

# Vibrating Screen

This kind of screen is of long streamline, clear screening for different specifications. The vibrating screen is a kind of sieving equipment of international advanced level, developed by our company on the basis of carrying on the advantages of traditional screens and absorbing the outstanding technology from abroad. It is widely used for grading and screening materials in the following fields: minerals, quarry, building materials, water conservancy and hydropower, transportation, chemical industry, smelting and so on.



## Working Principle:

Vibrating screen moves round. It has multi-layers and is of high efficiency. The eccentric shaft vibration exciter and partial block help to adjust amplitude. The material drops down along the long line. In screen grading, the material is separated mechanically on screen plates. Rolling bearings in vibrating screens are stressed by high, mostly shock-type loads. Moreover, the bearings, while rotating about their own axis, perform a circular, elliptical or linear vibrating motion. This results in high radial accelerations which additionally stress the bearings, and especially the cages, considerably. The operating speeds are usually very high. As a result, the bearing temperatures are up to 20 to 30 degrees Kelvin higher than in normal applications. In addition, considerable misalignments between the bearing locations and considerable shaft deflections have to be accommodated.

## Technical Data:

Type	Screen Spec (mm)	Layers	Sieve Pore (mm)	Max. Feed Size (mm)	Capacity (t/h)	Power (KW)	Screen area (m <sup>2</sup> )	Weight Excluding Motor (t)
2YA1237	1200×3700	2	3-50	200	7.5-80	5.5	3.6	2.34
3YA1237	1200×3700	3	3-50	200	7.5-80	7.5	3.6	3.05
2YA1548	1500×4200	2	5-50	400	50-208	15	6.3	5.33
3YA1548	1500×4800	3	5-50	400	50-250	15	7.2	6.07
3YA1848	1800×4800	3	5-80	400	50-300	18.5	8.64	6.93

3YA1860	1800×6000	3	5-80	400	50-350	22	10.8	7.70
3YA2160	2100×6000	3	5-100	400	100-500	30	12.6	9.24
2YA2460	2400×6000	2	5-150	400	150-700	30	14.4	12.35

Note: This specification is just for reference, any changes are subject to the Vibrating Screen products.

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