

Atlas Copco Powercrusher PC 1



Impact crusher

Capacity* – Up to 220 t/h

Sustainable Productivity

Atlas Copco

Features and technical information for PC 1

For further information, please contact your local Atlas Copco Customer Center.

The Atlas Copco Powercrusher impact crushers are robustly constructed to stand up to the toughest conditions and have huge output capacities. Years of valuable customer input have allowed for the optimization of these impact units. The geometry of the Atlas Copco units means that the rotor /swing beam positioning produces first class end products. The unit can be equipped with a main conveyor mounted screen box. Large GRP covers allow for ease of access for service and maintenance. The PC 1 gives you:

- The ability of these impactors to be used truly as primary units
- Minimal percentage of oversized material
- High reduction ratios and throughputs
- Elimination of up to two crushing stages in certain applications
- Excellent transport dimensions for optimized mobility
- Ability of producing two sellable products by using the screen box or running in closed circuit



Technical data

Crusher box	
Inlet opening	1 070 x 750 mm
Rotor width	1 010 mm
Rotor diameter	1 010 mm
Rotor revolution	840 (max. rpm)

Feedhopper	
Charging volume	approximately 3.1 m ³
Charging length	3 220 mm
Charging width	2 240 mm
Charging height	3 150 mm

Vibrating chute with pre-screening	
Length	3 270 mm
Width	980 mm

Main conveyor belt	
Belt width	1 000 mm
Discharge height	2 700 mm

Side conveyor belt	
Belt width	650 mm
Discharge height	2 360 mm

Crawler unit	
Track chain width	400 mm

Permanent magnetic separator	
Belt width	750 mm

***Capacity** - Crusher production depends on gap settings, material, infeed size and feed rate.

Quick facts

Unit type	Impact crusher
Inlet opening	1 070 x 750 mm
Total weight	36 000 kg
Transport dimensions	(L) 12 000 x (W) 2 500 x (H) 3 200
Crushing capacity	Up to 220 t/h
Engine power	242 kW (325 HP)

