



ZHENG ZHOU YIFAN MACHINERY CO; LTD.

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YK Series incline vibrating screen



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YK Series incline vibrating screen absorbs Germany technology with high efficiency. The amplitude of the vibrating screen can be adjusted. The screening line is long and specification of materials is various, and it is also of reliable structure, strong exciting force, high screening efficiency. It is widely used in sieve different sizes of aggregate. It is also applied to coal dressing, ore dressing, building material, electric power and chemical industries.

How Vibrating Screen works?

Vibrating screens work on circular motion. The vibrating screens are mainly used in coal dressing, metallurgy, mine, power station, water conservancy project, building industry, light industry and chemical industry etc They are efficient screening machines for the classification of bulk material such as coal, minerals, coke etc.

There are 40 specifications for YK Series, of which the heavy duty type is for the classification of large size materials, while the Lightduty type is for the middle and

small size materials. 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.

Working Principle of YK Series incline vibrating screen:

The motor makes the exciter swing rotate speedily through the tire coupling. The continuous forced circular motions of sieve box were achieved through the powerful centrifugal force. Under the influence of sieve box, the material are tossed forward successively on the mesh. they were classified as thrown up, and the particles smaller than the mesh size were sieved out when they are falling, so that the classification of material could be achieved.

Inclined vibrating screen is composed by sieving box, mesh, vibration exciter and damper spring ect. the vibratory screen adopts the vibration exciter with barrel type of eccentric shaft and block to adjust the swing. The vibration exciter is installed on the lateral plate of the sieving box. The motor makes the exciter swing round speedily through tire coupling. The continuous forced circular motions of sieve box were achieved through the powerful centrifugal force. The lateral plate made by the high quality steel plate without any welding point. The lateral plate, beam and the vibration exciter connected by the high strength bolts and ring-grooved lockbolts.

Features and Benefits:

1. High vibrating force with unique eccentric structure. Adopt advanced construction, making the vibrating force powerful.
2. The beam and case of the screen are connected with high strength bolts without welding.
3. Simple structure, easy to repair.
4. Adopt tire coupling and soft connection makes operation smooth.
5. High efficiency, easy maintenance, sturdy and durable.



Usage and maintenance:

Inclined Vibrating Screen should start when there is nothing on the screen surface, and should avoid start the machine with materials, when the material running steady, then can feed. Stop feeding before stop the machine, and keep there is no material on the surface then stop the machine. Observe the operation of the machine when it is running. If there are abnormal movement or unusual sound, we should stop the machine and examine it, find the causes, and eliminate the troubles.

Data parameters:

Model	Screen Deck	Installation Slope (°)	Deck Size (m ²)	Vibrating Frequency (r/min)	Double Amplitude (mm)	Capacity (m ³ /h)	Motor Power (kW)	Overall Dimensions (L×W×H) (mm)	Weighty (Kg)
2YK1224	2	15	2.88	970	6-8	20-120	5.5	2673×2382×2027	1750
YK1235	1	15	4.2	970	6-8	20-150	5.5	3710×2464×1450	1729
2YK1235	2	15	4.2	970	6-8	20-150	7.5	3705×2393×2339	2476
3YK1235	3	15	4.2	970	6-8	20-150	7.5	3621×2521×2581	3158
4YK1235	4	15	4.2	970	6-8	20-150	11	3510×2521×2830	4160
YK1545	1	17.5	6.75	970	6-8	20-150	11	4904×3044×2179	3319
2YK1545	2	17.5	6.75	970	6-8	20-150	15	5042×3090×3165	5308
3YK1545	3	17.5	6.75	970	6-8	20-150	15	4972×3090×3395	5915
4YK1545	4	17.5	6.75	970	6-8	20-150	18.5	4915×3155×3804	7260
YK1548	1	17.5	7.2	970	6-8	20-150	11	5190×3044×2186	3319
2YK1548	2	17.5	7.2	970	6-8	20-150	15	5265×3140×3208	5284
3YK1548	3	17.5	7.2	970	6-8	20-150	15	5200×3090×3440	6186
4YK1548	4	17.5	7.2	970	6-8	20-150	18.5	5200×3155×3849	7284
YK1860	1	20	10.8	970	6-8	32-350	15	6302×3365×2992	4651
2YK1860	2	20	10.8	970	6-8	32-350	18.5	6020×3455×3756	6195

3YK1860	3	20	10.8	970	6-8	32-350	18.5	6020×3455×4180	7613
4YK1860	4	20	10.8	970	6-8	32-350	22	5963×3505×4463	8650
YK2160	1	20	12.6	970	6-8	66-720	18.5	6302×3730×2992	4917
2YK2160	2	20	12.6	970	6-8	66-720	22	5966×3958×3975	6856
3YK2160	3	20	12.6	970	6-8	66-720	30	5966×3958×4400	9112
4YK2160	4	20	12.6	970	6-8	66-720	30	5966×3958×4780	11405
YK2460	1	20	14.4	970	6-8	75-750	18.5	6302×4155×2992	5243
2YK2460	2	20	14.4	970	6-8	75-750	30	6027×4308×3975	8503
3YK2460	3	20	14.4	970	6-8	75-750	30	6027×4308×4400	10411
4YK2460	4	20	14.4	970	6-8	75-750	30	5966×4308×4780	12068
2YK2475	2	20	18	970	6-8	120-900	30	7812×4308×4642	10709
3YK2475	3	20	18	970	6-8	120-900	37	7718×4393×5033	13400
4YK2475	4	20	18	970	6-8	120-900	45	7718×4494×5361	15500
YK3060	1	20	18	970	6-8	200-900	30	6302×4943×3108	14052
2YK3060	2	20	18	970	6-8	200-900	37	6207×4943×3985	17185
3YK3060	3	20	18	970	6-8	200-900	45	6207×4943×4485	19200
4YK3060	4	20	18	970	6-8	200-900	45	6207×4943×4785	21080

For further details, please visit our website: www.yfcruasher.com .

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