BARODA IRON & ENGINEERING Co. Pvt. Ltd

Innovative Technology for Crushing

BIEPL

Vertical Shaft Impactor

Application

Baroda Iron Vertical Shaft Impact Crusher is an excellent choice especially when output and productivity demands are stringent. In quarry, mineral, mining and aggregate sectors, Baroda Iron VSI impact crusher is used for Production of high-quality sand and shaped aggregate. Due to greater versatility of this equipment, it is well established in the application areas such as rolled compressed concrete (RCC) for dam construction, mineral/ industrial crushing plants (glass, slag etc.) crushing extremely abrasive high value materials.

Typical application includes Quartz, Clinker, Granite/Basalt, Limestone, Blast furnace slag and Bauxite

Operating Principle

The material is fed through multi flow gates in the center of rotor of the crushing chamber. Due to centrifugal force, feed material gets distributed into chamber through channels and attains same velocity as rotor.

The crusher operates by accelerating the material to be crushed through a high-speed rotating rotor, into a crushing chamber lined with the same material. This phenomenon gives the rock on rock (autogenously) crushing action.

Where a product size is required below feed size, this crusher is generally operated in the closed circuit, with a Vibrating Screen of appropriate size and adequate capacity. However, the crusher can also be operated in the open circuit. In both the cases a screen is required for final segregation of required sized product. Gradation of the product is varied by controlling the rotor RPM and/ or the quality (percentage) of multi- flow used.

Technical Data Sheet

Models	Max. Power (KW)	Rotor RPM	Through Put Capacity (TPH)	Output Capacity (TPH)		Max. Feed Size (mm)
				Below 2mm	Below 4mm	
BIV – 35	55	1300 – 2000	40	8-12	15-20	33
BIV – 55	75	1100 – 1600	70	12-16	20-25	35
BIV – 80	90	1100 – 1600	90	16-24	23-30	35
BIV – 110	160	860 – 1250	130	25-30	35-40	40
BIV – 160	200	860 – 1250	160	30-40	50-70	40
BIV – 220	250	560 – 1000	220	50-70	70-90	50
BIV – 330	300	560 – 1000	280	70-90	110-130	50

Note:

Baroda Iron & Engineering Co. Pvt. Ltd. reserves the right to make changes to the information on this data sheet without prior notification to users.

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