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EYH Series Tow Dimensional Motion Mixer



Introduction

The EYH two dimensional motion mixer mainly consists of three parts-rotating cylinder, swinging rack and mixer bed. The rotating cylinder lies on the swinging rack and is supported by four wheels. Two stopping wheels are employed to assure the axial position. Two of the four wheels are driving ones responsible for the work of rotating cylinder driven by power system. The swinging rack is driven by a set of crank-rocker mechanism built in the mixer bed. The swinging rack is supported by bearing assemblies.

Working Principle

The rotating cylinder of EYH two dimensional mixer is capable of conducting two rotating movements at the same time in which one is its rotation and the other is its rolling followed by the swinging rack. Materials mixed inside will be rotated when the cylinder is rotating and will be mixed from left to right and vice versa when the cylinder is rotating. As a result, materials inside the cylinder can be fully mixed in a short period of time. EYH dimensional mixer is suitable for mixing powder material and granule material.

Features

- 1、 The second rotation adopts cycloidal pin gear reducer or worm gear reducer. Compared with the traditional mixer, there is no accumulation of material at the bottom, no pollution, convenient washing, and it truly meets the requirements of GMP.
- 2、 When working, under the dual action of the rotating mechanism and the swinging mechanism, the material barrel is rotated while there is also a swinging movement, so that the materials in the barrel can be fully mixed.
- 3、 The equipment can be equipped with an automatic vacuum feeding machine and interface, which is convenient for feeding and shortens the operation time. High efficiency and low cost.
- 4、 Two-dimensional motion mixer: simple structure, low failure rate, stable operation, safe operation, no noise, easy to clean, and meets GMP requirements.

5、 The volume is much smaller than the normal standard, the area is small, and the function is powerful.

Application

It is widely used for mixing powder and granular materials. It has the characteristics of rapid mixing, large mixing volume, convenient discharging, etc.

TECHNICAL PARAMETERS

Model / Item	Volume(L)	Coefficient of Charge	Loading Weight (kg)	Overall Dimension(mm)						Power(kw)	
				A	B	C	D	M	H	Rotation	Swing
EYH100	100	0.5	40	860	900	200	400	1000	1500	1.1	0.75
EYH300	300	0.5	75	1000	1100	200	580	1400	1650	1.1	0.75
EYH600	600	0.5	150	1300	1250	240	720	1800	1850	1.5	1.1
EYH800	800	0.5	200	1400	1350	240	810	1970	2100	1.5	1.1
EYH1000	1000	0.5	350	1500	1390	240	850	2040	2180	2.2	1.5
EYH1500	1500	0.5	550	1800	1550	240	980	2340	2280	3	1.5
EYH2000	2000	0.5	750	2000	1670	240	1100	2540	2440	3	2.2
EYH2500	2500	0.5	950	2200	1850	240	1160	2760	2600	4	2.2
EYH3000	3000	0.5	1100	2400	1910	280	1220	2960	2640	5	4
EYH5000	5000	0.5	1800	2700	2290	300	1440	3530	3000	7.5	5.5
EYH10000	10000	0.5	3000	3200	2700	360	1800	4240	4000	15	11
EYH12000	12000	0.5	4000	3400	2800	360	1910	4860	4200	15	11
EYH15000	15000	0.5	5000	3500	3000	360	2100	5000	4400	18.5	15

More Photos

