



使用说明书
Operating Instruction



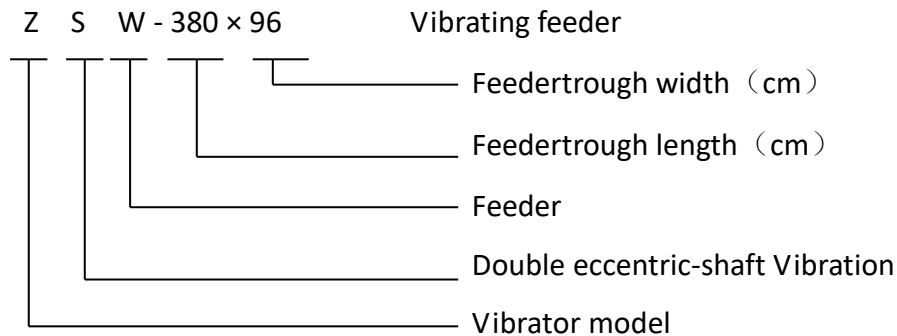
振动给料机
Vibrating Feeder

上海秦路实业有限公司
SHANGHAI KINGLINK INDUSTRY CO., LTD

1.Foreword:

This machine according to the principle of vibration to feed the material. It is suitable for the mining, the building materials, the silicate and the chemical industry, provide the ore and the rock no bigger than 500mm for the next working procedure.

2.Specification and Instruction:



3.Main technical parameter:

Trough size (length×width)	3800×960 (mm)
Max. size of input	500 mm
Rotate speed of eccentric shaft	500~720 r/min
Feeding capacity	100~160 t/h
Double swing	9 mm
Motor Model	YE2-160L-6
Power	11 kw
Rotate speed	980 r/min
Obliquity from horizontal to trough	0 °
Overall dimension(L×W×H)	3882×1684×1340 (mm)
Weight (without motor)	3.98 t

4.The principle of work and the structure characteristic:

ZSW-380×96 vibration feeder mainly composed by the vibration frame, the vibrator, the spring, the motor base and the motor and so on. The vibrator is composed by two the eccentric shaft in the specific position together with a pair of counter gear. When assembly, must make sure two gears meshed according to the mark, through the motor-driven, causes two eccentric shafts to revolve, thus produces the huge synthesis beeline vibration power, forced the machine body to vibrate on the supporting spring, in the help of this vibration power, the material moving in the material trough, thus achieved the purpose to move the material. When the material through grizzly, the less material will fall through



sieving gap when pass the grizzly, achieved the screen out effect without next crusher working procedure.

5. Installment adjustment and revolution of the machine

The machine was supplied after the factory's assembly, and after the spatial vehicle experiment, after the user receives goods, they should inspect carefully, in order to discover abreast in row except the question which possibly brings in the transportation. The machine's installment, adjustment and test run should pay attention:

5.1 For the machine vibrates in a big way, therefore we suggested to install the machine in the concrete foundation, the base altitude depth and the area should according to the soil texture condition, alone carry on the computation. Suggested the foundation weight approximately for machine weight for 2~5 times, the machine 's installing size is to be possible to refer the base compilation. The feeder of the base altitude and the material form uses the steel frame structure or the coagulation local station according to the topographical condition, the fluctuation is suitable the evil ways working procedure highly the request. (User decides)

5.2 The dump chutes of this machine. the undersize chute and the funnel is the fixed system, should maintain 90mm with the feeder organism vertical direction gap, the crosswise gap should maintain 40mm.

5.3 To install the electrical machinery and the supporter, we should let the electrical machinery V-belt pulley and the vibrator V-belt pulley middle line and level line reduction to 45°, the electrical machinery supporter plate and the electrical machinery supporter ledger wall becomes 15°~20°.

5.4 Elimination driver pickling oil, pours into the lubricating oil, the fuel head should pay attention to the oil gauge the scale division line.

5.5 After the installment and adjustment of the machine properly, go trial run, the empty trial run should achieve:

- (1) continuous working for 2 hours;
- (2) all fasteners should be reliable, not loose phenomenon;
- (3) all friction spot does not have the abrasion, falls the filings and the attrition phenomenon, the normal sound, the vibration is stables.

5.6 Load tests run besides meets the idling test run requirements, but also should satisfy the following request:

- (1) when the feeder feeds, we cannot make the material intense impact machine trough body, carry feeds in raw material and piles up with the feeding is not allowed, in order to avoid damage organism,



supporting spring and influence machine stably oscillation.

- (2) The max feed size is to be supposed to conform to the design stipulation.

6.The operation stipulation of the machine

6.1The preparations before start

- (1) Read the log, deals with a class of carry-over problems;
- (2) Inspect and clean up between organism and the chute, the spring and the support affects organism movement the sundry goods;
- (3) Be careful to inspect all fasteners do fasten or not completely;
- (4) Inspect in the vibrator the lubricating oil achieves the oil gauge scale division line the altitude or not;
- (5) Inspect the transmission belt to be good or not, when discover breakage we should replace, when the greasy dirt exists, clean it polish;
- (6) Inspect the protective equipment is good or not, remove the unsafety phenomenon promptly once you find it

6.2 Startings:

- (1) After the inspection, if the machine and the transmission partial is normal, then we may start
- (2) This machine can only should be started in non-loading condition;
- (3) Stop the machine immediately when found freak occurrence after starting the machine. Don't start the machine again after checking the cause and finishing settling of the problems.

6.3 Use:

- (1) Machine should be started in loading condition after machine is stably vibrating;
- (2) Feeding should conform to the requirement of load running test;
- (3) Power off engines according to the working order, and forbid powering off machine with material in machine or keeping feeding material after powering off engine.

7.Maintenance and safety techniques of the machine

7.1 It is an important measure to lengthen service life of the machine and guarantee the normal work by frequent maintenances and the overhaul.

- (1) This machine applies the thin oil splash lubrication, which should be adopted according to the place of use, the temperature condition, generally adopts the ep gear oil;
- (2) You should guarantee the oil level in the vibrator is not lower than that of scale division line of the oil gauge (to replenish through elbow piece mint of pipe connection), replaces the oil one time every 3-6 months, should clean the fuel tank, bearing roller conveyer and the gear surface with pure gasoline or

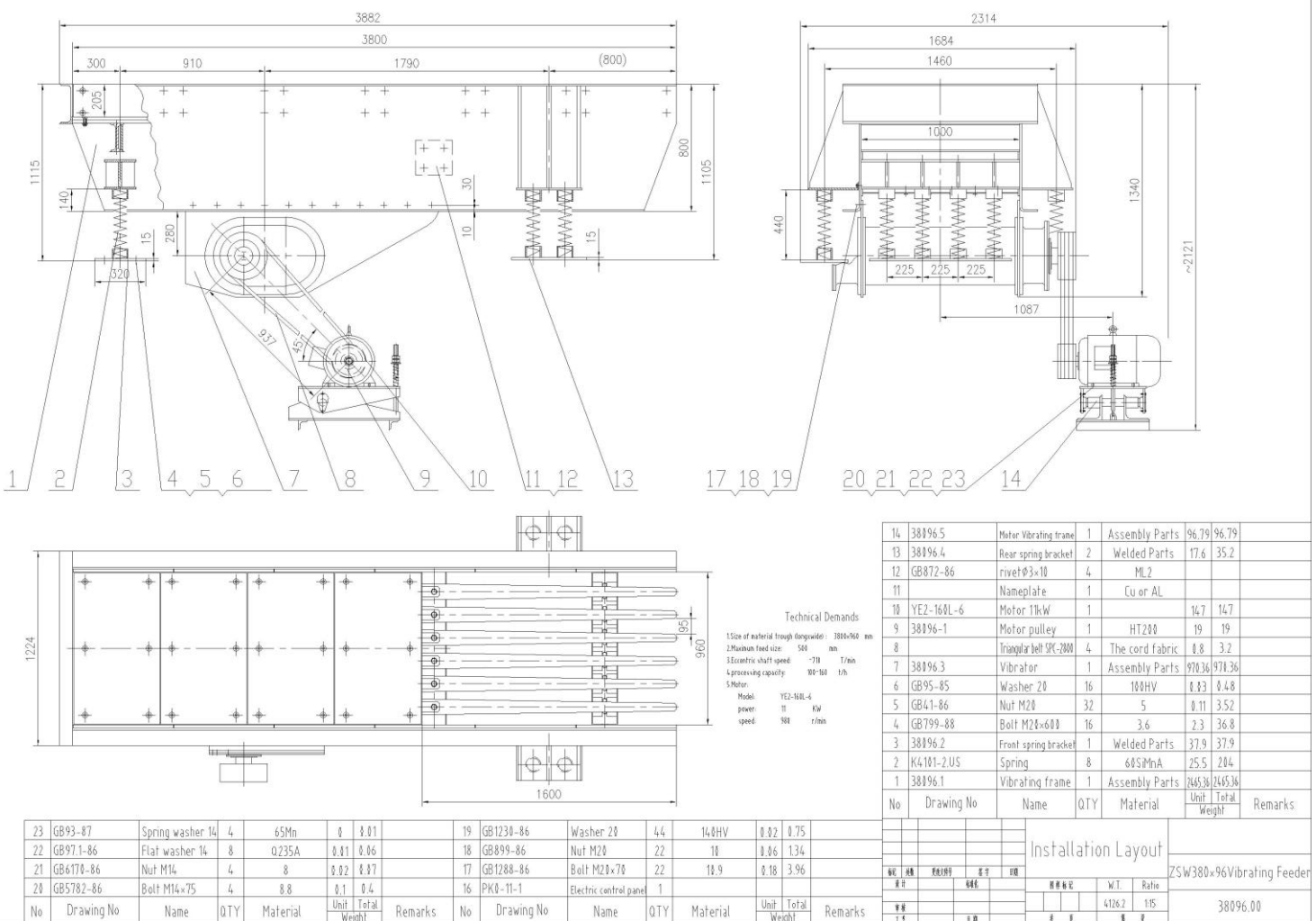


kerosene.

7.2 Safety techniques:

- (1) Operator of this machine must pass through the safety work education;
- (2) It is strictly forbidden of human standing at machine side, touching body of machine, adjusting machine, cleaning up machine or overhaul with the hand and so on when machine is in revolution;
- (3) The machine equipment should be connected to ground and you should insulate the electric wire reliably with snakeskin pipe. You should inspect the electrical machinery wiring frequently to check whether it wears or creeps.

8. ZSW-380x96 Installation Drawing:



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上海秦路实业有限公司
Shanghai KingLink Industry Co., Ltd.

地址:中国上海市浦东新区沈梅路 123 弄

Add: Lane 123, Shenmei Road, Pudong New District, Shanghai, China

电话(Tel): +86-21-20958317 邮编(P.C.): 201318

传真(Fax): +86-21-20959271 网址(Web): www.kinglink-china.com

邮箱(Email): info@kinglink-china.com