

YIFAN

YK Series Inclined Vibrating Screen



Leading crushing and screening equipment manufacturer in China

Zhengzhou YiFan Machinery Co.,Ltd(the share-holder is Shande Technology (Beijing) Co., Ltd) has its headquarter in Beijing. It is a famous manufacturer of crushing and screening equipment and provides series stone crusher and crushing equipment for customers.



YIFAN

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一帆机械

YK Series Circular vibrating screen is high efficiency vibrating screen that produced through absorbing Germany technology. 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.

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.

Structure and Composition

Circular vibrating screen is composed by sieving box, mesh, vibration exciter and damper spring etc. 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 lock bolts.

Maintenance of Common Sense

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 is abnormal movement or unusual sound, we should stop the machine and examine it, find the causes, and eliminate the troubles.



Working Principle

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 particals smaller than the mesh size were sieved out when they are falling, so that the classification of material could be achieved.



Technical Data

型号 Model	筛网层数 Screen Deck	筛面倾角 Incline Angle (°)	筛网面积 Deck Size (m ²)	振动频率 Vibrating Frequency (r/min)	双振幅 Double Amplitude (mm)	处理能力 Capacity (m ³ /h)	电机功率 Motor Power (kw)	外型尺寸 Overall Dimensions(L×W×H)mm	重量 Weight(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	22-150	11	4904×3044×2179	3319
2YK1545	2	17.5	6.75	970	6-8	22-150	15	5042×3090×3165	5308
3YK1545	3	17.5	6.75	970	6-8	22-150	15	4972×3090×3395	5915
4YK1545	4	17.5	6.75	970	6-8	22-150	18.5	4915×3155×3804	7260
YK1548	1	17.5	7.2	970	6-8	22-150	11	5190×3044×2186	3319
2YK1548	2	17.5	7.2	970	6-8	22-150	15	5265×3140×3208	5284
3YK1548	3	17.5	7.2	970	6-8	22-150	15	5200×3090×3440	6186
4YK1548	4	17.5	7.2	970	6-8	22-150	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	840	6-8	75-750	30	6027×4308×4400	10411
4YK2460	4	20	14.4	840	6-8	75-750	30	5966×4308×4780	12068
YK2475	1	20	18	840	6-8	120-900	22	7715×4115×3555	7230
2YK2475	2	20	18	840	6-8	120-900	30	7812×4308×4642	10709
3YK2475	3	20	18	840	6-8	120-900	37	7718×4393×5033	13400
4YK2475	4	20	18	840	6-8	120-900	45	7718×4494×5361	15500
YK3060	1	20	18	840	6-8	200-900	30	6302×4943×3108	14052
2YK3060	2	20	18	840	6-8	200-900	37	6207×4943×3985	17185
3YK3060	3	20	18	840	6-8	200-900	45	6207×4943×4485	19200
4YK3060	4	20	18	840	6-8	200-900	45	6207×4943×4785	21080
YK3075	1	20	22.5	840	6-8	840-1080	37	7716×5100×4217	16790
2YK3075	2	20	22.5	840	6-8	840-1080	45	7721×5110×4229	17840
3YK3075	3	20	22.5	840	6-8	840-1080	55	7724×5156×5229	18700
4YK3075	4	20	22.5	840	6-8	840-1080	2×30	7728×5170×5367	21700

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