

Operating Instruction

VIBRATING SCREEN

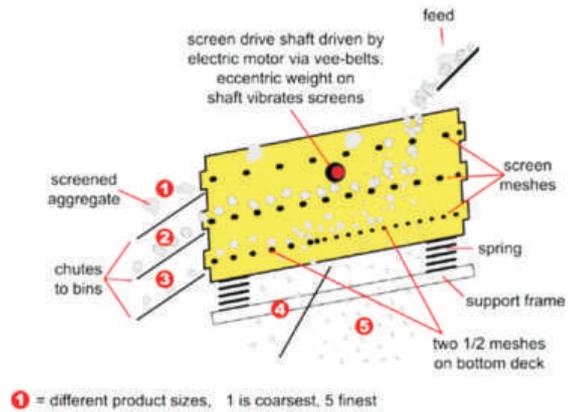
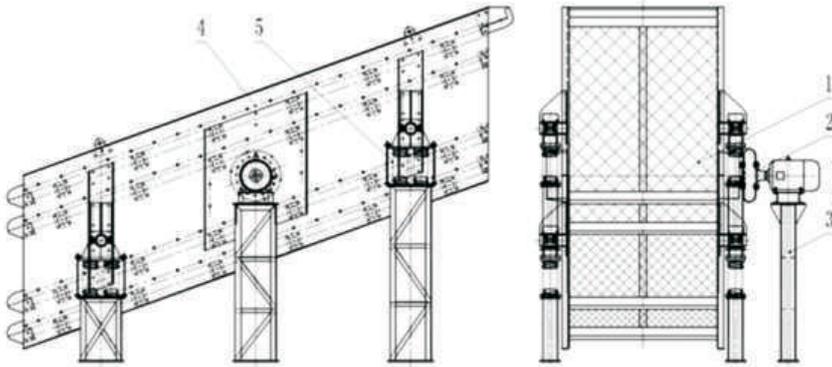


Henan Hongxing Heavy Machinery Co., Ltd.

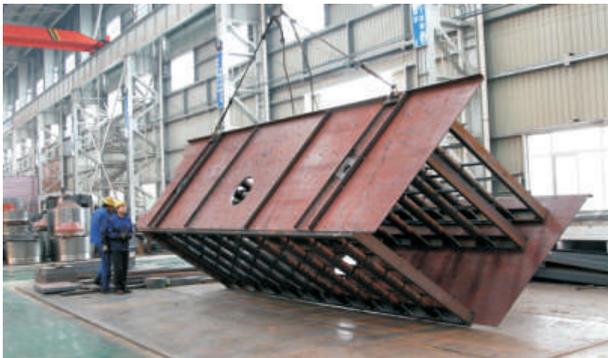
The Advantages and Application of Vibrating Screen:

Vibrating screen has such features as reliable structure, strong exciting force, high screening efficiency, low vibration noise, long service life, convenient repair and safe use, which can be

widely used for the product classification in mine, building material, transportation, energy and chemistry.



- 1. Screen mesh
- 2. Exciter
- 3. Bracket
- 4. Screen box
- 5. Damping spring



The Inner Structure of Vibrating Screen:

Vibrating screen is mainly composed of screening box, exciter, hanging device and electromotor. The electromotor drives the principal axis of the exciter to rotate through v-shaped belt, and under the centrifugal inertia force of the

unbalanced materials on the exciter, the screen box will gain vibration and it can gain different vibration amplitudes through changing the eccentric block of the exciter.

Characteristics:

Processing capacity: 8-800m³/h

Vibrating power: 800-970r/min

Max. feeding size: 400mm

Screen size: 4-100mm

Motor power: 5.5-22×2kw



Features

1. The strong vibration of the screen box reduces the phenomenon that the materials block the screen hole, so that the circular vibrating screen has high screening efficiency and production efficiency.

2. The circular vibrating screen has simple structure and the dismantling and changing of the screen surface is convenient.

Technical data :

| Model | Sieve layer | Sieve area (m ²) | Mesh size (mm) | Max. feeding size (mm) | Processing capacity (m ³ /h) | Vibrating Frequency (r/min) | Double amplitude (mm) | Motor power (kw) | Sieve obliquity (°) | Sieve specification (mm) | Total weight (kg) | Dimensions (L×W×H) (mm) |
|---------|-------------|------------------------------|----------------|------------------------|---|-----------------------------|-----------------------|------------------|---------------------|--------------------------|-------------------|-------------------------|
| 2YK1225 | 2 | 6 | 4-50 | 400 | 8-60 | 800-970 | 8 | 5.5 | 20 | 1200×2500 | 3500 | 2930×1860×870 |
| 3YK1225 | 3 | 9 | 4-50 | 400 | 10-70 | 800-970 | 8 | 5.5 | 20 | 1200×2500 | 3850 | 3070×1860×1210 |
| 2YK1230 | 2 | 7.2 | 4-50 | 400 | 12-78 | 800-970 | 8 | 7.5 | 20 | 1200×3000 | 4200 | 3430×1860×870 |
| 3YK1230 | 3 | 10.8 | 4-50 | 400 | 13-80 | 800-970 | 8 | 7.5 | 20 | 1200×3000 | 4600 | 3570×1860×1210 |
| 2YK1237 | 2 | 8.88 | 4-50 | 400 | 15-86 | 800-970 | 8 | 7.5 | 20 | 1200×3700 | 4600 | 4050×1860×870 |
| 3YK1237 | 3 | 13.32 | 4-50 | 400 | 16-90 | 800-970 | 8 | 7.5 | 20 | 1200×3700 | 5200 | 4270×1860×1210 |
| 2YK1535 | 2 | 10.5 | 5-50 | 400 | 20-125 | 800-970 | 8 | 11 | 20 | 1500×3500 | 5890 | 4120×2210×1230 |
| 3YK1535 | 3 | 15.75 | 5-50 | 400 | 21-125 | 800-970 | 8 | 11 | 20 | 1500×3500 | 6700 | 4360×2210×1610 |
| 2YK1545 | 2 | 13.5 | 5-50 | 400 | 22-150 | 800-970 | 8 | 15 | 20 | 1500×4500 | 6330 | 5120×2210×1230 |
| 3YK1545 | 3 | 20.25 | 5-50 | 400 | 22-150 | 800-970 | 8 | 15 | 20 | 1500×4500 | 6800 | 5360×2210×1610 |
| 4YK1545 | 4 | 27 | 5-50 | 400 | 22-155 | 800-970 | 8 | 18.5 | 20 | 1500×4500 | 7800 | 5930×2210×2060 |
| 2YK1548 | 2 | 14.4 | 5-50 | 400 | 22.5-162 | 800-970 | 8 | 15 | 20 | 1500×4800 | 6980 | 5420×2210×1230 |
| 3YK1548 | 3 | 21.6 | 5-50 | 400 | 22.5-162 | 800-970 | 11 | 15 | 20 | 1500×4800 | 7700 | 5660×2210×1610 |
| 4YK1548 | 4 | 28.8 | 5-50 | 400 | 22.5-162 | 800-970 | 8 | 18.5 | 20 | 1500×4800 | 8700 | 6230×2210×2060 |
| 2YK1848 | 2 | 17.28 | 5-80 | 400 | 25-206 | 750 | 8 | 15 | 20 | 1800×4800 | 9080 | 5420×2550×1420 |
| 3YK1848 | 3 | 25.92 | 5-80 | 400 | 32-276 | 750 | 8 | 18.5 | 20 | 1800×4800 | 9600 | 5660×2550×1780 |
| 4YK1848 | 4 | 34.56 | 5-80 | 400 | 32-285 | 750 | 8 | 22 | 20 | 1800×4800 | 11100 | 6290×2550×2160 |
| 2YK1854 | 2 | 19.44 | 5-80 | 400 | 32-312 | 800-970 | 8 | 18.5 | 20 | 1800×5400 | 10150 | 5960×2550×1420 |
| 3YK1854 | 3 | 29.16 | 5-80 | 400 | 32-312 | 800-970 | 8 | 22 | 20 | 1800×5400 | 10840 | 6260×2550×1780 |
| 4YK1854 | 4 | 38.88 | 5-80 | 400 | 32-336 | 800-970 | 8 | 30 | 20 | 1800×5400 | 12840 | 6830×2550×2160 |
| 2YK2160 | 2 | 25.2 | 5-100 | 400 | 50-475 | 970 | 8 | 30 | 20 | 2100×6000 | 11780 | 6720×2840×1530 |
| 3YK2160 | 3 | 37.8 | 5-100 | 400 | 50-475 | 970 | 8 | 30 | 20 | 2100×6000 | 12800 | 7030×2840×1910 |
| 4YK2160 | 4 | 50.4 | 5-100 | 400 | 50-497 | 970 | 8 | 37 | 20 | 2100×6000 | 14800 | 7300×2840×2380 |
| 2YK2460 | 2 | 28.8 | 5-100 | 400 | 65-550 | 970 | 8 | 37 | 20 | 2400×6000 | 15600 | 7020×3140×1530 |
| 3YK2460 | 3 | 43.2 | 5-100 | 400 | 70-620 | 970 | 8 | 37 | 20 | 2400×6000 | 17600 | 7300×3140×1910 |
| 4YK2460 | 4 | 57.6 | 5-100 | 400 | 80-680 | 970 | 8 | 45 | 20 | 2400×6000 | 19600 | 7600×3140×2380 |
| 2YK2870 | 2 | 39.2 | 5-100 | 400 | 120-680 | 750 | 8 | 22×2 | 20 | 2800×7000 | 21200 | 7600×4320×1620 |
| 3YK2870 | 3 | 58.8 | 5-100 | 400 | 180-720 | 750 | 8 | 22×2 | 20 | 2800×7000 | 22400 | 7800×4320×2120 |
| 2YK3072 | 2 | 43.2 | 5-100 | 400 | 200-700 | 750 | 8 | 22×2 | 20 | 3000×7200 | 23600 | 7800×4520×1750 |
| 3YK3072 | 3 | 64.8 | 5-100 | 400 | 230-800 | 750 | 8 | 22×2 | 20 | 3000×7200 | 25500 | 8000×4520×2300 |

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