loading</b> Approx. min	Paddy : 72 Rapeseed, Pulses : 60				
	<b>Discharging</b> Approx. min	Paddy, Rapeseed, Pulses : 66				
	<b>Drying Rate</b> %/hr	Paddy, Wheat, Rapeseed : 0.5~1.2		Pulses, Corn : 1.0~2.0		
<b>Seed</b>	Paddy, Wheat : 0.2~1.0		Rapeseed : 0.1~0.5			
<b>Type</b>	Gun type		<b>Required Thermal Energy</b>	Paddy Rapeseed Wheat	36,000~145,000 Ambient Temp. +10~40°C	Applicable Grains Paddy, Rapeseed, Wheat Temperature Increase Range Ambient Temp. +15~50°C
<b>Max. Thermal Energy</b> Approx.	25 kg/hr	27.3 m³/hr	Per Unit Approx. Kcal/hr	Pulses	36,000~235,000 Ambient Temp. +10~65°C	Boiler Capacity Approx. ton/hr 0.6
				Corn	45,000~267,000 Ambient Temp. +10~60°C	Boiler Pressure Approx. kg/cm² 7
<b>Dimension</b> L(A)xW(B)xH(C)mm	4,287x2,745x9,671		5,565x2,675x9,671		4,820x2,745x9,671	5,160x2,745x9,671
<b>Net Weight</b> Approx. kg	3,170		3,420		3,520	3,620
<b>Power Consumption</b> kW	6.6		7.7		6.2	
<b>Safety Devices</b>	Thermo-over realy, Air pressure switch, Full load buzzer, Timer, Control fuse, Flame sensor, Over heat sensor.		Thermo-over relay, Air pressure switch, Full load buzzer, Timer, Control fuse.		Thermo-over relay, Air pressure switch, Full load buzzer, Timer, Control fuse.	
<b>Electricity</b>	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 are 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. \*Use high-quality kerosene or premium diesel only.



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