

VSI Crusher

VSI crushers are widely applied in expressway and railway building, hydropower station construction, bridge and tunnel building, concrete batching plant, etc for crushing and gravel shaping. They are highly recommended when it comes to the shaping of gravels used in concrete aggregates, whose concrete strength is above C 60 or which required to be freeze proof and leak proof. In the fine crushing section, VSI is the substitute of impact crusher, and it is much better in terms of main performance indexes.



Features:

1. Advanced double-pump oil lubrication system guarantee shaft bearing lower temperature increase, longer life time, more reliable operation.
2. Main shaft is equipped with imported precision rolling bearing. It makes main shaft work stable, lengthen maintenance cycle, increases productivity.
3. Hydraulic lifting mechanism of upper cover can move away the cover easily, which saves man power during maintenance.
4. Over-vibration device is equipped. There will be alarm when vibration surpasses a stipulated figure. It will stop the machine, in order to protect it.
5. Special dust-proof design for main shaft bearing fully avoid dust entering bearing lubrication part, which make sure the machine work normally.
6. Special feed opening structure makes it possible that center feeding and ring feeding comes together, in order to meet requirement of different stones. In addition, this equipment can not only crush stone, but also iron.
7. Shape of material-through device is better designed, which improve the utilization ratio.

Working Principle:

1. Center Feeding:

Raw material falls down into feed hopper, then enters impellor through central entrance hole. It is accelerated in high-speed impellor, then is thrown out at speed of 60-75m/s. When hitting impact plate, it is crushed. Final products come downwards through outlet.

2. Ring Feeding:

Raw material falls down into feed hopper, then through ring, it is divided into two parts by material-dividing plate. One enters into impellor through the center of material-dividing plate. The other falls down from outside of material-dividing plate. Material, which is thrown out by impellor at speed of 60-75m/s, hits material coming down from outside of material-dividing plate. In this way, material is crushed.

Technical Data:

Model		VSI7611	VSI8518	VSI9526	VSI1140
Capacity(t/h)	Feed both at center and at sides	120-180	200-260	300-380	450-520
	Feed at center	60-90	100-130	150-190	225-260
Max feed size (mm)	Soft material	<35	<40	<45	<50
	Hard material	<30	<35	<40	<45
Rotation speed (r/min)		1700-1890	1520-1690	1360-1510	1180-1310
Power(KW)		110-150	180-220	264-320	400-440
Overall dimension L*W*H (mm)		3700*2150*2100	4140*2280*2425	4560*2447*2778	5000*2700*3300
Weight(t)		7.8	10.3	16	25.6
Power supply		380V, 50HZ			
Vibrating sensor		detect range: 0.1-20mm/s continuous and adjustable			
Lubrication and hydraulic station	power	2*0.31KW			
	Safety assurance	Double oil pumps assure enough oil supply; automatic switch off with no oil stream or hydraulic strength; lower the temperature with cool water in summer; raise the temperature with motor in winter.			
	Overall dimension L*W*H (mm)	-	820*520*1270	820*520*1270	-
	Power of oil tank heater	2KW			

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

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