SUNCUE

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

SUNCUE CIRCULATING MAIZE DRYER

MD-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.


Maize


Paddy

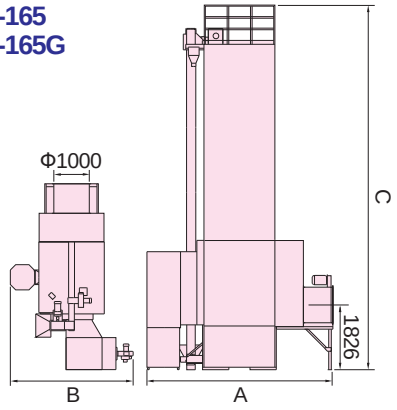

Wheat

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

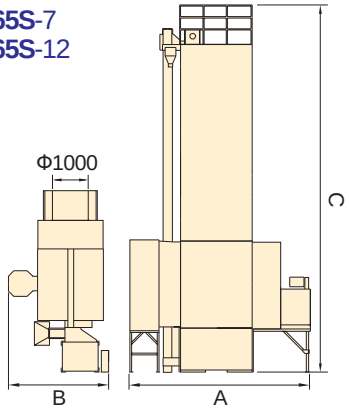
DIMENSIONS

Unit mm

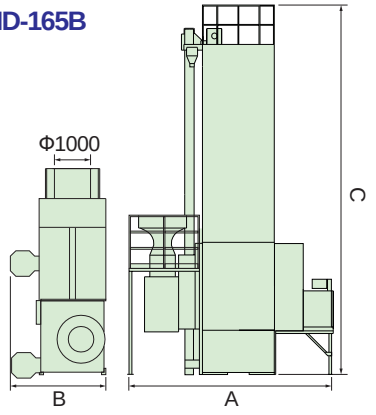
MD-165
MD-165G



MD-165S-7
MD-165S-12



MD-165B



SPECIFICATIONS

Item \ Model			MD-165	MD-165G Low-temp LPG	MD-165G Low-temp NG	MD-165G High-temp LPG	MD-165G High-temp NG
Heat Source			**Kerosene** or **Premium Diesel***	**LPG**	**NG**	**LPG**	**NG**
Combustion Approx. liter/hr	**Maize** 1 liter=690g		27~54 230,000~460,000 Kcal/hr	Max. 16.6kg/hr ≒233kW	Max. 18.2m³/hr ≒233kW	Max. 41.6kg/hr ≒581kW	Max. 45.5m³/hr ≒581kW
	Paddy 1 liter=560g		11.3~27 96,000~230,000 Kcal/hr				
	Wheat 1 liter=680g		11.3~27 96,000~230,000 Kcal/hr				
Capacity Approx. kg	**Maize** 1 liter=690g		7,000~16,500	—		7,000~16,500	
	Paddy 1 liter=560g		5,700~13,200	5,700~13,200		—	
	Wheat 1 liter=680g		6,900~16,200	6,900~16,200		—	
Function	**Loading** Approx. min	**Maize**	75	—		75	
		Paddy, Wheat	66	66		—	
	Discharging Approx. min	**Maize**	70	—		70	
		Paddy, Wheat	65	65		—	
	Drying Rate %/hr	**Maize**	1.8~2.6	—		1.8~2.6	
		Paddy, Wheat	0.7~1.2 Seed 0.2~1.0	0.7~1.2		—	
Dimension L(A)×W(B)×H(C)mm			5,341×3,626×10,272	5,341×3,930×10,272			
Net Weight Approx. kg			3,170	3,170			
Power Consumption kW			Maize 11.75 Paddy 11.25	11.75			
Type			Gun type				
Electricity			3P, 220V/380V/415V/440V, 50/60Hz				
Safety Devices			Thermo-over relay, Air pressure switch, Full load buzzer, Timer, Control fuse, Burner flame sensor, Over-heat sensor				

Item \ Model		MD-165S-7	MD-165S-12	MD-165B	
Heat Source		**Steam**		**SUNCUE Biomass Furnace BB-18, Rice Husk Furnace SB**	
Capacity Approx. kg	**Maize** 1 liter=690g	7,000~16,500		7,000~16,500	
	Paddy 1 liter=560g	5,700~13,200		5,700~13,200	
	Wheat 1 liter=680g	6,900~16,200		6,900~16,200	
Dimension L(A)×W(B)×H(C)mm		4,710×2,810×10,272	5,060×2,810×10,272	5,832×2,783×10,272	
Net Weight Approx. kg		3,900	4,490	3,398	
Applicable Region		Regular	Regular, Cold, Frigid	**Required Thermal Energy** Per unit approx.	**Maize** 340,000 Kcal/hr Ambient Temp. +60°C
Applicable Grains		Paddy, Wheat	Paddy, Wheat, Maize		**Paddy Wheat** 53,000~210,000 Kcal/hr Ambient Temp. +40°C
Temp. Increase Range Approx. ambient temp.		Maize +14~49°C Paddy +16~55°C	Maize +25~72°C Paddy +27~80°C		
Boiler Capacity Approx. ton/hr		1.0	1.2		
Boiler Pressure Approx. kg/cm²		7			
Function	**Loading** Approx. mins	Maize 75		Paddy 66	
	Discharging Approx. mins	Maize 70		Paddy 65	
	Drying Rate %/hr	Maize 1.8~2.6		Paddy 0.7~1.2	
Power Consumption kW		11		14.75	
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 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.
- The required thermal energy is for reference only. Actual data will differ among grain variety, impurity rate, and drying condition. ✱Use **high-quality** kerosene or premium diesel only.

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Service Center