

# SUNCUE CYCLOFAN

**CL-10H** Horizontal Type / **CL-10V** Vertical Type

### Flexible Assembly

Dust separation will not be affected by the position, either horizontal or vertical installation.

### High Efficiency of Dust Collection

Work properly even under dusty and humid environment.

### Prevent Water Pollution and Stench

Free the user from water pollution and stench caused by wet dust collecting system.

### Obtained Multiple International Patents

Obtained invention patent certificates from multiple countries, including Taiwan, the United States, South Korea, China, the Philippines, Thailand, India, and Vietnam.

### No Consumables

No need for regular replacement of consumables like filter bag.

### Layout Optimization

Easily reduce the dust room space.

### Free from Shutdown Thanks to Central Processing

Central processing free the user from shutdowns during harvest season.

### SUNCUE Grain Dryer Connect with CL-10

Item	Model	CL-10 Unit
Applicable Model	SUPER-120	1
	CPR-165	
	PHS-130	2
	SUPER-300	
	PHS-320	



**SUPER-120**  
+CL-10H Horizontal Type

**CPR-165**  
+CL-10H Horizontal Type

**SUPER-300**  
+CL-10V Vertical Type

**PHS-320**  
+CL-10H Horizontal Type

## SUNCUE Around The World



Korea

Korea

Korea

Korea

Korea



Korea

Korea

Korea

Korea

Korea



Taiwan

Myanmar

Indonesia

Indonesia

United Arab Emirates



Philippines

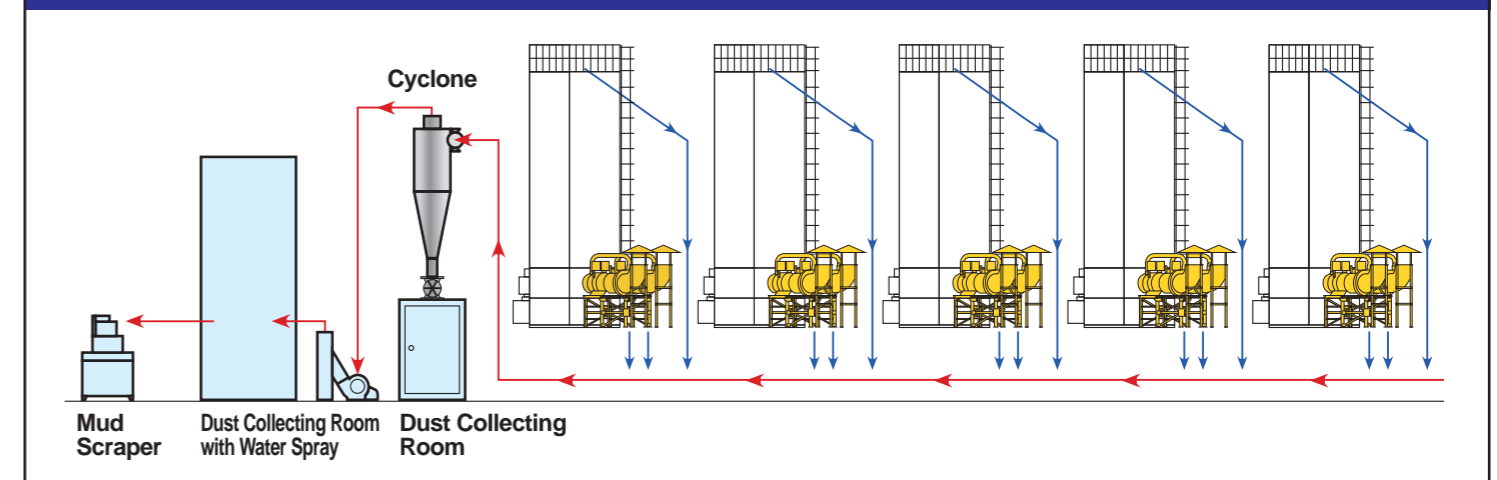
Philippines

Philippines

Philippines

Peru

### Process



# Dust Collection Efficiency Comparison Table

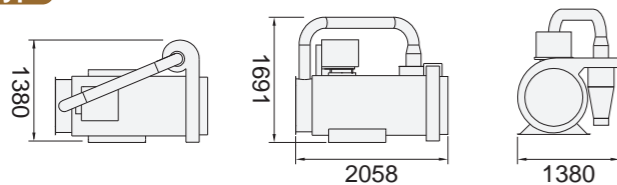
Using SUPER-300B as an example, Unit mm

Item	CL-10 + Central Dust Collector + Simple Spray Washing	Scrubber Tower	Dry Gravity Dust Collection
Diagram			
Site Space	Vertical or horizontal type can be selected according to the site, with central dust collector to save space.	Although there is no need to build a factory building, one dryer needs to be equipped with one scrubber tower, which requires a large area and high investment cost.	Requires large area and takes up space.
Operation Pros and Cons	<ol style="list-style-type: none"> <li>Dry collection, no odor will be produced.</li> <li>The CL-10 and central dust collector efficiently collect most debris, ensuring effective dust collection.</li> <li>Only fine dust remains, combined with simple spray washing, less water consumption.</li> </ol>	<ol style="list-style-type: none"> <li>Wet treatment.</li> <li>Accumulation and fermentation of debris and sludge can easily produce foul odors.</li> <li>Large water consumption and high water cost.</li> </ol>	<ol style="list-style-type: none"> <li>Dry collection.</li> <li>A large amount of debris accumulates in the dust collection room, which is easy to breed rice bugs and cause odor.</li> </ol>
Equipment Maintenance	<ol style="list-style-type: none"> <li>Centralized processing, no need to shut down the machine, and does not affect the drying operation.</li> <li>Dust collection and cleaning are easy, saving labor and costs.</li> </ol>	<ol style="list-style-type: none"> <li>A large amount of debris can easily clog the dryer. Dryer must be shut down to be completely cleaned. Failure to shut down the dryer will affect the drying efficiency.</li> <li>Sewage sludge treatment is time-consuming and costly.</li> </ol>	<ol style="list-style-type: none"> <li>Regular manual cleaning of each compartment with a shovel loader is time-consuming and labor-intensive.</li> <li>The working environment is dirty and contains biogas, which is harmful to health.</li> <li>Clean only after the drying period ends. Excess debris can reduce drying efficiency.</li> </ol>
Performance Measurement Certification	CL-10 cyclone dust collection fan has passed the performance test of the Agricultural Experimental Institute to ensure drying efficiency and dust collection effect.	There is no relevant testing and verification, and the drying effect is questionable.	
Environmental Protection Standards	Meet air pollution emission requirements	A large amount of debris and sludge enter the water washing system, which can easily cause secondary pollution and fail to meet sewage discharge requirements.	The sedimentation chambers in the compartments are not spacious enough, resulting in poor dust removal effects and an inability to meet air pollution emission standards.
Effect on Drying Performance	<ol style="list-style-type: none"> <li>Large air volume, improved drying efficiency.</li> <li>Excellent dust collection effect without affecting drying performance.</li> </ol>	<ol style="list-style-type: none"> <li>The design of the scrubber tower is too small, the washing effect is poor and the drying efficiency is affected.</li> <li>The scrubber tower is too large, which wastes space, water and high costs.</li> </ol>	<ol style="list-style-type: none"> <li>If the dust collection room is poorly designed, has insufficient space, or is not properly cleaned, it will affect the drying efficiency.</li> <li>Planning too much space wastes land and increases costs.</li> </ol>

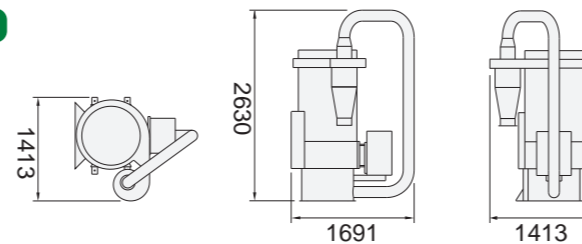
## Dimensions

Unit mm

### Horizontal Type



### Vertical Type



## Specifications

Type	CL-10H / Horizontal Type	CL-10V / Vertical Type									
Model											
Dimension LxWxHmm	2,058x1,380x1,691	1,691x1,413x2,630									
Net Weight Approx. kg	530	560									
Electricity	3P, 220V/380V/415V/440V, 50/60Hz										
Power Consumption kW	7.5										
Model	Dimension mm	Length	Width	Height	Power Consumption kW	Net Weight Approx. kg	Length	Width	Height	Power Consumption kW	Net Weight Approx. kg
SUPER-120		7,054	5,619	2,660	10.1	2,887	Please contact the sales department				
SUPER-120G		7,130	5,695	3,250	10.2						
SUPER-120B		7,534	6,099		11.55	3,057					
SUPER-120S-7		7,416	5,981	2,660	10.05	3,050					
SUPER-120S-12		7,766	6,331			3,155					
SUPER-300		7,896	6,461	3,786	21.05	6,290	6,997	4,031		21.05	6,623
SUPER-300G				4,112	21.4			4,171		21.4	
SUPER-300B		8,129	6,694		24.35	6,419	7,230		11,629	24.35	6,752
SUPER-300S-5		7,412	5,977		6,350	6,513				6,683	
SUPER-300S-7		7,505	6,070	3,786	20.7	6,405	6,606	4,031		20.7	6,738
SUPER-300S-12		7,855	6,420		6,560	6,956					6,893
PHS-130					10.33		Please contact the sales department				
PHS-130G		7,393	5,883	2,755	10.48	3,344					
PHS-130B		7,617	6,107		11.78	3,454					
PHS-320					21.05					21.05	
PHS-320G		8,201	6,766		21.4	7,402	7,291			21.4	7,703
PHS-320B		9,001	7,566	4,871	24.44	7,642	8,091	4,871	13,410	24.44	7,943
PHS-320S-7		7,827	6,392		20.7	7,507	6,917			20.7	7,808
PHS-320S-12		8,176	6,741			7,572	7,266				7,873
CPR-165					10.25		Please contact the sales department				
CPR-165G		8,012	6,577	2,745	10.4	3,718					
CPR-165B		8,570	7,135	2,675	11.5	3,968					
CPR-165S-7		7,825	6,390	2,890	10	4,068					
CPR-165S-12		8,165	6,730			4,168					

- 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.
- Plus: dust room equipment shall be planned together with this model, please contact SUNCUE service for more details.
- 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.

## Dimensional Drawing for SUNCUE Dryers and CL-10

Unit mm

SUPER-120 Series	CPR-165 Series	PHS-130 Series	SUPER-300 Series	PHS-320 Series
CL-10H / Horizontal Type	CL-10H / Horizontal Type	CL-10H / Horizontal Type	CL-10H / Horizontal Type	CL-10H / Horizontal Type
CL-10H / Horizontal Type	CL-10H / Horizontal Type	CL-10H / Horizontal Type	CL-10V / Vertical Type	CL-10V / Vertical Type