

■ SCREENING

▶ Circular Vibrating Screen

Principle

Circular vibrating screen is mainly composed of screen box, screen mesh, vibrator, damping springs, etc. Mounted on the side plate of the screen box and driven by the motor through V belt, the vibrator rotates, generates centrifugal force, and drives the vibration of the screen box, which is the vibrating object with the motion likely circular movement trail. During the period, materials with the particle size smaller than the diameter of sieve pore will fall down to the lower layer, and become screen underflow. Materials with the particle size larger than the diameter of sieve pore will be discharged from the outlet through continuous jumping. Ultimately, the screening is finally completed.

Features

The motion trail of this kind of vibrating screen is similar to a circle, and therefore, it is referred to as circular vibrating screen. As a kind of high-efficiency new vibrating screen with multi layers, circular vibrating screen has the following features:

Vibrator with eccentric shaft and eccentric block enables stable operation and highly efficient screening.

Step out of materials stuck in the mesh prevents sieve blocking.

Low stress damping spring enables low noise during operation.

Ultra-heavy large clearance bearings enable low operating temperature and long service life.

The frame structure of ring-grooved rivet and plate-type screen box enables high structural strength of screen frame.

World renowned wear-resistant rubber mesh can be provided.

Application

Applicable for material classification in the industries such as mineral processing, coal dressing, construction materials, electric power and chemical engineering; applicable for the dewatering, desliming, medium drainage, etc.



Technical Parameters

Model	Screen Surface			Max. Feed Size (mm)	Capacity (t/h)	Motor		Weight (kg)		
	Area (m ²)	Dip Angle (°)	Mesh Size (mm)			Model	Power (kW)			
YA1236	4.3	20	6~50	200	80~240	Y160M-4	11	4905		
2YA1236					80~240	Y160M-4		5311		
YA1530	4.5				6~50	200		80~240	Y160M-4	4675
YA1536								100~350	Y160M-4	5137
2YA1536	5.4		30~150	400	100~350	Y160L-4	15	5624		
YAH1536					160~650	Y160M-4	11	5621		
2YAH1536					160~650	Y160L-4	15	6045		
YA1542					6.5	6~50	200	110~385	Y160M-4	11
2YA1542	6~50		110~385	Y160L-4		15		6098		
YA1548	7.2		6~50	200	120~420	Y160L-4	15	5918		
2YA1548		120~420			Y160L-4	6321				
YAH1548		30~150			400	200~780		Y160L-4	15	6842
2YAH1548		30~150 ; 6~50			400	200~780		Y160L-4	15	7404
YA1836	6.5	30~150	200	140~220	Y160M-4	11	5205			
2YA1836	6.5			140~220	Y160L-4	15	5946			
YAH1836	6.5	30~150	400	220~910	Y160M-4	11	5900			
2YAH1836	6.5	30~150 ; 6~50	400	220~910	Y160L-4	15	6353			
YA1842	7.6	6~150	200	140~490	Y160L-4	15	5829			
2YA1842	7.6			140~490	Y160L-4	15	6437			
YAH1842	7.6	30~150	400	450~800	Y160L-4	15	6352			
2YAH1842	7.6	30~150 ; 6~50	400	450~800	Y160L-4	15	7037			
YA1848	8.6	6~50	200	150~525	Y160L-4	15	6289			
2YA1848	8.6		200	150~525	Y160L-4	15	6624			
YAH1848	8.6	30~150	400	250~1000	Y160L-4	15	7122			
2YAH1848	8.6	30~150 ; 6~50	400	250~1000	Y160L-4	15	7740			
YA2148	10	6~50	200	180~630	Y180M-4	18.5	9033			
2YA2148	10	6~50	200	180~630	Y180L-4	22	10532			
YAH2148	10	13~200	400	270~1200	Y180M-4	18.5	10430			
2YAH2148	10	30~150 ; 6~50	400	270~1200	Y180L-4	22	11190			
YA2160	12.6	6~80	200	230~800	Y180M-4	18.5	9926			
2YA2160	12.6		200	230~800	Y200L-4	22	11249			
YAH2160	12.6	30~150	400	350~1500	Y200L-4	30	12490			
2YAH2160	12.6	30~150 ; 6~50	400	350~1500	Y200L-4	30	13858			
YA2448	11.5	6~50	200	200~700	Y180 M -4	18.5	9834			
YAH2448	11.5	6~50	400	310~1300	Y200L-4	30	11830			
2YAH2448	11.5	30~150 ; 6~50	400	310~1300	Y200L-4	30	13012			
YA2460	14.4	6~50	200	260~780	Y200L-4	30	12240			
2YA2460	14.4	6~50	200	260~780	Y200L-4	30	13583			
YAH2460	14.4	30~150	400	400~1700	Y200L-4	30	13096			
2YAH2460	14.4	30~150 ; 6~50	400	400~1700	Y200L-4	30	14455			

Note: "YA" Single layer "YA" / "2YA" Double layer "2YA" / "YAH" Single layer heavy screen "YAH" / "2YAH" Double layer heavy screen "2YAH".