SUNCUE®

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

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 1st, 100th to 1000th 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 electricty as dryers' heat sources.

Corn Rapeseed Paddy Pulses

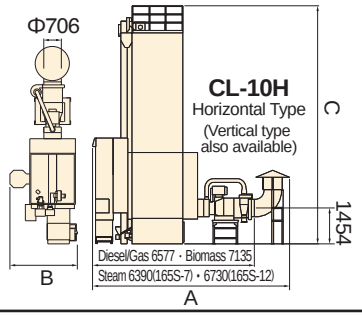
Heat Source \ Model	CPR-165
Diesel	●
Gas	●
Biomass	●
Steam	●

CPR-165+CL-10H Horizontal Type

DIMENSIONS

Unit mm

CPR-165
CPR-165G
CPR-165B
CPR-165S



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 Low-temp	CPR-165 High-temp	CPR-165G	
Heat Source			Kerosene or Premium Diesel*		LPG	NG
Thermal Energy	Approx.		8.8~23 liter/hr	17.5~27 liter/hr	Max. 25kg/hr	Max. 27.3m³/hr
Capacity Approx. kg	Paddy	1 liter=560g	6,500~13,250	—	6,500~13,250	
	Rapeseed	1 liter=690g	7,500~16,350	—	7,500~16,350	
	Wheat	1 liter=680g				
	Pulses, Corn	1 liter=690g	7,500~16,350			
Dimension L×W×H (A)×(B)×(C) mm	Without CL-10		5,007×2,745×9,671		5,007×3,210×9,671	
	With CL-10	Horizontal Type	8,012×2,745×9,671		8,012×3,210×9,671	
		Vertical Type	Please contact the sales department		Please contact the sales department	
Net Weight Approx. kg	Without CL-10		3,170		3,170	
	With CL-10	Horizontal Type	3,718		3,718	
		Vertical Type	Please contact the sales department		Please contact the sales department	
Power Consumption kW	Without CL-10		6.45		6.6	
	With CL-10		10.25		10.4	
Function	Loading	Approx. mins	Paddy 72 · Rapeseed/Pulses 60	Pulses/Corn 60	Paddy 72 · Rapeseed/Pulses 60	
	Discharging	Approx. mins	Paddy/Rapeseed/Pulses 66	Pulses/Corn 66	Paddy/Rapeseed/Pulses 66	
	Drying Rate %/hr	Commercial Grains	0.5~1.2	Pulses/Corn 1.0~2.0	Paddy/Wheat/Rapeseed 0.5~1.2 · Pulses/Corn1.0~2.0	
		Seed	Paddy/Wheat 0.2~1.0 · Rapeseed 0.1~0.5	—	Paddy/Wheat 0.2~1.0 · Rapeseed 0.1~0.5	
Type			Gun type			
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-165B	CPR-165S-7	CPR-165S-12
Heat Source			SUNCUE Biomass Furnace BB-18 Rice Husk Furnace SB	Steam	
Capacity Approx. kg	Paddy	1 liter=560g	6,500~13,250	6,500~13,250	
	Rapeseed	1 liter=690g	7,500~16,350	7,500~16,350	
	Wheat	1 liter=680g			
	Pulses, Corn	1 liter=690g			
Dimension L×W×H (A)×(B)×(C) mm	Without CL-10		5,565×2,675×9,671	4,820×2,890×9,671	5,160×2,890×9,671
	With CL-10	Horizontal Type	8,570×2,675×9,671	7,825×2,890×9,671	8,165×2,890×9,671
		Vertical Type	Please contact the sales department	Please contact the sales department	Please contact the sales department
Net Weight Approx. kg	Without CL-10		3,420	3,520	3,620
	With CL-10	Horizontal Type	3,968	4,068	4,168
		Vertical Type	Please contact the sales department	Please contact the sales department	Please contact the sales department
Required Thermal Energy Per Unit Approx. Kcal/hr	Paddy, Rapeseed Wheat		36,000~145,000 Ambient Temp. +10~40°C	Applicable Grains: Paddy/Rapeseed/Wheat	Paddy/Rapeseed/Wheat/Pulses/Corn
				Temperature Increase Range: Ambient Temp Approx. +15~50°C	+15~63°C
	Pulses		36,000~235,000 Ambient Temp. +10~65°C	Boiler Capacity Approx. ton/hr: 0.6	0.8
	Corn		45,000~267,000 Ambient Temp. +10~60°C	Boiler Pressure Approx. kg/cm²: 7	
Power Consumption kW	Without CL-10		7.7	6.2	
	With CL-10		11.5	10	
Function	Loading	Approx. mins	Paddy 72 · Rapeseed/Pulses 60		
	Discharging	Approx. mins	Paddy/Rapeseed/Pulses 66		
	Drying Rate %/hr	Commercial Grains	Paddy/Wheat/Rapeseed 0.5~1.2 · Pulses/Corn1.0~2.0		
		Seed	Paddy/Wheat 0.2~1.0 · Rapeseed 0.1~0.5		
Electricity			3P, 220V/380V/415V/440V, 50/60Hz		
Safety Devices			Thermo-over relay, Air pressure switch, Full load buzzer, Timer, Control fuse.		

- 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.
- Different platform, rain hood, exhaust chamber, exhaust pipe, stand, balustrade and other accessories are required for each dryer and CL-10 model.
- The user shall prepare dust collecting bags when using CL-10 without a central dust collecting system.

SUNCUE®

SUNCUE COMPANY LTD.

No. 105, Renhua Rd., Dali Dist., Taichung City 412039, Taiwan, R.O.C.

☎ +886-4-2339-7171 +886-4-2330-2939

www.suncue.com sales@suncue.com

Service Center

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