

Atlas Copco Powercrusher PC 6



Jaw crusher

Capacity* – Up to 350 t/h (385 ust/h)

Sustainable Productivity

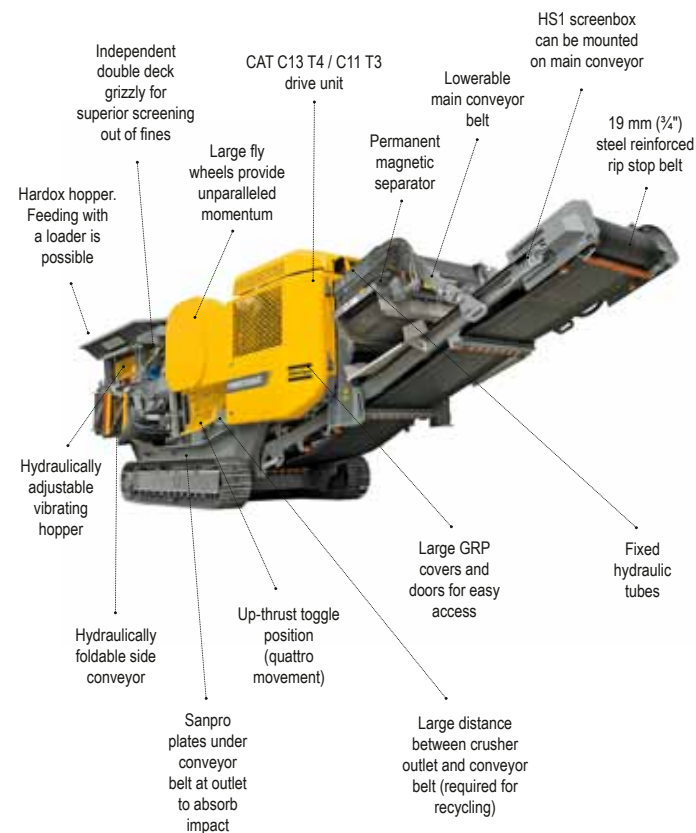
Atlas Copco

Features and technical information for PC 6

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

The Atlas Copco Powercrusher jaw crushers have been designed to operate in the most rugged environments - and incorporate the unique "Quattro Movement". This "Quattro Movement" is made possible by an up-thrust toggle plate position. This causes a figure 8 motion in the moving jaw, which increases the feeding capacity and also produces a post-crush at the crusher outlet. The double deck independent grizzly section operates separately from the hopper and offers excellent efficiency when screening out fines prior to material entering the crushing chamber. 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 6 gives you:

- Less blockages
- More consistent wearing over the entire jaw faces
- High percentage of less flaky material
- Higher capacity
- Excellent quality of end product due to the efficiency of the fines removal
- Ability of producing two sellable products by using the screen box



Technical data

| | | |
|---|------------------|--------------------|
| Crusher box | | |
| Inlet opening | 1 300 x 800 mm | 51" x 31" |
| Gap width | 70 - 135 mm | 2.5" - 5" |
| Jaw Flywheel | 1 500 mm | 59" |
| Crusher revolution, max. | 270 rpm | 270 rpm |
| Feedhopper | | |
| Charging volume, approx. | 9 m ³ | 11.8y ³ |
| Charging length | 4 120 mm | 13' 6" |
| Charging width | 2 800 mm | 9' 2" |
| Charging height (with walls) | 4 200 mm | 13' 9" |
| Vibrating chute with pre-screening | | |
| Length | 4 677 mm | 15' 4" |
| Width | 1 162 mm | 46" |
| Main conveyor belt | | |
| Belt width | 1 200 mm | 48" |
| Discharge height | 3 323 mm | 10' 10" |
| Side conveyor belt | | |
| Belt width | 800 mm | 31" |
| Discharge height | 2 954 mm | 9' 8" |
| Crawler unit | | |
| Track chain width | 500 mm | 20" |
| Permanent magnetic separator | | |
| Belt width | 750 mm | 29" |

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

Quick facts

| | | |
|--|---------------------------|---------------------------|
| Unit type | Jaw crusher | |
| Inlet opening | 1 300 x 800 mm | 51" x 31" |
| Total weight | 55 000 kg | 121 250 lbs |
| Transport dimensions (L x W x H) | 14 510 x 3 000 x 3 960 mm | 47' 7" x 9' 10" x 12' 11" |
| Crushing capacity | Up to 350 t/h | 385 ust/h |
| Engine power | 287 kW | 385 HP |