

**FORMAX**®

HERE BEGINS YOUR ULTIMATE VALUE

## SHY Series

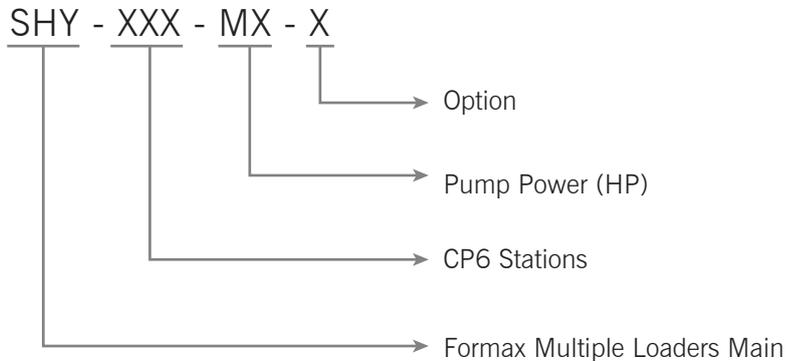
Main Unit + Central  
Hopper Loaders

CP3/CP6/CP12



Please read the brochure carefully before operation.

## ■ Coding Principle

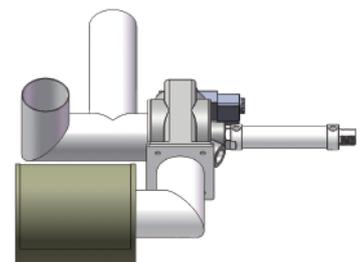


## ■ Features

- One to Six material conveying can save a lot of cost.
- Dust collective chamber features a cyclone collector and a dust collection bin to reduce the load of the filter effectively.
- Separate dust collector is easy to clean.
- Main unit is equipped with faults and pump overload light to alarm quickly.
- Main unit equips the vacuum breaking valve to protect the pump.
- Alarm light is as standard
- CV series central hopper loaders can be mounted on IMM/Extruder directly.
- CE safety plug ensures safe and reliable operation

## ■ Options

The airflow with dust is rotating in high speed in the cyclone dust collector, under the function of centrifugal force, the dust is gathered upon the inner wall of the cyclone dust collector, and then upon the function of gravity, the dust finally falls down and comes out through the discharging hole. Rotated airflow is shrinkage to centre of hopper and then becoming secondary vortex flows out. It's effective to filter dust from hopper dryer and avoid of air pollution. The effect is up to 80% °



Vacuum Breaking Valve

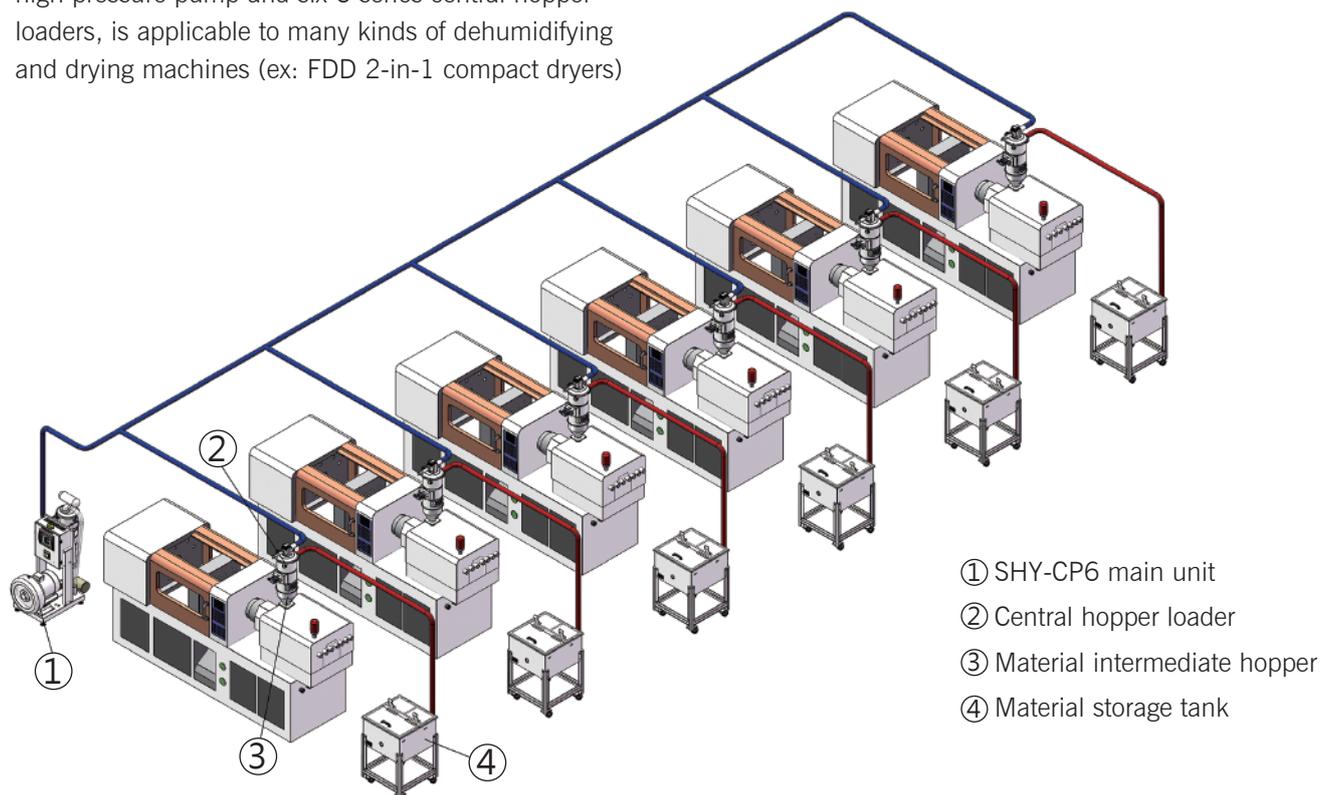


Cyclone Dust Collector

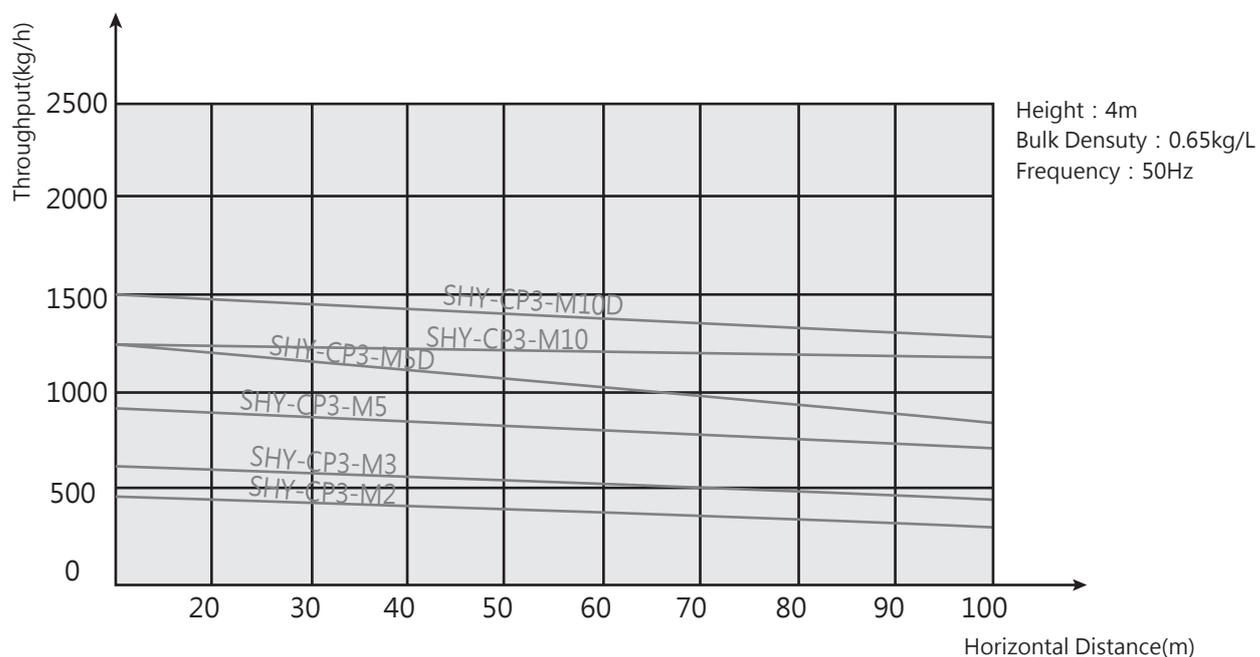
## ■ Application

“One to Six” central hopper loaders are designed and developed on the basis of three-phase single hopper loaders. They feature more functions, easy to operation, and convenient to install. This model, equipped with a high pressure pump and six C series central hopper loaders, is applicable to many kinds of dehumidifying and drying machines (ex: FDD 2-in-1 compact dryers)

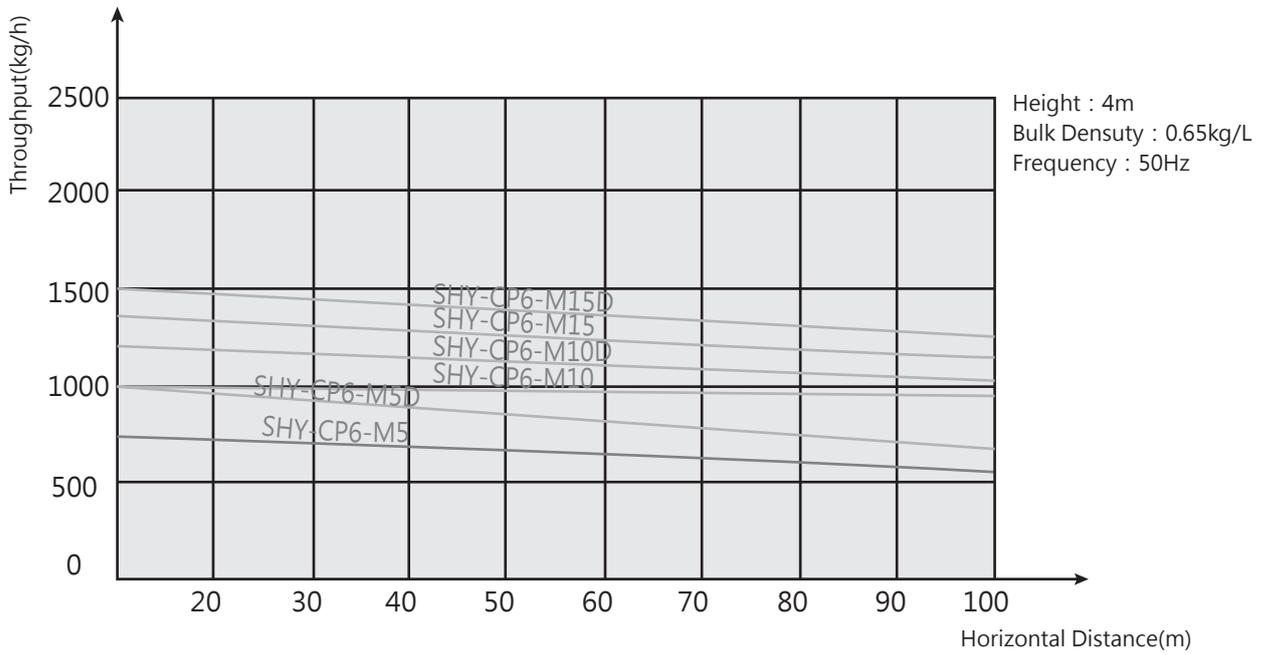
or one gravimetric blender (FGB) to process plastic materials. Besides that, it can also realize the “One to Six” way of conveying materials to different molding machines or hoppers for saving a lot of cost °



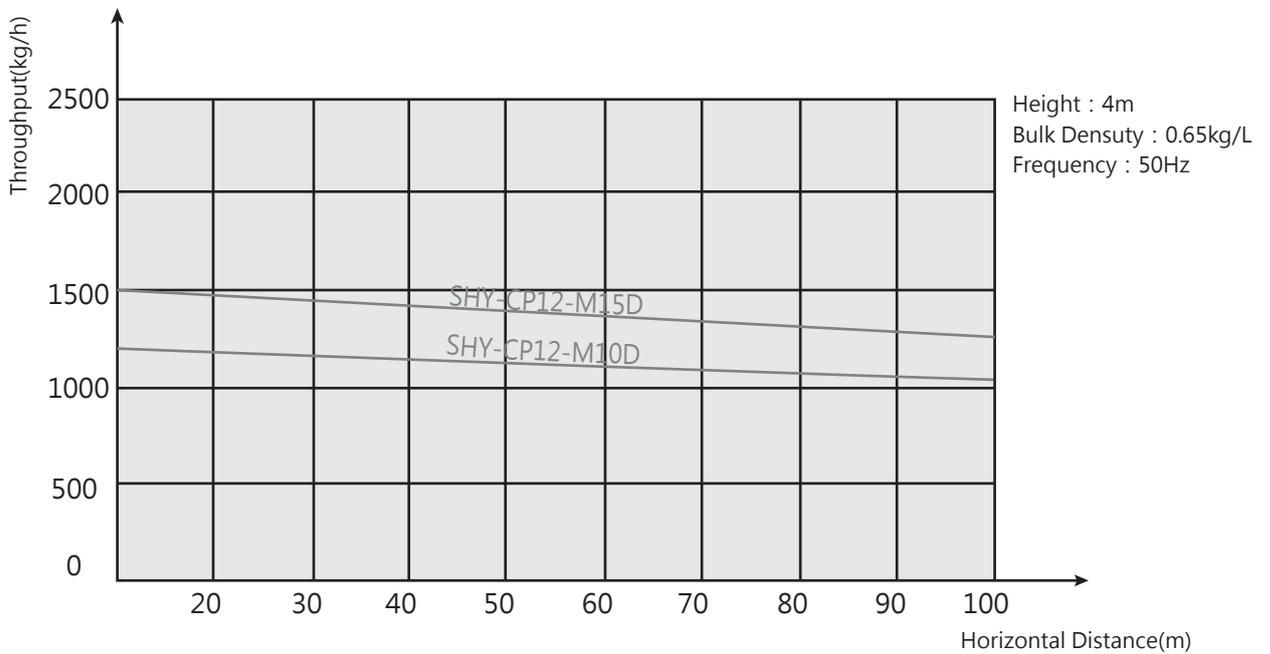
## ■ Conveying Capacity ( SHY-CP3 )



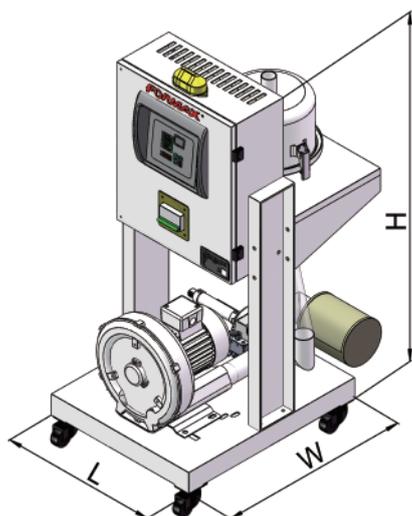
■ Conveying Capacity(SHY-CP6)



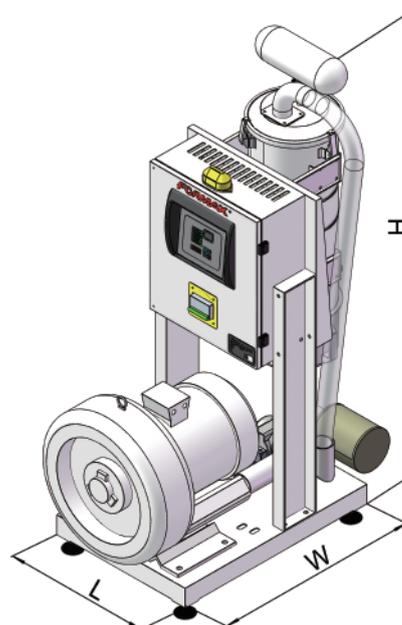
■ Conveying Capacity(SHY-CP12)



## ■ SHY-CP3/CP6 Outline Drawings



SHY-CP3/6-M2 ~ M3



SHY-CP3/6/12-M5 ~ M15

## ■ Specifications

Model	SHY-CP3	M2	M3	M5	M10	M5D	M10D
Pump Power	kW	1.5	2.2	4	7.5	4	7.5
Material Pipe	inch	1.5" / 2" / 2.5" / 3"				2" / 2.5" / 3"	
Vacuum Pipe	inch	1.5" / 2" / 2.5" / 3"				2" / 2.5" / 3"	
Type		Single Stage				Double Stage	
Throughput	kg/hr	400	500	750	1000	1000	1200
Hopper Capacity	Ltr	3/6	6	12			
Sensor		C type using Reed Switch / CV type using Photosensor					
Voltage		3Ø,380VAC · 50Hz					
Accessory	Safety Filter	Normal filter			F12		
	Cyclone Dust Collector	CDS-2 as options			N/A		
	Vacuum Breaking Valve	N/A			Standard		
Dimension							
L	mm	480			480		
W		680			820		
H		1100			1400		
Net Weight	KG	28	38	53	56	102	105

Specifications are subject to change without prior notice.

## ■ Specifications

Model	SHY-CP6	M5	M10	M15	M5D	M10D	M15D
Pump Power	kW	4	7.5	11	4	7.5	11
Material Pipe	inch	2" / 2.5" / 3"					
Vacuum Pipe	inch	2" / 2.5" / 3"					
Type		Single Stage			Double Stage		
Throughput	kg/hr	750	1000	1350	1000	1200	1500
Hopper Capacity	Ltr	6	12	24	6	12	24
Sensor		C type using Reed Switch / CV type using Photosensor					
Voltage		3Ø,380VAC · 50Hz					
Accessory	Safety Filter	F12					
	Cyclone Dust Collector	N/A					
	Vacuum Breaking Valve	Standard					
Dimension							
L	mm	480					
W		820					
H		1400					
Net Weight	KG	53	56	59	102	105	108

Model	SHY-CP12	M10D	M15D
Pump Power	kW	7.5	11
Material Pipe	inch	2.5" / 3"	
Vacuum Pipe	inch	2.5" / 3"	
Type		Double Stage	
Throughput	kg/hr	1200	1500
Hopper Capacity	Ltr	24	
Sensor		C type using Reed Switch / CV type using Photosensor	
Voltage		3Ø,380VAC · 50Hz	
Accessory	Safety Filter	F12	
	Cyclone Dust Collector	N/A	
	Vacuum Breaking Valve	Standard	
Dimension			
L	mm	480	
W		820	
H		1400	
Net Weight	KG	105	108

Note: 1) Test condition of throughput: plastic material of bulk density 0.65kg/L, dia. 3-5mm, vertical conveying height 4m, horizontal conveying distance 5m.

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