

## 5X Sand Making Machine

### Application:

5X series of Vertical Shaft Impact Crusher is widely used in various metallic and nonmetallic ores, cement, corhart, abrasive material, glass, construction material, machine-made sand, metallurgy, etc. It is also applicable to crush various stones with different hardness in medium and fine crushing area, such as iron ore, non ferrous metal, emery, bauxite, quartz sand, basalt, etc.



### Features:

5X series of Vertical shaft Impact Crusher introduces German technology. 5X with many patents is key equipment in sand making area. 5X is a kind of totally new high efficient crusher. It has the following features:

1. Rotor with deep chamber increases 30% capacity after perfect design.
2. Side plate direction can be changed to increase material utility ratio, operating ratio can be increased 48%.
3. Worn hammer with combined type is only changed to reduce operating cost 30%. Another pair of vice hammer is added to prevent from damaging main hammer and side plate.
4. The most key wear resistant material uses wear resistant and high temperature resistant material in American important area.
5. Rhombus shape impact plate is used to prevent side plate from being damaged.
6. Bearing is famous international brand imported from Japan, Sweden, America, etc.

7. Perfect discharge and smooth curve reduce resisting force when material flows, so capacity is increased greatly.

8. Spread dish with double purposes can make two feeding ways change easily.

9. Special seal structure under main shaft guarantee no oil leak without seal.

10. Japanese hydraulic opening cover device is originally imported. The cover is moved easily and inspection of inner part is easy.

11. Motor with high grade of protection is selected. The motor has features of high efficiency, low noise, etc. The motor complies with IEC, insulation grade F, protection grade IP54/55.

### Technical parameters:

#### 1. Main technical parameters:

model		5X7615	5X8522	5X9532	5X1145
Throughput capacity (t/h)	Center and Ring feeding	150~280	240~380	350~540	500~640
	Center feeding	70~140	120~200	180~280	250~360
Max. Feed Size (mm)	Soft material	<35	<40	<45	<50
	Hard material	<30	<35	<40	<45
Rotation speed (r/min)		1700~1900	1500~1700	1300~1510	1100~1310
Power of double motor (KW)		110~150	180~220	260~320	400~440
Overall dimension L x W x H (mm)		4100×2330×2300	4140×2500×2700	4560×2600×2900	5000×2790×3320
Weight (t)		8.6	11.8	17.5	27.5
Power source		380v, 50Hz			
Thin oil lubrication station	Power for double oil pump	2 x 0.31 KW			
	Safety	To make sure the supply of oil with double oil pump, working without oil, temperature when water cools, start the motor by heating it in winter.			
	Power for oil box	2 KW			

	heater	
	Overall dimension	820 x 520 x 1270
	L x W x H (mm)	

Note: Capacity depends on crushing limestone, material size, moisture and features also affect capacity.

2. Lubricating system parameter:

Oil box volume (L)	240
Rated pressure (MPa)	0.63
Flow capacity (L/min)	8
Power (KW)	0.31
Cooling water consumption (m <sup>3</sup> /h)	≥1.2
Electrical heating voltage (V)	220
Medium	Bearing oil 32—46#

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